12-1-1988

Washington University Record, December 1, 1988

Follow this and additional works at: https://digitalcommons.wustl.edu/record

Recommended Citation

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact vanam@wustl.edu.
**Training tots**

Simple strategies to help babies (and parents) sleep through the night

For most new parents, nothing seems so elusive—or so desperately needed—as a good night's sleep. But how to convince a wakeful young baby to cooperate? The answer, according to a recent study at Washington University, is a sensible system of encouragement.

Doctoral research by Amy R. Wolfson, Ph.D., has demonstrated that training new parents in simple behavioral strategies can have a dramatic impact on their baby's sleep patterns and on their own emotional health. These findings were presented last month at the annual meeting of the Association for the Advancement of Behavior Therapy in New York City.

Wolfson's study, called The Effects of Parent Training on the Development of Infant Sleeping Patterns, emphasized a preventive approach. She trained small groups of five-time parents in four pre- and post-natal sessions. Then she compared the experiences of these parents with those of untreated counterparts, first when their babies were six to nine weeks old, and again at four to five months.

The strategies she suggested were aimed at persuading babies to become "independent sleepers," says Patricia E. Lacks, Ph.D., Wolfson's graduate adviser and a sleep specialist. "You want babies to learn to put themselves to sleep and, if they wake up in the night, to get themselves back to sleep." But the training also had a subtler purpose: to instill more confidence in anxious new parents. If they were educated about infant sleep patterns, reasoned Wolfson and Lacks, these parents should feel more in control of their baby's sleep schedule. Parents should wake up less often, for example, and respond less often to the child's whisping.

The results showed vividly that parent training achieved both goals. At the six-to-nine-week check, infants in the training group had begun sleeping through the night much sooner than those in the untreated group. At four to five months, their sleep remained better. And their parents reported feeling more competent and less stressed in handling their babies' sleep schedules. Like many new parents, however, both groups also reported decreased marital satisfaction during their transition to parenthood.

"Clearly, preventive parent training has a powerful influence on the maturation of infant sleeping patterns," says Wolfson, who is now a post-doctoral research associate in the psychology department at Stanford University.

To begin the study, Wolfson recruited 50 couples from LaMaze childbirth classes at St. Mary's Health Center in St. Louis. They were a homogeneous group: mostly middle-class, college-educated, working, and all married, 21 to 46 years old, and first-time parents. She randomly assigned 29 to the training group and 31 to the control group.

The trainees met for two prenatal sessions in which they received training and completed questionnaires. Two postnatal sessions followed.

**Gerald Early receives second national writing award within two weeks**

Gerald L. Early, Ph.D., assistant professor of English and African and Afro-American studies, has been given a $5,000 General Electric Foundation Award for Young Writers. He received the award for two essays that were published in Cotonwood, the literary journal of the University of Kansas.

The General Electric award marked the second time in less than two weeks that Early had received a national writing award. On Oct. 17, he was awarded the $25,000 Whiting Writer's Award from the New York-based Mrs. Giles Whiting Foundation. The Whiting award recognizes writing potential and literary achievement, both the Whiting and General Electric awards are given unconditionally.

Early will receive the General Electric Award in a ceremony on Dec. 5 at the Pierpont Morgan Library in New York. At the ceremony, he will read a 10-minute excerpt from "Review Essay of Good Morning Blues. The Autobiography of Count Basie," one of his winning essays. The other winning essay is titled "Some Notes Toward the Genealogy of Afro-American Life: A Conversation with Audrey Jones." Jones is a former dancer and singer who lives in Lawrence, Kansas.

Early is one of six writers from across the country to receive a General Electric award, which is given annually to emerging writers. Early's winning essays explore the cultural history of jazz, and sports literature. He has lectured on these topics and has published many essays, reviews and poems.

"In October 1989, Ecco Press in New York will publish Early's collection of essays titled "Tuxedo Junction: Essays Towards a Cultural Definition of America." In 1990, Ecco will publish his book "Black Writing: Celebrating 125 Years of Afro-American Writers, the social and cultural history of jazz, and sports literature. He has lectured on these topics and has published many essays, reviews and poems.

"Gerald Early is one of the nation's most promising young writers," said Macias. "His work has been widely praised by critics and readers alike. He is a gifted writer and a valuable addition to the literary scene. I look forward to the input and feedback he will bring to the admissions office."
Holiday concerts abound

The Department of Music will help ring in the holiday season with three free concerts.

In the first concert, the Washington University Collegium Musicum will perform at 8 p.m. Saturday, Dec. 3, in Graham Chapel.

The Glassboro Choir of New Jersey will perform the entire first part of the Martin Luther Christmas Cantata, with the Washington University Wind Ensemble joining in the second half. The performance will feature the clean lines of Renaissance and Baroque forms.

The choir also will sing motets from the 16th and 17th centuries. The motet, a combination of independent voices, melodies and rhythms, arose in the 13th century. The motet later gained a prominent religious role in its Renaissance and Baroque forms.

The choir also will provide an opportunity for the audience to experience the excitement of a Renaissance motet in the context of a modern performance of these beautiful works.

