Fine arts Professor Gene Hoefel (far left) and Bob Gulovsen, adjunct business professor (far right), listen to senior Karen Hite and second-year MBA student Pat Conners describe their marketing strategy for Snap-Up.

'Snap-Up'
Unique class brings business, art students together on real-life advertising campaign

Students seek more faculty involvement

Senior Abraha Taddese presents cutting-edge pain research to world's leading scientists

New interdisciplinary program probes mind-brain connection

A new interdisciplinary program in the Department of Philosophy is recommended to integrate philosophy and the natural sciences to answer one of the oldest philosophical questions about humans: "How does the mind work?"

Armed with new scanning techniques, such as MRI (magnetic resonance imaging) and PET (positron-emission tomography), neuroscientists and cognitive psychologists can view how various parts of the brain are activated by perceptions and thoughts. In addition, psychologists no longer are confined to studying brain function through behavior, but can use "neural network" models of information processing.

With this advance, philosophers and scientists have, according to a recent issue of Science magazine, "a very real chance to solve one of the fundamental mysteries of science: how the mind arises from the brain."

The University is riding the crest of this new wave of knowledge about an interdisciplinary program linking philosophy with neuroscience and psychology. The Philosophy-Neuroscience-Psychology (PNP) program offers a doctorate in philosophy with a special emphasis on cognitive neuroscience and/or cognitive psychology. This initiative will investigate all aspects of mind, including consciousness, perception, memory, learning, language and cognitive development.

Five years ago in planning, the program was initiated through the philosophy department and the School of Business. The program has been approved by the James S. McDonnell Foundation, a private group that funds many projects in cognitive neuroscience and psychology. Andy Clark, Ph.D., professor of philosophy, directs the program.

Four years ago when students took on both the course and the research project, they were given the name "Mr." Yet "Mr." Taddese, an Edgewood College classics major, received a fellowship to the United States and Canada in 1979 about participating. Bond not only agreed to participate, but assigned teams of business school professors have run the world's leading pain researchers. He is the first person in history to isolate nerve cells that sense pain.

This semester Taddese, a biology and classics major, received a fellowship to work in a lab at Oregon Health Sciences University in Portland with Edwin W. McClesky, Ph.D., a former associate professor in the Department of Cell Biology and Physiology. Working in McClesky's lab, Taddese used a fluorescent marker called Dye 1 to identify nerve cells that sense pain. He distinguished those cells from others that sense pressure or temperature or control muscle movement.

"In the dish," Taddese said, "all nerve cells look alike. We marked cells from tooth pulp and found to distinguish those that sense pain from those that have other jobs." Taddese and McClesky's work could allow pain research to advance. But Taddese was prepared. In fact, he said, "I think I may have been overprepared for this talk by the time we got to DC. The first time, when I just did it for the lab or Oregen, it was horrible. But I practiced a lot, and I felt confident by the time I got to the meeting."

Not that he was completely calm. "I went to the lecture room the day before and saw a presentation, and I guess it intimidates me a little bit. I went back to my hotel room and started practicing again. Then, during my actual talk, when they turned it on..."

Students seek more faculty involvement

The Office of Residential Life has been working to enhance faculty involvement in the residence halls for the past two years.

Alumna Trina Williams named Rhodes Scholar

A press time, Trina Williams, a 1992 graduate of the John M. Olin School of Business, was one of 32 Americans named to receive a Rhodes Scholarship to Oxford University, England. Williams attended Washington University on an Ervin Scholarship and was a member of the Women's track team. She is working as a Peace Corps volunteer in Ecuador. Judges selected Williams from among 1,200 applicants for her leadership ability and athletic prowess.

Fine Arts professor Gene Hoefel and Bob Gulovsen, adjunct business professor, listen to senior Karen Hite and second-year MBA student Pat Conners describe their marketing strategy for Snap-Up.

To take their place in this world. Staying power: Faculty members are granted tenure, appointed with tenure.
Researchers identify gene responsible for rare disease that affects liver and brain

Researchers at the School of Medicine have found the gene for Wilson's disease, an inherited metabolic disorder that causes cirrhosis of the liver and brain degeneration. This discovery is important because it opens the door for the development of a generic screening test to determine at or before birth who in high-risk families carries the disease, and Jonathan Gitlin, M.D., associate professor of pediatrics and one of the study's authors. The finding was published in the November issue of The Journal of Biochemical and Biophysical Research Communications.

