

THE NIH RECORD

Still The Second Best Thing About Payday

U.S. Treasurer Withrow Launches 1999 Savings Bond Drive

Bond campaign kickoff drives at NIH are getting to be old hat for Mary Ellen Withrow, treasurer of the United States,



U.S. Treasurer Mary Ellen Withrow

who returned May 12 for the second year in a row to launch the annual savings effort. So comfortable is she with the crowd here that when one of a dozen festive balloons

surrounding the podium in front of Bldg. 1 popped, she simply quipped, "Kind of keeps me alive up here, you know? What's a bond campaign without balloons?"

The eruption did nothing to interfere with

SEE BOND KICKOFF, PAGE 4

Economics Nobel Sen To Give Director's Cultural Lecture

By Celia Hooper

Welfare economist Amartya K. Sen has been called "poverty's philosopher," "the conscience of economics," "champion of the underprivileged" and a "cult figure" in economics—among the more complimentary epithets. In a special NIH Director's Cultural Lecture on Wednesday, June 2, at noon, the controversial 1998 Nobel laureate in economics will discuss "Conflicting Principles of Health Evaluation," at Masur Auditorium, Bldg. 10.

NIH director Dr. Harold Varmus says, "Sen's writings on the determinants of health—in particular on the role of education, even in

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Out'

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Children's Art Graces CRC Construction Fence

By Rich McManus

What getting a paper published in a major journal is to a scientist, what landing a fellowship in a prestigious laboratory is to a postdoc, what winning an NIH Director's Award is to an employee here—these successes approximate the pride exhibited by a dozen or so youngsters who visited NIH Apr. 30 for the official unveiling of their artworks, which now grace a small fraction of the extensive construction fencing around the new Clinical Research Center. Twenty colorful illustrations, selected from a pool of some 100 contributions from kids, now decorate a 50-foot segment of the fencing, hinting at the esteem art will have in the



Student artists cut ribbon opening fence art project around CRC.

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Fruit of Recent Retreat

Nabel Outlines Plans for Vaccine Center

By Rich McManus

Dr. Gary Nabel, new director of the Vaccine Research Center, compared the VRC organizational structure—a recent invention of his—to both a company with a board of directors and to University of Michigan football at an hour-long presentation before NIH's AIDS vaccine research committee (AVRC) on May 5.

A professor of internal medicine and biological chemistry at Michigan before his arrival here in mid-April, Nabel spoke on the third and final day of an AVRC workshop titled, "New Concepts in HIV Vaccine Development" that drew hundreds of scientists from around the world to the Natcher center; sessions were devoted to vaccine modalities, immunity, use of animal models in vaccine development, new assays to develop and test HIV vaccine candidates, and other topics.

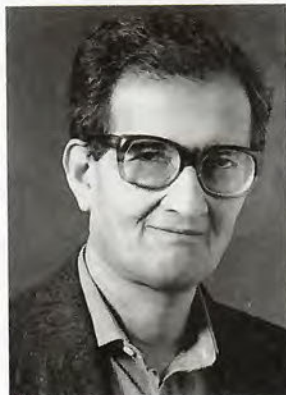
Nabel's role on the agenda was to relate what went on at a retreat he held in mid-April where 30 or so authorities in the field brainstormed for a day and a half on how best to craft an effective

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the face of severe poverty, as a means to extend life and improve well-being—are essential guides for those of us concerned about disparities in health status in the U.S. and abroad.”

An outspoken critic of traditional Western models of economic development, Sen first shook up the economics establishment with his 1970 book,



Dr. Amartya K. Sen

Collective Choice and Social Welfare. His best-known work, the 1981 book *Poverty and Famines: An Essay on Entitlement and Deprivation*, challenges the intuitive notion that shortage of food is necessarily the most important cause of famine. A steady stream of books, essays and articles from Sen's 30-year international academic career have ranged from technical

analyses of economic models and measures of poverty to practical observations on the relationships of government policies to economic development. Threading through his work is a focus on how resources are distributed in societies, with emphasis on the poor. His essays address the role of public utilities, health care, sanitation, literacy, the media, and gender discrimination and other societal and government characteristics in economic progress and famine.

In an interview following the awarding of his Nobel Prize, Sen said his academic focus on famine and poverty stems in part from his childhood. “I happened to observe from inside a major famine of the 20th century—the Bengal famine, which occurred in India in 1943—in fact, the last famine that occurred in India, in which close to 3 million people died. I was a nine-and-a-half-year-old boy at that time.” Sen said he has “very striking memories from that period.” He has retained his Indian citizenship throughout more than a decade as an academician at Harvard and years spent in England, and despite his sometimes-harsh criticism of government policies in his homeland.

Sen was born in 1933 in Shantiniketan, Bengal, India, and was given the name “Amartya” by poet Rabindranath Tagore, the first Asian Nobel laureate.

Varmus says that “beyond the importance and seriousness of his message, Sen is also a witty and charming speaker, so I urge everyone on the NIH campus to make an effort to attend this important event.” The lecture will be multicast via the NIH M-BONE, and overflow seating will be available in Lipsett Amphitheater. ■



Several NIH interns from the Hispanic Association of Colleges and Universities recently met with HHS Secretary Donna Shalala and Gov. Pedro Rossello of Puerto Rico (second from l). They included Julio Rodriguez-Colon (l), a biology major at the University of Puerto Rico (and now at NINDS' Laboratory of Molecular Neuropharmacology), and Noel Estrada (fourth from l) of UPR's graduate program of rehabilitation counseling. Also present was John Medina III (r), NIH Diversity Program manager.

Postmenopausal Vols Needed

The Cardiology Branch, NHLBI, is recruiting postmenopausal female volunteers for a 6-month study investigating the effects of hormone replacement therapy on the body's defense against infections that may be important in atherosclerosis. Participants must be between ages 50 and 65 and in good general health, and not have taken hormone replacement therapy or other medications for at least 6 months prior to study. Volunteers will be paid. Call 435-4038. ■

R&W Member Appreciation Day

The NIH Recreation and Welfare Association will hold its annual Member Appreciation Day on Thursday, June 10 from 11:30 a.m. to 1:30 p.m. in the Visitor Information Center, Bldg. 10. There will be awards presentations to R&W volunteers, door prizes and refreshments. Come see what R&W is doing for you—all are welcome.

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♻ The Record is recyclable as office white paper.