More study is needed, she adds, to convince "settling-ready" babies to sleep through the night.

"For most parents, it's just not that easy," Wolfson said. "There are a lot of things that go wrong with the baby's feeding, stretching the time between the baby's feeds, and waiting to go to a fussing baby."

The two-postnatal sessions reinforced the techniques that Wolfson gave parents a chance to discuss problems. While control groups did not receive any training, they completed the same questionnaires and diaries that the trainees did.

The second prenatal session, she focused on infant behavior during the early weeks and on steps parents can take to help prepare their infant son or daughter for sleeping through the night:

- Don't hold, rock, or nurse the baby to sleep.
- Don't allow him or her to fall asleep in your own bed.
- Put the baby to sleep in its own bed.
- Establish one late-night "focal feeding" period.
- Teach the baby the difference between nap periods and play with it often.
- Don't train the baby to "self-soothe," and get back to sleep on its own.
- Security at the clinic to doze off, and allow it to fall asleep on its own.
- Continue. Don't stimulate the baby just before bedtime and don't turn on its light at night.
- Don't wait.
- Don't train the baby to "self-soothe," and get back to sleep on its own.
- The second prenatal session, she focused on infant behavior during the early weeks and on steps parents can take to help prepare their infant son or daughter for sleeping through the night:

- Establish one late-night "focal feeding" period.
- Teach the baby the difference between nap periods and play with it often.
- Don't train the baby to "self-soothe," and get back to sleep on its own.
- Security at the clinic to doze off, and allow it to fall asleep on its own.
- Continue. Don't stimulate the baby just before bedtime and don't turn on its light at night.
- Don't wait.
- Don't train the baby to "self-soothe," and get back to sleep on its own.

The evening's program will include "Gloria" from "The Masque of Angels" by Arcangelo Corelli, "Peaceful Was the Night," by Eugene Butler, "Freute Euch Ungestraft," by contestant for the Missouri choir director for outstanding performance. The concert marks her debut as director of the Mixed Choir.

The program will feature "The Christmas Story," a work by German composer Franz Joseph Haydn. The story of Joseph of Nazareth's birth is retold in this 30-minute-long oratorio. A live nativity scene will be added for a visual presentation of the story. The concert will also provide an opportunity for the audience to experience the excitement of a Renaissance motet in the context of a modern performance of these beautiful works.

The choir also will provide an opportunity for the audience to experience the excitement of a Renaissance motet in the context of a modern performance of these beautiful works.

Lori Nishikawa (C) is the university's first female athlete to be named Player of the Year for Division III.

Player of the year

Lori Nishikawa earns highest honor

Junior Lori Nishikawa has been selected by the American Volleyball Coaches Association (AVCA) and Can-Am as the 1988 Player of the Year for Division III.

The selection marked the first time that a Washington University athlete from any sport has been honored as the premiere player in the nation.

Nishikawa, a 5-foot-2 setter from Lawrence, Kan., earned volleyball's equivalent to the Heisman Trophy for the premiere player in the nation. She is the first female to win this award.

Among her accomplishments this year were a team-high 1,153 assists, 366 digs and 77 service aces. Nishikawa ranks first on the Bears' career charts with 3,116 assists and 213 aces, and second with 999 digs.

Lori is the finest defensive player and setter I've seen at this level," said Bear head coach Teri Clemens, whose teams with Nishikawa in the lineup have gone 127-20. "She's an incredible player: I believe she is one of the finest players I've seen at any level."
Garland E. Allen, Ph.D., professor of biology, has been awarded a three-year term on the Committee on Fellowships for Fullbright Travel and Lecture Grants in the History of Science.

Merton C. Bernstein, LL.B., Walter D. Goles Professor of Law, has been invited to serve as the letter to the editor that appeared in the Oct. 17 New Times. The letter de- fended the Fullbright program's administrative policy. Since 1947 the CIES has aided in the exchange of more than 25,000 American scholars and 26,000 visiting scholars.

Nicholas T. Kouchouskouos, M.D., John M. Shoenberg Professor of Obstetrical and Gynaecologi- cal Surgery and surgeon-in-chief of Jewish Hospital at the Washington University School of Medicine, featured a speaker at the annual meeting of the Argentine Society of Cardiology on Oct. 10-12 in Buenos Aires, Argen- tina. His lectures included "Surgical Treatment of Aortic Dissection," "Cerebral Monitoring During Hypothermic Circulatory Arrest," and "Hypothermic Circulatory Arrest for Re- section of Aortic Arch Aneurysm." He was a guest of the 10th International Seminar of the Cyprus Society of Cardiology on Oct. 29 and 30 in Nicosia, Cyprus. His presentations included "Coronary Artery Surgery in the Angioplasty Era" and "Surgical Considerations in Ischemic Heart Failure." His work in progress concerning whether to give a faculty seminar next semester at the Washington University School. The seminar is based on a Krauss' article "Death Qualification of the Argentine Society of Cardiology, Krauss' article "Death Qualification of the American Literary Translators Associa- tion" at the City University of New York Graduate Center. A paper she wrote on "The Closed: Poetics of Translation in Suzanne Wilson, a doctoral candidate in comparative literature, delivered a paper titled "What to Do When Your Text Is Open and Your Translation Is Closed: Language Determination in 'lecriture feministe,'" at the 11th Annual American Literary Translators Associa- tion at the City University of New York Graduate Center. A paper she wrote has been accepted for presentation at the 23rd International Conference on Medieval Studies in Kalamazoo, Mich.

