Christopher Byrnes is named dean of engineering school

Christopher I. Byrnes, Ph.D., professor and chair of the Department of Systems Science and Mathematics, has been named dean of the School of Engineering and Applied Science, Chris Byrnes, announced. The appointment is effective July 15, 1991.

"Washington University is delighted to have a scholar with Professor Byrnes' breadth of research experience to head our School of Engineering," said Danforth. "We look forward to his leadership in continuing the exceptional program built under Dean McKelvey.'

Byrnes succeeds James M. McKelvey, Ph.D., who is retiring as dean after 27 years in the position. McKelvey will remain on the faculty as professor of chemical engineering.

'I am delighted that my successor is someone of Chris Byrnes' stature and ability, and I am confident that, under his leadership, the academic stature of the school will continue to grow,' McKelvey said.

Byrnes is an internationally recognized expert in systems and control, a branch of engineering that involves modeling of a vast assortment of physical systems and processes.

Although the engineering department has been around for centuries, their applications did not become numerous until the 1960s. A classic example was the discovery and development of the Kalman Filter for signal estimation, which was used for navigation corrections on the manned Apollo moon expeditions.

Byrnes' expertise is in control systems, especially in the design of feedback systems, such as those used in the design of automatic weapons control and robotics.

Byrnes was also a fellow of the Institute of Electronics and Electrical Engineers in 1989 and a fellow of the Japan Society for the Promotion of Science in 1986. He was named a Japan Society for the Promotion of Science in 1986.

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Chancellor addresses Persian Gulf conflict

As the Persian Gulf situation evolved into open conflict, students at Washington University expressed a wide range of viewpoints. Chancellor William H. Danforth sent the following letter to all students last weekend to encourage hope and to put the role of the University into perspective:

Dear Student,

I should like to share my thoughts with you at this time in our national life. America is again at war. Young people, Americans and others, are fighting and dying.

For me, and I imagine for many of my generation who have lived through other wars and have perhaps seen some of the devastation of suffering close at hand, this war coming at a time of hope for a new world order, is especially sad and poignant.

We are all aware that for all of recorded history human beings have been killing their fellows, destroying culture and treasure, laying waste the land. We know that immortal leaders have led their peoples to suffering and death. It is natural to ask, "When will this madness ever end? When will we learn that we are all brothers and sisters who hope and fear and love and hate? Why can we not remember that we are all the same planet together? When will we learn that war is truly terrible, that it brutalizes and that it leaves no lives unscathed?"

We ask these same questions that others have asked before we were born, but clear answers did not come in the past and do not come today. There can be the sense that humanity is on a wheel that goes round and round again.

But despair is never the answer. By intelligence and foresight, humans can and do improve their lot and the lot of their fellows. Progress is made. Progress is made. Progress is made.

This war is different than any before. Consider these facts. First, the media coverage is truly extraordinary. Never before has there been so much information been made available to the general public. Second, there has never been so much informed debate. Educated people have had a great deal about the antecedents, about the immediate and the future, about the thoughts and ideologies of our leaders and theirs. Third, rarely if ever before has the nation which upsetting the peaceful status quo been given such explicit warnings. This is not to say that those warnings were not justLY received. The Korean War, has the decision been voted on and ratified by representatives of a world assembly. Perhaps these steps seem small when people are dying, but I hope they point the way for continued progress.

It is worth noting even that in wartime life goes on. The mood is different, but people continue to be human. They require food and sleep, individuals work and play and write and make poetry. Some are famous for their orribleabbles some fall in love. The work of civilization goes on as it always has. The postwar challenges may require more wisdom and more good will than those during wartime.