NIH Marks National Police Week with Luncheon, Exhibits

NIH Police Awareness Day on May 12 marked National Police Week on campus, and included the traditional luncheon put on by members of the NIH Police. This year's fare included Cajun fried catfish and all the trimmings, as well as exhibits by the Police Branch, Emergency Management Branch, Crime Prevention Branch, Employee Transportation Services Office and Ridefinders Program. Those who bought lunches also earned raffle tickets good for such items as tickets to minor league baseball games, R&W gift certificates and video rentals, movie tickets and restaurant gift certificates. Above, Gail Becker, a crime prevention specialist, hands out flyers and visors to visitors. At right is Thunder, a trained canine from Montgomery County's search and rescue team. Manning a fire safety exhibit below are J.P. McCabe (l), chief of the fire prevention section and his colleague Paul Davis. Members of the Montgomery County and Rockville City police forces were also on hand, as was the NIH Police mobile command center. NIH's search dog Daisy also simulated a hunt for a bomb. The NIH Federal Credit Union sponsored the annual event, and also had an exhibit on the patio of Bldg. 31A.



PHOTOS: ERNIE BRANSON



CC Gets New Fire Alarm System

Fire safety recently improved at the Clinical Center with the installation of a new alarm system. The new system underwent 3 years of extensive testing by the fire prevention section of Division of Public Safety's Emergency Management Branch, according to J.P. McCabe, FPS chief. "We tested more than 4,000 devices such as smoke detectors, manual pull stations, sprinkler system water flow switches, audiovisual alarms and overhead speakers."

Unlike the previous setup, the new system can perform three important functions simultaneously: It automatically, verbally instructs occupants on what to do in a fire emergency, tells the NIH Fire Department the exact location of the alarm and the type of device that activated the alarm, and permits orderly evacuation of only those zones that are affected. The system can be activated by manual pull stations, smoke detectors and sprinkler system water flow switches and is electronically monitored to ensure that all of its components are working properly. The system cannot be tampered with or disabled at any time without a trouble signal being sent to the NIH Fire Department.

For details about the new system, call the fire prevention section at 496-0487.



BOND KICKOFF, CONTINUED FROM PAGE 1

her cheerful pitch about the importance of saving, and her enthusiasm about the roll-out of new coins and bills from the U.S. Treasury. To go with the new \$20 bills introduced last September, she announced that new \$5 and \$10 notes are coming this year. "The \$20 bill was a success—I hope you like it," she said to the modest gathering of selected bond canvassers, nearly all of them evidently fond of twenties. "Did you know it has a hidden feature? If a blind person holds the bill up to a machine readable device, it will tell you the denomination."



NIAMS director Dr. Stephen Katz urges nonsavers to take advantage of the painless method of buying bonds—through deductions from paychecks.

New quarters are on their way too, she reported. "The New Jersey quarter was just struck. On Jan. 4, 1999, the Delaware quarter was introduced. Then we'll have Pennsylvania, and New Jersey on May 17. Then Georgia and Connecticut." Seven hundred fifty million quarters will be introduced for each state, she said, which will be a great boon to kids who collect coins, and are interested in history.

The quarter program is slated to last through 2008, or 2009, depending on whether Congress permits territories and D.C. to have coins struck in their honor, she said. "And for \$12.50, you can buy the whole collection!" she enthused. "It's fun to see what you have on the back of your quarter."

A new dollar coin was announced at the White House in early May, to be released next year, Withrow said. Featuring Sacagawea (the Shoshone Indian woman who was critical to the success of the Lewis and Clark Expedition) holding her infant son

Jean Baptiste, "It will be the first coin with a baby on it."

Vice President Al Gore introduced last September the new I Bond, which Withrow predicted would be a

big hit. The earnings rates of I Bonds are a combination of two separate rates: a fixed rate of return and a variable semiannual inflation rate, tied to the Consumer Price Index. The fixed rate remains the same throughout the life of the I Bond, while the semiannual inflation rate can vary every 6 months; some \$257 million worth of I Bonds have been sold thus far. It costs the face value—a \$100 bond costs \$100—but earnings are exempt from state and local

income taxes. "It's a great thing to think about—we expect brisk sales," Withrow said.

She said some 55 million Americans currently hold about \$186 billion in U.S.

Savings Bonds. The investment "has been a staple for our government. Every morning when you get up, you own a little more of America. And it doesn't cost much." She recommended bonds as a part of every American's portfolio of investments, admonishing, "Don't put all of your eggs in one basket."

Americans save about 4.2 percent of their disposable income, she said, which is a very low proportion. "We're not thinking about the future, and we're not saving. Things might not always be so good economically (as they are now)," she warned. She concluded with a formula: "Yesterday is a canceled check, tomorrow is a promissory note, and today is cash," then left the podium to man a table at which she added her autograph—for the second time—to stacks of fresh new \$1 bills for a long line of interested NIH'ers.

NIH deputy director Dr. Ruth Kirschstein urged the canvassers "to make this the best bond campaign season ever," and cautioned that flush economic times can delude employees into thinking things will never worsen. "When times are good, people think they will always be good, and usually they are. But not always."

Dr. Stephen Katz, director of NIAMS, which is sponsoring the bond drive at NIH this year, couldn't resist letting the dermatologist in him show itself; he congratulated those in the audience who sought shade from a sunny afternoon. "Most people do save, but many don't," he said. "Those are the people we are gearing our effort towards. People who don't save regularly need to know that bonds are the easiest way to save." If funds are deducted from your paycheck automatically, "you don't even miss it because you don't see it."

As the canvassers were treated to a pizza luncheon on the lawn of Bldg. 1, the Serenaders, a barbershop quartet that is part of the larger Alexandria Harmonizers, entertained the gathering.—Rich McManus ■



Withrow adds her signature—for the second time—to fresh \$1 bills for a long line of NIH'ers.



The Serenaders, a subset of the Alexandria Harmonizers, entertains the crowd with tunes from their barbershop quartet repertoire.

PHOTOS: ERNIE BRANSON

Y2K@NIH—A Work in Progress

It wasn't New Year's Eve, but some NIH staff quietly celebrated a millennial passage earlier this spring when the Center for Information Technology reported that 100 percent of NIH's mission-critical systems are Y2K-compliant.

NIH identified 14 essential systems such as IMPAC, MEDLARS, and the Administrative Database, and prioritized them for Y2K evaluation, remediation, and IV & V (independent validation and verification). NIH not only completed the work by the DHHS deadline but also reported that 98 percent of its remaining systems are Y2K-compliant.