Robert Wiltschen, Ph.D., assistant professor of Germanic languages and literatures, delivered a paper titled "What to Do When Your Text Is Open and Your Translation Is Closed: Language Determination in 'lecriture feministe,'" at the 11th Annual American Literary Translators Associa- tion at the City University of New York Graduate Center. A paper she wrote has been accepted for presentation at the 23rd International Conference on Medieval Studies in Kalamazoo, Mich.

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

To commemorate the 100th birth of Robert H. “Bob” Ellot, Washington University hosted scholars from around the globe at a conference dedicated to the life and work of Ellot. The conference was held at the University Club of St. Louis. The conference was held at the University Club of St. Louis.

The competitive wind in the beer business is blowing out of the Va-J-T-10 East, says an article about Japanese "dry" beer that appeared in the Sept. 12 issue of Adweek. Robert S. Weinh- berg, Ph.D., professor of marketing, says in the article that dry beer "is a wild idea." And about Anheuser-Busch Brewery's plan to produce an Ameri- can version, he says, "It's exciting that Anheuser-Busch is showing a willing- ness to be more adventurous." Another article quoting Weinberg about dry beer appeared in the Aug. 31 Seattle Times.

Altitude sickness (including head- aches, nausea and sometimes black- outs at very high elevations) is a problem for climbers. Among the theories that scientists have put forth to explain altitude sickness is the idea that drinking alcohol helps to reduce the effects of altitude sickness. The idea has been tested in several studies, and results have been mixed. Some studies have shown that alcohol consumption can help to reduce the effects of altitude sickness, while others have not. The cause of altitude sickness is still not fully understood, and more research is needed to determine the factors that contribute to its development.
American athletes lured into use of anabolic steroids because they believed they might have another method — completely legal and non-chemical — to increase their muscle strength. A physical therapist at the School of Medicine has perfected a technique that he calls neurostimulation, or NMES, for short.

NMES may revolutionize the way American athletes treat injuries. It has already been used for a variety of purposes, from releasing the pain of a herniated disc to speeding the recovery of knee surgery patients. But Washington University physical therapist Anthony Delitto is the first U.S. researcher to obtain substantial results by using NMES on a highly trained athlete.

Delitto, 38, was only a third-string quarterback at Miami University before he began to work on NMES while he was a graduate student. Delitto periodically treated the thigh muscles of Olympic weightlifter Derek Crass with complex electrical waves of high voltages.
Multi-school effort to recruit internal medicine physician-scientists

Four leading U.S. medical schools have combined forces to create a program for the education of physician-scientists in internal medicine.

In a joint effort to develop a new structure for training medical students to pursue academic careers in internal medicine, the departments of internal medicine at Duke University, Johns Hopkins University, the University of Pennsylvania and Washington University in St. Louis are creating fully funded programs to provide comprehensive residency and fellowship training focusing on medical research.

The program was founded on the need for physician-scientists to become a reality. "We need physician-scientists to develop the pioneering edge," said Laurence E. Earley, M.D., Francis C. Wood Professor and chairman of the Department of Medicine at Johns Hopkins University.

"At the moment, not many doctors have the opportunity to create a complete program, from medical school through a clinical residency and research fellowship in internal medicine without appreciable interruption. It's designed to allow them to concentrate on becoming productive medical scientists, learning from and working alongside the leading medical research specialists in a multitude of fields," Burg said.

"This program saves them that hassle and gives them the opportunity to create a complete program, from medical school through a clinical residency and research fellowship in internal medicine without appreciable interruption. It's designed to allow them to concentrate on becoming productive medical scientists, learning from and working alongside the leading medical research specialists in a multitude of fields," Burg said.

"Under the present system, there are a series of discontinuities that, basically, require medical students to use up their senior year just deciding where they're going to do their residency," said Fredric Burg, M.D., associate dean for academic programs in the School of Medicine.

"During their senior year, students have to start looking for a residency. They're going to have to interview at several schools, spend time in those hospitals and before you know it, their senior year is used up just positioning themselves for a residency. And then they have to do it again, or again to locate a fellowship," said Burg.

"This program helps them that hassle and gives them the opportunity to create a complete program, from medical school through a clinical residency and research fellowship in internal medicine without appreciable interruption. It's designed to allow them to concentrate on becoming productive medical scientists, learning from and working alongside the leading medical research specialists in a multitude of fields," Burg said.

Pumping up muscle

"Continued from p. 4

"The only way we can improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

51.2 million awarded

Colon cancer research receives NIH support

Researchers at Jewish Hospital at Washington University Medical Center have been awarded a $1,226,985 research grant to further their study of monoclonal antibodies directed against human colon cancer.