Individuals make different decisions. They may not become soldiers; some become conscientious objectors. Either course may be admirable, but both will have to be dependent on the circumstances. During wartime when emotions are high, there is almost always a readiness to look for and to find scapegoats. Those who are different from us or those who believe differently from us are most likely to be targeted. Especially during such times educated people have an important role in providing objectivity and perspective. We can serve this function best by taking seriously the views and arguments of those who see things differently from the way that we do. There are those who believe that hope for long-term peace and world order rest on the successful prosecution of this war. There are others who believe that this war will lead to vastly more suffering than good. There are still others who believe that progress in the taking of human life. All of these points of view and many others command the respect of serious people.

The University and Washington University will go on functioning as it has been past wars. I believe that during such periods our mission to educate the leaders of tomorrow is more important than ever. This need is constant. The University as an institution may have no position on war or peace or on foreign policy. Washington University is after all a place and an abstention. But individuals should and do have positions. I hope that all Washington University students will have informed, balanced and passionate opinions. I add because the issues are large and important. I write this letter thinking of Washington University students present and past. In my lifetime, the United States has already been involved in three major wars, World War II, Korea, and Vietnam. I hope that this one is the last. More importantly, I hope that you and people of your generation from the world over may find better ways of creating and sustaining a just, stable and peaceful world, for yourselves, for your children and for your grandchildren. If you can use your Washington University education in this cause, those of us who have put our lives into this institution will be repaid many times over.

William H. Danforth, Chancellor

More options with retirement plans will be offered

Following policy changes by the Teachers Insurance Annuity Association - Retirement Fund (TIAA) and the Vanguard Group of Mutual Funds (CREF), TIAA will have at least two new options.

First, to place an annuity that provides income for the rest of the person's life, those who have independent annuity accounts may receive a total or partial lump sum payment in cash at the time of retirement. This cash option is open only to those individuals who are completely separated from Washington University (i.e. resignation, retirement, etc.) and who are at least 55 years old.

The second new option is the ability to transfer any Vanguard funds and/or the Vanguard Group of Mutual Funds. TIAA is planning a new process to provide a cash-out option for TIAA investments, but that plan is not expected to be in place until 1991.

Also, prior to retirement, current faculty and staff can invest all or part of the retirement benefit in the Vanguard funds in addition to the traditional annuity. The Vanguard funds may be moved to TIAA and CREF. Funds already invested in CREF may be moved to the Vanguard Funds; a similar option may also be allowed for TIAA depending on later action by that organization.

In April 1991, faculty and staff will receive in the annual annuity letter an outline of the procedures needed to exercise the new options. Kevin P. Nussbaum will be available to provide information on the tax and financial implications of the various options. Employees who are retiring before July 1, 1991 may find more information in their accumulations should contact Nussbaum at 889-5990 as soon as possible.

Students gather around a television in the Women's Building basement to watch news of the Persian Gulf conflict.
Fashion fairy tale
Senior takes home only U.S. prize from international competition

Senior Nancy Freund has returned triumphantly from Europe, where she was the only American to win an award in the international Art School fashion design competition held in December.

Freund, a senior in the School of Fine Arts and a resident of Ladue, Mo., was one of 16 winners in a field of 130 fashion students from 18 countries around the world. In November, Freund had been selected from a field of 55 students representing 30 of the top U.S. design schools.

The whole fashion world thought of Freund as a "fairytale," said Freund. "It came home really inspired me to design more and make more garments, even over winter break." From the 200 Best of Contemporary, which featured Freund's work, Freund received the "Prize of Encouragement," or "incentive award." The award carried with it a crystal trophy designed by Baccarat and was the highest ranking prize.

Judges for this year's competition included Caroline von Koenigswald, Karl Lagerfeld, and the late Yves St Laurent. Friend was the only American to attend the competition and the only American to have the honor of having a work selected for the closing ceremony.

The Record is running a weekly series profiling new faculty on the Hilltop and Medical campuses. For more information, call 889-4620. It is free and open to the public. It is also available on the internet at u.arizona.edu.

New faculty are introduced

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Buildings

way. Because it will be connected to the new building, Wilson Hall will be accessible on all levels to people with physical limitations.