The good news results from years of planning by NIH's Year 2000 work group. Since 1996, IC representatives coordinated by CIT have considered how to deal with the industry-wide computer problem that stems from a failure to recognize the two-digit date "00" as 2000. Left uncorrected, the glitch could cause malfunctions in many systems, including embedded microchips operating biomedical equipment.

Other phases of NIH's Y2K project continue:

- ICs are finalizing preparations in nearly 20,000 PC, Mac and Unix systems.
- ICs continue developing business continuity and contingency plans, including "Day One" procedures, as backup measures.
- Principal investigators must certify their laboratories have undergone Y2K assessment and management preparations for any date/time-sensitive biomedical equipment.
- Any system involved in the care of patients or animals must be certified Y2K-compliant and inventoried for auditors to check.

Visit <http://irm.cit.nih.gov/y2000/> for the complete picture with Y2K progress reports, evaluation tips, and related links, including CIT's interactive clearinghouses for IT and biomedical equipment where you can search the compliance of hundreds of software and hardware products. If you need specific assistance in readying office or laboratory systems for Y2K, call GO CIT (4-6248). ■

Orioles Bullpen Party, July 24

The R&W has tickets to the annual Orioles Bullpen Party on Saturday, July 24 vs. the Anaheim Angels. Price includes game tickets, entrance to the park at 2 p.m. (game is at 4), and a picnic in the bullpen area. Lunch includes hot dogs, hamburgers, beans, cole slaw, popcorn, beer and soda. Ticket price is \$27. Call 496-4600; there is a limited number of tickets.



Construction Crane Takes Tumble, Does Little Damage: A mobile construction crane overturned just before noon on May 14 at the site of the Bldg. 40 project and the Bldg. 37 renovation. The crane was hoisting a temporary air handling unit from one ground-level pallet to another when the crane operator felt the vehicle begin to turn over. He dropped the air handling unit several feet to the ground. Then, reacting quickly, he swerved the crane's boom into a small area between the two construction projects, before jumping unhurt from the cab of the crane. "He is to be commended," said Bldg. 37



Project Officer Solange Rangel of the Division of Engineering Services and Project Manager Frank Piatkowski of Charles E. Smith Management Construction. "We were very lucky. If he hadn't thought to direct the crane to avoid hitting something, it would certainly have been a lot worse." No one was injured and no damage was sustained to

either building project. The crane came to rest harmlessly on its side amid several chilled water pipes (middle photo). The temporary air handling unit—which was to provide weekend air conditioning to a portion of Bldg. 37 while the building's chilled water pipes were being worked on—suffered minor damage.

Emergency crews responded to Piatkowski's 911 call; Bldg. 37, which is occupied during its renovation, was evacuated for about 20 minutes until it was determined that no gas lines had been ruptured in the incident.



VRC OUTLINE, CONTINUED FROM PAGE 1

tive VRC. His "offensive line," and the people with whom he has worked most closely during his brief tenure so far, is an executive committee consisting of NIH director Dr. Harold Varmus, the directors of the two VRC-sponsoring entities—NCI (Dr. Richard Klausner) and NIAID (Dr. Anthony Fauci), Office of AIDS Research director Dr. Neal Nathanson, and NIH deputy director for intramural research Dr. Michael Gottesman. "They have been delightful to work with," Nabel noted.

Below this leadership group on the organizational chart is an external advisory committee ("the coaches"—not yet formally linked to the AVRC, chaired by Dr. David Baltimore), a board of scientific counselors, then Nabel in the director's office. He envisions four groups reporting to him: basic sciences (further subdivided into immunology, primate models and virology), translation (assay development, vector optimization), clinical sciences (human immunology, clinical virology), and core laboratories (a biosafety level-3 lab, a GLP [good laboratory practices, a certification standard] lab, and a lab specializing in immune assays). And the good news for those hungry to do AIDS vaccine research is that Nabel is anxious to fill this structure with about 100 people who are "scientifically outstanding, highly collaborative, and have a passion for creating vaccines."

"There are many places that emphasize just scientific excellence," said Nabel, "but the VRC wants people with all three characteristics. The chemistry of everyone involved is really going to be key. I'm really looking forward to putting people and approaches together."

Nabel said he's had some fun designing not only the organizational blocks of the VRC, but also the building itself. Recalling the pleasure of combining meals with scientific chats during his postdoctoral training at the Whitehead Institute, he described a "cyber café" to be built on the first floor that will combine library resources with a café; the eating area will be connected via a spiral staircase to a balcony where journals and Internet-ready computers will be available. Showing architectural drawings of a typical lab floor, he cited such embellishments as high, arched windows, conference space and open labs that "should make the VRC a fun place to work."

Offering a synopsis of the Apr. 16-17 retreat, which included seven sessions and "represents the collective effort of many people," Nabel said the VRC mission is to "facilitate development of effective vaccines for human disease, mainly AIDS." He described three goals: to conduct basic research on vaccines offering long-lasting, protective immunity, to prepare vaccine candidates, and to do laboratory analysis, animal testing and, ultimately, clinical trials of candidate products.

Nabel said he hopes to attract industrial partners

to the VRC, and mentioned three activities to occupy the VRC in coming months: survey scientific opportunities, formulate (with the help of the Food and Drug Administration) appropriate regulatory guidelines in the areas of pharmacology and toxicology, and foment the involvement of biotechnology and drug companies in VRC pursuits. "We would be delighted if an industrial partner did the GLP lab for us," he said.

Within the "scientific opportunities" rubric, Nabel mentioned three categories: immunology (developing methods to enhance the immunogenicity of specific HIV peptides, exploring the still mysterious area of adjuvants, attracting primate virologists and immunologists); translation (generating novel vectors for sustained expression and immunogenicity, and developing assays of immune function that are both robust and high-throughput, though he warned, "The consensus is that we don't want to become simply an assay lab.") and clinical investigation. "A major priority for the center would be to promote clinical investigation and evaluation of candidate vaccines in humans," Nabel emphasized. "Clearly, a number of vaccine candidates are ready for human trials."

Given that there are five major HIV strains in the world, Nabel said he "would be very surprised if the ultimate composition of an HIV vaccine is monovalent."