The National Institutes of Health grant was awarded to Judith M. Comeret, Ph.D., research assistant professor of surgery, and Gordon W. Philpott, M.D., Harry Edison Professor of surgery and associate director of surgery at Jewish Hospital. Connett has developed antibodies that bind strongly to colon cancer cells and weakly, or not at all, to normal colon tissue. This characteristic makes the antibodies useful reagents for the imaging and possible therapy of colon cancer.

The grant supports ongoing research in the characterization study of the colon cancer antigen to which the antibodies bind. Connett and Philpott, along with Michael J. Welch, Ph.D., professor of radiology, and Carla J. Mathias, research assistant in radiology, both at Mallinckrodt Institute of Radiology at the School of Medicine, continue studies to identify the best imaging reagent for tumor detection. These imaging reagents must be attached to the antibodies to make the antibodies observable, without altering the antibody's ability to recognize and bind to tumor cells.

A major goal of these studies is to improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized.

Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

"The only way we can improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

51.2 million awarded

Colon cancer research receives NIH support

Researchers at Jewish Hospital at Washington University Medical Center have been awarded a $1,226,985 research grant to further their study of monoclonal antibodies directed against human colon cancer.

The National Institutes of Health grant was awarded to Judith M. Comeret, Ph.D., research assistant professor of surgery, and Gordon W. Philpott, M.D., Harry Edison Professor of surgery and associate director of surgery at Jewish Hospital. Connett has developed antibodies that bind strongly to colon cancer cells and weakly, or not at all, to normal colon tissue. This characteristic makes the antibodies useful reagents for the imaging and possible therapy of colon cancer.

The grant supports ongoing research in the characterization study of the colon cancer antigen to which the antibodies bind. Connett and Philpott, along with Michael J. Welch, Ph.D., professor of radiology, and Carla J. Mathias, research assistant in radiology, both at Mallinckrodt Institute of Radiology at the School of Medicine, continue studies to identify the best imaging reagent for tumor detection. These imaging reagents must be attached to the antibodies to make the antibodies observable, without altering the antibody's ability to recognize and bind to tumor cells.

A major goal of these studies is to improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

"The only way we can improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

51.2 million awarded

Colon cancer research receives NIH support

Researchers at Jewish Hospital at Washington University Medical Center have been awarded a $1,226,985 research grant to further their study of monoclonal antibodies directed against human colon cancer.

The National Institutes of Health grant was awarded to Judith M. Comeret, Ph.D., research assistant professor of surgery, and Gordon W. Philpott, M.D., Harry Edison Professor of surgery and associate director of surgery at Jewish Hospital. Connett has developed antibodies that bind strongly to colon cancer cells and weakly, or not at all, to normal colon tissue. This characteristic makes the antibodies useful reagents for the imaging and possible therapy of colon cancer.

The grant supports ongoing research in the characterization study of the colon cancer antigen to which the antibodies bind. Connett and Philpott, along with Michael J. Welch, Ph.D., professor of radiology, and Carla J. Mathias, research assistant in radiology, both at Mallinckrodt Institute of Radiology at the School of Medicine, continue studies to identify the best imaging reagent for tumor detection. These imaging reagents must be attached to the antibodies to make the antibodies observable, without altering the antibody's ability to recognize and bind to tumor cells.

A major goal of these studies is to improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

"The only way we can improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

51.2 million awarded

Colon cancer research receives NIH support

Researchers at Jewish Hospital at Washington University Medical Center have been awarded a $1,226,985 research grant to further their study of monoclonal antibodies directed against human colon cancer.

The National Institutes of Health grant was awarded to Judith M. Comeret, Ph.D., research assistant professor of surgery, and Gordon W. Philpott, M.D., Harry Edison Professor of surgery and associate director of surgery at Jewish Hospital. Connett has developed antibodies that bind strongly to colon cancer cells and weakly, or not at all, to normal colon tissue. This characteristic makes the antibodies useful reagents for the imaging and possible therapy of colon cancer.

The grant supports ongoing research in the characterization study of the colon cancer antigen to which the antibodies bind. Connett and Philpott, along with Michael J. Welch, Ph.D., professor of radiology, and Carla J. Mathias, research assistant in radiology, both at Mallinckrodt Institute of Radiology at the School of Medicine, continue studies to identify the best imaging reagent for tumor detection. These imaging reagents must be attached to the antibodies to make the antibodies observable, without altering the antibody's ability to recognize and bind to tumor cells.

A major goal of these studies is to improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

"The only way we can improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

51.2 million awarded

Colon cancer research receives NIH support

Researchers at Jewish Hospital at Washington University Medical Center have been awarded a $1,226,985 research grant to further their study of monoclonal antibodies directed against human colon cancer.

The National Institutes of Health grant was awarded to Judith M. Comeret, Ph.D., research assistant professor of surgery, and Gordon W. Philpott, M.D., Harry Edison Professor of surgery and associate director of surgery at Jewish Hospital. Connett has developed antibodies that bind strongly to colon cancer cells and weakly, or not at all, to normal colon tissue. This characteristic makes the antibodies useful reagents for the imaging and possible therapy of colon cancer.