Linda B. Salamon, dean, of the department of Engineering and Mathematics, has arranged for a complete renovation of the building. The renovation is scheduled to begin in the fall of 1990.

Renowned organist will play in Graham Chapel

Press reviews have lauded Gerre Hancock as the finest organ

Franck, Bruhns, Bach and Sowerby, and conclude with an introduction of a four-movement sonata. Hancock is the organist and master of the Choristers at St. Thomas Church in Beverly Hills. He serves on the faculties of The Juilliard School of Music and the Peabody Conservatory of Music at Yale University. His visit is sponsored by the Graham Chapel Series and the Graham Chapel Foundation.

North to discuss Russian revolution

North is a specialist in economic organization, economic history and political economy, and has written several books on economics, including the 1990 Institution, Institutional Change and Economic Performance. He has lectured at many major American and Canadian universities and at conferences and universities in Japan, the Soviet Union, South America and Europe.

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Although a larger percentage of breast cancer is being diagnosed early, when treatment is most effective, for those women with locally advanced breast cancer — what physicians call stage III — the best new approach appears to be a combination of three regimens: radiation therapy, chemotherapy and surgery.

According to recent research at the Mallinckrodt Institute of Radiology, regimens for cancer patients were significantly higher when all three treatment options were combined. Local control of tumors, even though the movement in general has been away from combining treatment approaches, is apparently just too great for alternation.

An instructor in radiation oncology, Graham presented the results of his research at the annual meeting of the American Society for Therapeutic Radiology and Oncology, held in Miami Beach in October 1990.

Graham also plans further investigations. She would like to design prospective studies that test the hypotheses presented by her first investigation, but acknowledges that ethical considerations will have to be weighed carefully in light of the evidence that the triple modality is clearly the most effective and that it may also be best to begin chemotherapy and irradiation before surgery.

Graham also adds a bigger caveat. The results of her study show that as therapy becomes more aggressive, the number of serious and moderate complications rises. In particular, chemotherapy appears to contribute to the number of side effects experienced. Irradiation alone produced complications in only 20 percent of the patients receiving it. Combined with mastectomy, the percentage remained the same. But when irradiation and chemotherapy were combined, the rate went to 35 percent. The 10 percent who received all three therapies into two groups: one that received mastectomy prior to getting systemic medication and radiation therapy (in the conventional order) and another that began chemotherapy and/or radiation therapy before getting surgery (a less traditional approach).

The investigators also examined the effects of combining treatment when the sequence of its various elements was taken into account.

They found that women who received all three therapies into two groups: one that received mastectomy prior to getting systemic medication and radiation therapy (in the conventional order) and another that began chemotherapy and/or radiation therapy before getting surgery (a less traditional approach).

The authors also report on how successful the four treatment modalities were in preventing recurrence of breast cancer at the original site five years post-treatment. The success rates: 31 percent, irradiation alone; 47 percent, irradiation and systemic therapy; 80 percent, irradiation and mastectomy; and 93 percent, irradiation, mastectomy and systemic therapy combined.

The study shows best treatment for advanced breast cancer

The National Institutes of Health has provided $4.2 million in additional funding to the Center for Molecular Design at the University to continue research on computer-aided drug design.

Computer-aided drug design is the use of computer graphics and molecular modeling to streamline the process of drug development. The technique allows scientists to predict the viability of a new drug by manipulating a model of its receptor, or target, on a video screen.

"The study supports a combination of mastectomy, radiation therapy and systemic therapy, but at a cost," says Graham. "Thanks to screening mammography and increased awareness and physician education, early diagnosis is becoming more common," she says. "Still, of the 10 in 10 women who will be afflicted with breast cancer, perhaps 20 percent will still be diagnosed with advanced disease. "Many of these are not necessarily women who did not seek medical attention for whatever reason. And some just have aggressive tumors that are not diagnosed until they are more advanced," says Graham.