Another retreat theme was "complementary NIH intramural programs," a feature that Nabel said "will make the VRC much more than it can be on its own." Intramural science deputy Gottesman reviewed existing vaccine programs on campus, the Intramural AIDS Targeted Antiviral Program, the NCI-Frederick program in vaccine development, the proximity of FDA's Center for Biologics Evaluation and Research on campus, plus a variety of resources such as NIAMS' Protein Expression Laboratory.

"About 100 (NIH intramural) principal investigators work on AIDS-related projects," Nabel said. "Ten percent of the intramural budget is now spent on AIDS-related studies."

Nabel suggested creating an HIV Vaccine Special Interest Group on campus, and concluded his remarks urging attendees at the workshop to apply for VRC positions.

He was followed on the program by a scientist who made all too clear the urgency of the VRC's mission. Dr. Jose Esparza of the Geneva office of UNAIDS reported that, 18 years into the AIDS epidemic, more than 40 million people are infected, more than 12 million are already dead, and that some 90 percent of new cases are arising in developing countries. "Sixteen-thousand people are infected with HIV every day," he said.

Nabel assured a questioner that "our perspective is global...clearly it is a global pandemic." ■



Dr. Eric J. Murphy, a fellow in the National Institute on Aging's Laboratory of Neurosciences, received the Jordi Folch-Pi Memorial Award from the American Society for Neurochemistry at this year's meeting in New Orleans. The Folch-Pi Award, the premiere achievement award from the society, annually recognizes the early-career scientist who has made outstanding contributions to neuroscience research. Murphy is studying the role of altered lipid metabolism in several neurological disorders including stroke, spinal cord injury, Alzheimer's disease and Down syndrome.

Locksmith System Gets Update

NIH's locksmith section, a part of the Office of Research Services' Division of Public Safety, recently updated its operations. As of mid-May, the Key Lock Work Request (form NIH-2138) became virtually obsolete. The form had been used in one iteration or another since 1956 to request keys,



NIH's locksmith section includes (above, from l) Chief Clarence Bruce, and support staffers Alverta Wilson and Vivian Thomas.

change locks and otherwise secure campus buildings and belongings. The new system, which is Delpro-based and paperless, promises increased efficiency and ease. Institute and center administrative officers will now initiate locksmith services at their desktop stations, reducing data entry by locksmith administrative staff, who

up to now had been entering and cross-referencing by hand and computer some 1,000 key requests each month. When keys are ready, AOs will be notified



Locksmiths are (from l) Tom Thysell, Keith McKean, Calvin Jones, Phillip Previti and Cleveland Glenn.

via computer as well.

"This should significantly cut down on delays," said Clarence Bruce, a nearly 30-year veteran of the locksmith section and its chief since 1986.

Between 50,000 and 75,000 keys are in circulation at any given time around NIH's main campus and its rental facilities. Currently, the serial number of every key is listed in green record books by employee name, building and room location, and lock number. The earliest record book, raggedy around the edges from overhandling and falling apart at the spine, is dated some 40 years ago. Bruce said that gradually, as the computer entry system eliminates the need for a paper trail, use of the manual log books to track down keys, owners and locks will be permanently phased out. ■

Grantee Honored by U Va. Patent Foundation

Dr. John C. Herr, a professor of cell biology and director of a center for contraceptive vaccines at the University of Virginia, has been named the Christopher J. Henderson Inventor of the Year by the University of Virginia Patent Foundation.

Herr, whose studies have been supported by NICHD's Contraceptive and Reproductive Evaluation Branch, has studied human sperm and their anatomical and molecular characteristics for the past 20 years and over the past decade has filed and received a number of patents related to his research, which has applications in contraception and fertility diagnosis.

The U.Va. Patent Foundation award recognizes an invention that has proven to be of notable value to society. Herr's laboratory is developing two product lines based on his research in the molecular anatomy of sperm. The first products are kits that enable men to conduct sperm counts at home. The second line of products concern a contraceptive vaccine for women. ■

Capt. William F. Holcomb, training officer in the Radiation Safety Branch, recently won the 1999 Robert E. Wilson Award of the American Institute of Chemical Engineers "in recognition of his outstanding contributions to nuclear chemical engineering in radioactive waste management, fuel reprocessing and fabrication, governmental regulatory activities, and radiation safety training." A member of the Commissioned Corps for the past 25 years, Holcomb has, since 1990, helped train some 54,000 people—including researchers, nurses, police, firefighters, and housekeepers—in over 2,000 courses. He has published more than 100 papers, articles and book chapters in his field.



including researchers, nurses, police, firefighters, and housekeepers—in over 2,000 courses. He has published more than 100 papers, articles and book chapters in his field.

Garden Club Meets, June 10

Did you know NIH had a "champion tree?" Do you know who keeps the NIH landscaping in shape? What is that tree with the rose-colored blooms by Rockville Pike? For answers to these and other questions, come to the NIH Garden Club meeting on Thursday, June 10 in Natcher Bldg., Conf. Rm. A from noon to 1 p.m. Lynn Mueller, chief of the grounds maintenance and landscaping section, will visit with an update on what's new in the NIH landscape.

CHILDREN'S ART, CONTINUED FROM PAGE 1

new hospital.

The notion of gaining some relief from the eyesore of construction fencing had been a concern of the Division of Engineering Services for a long time. Coincidentally, three important parties were independently considering solutions to the problem: Stella Fiotes, an architect and master planner with the Office of Research Services, had recently joined the Leadership Montgomery Class of 1999, and was expected to craft a community service project as part of her leadership training experience. She and her colleagues, who included the director of the Pathways Schools, seized on the idea of children's art as decor for the fencing, and soon sold the idea to the Children's Inn at NIH.

At the same time, Scott Robinson, Clinical Center construction coordinator, had an idea to involve CC pediatric patients in an art-as-relief project at the CRC. Robinson learned of Fiotes' interest in the project once Fiotes had the support of Leadership Montgomery and was holding brainstorming sessions. Their group expanded to include some CC recreational therapists, and, perhaps most importantly, graphic designer Rayne Ann Wood of the Medical Arts and Photography Branch, ORS, who had also noticed the near-ubiquity of construction barriers on campus and said she "wanted to use this idea for the past 3 years."

Together they enlisted the aid, most crucially, of some creative kids at both the Children's Inn and at the Pathways Schools, which operate six therapeutic educational programs in metropolitan Washington, to do the art. Noted Fiotes, "The biggest challenge was having the children, many of them quite ill, prepare the art at different times and different locations" over a 6-week period. The easy part was securing support from Clinical Center director Dr. John Gallin, ORS Director Steve Ficca and other authorities; the project charmed them from the start. They wanted the kids to have a chance to put their mark on a project of great significance to them.