Wilson's disease, which commonly is misdiagnosed, affects 1 in 50,000 people. The disease causes the liver to stop excreting copper, which is then deposited in the brain and other organs. In some patients, the first clinical signs of the disease are in the liver. Often, the initial sign is acute hepatitis, which commonly is misdiagnosed as infectious mononucleosis. In other patients, the disease first affects the central nervous system, causing tremors, drooling and incoordination. If copper has spread to the brain, the disease could cause psychosis, resembling manic-depressive illness or schizophrenia.

Correct diagnosis of the disease is critical because most people with Wilson's disease who do not receive treatment die by the age of 30. Treatment involves daily medication and reducing foods rich in copper, such as shellfish, chocolate, liver, mushrooms and nuts.

Gitlin's research group located the gene on chromosome 13. "We found that the gene is a membrane protein," said Gitlin, who worked with research fellows Yukihiko Yamaguchi, M.D., Ph.D., and Mark Henry, M.D., Ph.D. "Now we are trying to identify what the mutations are in patients. We are not sure how many mutations there are and how often they appear."

The number of mutations will determine how quickly a genetic screening test can be developed. Gitlin and his colleagues expect developing a test will take at least two to three years. Isolating the gene eventually could lead to gene therapy as a treatment for the disease, said Gitlin. If this is accomplished, doctors will be able to provide the liver or the brain with the copper-excreting protein that the defective gene does not produce.

The gene was discovered independently by three teams of scientists. In addition to Gitlin's St. Louis-based group, the other teams were led by Diane Cox in Toronto and Rudy Tanzi and Conrad Gilliam in Boston and New York.

Researchers receive $2 million to study transplant tolerance

Three teams of investigators at the School of Medicine will share a $2 million grant to study how the immune system responds to and tolerates transplanted organs and tissues. The four-year grant, awarded by the National Institute of Allergy and Infectious Diseases, will allow researchers at the School of Medicine to examine why some patients have successful long-term transplants.

"Despite improvements in transplant surgery and the development of new drugs to help prevent organ rejection, organ transplants ultimately fail," says T. Mohanakumar, Ph.D., professor of surgery, pathology and medicine and program director of the grant. "By investigating the cellular and molecular mechanisms that allow some transplanted organs to be accepted, we hope to improve the success of all transplants."

Within the first year after transplantation, 10 to 30 percent of grafted organs and tissues fail—usually from graft rejection. Organs such as hearts, lungs and livers have the highest failure rates, according to the United Network for Organ Sharing. Moreover, 25 percent of patients waiting for an organ transplant have experienced at least one failed graft.

Mohanakumar, Wayne Frye, M.D., Ph.D., professor of surgery, immunology and molecular microbiology, and Ted Harland, M.D., Ph.D., professor of genetics, each will lead a team of researchers investigating various aspects of transplant tolerance. Their work may eventually lead to more effective ways to selectively suppress the body's immune system following transplantation to prevent graft rejection. Immunosuppressive drugs quell the entire immune system, making overwhelming infection the leading cause of death in transplant patients. A currently used immunosuppressive drug is a treatment for the disease," said Frye. "That is, getting a donor to accept a transplanted organ without needing to use immunosuppressive drugs over the long term. That is what we are trying to translate to a clinical setting."

School of Medicine and Barnes Hospital participate in cancer study

The School of Medicine is participating in a $787,800 million study to determine whether the widespread use of screening tests for cancers of the prostate, lung, colorectum and ovary can save lives. The Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO) will enroll 16,000 men and women volunteers ages 60 to 74 in the St. Louis area. Screening tests will be administered at Barnes-West County Hospital.

Men participating in any of the PSA screening tests will receive a physical examination of the will receive a physical examination of the 

Barnes Eye Clinic patient Louis Phillips receives a frozen Thanksgiving turkey from Mildred Greenlee, L.P.N. The clinic donated turkeys to 100 of its patients, who were selected by a random drawing.
Moog helps deaf children reach dreams

When Jean Moog, principal of Central Institute for the Deaf, graduated from Smith College in 1955, presidential candidate Dwight Eisenhower had just given his commencement address. He told the graduating class that they were lucky to be women who had such an excellent liberal arts education because it would help them be supportive to their future husbands and their husbands' chosen careers.