The grant supports ongoing research in the characterization study of the colon cancer antigen to which the antibodies bind. Connett and Philpott, along with Michael J. Welch, Ph.D., professor of radiology, and Carla J. Mathias, research assistant in radiology, both at Mallinckrodt Institute of Radiology at the School of Medicine, continue studies to identify the best imaging reagent for tumor detection. These imaging reagents must be attached to the antibodies to make the antibodies observable, without altering the antibody's ability to recognize and bind to tumor cells.

A major goal of these studies is to improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.

"The only way we can improve the ability to detect small, metastatic lesions. Tumors which have gone unnoticed in the past may now be visualized. Once the most promising imaging antibody reagent is identified, Connett says, clinical studies in colorectal cancer patients will begin. These studies will be performed in conjunction with Barry A. Siegel, M.D., professor of medicine and radiology and director of nuclear medicine at Mallinckrodt.
Needleman receives heart association's highest honor

Philip Needleman, Ph.D., Alumni Professor and head of the Department of Pharmacology at the School of Medicine, has been selected as a co-recipient of the 1988 Research Achievement Award of the American Heart Association.

The award, the highest honor given by the association, was presented to Needleman Nov. 14 in Washington, D.C.

Needleman was honored in recognition of his original and important contributions to the elucidation and understanding of atrial natriuretic factor, a factor in the blood that regulates salt and fluid balances in the body. Its discovery was the culmina-

tion of a search that had gone on for several decades in the scientific community.

The identification of atrial natriuretic factor was a result of Needleman's research on atriopeptins, chemicals produced in the heart that dramatically affect the kidneys and the body's internal fluid environment.

Needleman's research team isolated and established the molecular structure of atriopeptins in 1983. He is also an authority on prostaglandins, hormone-like sub-
stances that affect many of the body's regulatory systems. He has made specific contributions to the relationship between prostaglandins and clinical aspects that affect many of the body's regulatory systems.

Fannie May Candies supports microbiology

The Coleman/Fannie May Candies Foundation of Chicago has donated $7,500 to the Department of Microbiology and Immunology at the School of Medicine.

The gift was used to support a departmental conference at which faculty, postdoctoral fellows and students met to present their latest research. According to Milton Schlesin-
ger, Ph.D., Department Chairman and past winner of two previous conferences for the microbi-
ology and immunology department.

The foundation presented its $25,000 gift to the university in 1986 as part of the ALLIANCE FOR WASHINGTON UNIVERSITY and has contributed over $22 million to the medical center.

Finnian May Candies microbiology

Three sessions of talks reviewed recent discoveries in bacterial pathogenesis, bacterial and viral vaccines, and current research on AIDS.

An evening discussion on ethics in science was led by Joseph Davis, M.D., Ph.D., past chairman of the department and now vice president for research at G.D. Searle & Co.

The Coleman/Fannie May Candies Foundation presented its fifth and final gift for two previous conferences for the microbi-
ology and immunology department.

The foundation presented its $25,000 gift to the university in 1986 as part of the ALLIANCE FOR WASHINGTON UNIVERSITY and has contributed over $22 million to the medical center.

Finnian May Candies microbiology

The Coleman/Fannie May Candies Foundation of Chicago has donated $7,500 to the Department of Microbiology and Immunology at the School of Medicine.

The gift was used to support a departmental conference at which faculty, postdoctoral fellows and students met to present their latest research. According to Milton Schlesin-
ger, Ph.D., Department Chairman and past winner of two previous conferences for the microbi-
ology and immunology department.

The foundation presented its $25,000 gift to the university in 1986 as part of the ALLIANCE FOR WASHINGTON UNIVERSITY and has contributed over $22 million to the medical center.

Finnian May Candies microbiology

Three sessions of talks reviewed recent discoveries in bacterial pathogenesis, bacterial and viral vaccines, and current research on AIDS.

An evening discussion on ethics in science was led by Joseph Davis, M.D., Ph.D., past chairman of the department and now vice president for research at G.D. Searle & Co.

The Coleman/Fannie May Candies Foundation presented its fifth and final gift for two previous conferences for the microbi-
ology and immunology department.

The foundation presented its $25,000 gift to the university in 1986 as part of the ALLIANCE FOR WASHINGTON UNIVERSITY and has contributed over $22 million to the medical center.

Finnian May Candies microbiology

Three sessions of talks reviewed recent discoveries in bacterial pathogenesis, bacterial and viral vaccines, and current research on AIDS.

An evening discussion on ethics in science was led by Joseph Davis, M.D., Ph.D., past chairman of the department and now vice president for research at G.D. Searle & Co.

The Coleman/Fannie May Candies Foundation presented its fifth and final gift for two previous conferences for the microbi-
ology and immunology department.

The foundation presented its $25,000 gift to the university in 1986 as part of the ALLIANCE FOR WASHINGTON UNIVERSITY and has contributed over $22 million to the medical center.
When employees know that recourse is available, the commission adds, "they cannot reasonably believe that a harassing work environment is authorized or condoned by an employer."