Wood's responsibility was to capture the kids' creations—done in paint, crayon, magic marker, papier mache, and other media—on four mesh panels measuring 6 by 12 feet. Boasted her boss, MAPB Design Section Chief Linda Brown, "You name it, she can do it."

Wood selected 20 illustrations from some 100 submissions of children's art ("Some of it was kind



Architect and master planner Stella Fiotes



Graphic designer Rayne Ann Wood (c) poses with artists Clifton Williams and Maria Mendoza.

of scary," she laughs). Using a digital scanner, she made computer layouts with the color images, then sent them to a specialty house in New York City for conversion into the mesh panels, durable enough to last a couple of years in any weather. Leadership Montgomery also asked Wood to link a vocabulary of innocence and optimism to the murals; she used terms such as "friends," "health," "happy," and "life," which appear both horizontally and vertically amid the images, "to connect the various elements, and indicate what we're about."

The overall effect is so appealing that NIH wants more. "Everyone feels the uplifting, heartwarming spirit of this project," said Ficca, who applauded the partnering of various community groups with NIH in bringing the project to completion. Arriving late at the ribboncutting due to an emergency meeting, NIH deputy director Dr. Ruth Kirschstein added her kudos: "It's absolutely terrific," she told the young artists. "Please come back and do some more."



Gil Brown, executive director of Children's Inn

Fiotes, an architect who has been involved in master planning and community relations for many years, acknowledged that construction cranes are becoming landmarks of the campus nowadays, and that fences are sprouting up everywhere. She said the project was about "adding beauty for patients, employees, visitors and neighbors. It's about people coming together to make things happen. But mainly it's about children, and their creativity. This is the first of what we hope will be many phases" of children's art decorating public spaces at NIH.

Gil Brown, executive director of the Children's Inn, said, "This is a tremendous opportunity for kids to express themselves through visual art...and an outlet for those youngsters in medical crisis." He also laughingly applauded the project as improving the view from his office window.

Rev. Sharon Peters, executive director of Pathways Schools, which enroll students ages 9 to 21 who have emotional and behavioral disabilities, said she was honored that students from her school were chosen for the initial part of the project. "We got a videotape from the inn describing how it evolved on the NIH campus. Most of our students didn't know what NIH was. There were some very moving stories in that video, which inspired our student-artists." The project also enlightened Pathways students about careers at NIH, she said. "It was a very significant project for our students," she concluded. "They learned that they can contribute to the beauty of the world."

The NIH and community partners said they are looking forward to more children's art on the CRC fence, and Wood hopes one day to expand her vision indoors at NIH: "I'd like to do something with the Visitor Information Center—that's a dynamic space just begging to be filled with something, using a similar kind of two-sided fabric hung from the ceiling."

Those interested in supporting the effort to install more vibrant children's art—including the beach scenes, fantastic faces, animals, flora and fauna currently on display—may contact Jan Mayes, director of development at the inn, 496-5672.



Rev. Sharon Peters of Pathways Schools



NIH deputy director Dr. Ruth Kirschstein (l) meets one of the artists as Peters looks on.

NICHD's Clemens Appointed IVI Director

Dr. John D. Clemens, chief of the Epidemiology Branch at NICHD's Division of Epidemiology, Statistics, and Prevention Research, has been appointed as first director of the International Vaccine Institute (IVI) in Seoul, Korea. He will take a leave of absence from NICHD and serve a 5-year term at IVI.

"John has a strong background in vaccine development," said NICHD director Dr. Duane Alexander. "He is especially skillful in the evaluation of new vaccines, and the IVI chose the best person for its directorship."

IVI is a nonprofit international institute established by the United Nations in 1997 to promote the health of children in developing countries through the development, introduction and use of new vaccines.

"John is one of the world's foremost authorities and contributors to vaccine research and development for developing countries. He has made a number of outstanding contributions," said Dr. Barry Bloom, chairman of the IVI board of trustees and dean of Harvard School of Public Health.

In addition to his recent position at NICHD, Clemens is also director of the World Health Organization's Center for Clinical Evaluation of Vaccines in Developing Countries. He also serves as adjunct professor at the department of international health at Johns Hopkins School of Public Health.

Clemens' research efforts have focused on the evaluation of new vaccines in developing countries and on developing improved methods for evaluating new vaccines. Much of his research has been conducted in Bangladesh, Chile, Egypt, India, Indonesia and Vietnam.

"Although some projects have already begun, it's my expectation that we will greatly increase the number of the IVI's projects and substantially increase the staff there," Clemens said.

In his new position, he will develop a research program for IVI's \$50 million laboratory on the campus of Seoul National University. In addition, he plans to expand current studies of disease prevalence to Japanese encephalitis, rotavirus (which causes diarrhea) and pneumococcal infections.

Clemens will also serve as chief executive officer for IVI and be responsible for the overall management of its projects and its funds. In this capacity, he will select key staff, oversee the development of new lab facilities, lead fundraising efforts and direct IVI's scientific program. But despite his enthusiasm for the IVI position, he still finds it difficult to leave NICHD for such a long period of time.

"I regret having to leave my NICHD colleagues," he said. "At IVI, however, I fully anticipate establishing scientific relationships with several of them." He will begin his term on July 1.—Robert Bock ■

'Titanic' Seats Available at R&W

A limited number of tickets to *Titanic* are on sale at the R&W. Showtime is Sunday, Aug. 8 at 7 p.m. at the Kennedy Center Opera House. Mid-section orchestra tickets are \$65 (regularly \$72), while supplies last. Call 496-6061 for details.