When the speech concluded, the new Smith graduates heard the news that the Berlin Wall had come down. Just 25 years later, at this class reunion, the graduates were appalled by the speech and realized how demeaning it sounded. Moog shrugs off the incident. "That was the era we lived in and no one took offense at the time." Indeed, shortly after she graduated from Smith College in 1955, presidential candidate Dwight Eisenhower had just given his commencement address. He told the graduating class that they were lucky to be women who had such an excellent liberal arts education because it would help them be supportive to their future husbands and their husbands' chosen careers.

Moog says. "We were never satisfied with how fast they were learning, and that was our goal. About a third of the children did learn to speak without the implants. But the group as a whole progressed at about 75 percent of the learning rate of normal hearing children. That is still very good for profoundly deaf children," she says, pointing out that the national average reading level for deaf adults is about third grade, while the deaf EPIC group reads at about fifth grade.

The project, which began in 1978, took three years to complete. Afterward, Moog became principal of the CID

"I have great pride in the kids and what they accomplish."
Exhibitions

“Recent Acquisitions: Rare Books and Manuscripts From The Lilly Collection.” Through Jan. 30. Olins Library, Special Collections, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5490.

“On Sabbatical: School of Fine Arts Faculty Work.” Through Jan. 3. The exhibit features mixed media installations by Joan Hall, paintings of architectural scenery from Oaxaca, Mexico by William Kohn, and selections from a collaborative book project and drawings begun during a one-month stay in Florence, Italy by Jeffrey Pike: Gallery of Art, upper gallery; Steinsch Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5490.


“Into the Light: Gay, Lesbian and Bisexual Student Show.” Through Dec. 15. Bixby Gallery, Bixby Hall. Hours: 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends. Room 105. 935-4643.

Lectures

Thursday, Dec. 9


4:30 p.m. Math colloquium. “Foliations and Jacobi.” Larry Conner, professor, Dept. of Mathematics. Room 199 Cupples I Hall.

Friday, Dec. 10


1 p.m. Solid-state engineering and applied physics seminar. “Cross-linked Acrylic Polymers for Integrated Optical Wavelength Switches.” E. Nakagawa, electrical engineering graduate student. Room 307 Brom Hall.


Monday, Dec. 13


Wednesday, Dec. 15

7:30 a.m. Obstetrics and Gynecology Grand Rounds. “Precocious Puberty.” Ernest Wu, chief resident, School of Medicine. Clifton Aud., 4950 Children’s Place.


5 p.m. Cardiology seminar. “Inherited Metabolic Causes of Sudden Death.” Daniel Kelly, assst. prof., Dept. of Medicine. Room 401A Medical Center Library.

Thursday, Dec. 16

9 a.m. School of Medicine special seminar. “Elastase and Fibronectin in the Pathology of Vascular Disease.” Marlene Rubinson, prof. of pediatrics and pathology, U. of Toronto and director of cardiovascular research, Hospital for Sick Children. Toronto, Ontario. Room 423 McDonnell Medical Sciences Bldg.


Friday, Dec. 17


Washington University Dance Theatre will present works by members of the University’s dance faculty and guest choreographers, 29 and 30. (Above, from left) Chelle Parkins, Michel Yang, Shelly Bolinski and Michelle Finkel perform “Sensual Spaces.”

Dance concert features new works, wide range of styles

T he Washington University Dance Theatre will present its annual concert at 8 p.m. Jan. 28 and 29 and at 2 p.m. Jan. 30 in Edison Theatre.

The concert features eight works by seven choreographers, who are either on the University’s dance faculty or are guest choreographers. The dances, which are performed by University students, include modern, tap and contemporary, ballet and others. Before returning to Washington University in 1992, Mosley was a dancer-choreographer with numerous New York-based dance companies.

Love Pile,” by Amy Schactman, explores the body’s language “while under the influence of love. The dance uses hugs, kisses, pushes, pulls and lots of body and mind games.”

Starlight Roof” is a jazz work set in a night-club, “a life on Earth and returns to the sea. Sebastian’s ballets are included in the repertoire of the Hartford ballet.”

Jan Erkert, a choreographer who was in residence last semester, will present a work titled “Sensual Spaces.” Erkert created a new version of the work for seven Washington University dancers during her residency. In it she celebrates “the female and the body in the context of spirituality.” The piece is set to a 15th-century liturgical Mass and the dancers will be wearing black lace caps.