An internal personnel policy will not, however, insulate an employer from "quid pro quo" harassment. EEOC stresses, because an employer is always liable for "any supervisory actions that affect the victim's employment status, such as hiring, firing, promotion or discipline." In taking action against sexual harassment, EEOC encourages employees to:

- Initiate discussions on the subject with all supervisory and non-supervisory employees, explaining sanctions for harassment.
- Have a procedure for resolving sexual harassment complaints that is designed to encourage victims of harassment to come forward, without requiring that a victim complain first to the employer.
- Ensure confidentiality as much as possible and provide direct measures remedies, including protection of victims and witnesses against retaliation.

Washington University has had in effect a sexual harassment policy and grievance procedure since 1985. The sexual harassment brochure has been revised. The revised brochure is available in the Personnel Office, Room 126, North Brooks Hall.

PERSONNEL NEWS

Technical corrections bill enacted

University's revised brochures available

The Personnel Office is developing training/educational programs that address on-going needs of the University, such as processing personnel, payroll forms and employment eligibility verification, as well as programs that address current and timely issues, such as sexual harassment, and employment enhancement.

To date, the Personnel Office has sponsored 13 training sessions with more than 1,500 employees in attendance. After the first of the year, the office will sponsor a session in conjunction with the National Council on Alcoholism and Drug Abuse on recognizing sexual harassment problems in the work environment and how to deal with them.

The Personnel Office welcomes and appreciates your input and suggestions for future training/educational programs. Please address any suggestions to Jull W. Eron, assistant director of personnel, Campus Box 1184.

The University is implementing searches to fill six professional positions on the Hilltop Campus. Detailed information about the qualifications and the application procedure is available from Sharon George in the Personnel Office at 889-5900.

GALLERY OF ART

Director

The director is responsible for the Gallery's regular annual program of changing exhibitions and for maintaining a permanent collection of art. Applicants should have the education, experience and qualifications to develop and communicate an exhibition program that complements the University's Committee on Collections.

Interested candidates should send a resume, sample publications, a list of exhibitions and the names of three references to: Chairperson, Search Committee, Director of Gallery of Art, School of Architecture, Marion Campus Box 1079, One Brookings Drive, St. Louis, Mo. 63130.

COMPUTER SERVICES

Director

The director oversees the administration of an advanced computer services organization with 12 large-scale IBM computer systems and a network of 1,200 terminals. Responsibilities will include planning for hardware and software growth and acquisition, overseeing rate setting and budget monitoring, and serving as liaison with the Office of Network Coordination and with other academic and administrative departments.

Applicants are encouraged to send a resume and the names of three references by Dec. 15, 1988 to Search Committee, Director of Computer Services, c/o Dean Robert Brookings Drive, St. Louis, Mo. 63130, (314) 889-5358.

FINANCIAL AFFAIRS

Associate vice chancellor for finance

Responsibility includes overseeing the Treasurer's Office (endowment of more than one billion, bank relations and tax exempt bond offerings), Controller's Office, institutional budgeting and planning.

Nominations, applications and recommendations should be sent to: Ronald G. Evers, M.D., Vice Chancellor for Financial Affairs, Washington University, One Brookings Drive, St. Louis, Mo. 63130. Applications are encouraged by Dec. 15, 1988.

GRADUATE TUITION REMISSION IS TAXABLE

Congress has passed a technical corrections bill that was signed into law by President Reagan on Nov. 15, 1988 which will make employer-provided graduate tuition remission and/or tuition reimbursement reportable as wages on an employee's Wage and Tax Statement, from which withholding of taxes on employees under the Federal income tax system and its staff of over 100, the personnel. University Libraries through a multi-year process of significant expansion and growth.

Appointment anticipated to be effective no later than July 1, 1989. Applicants are encouraged to send a resume and the names of three references by Dec. 15, 1988 to Search Committee, Director of Dean of University Libraries, St. Louis, Mo. 63130, (314) 889-6484.

GENERAL COUNSEL

Assistant general counsel

Assistant general counsel will work with the staff of the Office of the General Counsel on matters of the University, outside counsel and independent in providing legal service to the University. The Office of the General Council provides representation to the Hillsboro Campus, the University Libraries and the University's principal responsibility is providing legal services and participating in litigation involving the University.

Submit a resume to: Peter H. Ruiger, General Counsel, Washington University, One Brookings Drive, St. Louis, Mo. 63130. All resumes must be received by Jan. 15, 1989.

FINANCIAL AFFAIRS

Associate vice chancellor for finance

Responsibility includes overseeing the Treasurer's Office (endowment of more than one billion, bank relations and tax exempt bond offerings), Controller's Office, institutional budgeting and planning.

Nominations, applications and recommendations should be sent to: Ronald G. Evers, M.D., Vice Chancellor for Financial Affairs, Washington University, One Brookings Drive, St. Louis, Mo. 63130. Applications are encouraged by Dec. 15, 1988.

GRADUATE TUITION REMISSION IS TAXABLE

Congress has passed a technical corrections bill that was signed into law by President Reagan on Nov. 15, 1988 which will make employer-provided graduate tuition remission and/or tuition reimbursement reportable as wages on an employee's Wage and Tax Statement, from which withholding of taxes on employees under the Federal income tax system and its staff of over 100, the personnel. University Libraries through a multi-year process of significant expansion and growth.