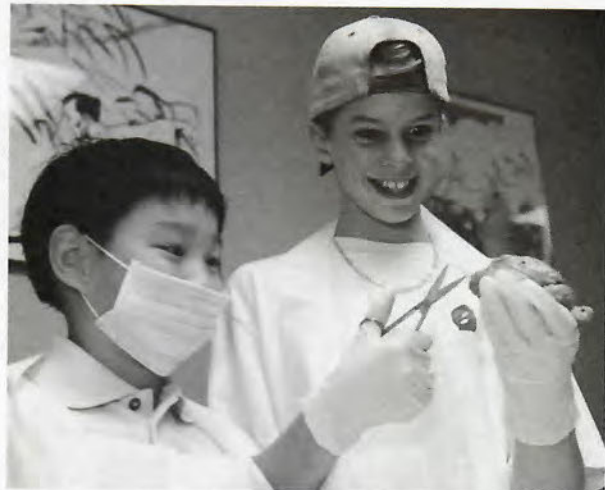
Hands-On Demonstrations Highlight 'Take Your Child to Work' Day

NIH offered hands-on demonstrations and exhibits to hundreds of employees and their children all over campus as the agency observed "Take Your Child to Work" Day on Apr. 22. More than two dozen special sessions or tours were scheduled throughout the day, including "Inside Your Mouth: How Do You Sound, What Do You See?," by Dr. Barbara Sonies of the speech-language pathology section of the Clinical Center's rehabilitation medicine department; "The Developing Chick Embryo Lab Tour," by Dr. Michael Donovan of the National Institute of Neurological Disorders and Stroke; "Oral Bacteria Collection," by the National Institute of Dental and Craniofacial Research; American Sign Language workshop by the Office of Equal Opportunity; "Tour of the Brain," a brain-imaging demonstration by the National Institute of Alcohol Abuse and Alcoholism; "DNA Detective—See, Touch and 'Spool' Real DNA," by the National Human Genome Research Institute; a tour and video viewing of the Children's Inn at NIH; and crime prevention, fingerprinting and K-9 demonstrations by the Division of Public Safety's crime prevention, fire prevention and police branches. NIH'ers used the day to encourage children to consider careers in medical research and the fields that support it.

Phlebotomist Matthew Corley demonstrates blood drawing techniques. Disembodied arm in foreground is only a model limb.



Dr. Gregory Zirzow, an NINDS biologist for 26 years, instructs guests at "Dissection Day" in the NIH Visitor Information Center's Little Theater during Take Your Child to Work activities. Below, Zirzow and his daughters (from l) Sarah, Amanda and Ashley explore the wonders of cow eyeballs and sheep brains and kidneys. "It was great fun," Zirzow reports, "except the kids did not like the smell of formaldehyde."



NIH's Visitor Information Center saw a steady stream of customers for its lab techniques demo.





Dr. Cheryl Kitt, NINDS program director for pain, neuroendocrinology and neurotoxicology, set up "Know Your Brain," a demonstration that examined a variety of brain images on computer, via microscope and other diagnostic scans in the institute's Bldg. 31 conference room. She says she also takes her hands-on exhibit to local schools to promote medical research and to show the benefits of research using animals. Shown clutching a magnifying glass in between Kitt's daughter Jillian and son Peter, is neurologist-in-training Jamesha Vail-Pardlow. Below, L'monte Vail-Pardlow, who



accompanied his sister and mom, Nikisha Vail of NIH's Office of Equal Opportunity, took up residence at the microscope in Kitt's display.



Ultrasonographer Mary Bradford (c) shows visitors to the Clinical Center's radiology department how to scan a volunteer's kidney.



In the Medical Arts and Photography Branch of NIH's Office of Research Services, Gil Jones and Joy Jackson give a tour of the audio/video facilities. Below, Medical Illustrator Howard Bartner shares some of his work with the tour group.



PHOTOS: ERNIE BRANSON AND CARLA GARNETT

Lauren Long of NCI's Pediatric Oncology Branch helps son Aaron view sample slides at the "Know Your Brain" display.



NICHD's Pat Gallahan Says Farewell

By Robert Bock

After 35 years of federal service, NICHD's Patricia Anne Gallahan has retired. Most recently a program analyst in the institute's Office of Science Policy, Analysis and Communication, she joined NICHD about 2½ years ago.

"Pat has really been a strong addition to our staff," said her most recent supervisor, Mona Rowe. "She was an extremely hard worker and a perfectionist—I could always count on her to do an outstanding job under a short deadline."

Rowe added, however, that Gallahan's greatest attribute is, perhaps, not her professional strengths, but her thoughtfulness.

"She always lets you know when she's thinking about you," Rowe said. "She even called for Secretaries' Day. She'd leave notes of concern and thanks for everything, and she would be there for everyone."

Gallahan began her NIH career at NCI, in the Clinical Oncology Program, in what was then the Division of Cancer Treatment, where she helped develop the NIH Delegated Procurement System. In 1981, she became a program analyst in the division's administrative office, where she was instrumental in developing NCI's first Clerical Development Program.

"Supervisors learn from their employees," said NHLBI Executive Officer Donald Christoferson, one of Gallahan's supervisors from NCI. "I learned from Pat never to

forget the human element in getting a job done, that employees need feedback and support."

Christoferson also said that Gallahan is a really good friend whom he could confide in and count on to provide the best advice in a supportive way.

In 1985-1986, she became an intern in the first DHHS Women's Management Training Initiative Program, where she undertook several rotations throughout the agency. In 1986, she joined the staff at NIAID, where she helped establish the AIDS Research Program and remained with the institute for the next 10 years. In 1985, she undertook a detail with the NIH Office of the Director, to assist with implementation of NIH's centennial observance.

She joined NICHD in 1996, helping develop new systems for the institute's formal planning process and serving as project officer for the institute's first logistical support contract.

Her retirement plans include a change of residence and living arrangements.

"I've always planned on retiring at 55, but never planned on retiring, moving, and getting married all at once—and certainly never planned on marrying my high school sweetheart," she said.

Gallahan spoke to fiancé David Williams for the

first time in 31 years when she was calling alumni from her high school to find out if they were attending a reunion. The two met, talked for awhile and "the rest," Gallahan said, "is history."

Gallahan also hopes to spend time exploring National Parks, creating jewelry and beadwork, pursuing her interest in rocks and minerals, and initiating a Canadian War Orphans' organization to help the children of World War II veterans who died in action learn more about their deceased parent.

"I've made sure I'm retiring while I still have the 'zip' to 'zip' and excitement in what tomorrow may bring," she said. "And I swear I'll never wear a business suit or pumps again." ■



Pat Gallahan retires after 35 years of federal service.

BIG Sponsors Career Seminar, June 10

The young adult resource development (YARD) committee of the NIH chapter of Blacks in Government will sponsor its first 1999 career development seminar on Thursday, June 10. The seminar entitled, "Marketing Your Skills and Dressing for Success in the Workplace," will be held from 11:30 a.m. to 1 p.m. in the Natcher Bldg., balconies B and C. Guest speakers will be Sheila Monroe of YARD and Brian G. Easley, career counselor/trainer for the NIH Work and Family Life Center.