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Juan Garcia receives minority faculty grant

Juan Garcia, M.D., instructor of medicine in 1988. He completed an internship and residencie in internal medicine and research fellowship in renal diseases at the Veterans Administration Hospitil of San Juan. He came to the School of Medicine in 1986 as a fellow in the renal division and was named an instructor of medicine in 1988. Garcia is a diploma of the National Board of Medical Examiners and certified by the American Board of Internal Medicine and the Nephrology Subspecialty Board. He is an associate of the American College of Physicians and the American Federation for Clinical Research and a member of the International Society of Nephrology.

The Robert Wood Johnson Foundation has existed since 1936. It was established as a national philanthropy in 1936. Since that time, it has awarded more than $4 billion in grants to improve health care in the United States.

Garcia received a bachelor's degree in biology from the University of Puerto Rico in 1974 and a medical degree from the University of Puerto Rico School of Medicine in 1982. He completed an internship and residency in internal medicine and research fellowship in renal diseases at the Veterans Administration Hospital of San Juan. He came to the School of Medicine in 1986 as a fellow in the renal division and was named an instructor of medicine in 1988. Garcia is a diploma of the National Board of Medical Examiners and certified by the American Board of Internal Medicine and the Nephrology Subspecialty Board. He is an associate of the American College of Physicians and the American Federation for Clinical Research and a member of the International Society of Nephrology.

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Dermatitis study still needs volunteers

Researchers at the School of Medicine still need volunteers for a study of atopic dermatitis. The study is testing the effectiveness of a new experimental drug in controlling atopic dermatitis. Ann G. Martin, M.D., instructor in dermatology, is directing the research. Volunteers must be 18 or over with chronic, active atopic dermatitis that has not been recently treated with systemic or topical medications. Participation is assigned one of two study medications, to be applied once daily. Clinical evaluations are taken after three and seven days and at the conclusion of the study.

For information, call 362-2043.
Kornfeld receives highly coveted Passano award

Stuart A. Kornfeld, M.D., professor of molecular biophysics at the School of Medicine, is one of two researchers in the United States. Prime consideration is given to work that has immediate relevance to cell biology, human disease. Specifically, they have discovered the mechanism by which human enzymes are targeted to the advancement of medical science.

The sole purpose of the Passano Foundation is to encourage medical science and research, with an emphasis on clinical application. The Foundation was formed in 1943 by the late Edward Boteler Passano, who was chairman of the Board of The Williams & Wilkins Co., publishers of medical books and periodicals.

Breaking the cycle

Project to help homeless, substance-abusing women

Homeless, substance-abusing women and their children will get help establishing productive, drug-free lives through an unusual partnership formed by the School of Medicine, St. Louis University and several community agencies that serve the homeless.

The new project, which has received $3.1 million in funding from the National Institute on Alcohol Abuse and Alcoholism (NIAAA), will provide treatment to help young women with children break the cycle of homelessness and substance abuse. Forty young women with 600 children will be served by the project, which is expected to begin in February.

Researchers at the School of Medicine and the St. Louis University Medical Center will examine the effectiveness of four programs, each offering different combinations of services. The Washington University team will help Keely Hill Neighborhood Services, which will operate two programs, while the St. Louis University team will work with the Salvation Army and its two programs.

Grace Hill will offer the first program in this area to allow substance-abusing women to keep their children as they get treatment, says Washington University's Elizabeth M. Smith, Ph.D., the project's principal investigator.

"The major reason that women are not receiving treatment for substance abuse problems is their fear of losing their children," explains Smith, a research associate professor of social work in psychiatry. "This will remove the barrier that has existed. In St. Louis, there are not any substance abuse programs that take people in and allow them to stay there with their kids. What happens often is that the kids end up in foster care, and then the woman feels terrible for getting the kids back."

"That's the major problem," says Smith, "and we're going to do something about it."