Tap dancer Jan Feager has created a new work for five dancers titled “Fractured Time Steps.” Feager is the founder and artistic director of Tapmakers, a dance company committed to the art of rhythm tap.

“Undine,” a work by the late choreographer Stuart Sebastian, will be performed by supernova Geri Reisel. The work is about a character named Undine, a female water spirit, who “discovered a life on Earth and returns to the sea. Sebastian’s ballets are included in the repertoire of the Hartford ballet, Jeffrey II, the Connecticut Ballet, the Chicago Ballet and others.”

The Washington University Dance Theatre is almost entirely designed and produced by students. Jan Erkert is the head design/technical theatre coordinator, first-year student Sibyl Wickersheimer is stage manager and first-year student Todd Rodgers is sound technician. Two faculty members, Bonnie Kruger, prof. of design and practice, and Colin London, assistant professor of design, supervise the students.

Tickets are $7 for general public and $5 for students, senior citizens and Washington University faculty and staff. For more information, call 935-6543.

Calendrical
Institute of Radiology, Clayton Aud., 4950 Children's Place.

Noon, Cell biology and physiology seminar, "Interactions and Pathways in ARF Binding to the Gogli Complex and the Rap-1 GDS Family," Albert L. Wilson, prof., Dept. of Cell Biology, University of Missouri-St. Louis, Room 423 McDonnell Medical Sciences Bldg.

1 p.m. Solid-state engineering and applied physics seminar, "Use of Nanotube/nanotube Photonic Optical Waveguides," Casey Kane, graduate student, Room 306 Bryans Hall.

Monday, Jan. 3

4 p.m. Immunology seminar, "The Immune-Litected APC-T Cell Interactions Will Be the Focus of the学会," Milliecroft Professor and chair, Dept. of Pathology, St. Louis Children's Hospital.

Wednesday, Jan. 5

7:30 a.m. Obstetrics and Gynecology Grand Rounds, "Intraventricular Retardation," Kathleen Harris, chief resident, School of Medicine. Clopton Room 305 Bryan Hall, St. Louis Children's Hospital.

Friday, Jan. 14

7:30 p.m. WU Alumni Travel Lecture Series, "A Travel Log of Chile," Marika Twinda Murry, including the music of W. Mozart and A. Vivaldi. Cost: $10 for the general public, WU faculty and staff, and $2 for students. Graham Chapel.

Monday, Jan. 10

4 p.m. Immunology seminar, "Natural Resistance to Infection With Intracellular Parasites: Cloning and Characterization of a Candidate Gene for BCG Resistance," prof. of Biotechnology, McCull CI, Montreal, Quebec, Field Floor, St. Louis Children's Hospital.

Wednesday, Jan. 12

7:30 a.m. Obstetrics and Gynecology Grand Rounds, "Bladder Cancer," professor, University of Missouri-St. Louis. Stix Inter-

Saturday, Dec. 18

10 a.m. Hillel Foundation Chanukah program, sponsored by the Children's Home. Room 305 Bryan Hall.

Sunday, Dec. 19

7:30 p.m. Saturday, Dec. 11, Field House. Season Recap: vs. Maryville University, 66-63; vs. Wash-

Wednesday, Jan. 19

7:30 a.m. Obstetrics and Gynecology Grand Rounds, "Intrauterine Growth Retardation," Cathleen Harris, chief resident, School of Medicine. Clopton Room 305 Bryan Hall.

Thursday, Dec. 23


Sunday, Dec. 25

7:00 p.m. English Department Lecture Series, "The Art of Storytelling," Kevin G. Wilson, professor, Dept. of English, University of Missouri-St. Louis, Room 423 McDonnell Medical Sciences Bldg.

Monday, Dec. 13

6:30 p.m. WU Student Association International potluck dinner and slide presentation, "New Mexico," Terry de la Cruce-Sweet, asst. prof. of communicati-

Tuesday, Dec. 14

7:00 p.m. Fellowship of Christian Athletes, "The Importance of Mind/Body Balance," Dr. Bruce R. Lucee, professor of Law and Liberty, Dept. of Economics and Nobel laureate. Graham Chapel. 935-4354.