The YARD committee is responsible for developing programs that address the needs and opportunities for young adults at NIH. To fulfill this responsibility, it sponsors activities to: attract young adults to scientific and professional positions at NIH; develop and enhance mentoring programs for youth; enhance communication and leadership skills of students and young employees; and strengthen relationships among generations. BIG encourages all NIH students and young adult employees to take advantage of this seminar. All NIH employees are invited to attend all BIG activities. For more information, contact Felecia Taylor, YARD chair, at 594-2463.

See 'Queen of Soul' at Wolf Trap

The R&W has tickets for Aretha Franklin at Wolf Trap, Tuesday, June 22, at 8 p.m. To reserve these in-house seats at \$31 each, call 496-6061. ■

NINDS's Irwin Kopin Retires

Dr. Irwin "Irv" J. Kopin, chief of NINDS's Clinical Neuroscience Branch, retired recently, after a long and distinguished career spanning more than 40 years during which he touched many lives.

He began his NIH career as research assistant in the Laboratory of Clinical Science at NIMH in 1957. Over the next 10 years, he published more than 85 peer-reviewed manuscripts, dealing largely with the disposition and metabolism of catecholamines. After a brief period in New York, he returned to NIMH, where he headed the Laboratory of Clinical Science with distinction until 1983. He was then appointed NINDS scientific director, a post he held for more than a decade. Subsequently he headed the Clinical Neuroscience Branch for several years.

Throughout his career, Kopin demonstrated an unstinting commitment to the mission of NIH and more generally to advancing medical scientific knowledge. He has served on numerous committees, won several medals and awards, participated on many scientific advisory boards, and served as a

coeditor or an editorial board member for more than 20 scientific journals.

To date, he has authored or coauthored more than 700 articles, reviews and book chapters that together constitute a major part of current scientific knowledge about catecholamines. His collaborations with many of today's leaders in the field of catecholamine research have provided



Dr. Irwin "Irv" J. Kopin

the growing points that have shaped the direction of much of present-day research into catecholaminergic systems.

Perhaps more importantly, he has been a mentor and role model for scores of postdoctoral researchers, many of whom now occupy key positions in academic medicine or the pharmaceutical industry.

To celebrate Kopin's retirement, an extraordinarily diverse group of former fellows, colleagues, administrators, family and friends met at a dinner in his honor at the National Naval Medical Center. There, Dr. Story Landis, NINDS scientific director, congratulated Kopin and noted that the institute will continue to benefit from his experience and mentorship as a scientist emeritus in the independent clinical neurochemistry section headed by Dr. David S. Goldstein. Drs. Mark Hallett and Harold Gainer, directors of the NINDS clinical and basic neurosciences programs respectively, provided vignettes about the "neuroscience triumvirate" that led

NINDS for a decade, with Kopin at the helm. Goldstein jokingly demonstrated a bit of "Irwinian logic," applying calculus equations to calculate the flux and maximum number of attendees in the room. He also presented Kopin a caricature Goldstein drew himself. Finally, in a moving tribute, Dr. Alan Kopin referred to his father as both a caring parent and a supportive scientific advisor. ■



The footprint of the new Mark O. Hatfield Clinical Research Center is becoming more apparent as work progresses on the site of NIH's future hospital. Above, a drilling rig bores a caisson in the foreground, as the base of tower crane #1 looms at right. Three more cranes will be erected in coming months. The squares in the background surround caissons that will support the weight of the building. Below, the footprint of the western side of the CRC is emerging from the dirt. At upper left, the new building utility tunnel creeps into view. At lower left, the two square cyclotron chambers in front of Bldg. 10 have been exposed; beams will span over them to protect access to their top hatches, and thick concrete will shield the CRC from radiation.



**National
Symphony
Orchestra
Presents
'The Planets,'
July 10**

Enjoy a stellar screening of rare NASA footage with new film from recent expeditions to Mars, Jupiter and Saturn as the music of Holst's *The Planets* transports you to outer space. The show is at Wolf Trap on Saturday, July 10, 8:30 p.m. Rear orchestra seats are \$24.50 each at the R&W; call 496-6061 for details.

Ceremony To Honor Memory of NICHD's Berendes

The friends, family and colleagues of Dr. Heinz Berendes will hold a celebration of the life of the late NICHD epidemiologist on Friday, June 18 at 3:30 p.m. in Lipsett Amphitheatre, Bldg. 10. Berendes, who had a nearly 39-year career with NIH, died of prostate cancer May 6 at the age of 74.

"Dr. Berendes was an accomplished pediatrician, epidemiologist and researcher who made extremely important contributions to NICHD's programs in infant research as well as contraceptive safety and efficacy," said NICHD director Dr. Duane Alexander.

"He was a good friend and colleague and I relied on him a great deal. We shall miss him."

Berendes was director of NICHD's Division of Epidemiology, Statistics, and Prevention Research from 1991 through 1998 and was also an adjunct professor in the Johns Hopkins University School of Hygiene and Public Health. Before joining NICHD, he directed the Collaborative Perinatal Project, the largest study of pregnancy, labor and delivery in U.S. history.

"This landmark study produced hundreds of major research papers," said Dr. James L. Mills, chief of NICHD's pediatric epidemiology section. "After 40 years, it is still an important source of data for research in pregnancy and child development."

From 1972 to 1979, Berendes directed the activities of NICHD's Contraceptive Evaluation Branch. During this time, his group fostered research that demonstrated the safety of many modern contraceptives and identified some of the important side effects of contraceptive use.

Born in Dortmund, Germany, he received his medical degree from the University of Goettingen, where he also studied clinical psychology. In 1952, he received a doctor of medicine from the University of Munich. During the early 1950's, he practiced child psychiatry at the University of Goettingen and the University of Heidelberg. He immigrated to this country in 1953 and became a naturalized citizen in 1959.

After coming to the U.S., he undertook his internship and residency at the University of Minnesota Hospitals in Minneapolis. He also served as an assistant professor in the department of pediatrics at the University of Minnesota, and was in charge of



Dr. Heinz Berendes

the pediatric outpatient clinic at the University of Minnesota Hospitals. In 1972, he received a master's degree in epidemiology from Johns Hopkins University.

Berendes began his NIH career in 1960 as assistant director of collaborative research at the National Institute of Neurological Diseases and Blindness (now NINDS) and later served as chief of the NINDS Perinatal Research Branch. He joined NICHD in 1973 as acting chief of the Fertility Regulating Methods Evaluation Branch in the Center for Population Research, and in 1974 became chief of the center's Contraceptive Evaluation Branch.