Co-principal investigator Sharon M. Homan, Ph.D., of the Center for Health Services Education and Research at St. Louis University Medical Center, adds, "These women are facing difficult decisions concerning their family, and often they're afraid to make a change for the better because they're not sure it's going to get better. But by telling these women, yes, there is a way to keep the family together while receiving the long term help they need for both themselves and their children, they might take the first step away from drugs or alcohol and the homelessness that substance abuse often causes," says Homan, an associate professor of public health. "That's where we come in — to supplement shelter programs so they can have hope for a better economic and stable future."

Different "voltage programs," each varying in format. Grace Hill and the Salvation Army already provide daily communal support to the homeless, but Smith and Homan have added case managers to ensure that they believe will make a difference.

There will be alcohol- and drug-free supervised housing, provided as part of a comprehensive approach to substance abuse treatment. Also, for one year a case manager will be assigned to each family to help in moving through the system of agencies and services available to assist with housing, employment and substance abuse problems. Finally, the project will provide long-term child development services and family counseling for the chemically dependent family.

"This program will take only a small number of women and their children at a time, and will have structured activities," Smith says.

"There will be day care for the kids, there will be health services available, there will be vocational programs teaching these women daily living skills. They don't have parenting skills. They don't really know how to shop, how to prepare meals. They tend to rely on fast foods. They've not grown up in stable families themselves, and so they're trying to prevent another generation from the same lack of stability."

Locally there are approximately 10,000 homeless, although Smith and Homan point out that it's difficult to get accurate figures. Nationally, about one-third of the homeless are families headed by women; locally about one-half are families.

"It isn't a steady state," Smith says. "People will go into shelters and the shelters will allow them to stay for 90 days or so, then they're out again. Maybe they go back to a boyfriend who's abusive — then they're made up and they're back there, precariously housed. And they're there for a while and wouldn't really be counted as homeless, because they're living somewhere, but then the boy- friend gets drunk or something happens and they're evicted, and they're back in another shelter."

The St. Louis project is one of 14 nationwide that recently received NIAAA and NIDA funding as demonstration projects on substance abuse among homeless people. With demonstration projects the government provides funding to develop programs, asking that there be rigorous record-keeping and evaluation so that, if successful, the programs can be replicated elsewhere.

In addition to Smith and Homan, research collaborators include Carol North, M.L.T., assistant professor of psychiatry at the School of Medicine; and from St. Louis University Medical Center, Barbara Arrington, Ph.D., assistant professor of hospital and health care administration, and Debra Bernardo, Ph.D., associate professor of nursing.

Smith has been studying St. Louis' homeless for the past five years. She is currently analyzing data collected from her first NIAAA grant, now in its final year, for which she interviewed 900 homeless people, 600 men and 300 women, to investigate the rate of substance abuse and other psychiatric disorders. This summer she received funding to study the characteristics of homeless women and their children, with the goal of assessing social, psychiatric and developmental status of the children.
Washington University has a wide variety of employee benefits offered.

**Health Insurance**

The University offers a flexible health insurance program so that employees may select coverage that best meet their individual needs. Five different plans are available: Blue Cross-Blue Shield Blue Cross-Blue Shield Alliance Excel, Pal Major Medical, Group Health Plan (a health maintenance organization), and Partners HMO (a health maintenance organization). All regular employees are eligible to participate in any of these plans if working 50 percent time or more. Employees may enroll within 31 days of the first of the month and make any limitation on coverage or a requirement to submit evidence of good health to the insurance companies. Late enrollees may join Group Health Plan or Partners HMO at any time.

**Dental Insurance**

The University offers two dental insurance plans. Plan I, Basic Dental, provides 100 percent coverage for preventive dental care and 80 percent coverage for major dental expenses, including root canals. The University pays the premiums for all regular employees, up to seven full-time years of working 50 percent time or more with one year of service. Employees must enroll within 31 days of the first of the month and may make any limitation on coverage or require a requirement to submit evidence of good health to the insurance companies. Late enrollees may join Group Health Plan or Partners HMO at any time.