Appointment anticipated to be effective no later than July 1, 1989. Applicants are encouraged to send a resume and the names of three references by Dec. 15, 1988 to Search Committee, Director of Dean of University Libraries, St. Louis, Mo. 63130, (314) 889-6484.

GENERAL COUNSEL

Assistant general counsel

Assistant general counsel will work with the staff of the Office of the General Counsel on matters of the University, outside counsel and independent in providing legal service to the University. The Office of the General Council provides representation to the Hillsboro Campus, the University Libraries and the University's principal responsibility is providing legal services and participating in litigation involving the University.

Submit a resume to: Peter H. Ruiger, General Counsel, Washington University, One Brookings Drive, St. Louis, Mo. 63130. All resumes must be received by Jan. 15, 1989.

FINANCIAL AFFAIRS

Associate vice chancellor for finance

Responsibility includes overseeing the Treasurer's Office (endowment of more than one billion, bank relations and tax exempt bond offerings), Controller's Office, institutional budgeting and planning.

Nominations, applications and recommendations should be sent to: Ronald G. Evers, M.D., Vice Chancellor for Financial Affairs, Washington University, One Brookings Drive, St. Louis, Mo. 63130. Applications are encouraged by Dec. 15, 1988.

GRADUATE TUITION REMISSION IS TAXABLE

Congress has passed a technical corrections bill that was signed into law by President Reagan on Nov. 15, 1988 which will make employer-provided graduate tuition remission and/or tuition reimbursement reportable as wages on an employee's Wage and Tax Statement, from which withholding of taxes on employees under the Federal income tax system and its staff of over 100, the personnel. University Libraries through a multi-year process of significant expansion and growth.

Appointment anticipated to be effective no later than July 1, 1989. Applicants are encouraged to send a resume and the names of three references by Dec. 15, 1988 to Search Committee, Director of Dean of University Libraries, St. Louis, Mo. 63130, (314) 889-6484.

GENERAL COUNSEL

Assistant general counsel

Assistant general counsel will work with the staff of the Office of the General Counsel on matters of the University, outside counsel and independent in providing legal service to the University. The Office of the General Council provides representation to the Hillsboro Campus, the University Libraries and the University's principal responsibility is providing legal services and participating in litigation involving the University.

Submit a resume to: Peter H. Ruiger, General Counsel, Washington University, One Brookings Drive, St. Louis, Mo. 63130. All resumes must be received by Jan. 15, 1989.
CALENDAR
Dec. 1-10

LECTURES
Thursday, Dec. 1
4 p.m. Dept. of Chemistry Seminar, "Fermi Jumps and Hard Potatoes from Henry-jon Colli-
sers," Robert Vanetik, prof. of chemistry, U. of Washington-Seattle. 311 MCB
4 p.m. Central Institute for the Deaf (CID) Research Seminar, "Some Notes on the Hair Cell Hypo-
thesis," Donald W. Hines, Ph.D., research prof. of otology at CID, CID Aud, 2nd floor, Clancy and Research Bldg, 909 S. Taylor Ave.
4 p.m. Dept. of History Lecture, "The State of a Nation," John Menard, prof. of history, History of Western Society, Hu. of Illinois at Urbana-
Champaign, 400 E. Green St.
4 p.m. Dept. of Anthropology Colloquium, "Adolph, Paul, and Mennonites: Views From the Gutter, Grave, and Attitude," Murray Wirt, WR prof. of sociology, 101 MCB.
4 p.m. WU School of Medicine Dept. of Pathology Seminar, "The Molecular Basis of Mutagenesis," Lawrence A. Loeb, Dept. of Pathology, Joseph Gottstein Memorial Cancer Research Laboratory, U. of Washington School of Medicine, St. Bldg., Children's Hospital.

Friday, Dec. 2
6 and 8:30 p.m. WU Film Travel Lecture Series, "North to the Top of the World," John Wilson, Enhaker, Graham Chapel. For ticket info., call 889-5122.

Monday, Dec. 5
4 p.m. Dept. of Biology Seminar, "Molecular and Cellular Studies of a Biological Clock," Michael Young, Howard Medical Institute, Rockefeller U. 312 Redbrick.
4 p.m. Dept. of Physics Colloquium, "New Approaches Towards the Treatment of CNS Disorders," Richard Kisker, WU prof. of psychology, 102 Eads.

Wednesday, Dec. 7
4 p.m. Dept. of Physics Colloquium, "Micro-

Thursday, Dec. 8
4 p.m. Dept. of Chemistry Seminar, "What Is the Fingerprint Mechanism of Visual Transduc-
Kog Nakanishi, prof. of chemistry, Columbia.
4 p.m. Central Institute for the Deaf (CID) Seminar, "Perception, Recognition," Ed. Foote and John W. Ficks, both from CID. Glenn Clark, prof. of psychology, 909 S. Taylor.