Friday, Jan. 21


Monday, Jan. 3

4 p.m. Immunology seminar, "The Immune-Litected APC-T Cell Interactions Will Be the Focus of the学会," Milliecroft Professor and chair, Dept. of Pathology, St. Louis Children's Hospital.

Wednesday, Jan. 5

7:30 a.m. Obstetrics and Gynecology Grand Rounds, "Intraventricular Retardation," Kathleen Harris, chief resident, School of Medicine. Clopton Room 305 Bryan Hall, St. Louis Children's Hospital.

Friday, Jan. 14

7:30 p.m. WU Alumni Travel Lecture Series, "A Travel Log of Chile," Marika Twinda Murry, including the music of W. Mozart and A. Vivaldi. Cost: $10 for the general public, WU faculty and staff, and $2 for students. Graham Chapel.

Monday, Dec. 10

8:30 a.m. Office of Continuing Medical Education seminar, "Contemporary Solutions in Obstetrics and Gynecology," spinning and new professionals welcome. Wabash Tri-State, 6155 Delmar at Skinker, 726-6177.

Sunday, Dec. 11


Friday, Jan. 21


Monday, Dec. 13

6:30 p.m. WU Student Association International potluck dinner and slide presentation, "New Mexico," Terry de la Cruce-Sweet, asst. prof. of communicati-

Tuesday, Dec. 14

7:00 p.m. Fellowship of Christian Athletes, "The Importance of Mind/Body Balance," Dr. Bruce R. Lucee, professor of Law and Liberty, Dept. of Economics and Nobel laureate. Graham Chapel. 935-4354.

Friday, Jan. 21


Monday, Jan. 3

4 p.m. Immunology seminar, "The Immune-Litected APC-T Cell Interactions Will Be the Focus of the学会," Milliecroft Professor and chair, Dept. of Pathology, St. Louis Children's Hospital.

Wednesday, Jan. 5

7:30 a.m. Obstetrics and Gynecology Grand Rounds, "Intraventricular Retardation," Kathleen Harris, chief resident, School of Medicine. Clopton Room 305 Bryan Hall, St. Louis Children's Hospital.

Friday, Jan. 14

7:30 p.m. WU Alumni Travel Lecture Series, "A Travel Log of Chile," Marika Twinda Murry, including the music of W. Mozart and A. Vivaldi. Cost: $10 for the general public, WU faculty and staff, and $2 for students. Graham Chapel.

Monday, Dec. 10

8:30 a.m. Office of Continuing Medical Education seminar, "Contemporary Solutions in Obstetrics and Gynecology," spinning and new professionals welcome. Wabash Tri-State, 6155 Delmar at Skinker, 726-6177.

Sunday, Dec. 11


Friday, Jan. 21

Observations From the provost's office

No conflict, no interest?

On Dec. 17 the Faculty Senate will consider a new University policy on conflict of interest. Discussion is welcome at the meeting, which is scheduled for 3:30 p.m. in Room 201 Crow Hall. Here, Susan Cullen, Ph.D., professor of molecular microbiology and associate vice chancellor for research, shares some of her thoughts on the issue.

The vitality of our academic enterprise rests in part on our ability to make connections with the world outside the University community. As faculty, we use the experience gleaned from the outside world to invigorate our teaching and to stimulate our research. We extend ourselves beyond the academic community to areas as diverse as peer review of grant applications, flood relief, conservation, and the business management of nonprofit organizations, and many more. Having connections with the world means that all of us are faced with decisions about how to balance activities within the University and activities outside. Having time for our time and attentiveness is as common as breathing, and represents "conflict of interest" in the true and non-pejorative sense of the term. It is possible for us to carry out many of the "conflicting" activities appropriately, and the dynamic tension between internal and external activity may enrich our ability to carry out our University work. It is appropriate to balance conflicting interest of the University, but we must destroy our connections to the world community.

Further, deriving personal benefit from external activities can be perfectly appropriate. The consulting fee, the plaque acknowledging leadership, or the activity-related travel benefit are examples of usual and typically reasonable rewards for our efforts to reach out to the United States and the world. Such interactions will continue in some way. But even if external activities can bring personal rewards, either psychological or financial, we cannot allow these activities to hinder us from focusing on our academic mission. Faculty must be primary stewards of the public trust and need to avoid causing others to perceive that we are risking our integrity.