**Flexhealth**

Flexhealth is a program designed to increase your spendable income by lowering the amount of gross salary on which your taxes are paid. By participating in the Flexhealth program, you will pay for your health and dental coverage with before-tax dollars. Health and dental premiums will be deducted from your total gross salary. Then, federal, state, City of St. Louis and FICA taxes will be calculated and deducted from this lower balance. Under this arrangement, your health and dental premiums are paid with before-tax dollars. This will not affect any of your other benefits such as life insurance, disability benefits or retirement.

All employees who elect health coverage under the Consolidated Omnibus Budget Reconciliation Act (COBRA) of 1985 were signed into law. The new law contains a provision of special interest that affects employer-sponsored health plans.

Employees may continue up to five years of continuous service with their former employers after they meet the normal admission standards of Washington University. The Normal admittance requirements may enroll at Washington University under the Consolidated Omnibus Budget Reconciliation Act (COBRA) of 1985 and are signed into law. The new law contains a provision of special interest that affects employer-sponsored health plans.

Employees may continue to participate in the Flexhealth Program, you must complete the Flexhealth Plan Waiver. The waiver form is available in the Personnel Office. If you waive participation, you will have no health or dental benefits on your behalf.

**Supplemental Life Insurance —** All regular full-time employees are provided the option to elect equal to half their annual salary after six months of continuous employment. The University will make a contribution of $10,000. Supplemental life insurance is available to employees working 50 percent time or more at the full salary rate.

**Child care reimbursement**

Definition: Qualified child care expenses are expenses for child care services before you are employed.

Qualified expenses: Reimbursement on a first-in, first-out basis for the cost of caring for dependent children under 13 by a nonrelative, such as a preschool teacher or licensed baby sitter.

Enrollment: The IRS requires an advance estimate specifying how much salary an employee wishes to contribute in the coming year. Funds are deducted from the paycheck before taxes and deposited to individual accounts. Maximum deduction is $416.66 per month or $5,000 per year.

Enrollment: Both plans are available. Employees may enroll at Washington in an undergraduate degree program, graduate degree program, or a continuing education program before they meet the normal admission standards of Washington University. The university makes a contribution of $10,000. The university will make a contribution of $10,000. The university will make a contribution of $10,000.

**Retirement annuity**

The University offers two Retirement Plans. Both plans are underwritten by the Teachers Insurance and Annuity Association (TIAA) and the College Retirement Equities Fund (CREF). Additionally, full-facton remission is available to the children of eligible employees. Each participant must meet the normal admission standards of Washington University. A maximum benefit of $100,000 is provided for those who meet the normal admission standards of Washington University. A maximum benefit of $100,000 is provided for those who meet the normal admission standards of Washington University.

**Vacation assistance plan**

The Washington University Tuition Assistance Plan is intended to help employees pay tuition costs for dependent children and spouses. The benefit is provided only if the employee pays tuition costs for children and spouses.

**Personnel News**

Personnel News appears monthly in the Record, the University's official publication and in the Personnel Office. Personnel News is designed to keep Washington University employees and their families informed of the benefits and opportunities available at the University.
January 24

Lectures

Jewish. 4 p.m. Dept. of Chemistry Seminar, "The Role of Stereochemistry in Biological Reactions," George Kraus, Iowa State U. Room 511 Schaeffer.- 4 p.m. Divisional Neuroscience Seminar, "Progress Toward Understanding the Mechanism of Synaptic Transduction," Don Brady, Dept. of Biological Sciences, Fordham University.- 4 p.m. Divisional Population Biology Seminar, "Explaining Biological Diversity: Evolutionary Mechanisms at Multiple Temporal Scales," Joel Cracraft, Dept. of Zoology, Room 332 Robertson.- 4 p.m. Dept. of Pathology Seminar, "The Role of Tumor Markers in Gastrointestinal Cancer," Michael F. Siewert, MD, WU Dept. of Pathology. Third Floor Aud, Children's Hospital,- 8 p.m. U. Field House.-