Friday, Dec. 9

PERFORMANCES
Friday, Dec. 2
8 p.m. WU Performing Arts Dept. Presents WU Dance Theatre: Edson Theatre: Also at 8 8

FILMS
Thursday, Dec. 1
7 and 9 p.m. WU Filmboard Series. "Shubert." RU 4643.
Friday, Dec. 2
7 and 9 p.m. WU Filmboard Series, "Children of a Lesser God." $2. Brown. Also Sat., Dec. 3, same times, and Sun., Dec. 4, 4:15 p.m. (Brown.)

Saturday, Dec. 3
7 and 9 p.m. WU Filmboard Series. "The Man in the White Suit." $2. Brown Hall. Also Tues., Dec. 6, same time and Sat., Dec. 9, at 8:30 p.m., Brown.

Wednesday, Dec. 7
7 and 9 p.m. WU Filmboard Series. "Volpen." (Also Sat., Dec. 10, and Sun., Dec. 11, at 7 p.m., Brown.)

SPORTS
Friday, Dec. 2
5th Annual Washington U. Lopata Basketball Classic
6 p.m. Joanna Pitzer vs. Trinity. Field House.
8 p.m. WU vs. MIT. Field House.
Saturday, Dec. 3
5th Annual Washington U. Lopata Basketball Classic
6 p.m. Consolation Game. Field House.
8 p.m. Championship. Field House.
Saturday, Dec. 10
7:30 p.m. Men's Basketball. WU vs. Barn College. Field House.

MISCELLANEOUS
Friday, Dec. 9
East, Women's Club Mini-Minicon and Holiday Concert featuring "The Pitch Pipes." Women's Bldg. The coat is $5 for men and $15 for their guests. For more info, call Renata Rebolleda at 889-4643.

Calendar Deadline
The deadline to submit items for Dec. 8-17 is Friday, Dec. 9. Items must be typed and state time, date, location, nature of event, sponsor and admission requirements. No items will be printed. If available, include speaker's name and identify-
ations and the type of event; also include your name and telephone number. Send items to King McNally, calendar editor, Box 3107 or by electronic mail to p72245KM at WUVMC.

EXHIBITIONS
"Video Form and Performance," Through Dec. 17. Gallery of Art, Steinberg Hall, lower level. 10 a.m.-5 p.m. weekdays, 1:5 p.m. weekends.
"Faculty Show," works by WU faculty. Through Jan. 8. Gallery of Art, Steinberg Hall, upper gallery. 10 a.m.-5 p.m. weekdays, 1:5 p.m. weekends. For more info., call 889-6843.

Sculptor's stone work on exhibit
Bixby Gallery will feature the work of artist Chuck Hassel in a Master of Fine Arts exhibit that will run Saturday, Dec. 3, through Sunday, Dec. 11.
Hassel is a sculptor who works primarily in stone. His pieces, which consist of stone slabs held together with web-like ties, range in size from a small work that sits on a pedestal to a sculpture that weighs more than 3,000 pounds.
"I like doing works outdoors, using materials I find on the site," he says. "This body of work is challenging because I'm bringing the work indoors. The pieces seem rather quiet outside. Their scale is so small as opposed to the scale of the earth. In the gallery, they seem louder, bigger."
The exhibition is one of the requirements for completion of the Master of Fine Arts degree at the University.
Bixby Gallery is located in Bixby Hall. Exhibits hours are 10 a.m. to 6 p.m. weekdays and 1:5 p.m. week-

Bears shoot for fifth Lopata title
The men's basketball team has a habit of being a rather "nice" host at its Lopata Classic championship.
The team hopes to continue this tradition on Friday and Saturday, Dec. 2-3, at the Field House when the Bears shoot for a fifth straight title at the Fifth Annual Lopata Classic, a la "The Brain Bowl."
This year's Classic features Pom-
ora-Pitzer Colleges of Claremont, Calif., vs. Trinity University of San Antonio, Texas, at 6 p.m. on Friday. To the nightcap, the Bears play Massachu-
setts Institute of Technology from Cambridge, Mass., at 8 p.m.
On Saturday, the consolation game will be contested at 6 p.m., while the championship match is set for 8 p.m.
The Lopata Classic — created by Stan Schuler, Washington Athletic director; Harry Kisker, dean of students, and of course, Stanley and Lucy Lopata, long-time University benefac-
tors — planted the seed for the Bear's basketball program. Without their assistance, this tournament would never have been.

Sculputor Chuck Hassel's "A Ceremony for Body" will be included in the Master of Fine Arts exhibit. The sculpture, which weighs about 450 pounds, is composed of limestone, marble, slate and sandstone and is held together with reed.

"This body of work is challenging because I'm bringing the work indoors. The pieces seem rather quiet outside. Their scale is so small as opposed to the scale of the earth. In the gallery, they seem louder, bigger."
The exhibition is one of the requirements for completion of the Master of Fine Arts degree at the University.
Bixby Gallery is located in Bixby Hall. Exhibits hours are 10 a.m. to 6 p.m. weekdays and 1:5 p.m. week-

This event is always a highlight for the players and coaches, as well as the fans," says Washington Coach Mark Edwards. "This year's tournament field is evenly-matched on paper, which tells me any one of the four teams could win the title.
"Once again, we can't thank Stanley and Lucy Lopata enough for their outstanding support. Without their assistance, this tournament would not be as prestigious as it has become today."