The responsibility to preserve the integrity of the academic mission extends to everyone in the University community, students and staff. The provost strongly supports this role.

After broad consultation with faculty leadership groups, University administration and the faculty at large, several faculty committees have cooperated in the development of a policy on conflict of interest for University employees that mandates disclosure of financial interests. Disclosure is required of all significant financial interests including grants, sponsored research, and一号 volunteers to help with its annual holiday. The George Warren Brown School of Social Work, which helps many non-profit organizations, and many more.

From the provost's office

Douglass North opens spring Assembly Series

Douglass C. North, Ph.D., who shared the 1993 Bankers Trust Prize in Economic Science, will open the spring Assembly Series at 11 a.m. Jan. 19 in Graham Chapel. His lecture, The Evolution of Economics and Societies,” is free and open to the public.

North, Henry R. Luce Professor of Law and Liberty, received the Nobel Prize for his work in the study of economic institutions in the United States and Europe, as well as his contributions to the understanding of how economic and political institutions change over time. He has been a leading advocate for the importance of institutions in explaining economic change in society.

On Jan. 26 writer Joyce Carol Oates will continue the series, which ends April 27 with the lecture The Evolution of the Mind by J. Mark. Oates, Ph.D. Oates will also be a part of the grant application process for the federal funding of research.

The widely accepted premise is that disclosure allows analysis and will permit us to assess the potential for real or perceived conflict from those that do not. Through implementation of a disclosure-based policy, we can develop creative ways to manage conflicts of interest in a more responsible and consistent manner. Our interactions with the world around us can be maximized without risking the integrity of the University and faculty mission.

As a University community, we are on a pathway that should allow us to reach common understanding about the need to acknowledge conflict of interest and to seize the important opportunity that acknowledging conflict presents. Acknowledgment of conflict of interest triggers an opportunity to review our personal missions, to give and obtain advice on the standards that we believe best serve our University. We can then organize and advance our activities thoughtfully in pursuit of our relative worth within our mission. To merit the privileges of academic freedom and to deserve the trust of the public, we need to manage conflict of interest responsibly, using a credible method of self-examination.

The change gives Olin graduates a "distinctive" sense of being natural." Even so, he said, "Some of the most exciting work being done in the business school at Olin is where business, economics, and the law intersect," Hochberg said. "The program captures a distinctive thrust within our faculty." Other programs in Business, Law, and Economics Center since 1991. The center, the University's primary site for interdisciplinary research and advanced teaching, has pursued external interactions with the world in ways that have grown in the past decade, it has been more able to bring into its fold Peter A. Bond and his account manager, Annie Byrne. Simon Hall's Room 113 was filled with fidgeting students, nervous because nervous about "appearing preachy." One group's strategy of being natural. "Even so, he said, "It is always because it was perceived not to reach the audience." The students' comments to one team were "I like the idea that you have to change the flow," one student said, "and tell the editor, 'We're doing it on the train.'" But another group commented that the discussion of the policies seemed to come up with good ideas that would get shut down, but it always was because it really shouldn't reach the audience.

Olin designs new undergraduate majors

The John M. Olin School of Business is offering two new innovative majors and has joined the University in recognizing that students need majors to major in specialized areas of business.

Until now, students could focus their studies in a certain area, but could not formally declare intent to major in that area without serious consideration. The policy change gives Olin graduates a "distinctive" sense of being natural," Even so, he said, "I like the idea that you have to change the flow," one student said, "and tell the editor, 'We're doing it on the train.'" But another group commented that the discussion of the policies seemed to come up with good ideas that would get shut down, but it always was because it really shouldn't reach the audience.

Ad professionals critique students — from page 1

Volunteers needed to brighten children's holidays

Volunteers are needed to help children affected by flooding have a happy holiday. The George Warren Brown School of Social Work is looking for volunteers to help children whose families lost everything in the flood. Volunteers will assist with organization and toy distribution that day and are asked to arrive for service between 12:30 and 2, or between noon and 4:30 p.m. at 600 Manchester. For more information or to sign up, call Lori Meyer at the Salvation Army at 533-4560.