Friday, Jan. 25

9:45 a.m. Pediatric Grand Rounds, "Boarding Schools: Early History and Perspec- tive of Infants Care," Lawrence Gatter, prof. and chair, Dept. of Pediatrics, Chicago, Clayton Aud., 450 Audubon Ave.-

Neon. Dept. of Cell Biology and Physiology Seminar, "Role of Tyrosine Kinase in Leukemia," N. Karumanchi, Stanford. - 9:30 a.m. Noon, Dept. of Medicine: Transplantation Seminar, "Donor Specific Transplantation," Charles Lieberman, prof. and chair, U. of Rochester.- 3 p.m. Metabolism Division Seminar, "Homeostatic Hypothalamic Mecha- nisms as a Possible Basis for Obesity During the Course of Hypophysectomy," Loc. Podelan, Oncology Seminar Room.- 3:30 p.m. Design for Health Care's Forum: "Impact of the SONAH Training Program on Nursing Diag. of General Surgery," Third Floor Aud, Children's Hospital.- 4 p.m. Weisman Wind Symphony, "The Great Days of American Musicstry, 7 p.m. Humanities Auditorium, 617 Audubon Ave.-

Saturday, Jan. 26

9 a.m. Saturday Morning Neuroscience Seminar, "Neural Pathways Controlling Values in Genetic Engineering," Vincent E. Hruby, WU Dept. of Biology, Ken Lueckner, WU Dept. of Neuroscience, John G. Gotman, WU Dept. of Neuroscience, and Carl Wulff, WU Dept. of Pharmacology. Room 316 Meador Medical Sciences Bldg.-

Sunday, Jan. 27

8 a.m. Chapel Service, "Jesus and Antiochus in Vienna at the Turn of the Century," Egan Schwart, WU Ross Medical School. Profs. in the Humanities. Hillel House, 600 Fenwick Blvd. For more info., call 889-9832.-

Monday, Jan. 28

4 p.m. Immunology Program Seminar, "Evolution and Biology of CR2, a Lymp- hoceptor: Receptor for C3 and the Epstein-Barr Virus," William Michael Hopf, prof. of medicine and pathology, Howard Hughes Medical Institute, WU School of Medicine. Third Floor Aud. Children's Hospital. 805 Kingshighway Blvd. For more info., call 622-6748.-

4 p.m. Dept. of Biology Seminar, "Control of Cell Cycle During Leukemia Development," Shirley Berk, prof. of biochemistry, UI. of Rochester, St. Louis Mo. Room 322 Reischel Auditorium.-

Tuesday, Jan. 29

4 p.m. Chemistry Seminar, "The Shapes of Nuclei From Coulomb Excitation," Douglas J. Allison, University of British Columbia Research Laboratory, U. of Rochester. Room 311 McKenna.-

7 p.m. University College Short Course, "The Political Right in Germany," Jonathan S. Green, prof. of political science at Columbia University. Room 106, University College.-

Wednesday, Jan. 30

10 a.m. Divisional Chemistry Seminar, "The Unmaking of the Russian Empire," Charles N. North. WU Dept. of Chemistry.- 6:30 p.m. Babson Memorial Chapel. For more info., call 889-6020.-


8 p.m. Dept. of English Poetry Reading with Constance Cooper, "The Reluctant Mrs. Henry," Room 405, School of Liberal Arts.-

Thursday, Jan. 31


4 p.m. W. School of Law Second Annual Symposium on Reconstruct, Reunion and Reconstruction, the "Scars of Ants," (lectures also are scheduled throughout the day Feb. 1-4) 8 a.m. to 5 p.m. Room 156 Sluder Law Bldg. Sponsored by WU Law Students' Caucus, Gary and Leila Ahlert, U. of Wisconsin, Law Students Association and Indian Law League. For info., call 889-6800.-


Friday, Feb. 1

8 a.m. Noon, Dept. of Cell Biology and Physiology Seminar, "Endothelins, C4, C8, and C4b Localization in Coronary Artery Stenosis Malignant Hypertension," U. of Missouri-Columbia. Room 625 McDonnell Medical Sciences Bldg.-

6-8 p.m. W. University Association Travel Lec- ture Series, "The Real World of Hawaii and Tahiti," Nick Hornblott, filmmaker, Graham Chapel. For ticket info., call 889-5212.

Saturday, Feb. 2


Friday, Feb. 1


Saturday, Feb. 2

10 a.m. Noon, College Saturday Seminar, "ONATION "VATIONS" Series Presents "Sound Proof," Keith Terry, body modifier. Room 221, same time as Times. Cosponsored by Dance at St. Louis. Edison Theatre. Cost $18 for general public; $14 for senior citizens and WU faculty and staff, and $9 for students. For ticket info., call 889-5643.

Music

Sunday, Jan. 27

8 p.m. Performing Arts Dept. Presents an Organ Recital by Greta Hancock, organist and music director at Christ Church St. Thomas Church New York City. Graham Chapel. Program is co-sponsored by the Missouri Chapter of the American Guild of Organists. Free.

EXHIBITIONS

"Roman Republican Coins." Through May 19. Gallery of Art, lower lobby, Steinberg Hall. Hours: 8-9 a.m., 10 a.m.-4 p.m., weekdays. For more info., call 889-4523.

"Washington University Art Collections." Through May. Gallery of Art, lower lobby, gallery hours 10 a.m.-4 p.m., weekdays; 1-5 p.m., weekends.

"Carl F. Wiman: Chronicle of the Missouri River Frontier." This is the first comprehensive exhibition ever to be held on the St. Louis area in more than 40 years. This was one of the last painters of the Louisiana Purchase to view the Western settlement after the Civil War. Exhibits Jan. 24 through March 26, Monday through Friday, 10 a.m.-4 p.m., gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m., weekdays. 10 a.m. to 3 p.m., weekends.

"Romance and Reality on the Frontier," in conjunction with "Washington University Art Collections." Olin Library, Steinberg Hall. Hours: 10 a.m.-5 p.m., weekdays; 10 a.m. to 3 p.m., weekends.

"Heritage and Mission: Jewish Vietnam." Through Thursday, March 28. Library, Steinberg Hall. Hours: 10 a.m.-5 p.m., 5 p.m.-6 p.m., weekdays.

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Calendar Deadline

The deadline to submit items for the Jan. 31 - Feb. 9 calendar of the Record is Jan. 25. Items must be typed and state time and date, place, nature of event and identification and the title of the event, also include your name and telephone number. Items due by Feb. 1.

Don Ready, Dept. of Biological Sciences, 648-3450.

For info., or to register, call 889-4254 from 8:30 a.m. to 5 p.m. weekdays.

Identification cards

All faculty, staff and students working half-time or more, receive ID cards soon after they begin active service. This card entitles them to a number of benefits and privileges, including:

• Check Cashing - The Cashier's Office, Soul Brook Watkins, will cash personal checks not exceeding $75 and Washington University paychecks not exceeding $100.

• Membership and services of the St. Louis Credit Union. Regulations and provisions subject to the regulations.

• Athletic Complex - The facilities of the Athletic Complex are available during certain times to employees. Full-time employees are entitled to one-half the regular rate for savings or loans. One-half the regular rate may be made by payroll deduction.

Credit union

Memberships and services of the St. Louis Teachers Credit Union are offered to Washington employees and their families. For more information about the credit union, contact Barbara Drohler, credit manager, 805 Calhoun, 314-727-1813.

Hotel Discounts - Discounts will be given to employees using hotels listed in the Survey of Hotel Rates, which is an appendix to the University's travel and expense policies. Copies may be obtained from the Accounting Services Office.

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