The Flood Partnership, a coalition of mental health agencies, is looking for volunteers to help with a Christmas party for children affected by the flood. The party is scheduled for 5 p.m. Dec. 18 at Salvation Temple, 2740 Arsenal. Volunteers will deliver gifts and related items, tell stories, handle refreshments and oversee art activities related to the children's reactions to the flood. For information or to volunteer, call Marta Berg-Weger at 935-4009.

The Salvation Army is looking for more volunteers to help with a Christmas party scheduled for Dec. 22. Manchester Road. On Jan. 26 writer Joyce Carol Oates will continue the series, which ends April 27 with the lecture The Evolution of the Mind by J. Mark. Oates, Ph.D. Oates will also be a part of the grant application process for the federal funding of research.

The widely accepted premise is that disclosure allows analysis and will permit us to assess the potential for real or perceived conflict from those that do not. Through implementation of a disclosure-based policy, we can develop creative ways to manage conflicts of interest in a more responsible and consistent manner. Our interactions with the world around us can be maximized without risking the integrity of the University and faculty mission.

As a University community, we are on a pathway that should allow us to reach common understanding about the need to acknowledge conflict of interest and to seize the important opportunity that acknowledging conflict presents. Acknowledgment of conflict of interest triggers an opportunity to review our personal missions, to give and obtain advice on the standards that we believe best serve our University. We can then organize and advance our activities thoughtfully in pursuit of our relative worth within our mission. To merit the privileges of academic freedom and to deserve the trust of the public, we need to manage conflict of interest responsibly, using a credible method of self-examination.

Douglass North opens spring Assembly Series

Douglass C. North, Ph.D., who shared the 1993 Bankers Trust Prize in Economic Science, will open the spring Assembly Series at 11 a.m. Jan. 19 in Graham Chapel. His lecture, The Evolution of Economics and Societies,” is free and open to the public.

North, Henry R. Luce Professor of Law and Liberty, received the Nobel Prize for his work in the study of economic institutions in the United States and Europe, as well as his contributions to the understanding of how economic and political institutions change over time. He has been a leading advocate for the importance of institutions in explaining economic change in society.

On Jan. 26 writer Joyce Carol Oates will continue the series, which ends April 27 with the lecture The Evolution of the Mind by J. Mark. Oates, Ph.D. Oates will also be a part of the grant application process for the federal funding of research.

The widely accepted premise is that disclosure allows analysis and will permit us to assess the potential for real or perceived conflict from those that do not. Through implementation of a disclosure-based policy, we can develop creative ways to manage conflicts of interest in a more responsible and consistent manner. Our interactions with the world around us can be maximized without risking the integrity of the University and faculty mission.

As a University community, we are on a pathway that should allow us to reach common understanding about the need to acknowledge conflict of interest and to seize the important opportunity that acknowledging conflict presents. Acknowledgment of conflict of interest triggers an opportunity to review our personal missions, to give and obtain advice on the standards that we believe best serve our University. We can then organize and advance our activities thoughtfully in pursuit of our relative worth within our mission. To merit the privileges of academic freedom and to deserve the trust of the public, we need to manage conflict of interest responsibly, using a credible method of self-examination.
joy bergelson receives fellowship

joy m. bergelson, ph.d., assistant professor of biology, has received a five-year, $50,000 fellowship in science and engineering from the david and lucille packard foundation. bergelson is the second washington university scientist to receive a packard foundation fellowship since the program was established in 1988.

last year, michael e. rosenblatt, ph.d., assistant professor of biochemistry and molecular biology, was awarded a packard fellowship.

joy m. bergelson

the packard fellowship is one of the second major competitive fellowship awarded to bergelson in 1993. earlier this year, she was one of 20 early career investigators nationwide to be honored by president bill clinton as a columbia university presidential faculty award for her work in the biological sciences. the presidential faculty fellowship has been established by the national science foundation, awards her $100,000 per year for five years.

the packard and 19 other science and engineering researchers at u.s. universities were awarded fellowships this year, for 1993-94, and for the next five years. each, the packard program offers 37 twoforfour-year scholarships to faculty members.

bergelson brings insights from ecological theory and molecular biology to influence studies of how plants evolve defensive systems and compete in the real world. her work will bring about a better understanding of the risks of introducing genetically modified crops.

memory elvin-lewis featured on nature show

memory elvin-lewis, ph.d., professor of microbiology in biomedical science, was featured in the american broadcasting corp.'s "nature of things" show on the nbc network. the hourlong science program was seen by 40 to 50 million viewers nationwide to be honored by president bill clinton as a columbia university presidential faculty award for her work in the biological sciences. the presidential faculty fellowship has been established by the national science foundation, awards her $100,000 per year for five years.

the nature of things, a program of the bbc, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

cbc interviewed elvin-lewis on campus during the fall of 1992 for "nature of things." a 50-year-old bbc reporter who is consistently the corporation's most popular show. also interviewed was andrew oh, assistant student who, with elvin-lewis, presented a lecture on the session.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

cbc interviewed elvin-lewis on campus during the fall of 1992 for "nature of things." a 50-year-old bbc reporter who is consistently the corporation's most popular show. also interviewed was andrew oh, assistant student who, with elvin-lewis, presented a lecture on the program. elvin-lewis, who has been featured in the program, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

cbc interviewed elvin-lewis on campus during the fall of 1992 for "nature of things." a 50-year-old bbc reporter who is consistently the corporation's most popular show. also interviewed was andrew oh, assistant student who, with elvin-lewis, presented a lecture on the program. elvin-lewis, who has been featured in the program, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

cbc interviewed elvin-lewis on campus during the fall of 1992 for "nature of things." a 50-year-old bbc reporter who is consistently the corporation's most popular show. also interviewed was andrew oh, assistant student who, with elvin-lewis, presented a lecture on the program. elvin-lewis, who has been featured in the program, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.

the second session, a nbc network, has been seen in 17 countries and in 131 cities and towns worldwide, in addition, through an arrangement with the discovery network, a u.s. cable network, the show will run on cable television in the united states at a later date.
Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding the application process may be obtained in the Office of Human Resources, 205 Ford Building, or by calling 935-5990.

General Office Assistant
94010. Career Center. Requirements: High school graduate, some college preferred; must possess strong skills in verbal and written communication; ability to meet deadlines, set priorities, cope with interruptions; good organizational skills, especially with clerical and telephone skills. Clinical tests and three letters of recommendation required.

Programmer/Analyst II
940104. Computing and Communications. Requirements: Certificate or associate's degree; knowledge of data communications; administrative data processing; excellent communication and interpersonal skills. Resume and three letters of recommendation required.

Programmer/Analyst III
940107. Computing and Communications. Requirements: Bachelor's degree; strong knowledge of data communications, networks, and people skills; ability to work with minimal supervision; ability to learn quickly; ability to work well with others; experience with and management of desktop and network computing; familiarity with DOS, Macintosh systems; knowledge of Novell, Appletalk, Windows and TCP/IP networking. Clinical tests and three letters of recommendation required.

Associate Director of CAIT
940110. Center for the Application of Information Technology (CAIT). Requirements: Bachelor's degree in a pertinent field of engineering, business, information systems or finance, an advanced degree is preferred, excellent communication skills; excellent marketing, general management and financial management skills; 10 years of applicable work experience in business or finance; ability to work as a member of a team; strong component of the work experience; teaching experience is subject to review based upon the nature of the position; ability to plan, organize and lead special projects. Resume and three letters of recommendation required.

Network Technician
940116. Library Resources. Requirements: Associate's degree or similar technical certificate; experience in designing and implementing networks for computer systems; skill in maintaining, troubleshooting, or supervising a computer network. A high school diploma or GED is required. Resume and three letters of recommendation required.

Deputy Director
940201. Electric Power Research Institute (EPRI). Requirements: Bachelor's degree, master's degree, and/or significant years of experience in computer science, electrical engineering, systems design, or closely related area. Must be able to work with data and voice systems, computers, and the latest technology. Excellent written and oral communication skills. Excellent supervisory skills. Must be able to prioritize and multi-task. Must be a self-starter and team player. Excellent interpersonal skills. Must have the ability to quickly adapt to changing circumstances. Must be able to lead a diverse technical team. Must be able to lead, motivate, and cajole others to achieve the goals of EPRI. Must possess excellent written and oral communications skills. Must be able to communicate effectively with a diverse work force. Must have the ability to quickly adapt to new circumstances; computer skills desirable; familiarity with automated circulation systems, preferably NOTIS; desirable; familiarity with micro-computers (WordStar, WordPerfect, Lotus and E-Mail); excellent grammar, spelling and punctuation skills. Clinical tests and three letters of recommendation required.