In 1979, he became director of the institute's Epidemiology and Biometry Research Program. He held this position until 1987, when he became associate director for prevention research, and later that year, director of the Prevention Research Program.

He was an expert skier who served on the ski patrol of his native Germany. He was also an enthusiastic distance runner.

Berendes is survived by his wife, Dr. Michelle Forman of NCI, and their son, David; by two children from a prior marriage, Christoph Berendes and Andrea Harmer; and by two grandchildren. ■

Be an NCI Cancer Prevention Fellow

Cancer Prevention Fellowship Program (CPFP) trains physicians and postdoctoral scientists in the field of cancer prevention and control.

CPFP includes:

- Master of Public Health degree
- Cancer Prevention and Control Summer Academic Course
- Mentored research at the NCI
- Brief field assignments at other institutions

For more information:

Cancer Prevention Fellowship Program
National Cancer Institute
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Health Center Coming to Executive Blvd.

A new health center is planned for Executive Boulevard. By the fall of 2000, a 12,000-square-foot facility will open with basketball courts that can be converted for volleyball or other indoor activities. In addition to aerobics and weight lifting, there will be approximately five step machines and treadmills, four lifecycles, three recumbent lifecycles, two rowing machines and numerous dumbbells, benches, cable crossovers and free weights for the clientele. A separate room will be provided for aerobics with lessons taught by qualified instructors. Also, classes will be held on nutrition and other health improvement topics. The new facility will also sport one standard size racquetball court. Separate showers and lockers will be provided for women and men; each will contain eight showers.

The Division of Space and Facility Management, ORS, teamed up with the exercise subcommittee of NIH's worksite health promotion committee to develop the concept and specifications for this project. The justification was based on several surveys and research data reviewed by the team. Comparisons were made with other agencies that had similar facilities and revealed that NIH fell short on the amount of space allocated to this type of activity. With occupancy of the Neuroscience Center Bldg. earlier this year, NIH now employs approximately 4,000 staff on the boulevard. Some of these workers were asked to identify what they wanted to see in the new health facility. The amenities being planned are a result of their answers. The NIH Recreation and Welfare Association will manage the health center once it is built. The *NIH Record* will announce the opening date of the new center. ■

Employees and visitors gathered on the lawn in front of Bldg. 1 May 6 for the fourth annual National Day of Prayer. The observance was sponsored by the Noontime Christian Fellowship. Featured speaker was former Orioles baseball player Pat Kelly (rear, third from l), now with Lifeline Ministries of Ellicott City, Md. Among those participating were (rear, from l) Reginald Britton, Wayne French and Mary Palsgrove. In front are (from l) Sandy Cain, Crystal James and Karen Wayns.



DWD Training Tips

The Division of Workforce Development, OHRM, will offer the courses listed below. Hands-on, self-study, personal computer training courses are available through DWD's User Resource Center at no cost to NIH employees. For details, visit DWD online at <http://trainingcenter.od.nih.gov/or> call 496-6211.

<i>Management, Supervisory & Professional Development</i>	
Managing Conflict: Solving Problems at Work	7/12
Winning Negotiations	7/14
Assertive Leadership	7/15
Budget Formulation	7/19
<i>Administrative Systems</i>	
Introduction to Property Management	7/6
Domestic Travel	7/19
Basic Time & Attendance Using ITAS	7/20
<i>Administrative Skills Development</i>	
Reviewing Math Skills	7/8
Time Management Techniques	7/12
<i>Career Transition</i>	
NIH Retirement Seminar FERS	7/13
Federal Resumé Writing	7/19
Addressing KSAs and the Federal Rating Process	7/19
<i>Communication Skills</i>	
Effective Writing I	7/12
Effective Listening & Memory Development	7/20
<i>Human Resource Management</i>	
Introduction to Human Resource Management	7/12
<i>Computer Applications and Concepts</i>	
Introduction to Internet	7/7
Intermediate Internet	7/7
Tango: Use It!	7/12
Intermediate MS PowerPoint 97-Office 97	7/12
Intermediate MS Access 7.0 - Office 95	7/13
Windows Intermediate: Customizing Your System	7/13
Introduction to Web Page Design - HTML	7/14
Desktop Publishing with Corel WordPerfect	7/14
Intermediate MS Access 97 - Office 97	7/19
Programming Basic for MS Access 97 - Office 97	7/19
Print Production with Adobe PhotoShop 4.0 - Mac	7/20

On-Campus Work Center Open for Business

The On-Campus Work Center, a resource available to all NIH employees, is a place to work away from your office. All you have to do is sign in. Employees can go there before, between, or after meetings or conferences to use a computer, make a telephone call, log-in to email, or send a fax. It is designed for short-term use, as needed by staff.

Located in Bldg. 31, Rm. 1A1E-09 (next to the cafeteria), the center is open daily from 8 a.m. to 5 p.m. It features three PCs, two Macs, and two phone plugs for laptops (two of the computers, one PC and one Mac, are wheelchair accessible). There are also telephones, five workstations and a fax/copier machine. And, of course, it's free. ■

Study of Donors Needs Vols

Fifteen male volunteers over age 40 are needed for a study to assess the effects of donating blood on prevention of heart disease. Participants should have donated blood one or fewer times in each of the last 5 years, and given less than 15 units in their lifetime. Blood studies and a carotid ultrasound will be done. Two outpatient visits are required; pay is unavailable. For more information or to participate call Xin Fu, 402-4482.

Camp Fantastic BBQ, June 15

The annual R&W Camp Fantastic Barbecue will be held Tuesday, June 15 from 11:30 a.m. to 1:30 p.m. on the Bldg. 31 patio, rain or shine. Lunch will be provided by Outback Steakhouse. If you can't attend the lunch (limited to 500 meals), you may support Camp Fantastic by purchasing a raffle ticket before or during the event. For ticket information call 496-6061.

'Topping Out' Milestone for Bldg. 50



Bldg. 50 Project Officer Frank Kutlak (above) proudly displays commemorative T-shirt marking the "topping out" of what will be known as the Louis Stokes Laboratories. The ceremony May 13 coincided with the end of the major concrete frame construction on the building. "The basic frame of the building is now complete," said Kutlak, adding, "I'm having fun—I feel sort of like the father of the bride." The entire workforce of some 200 builders (below) was invited to a picnic to celebrate this milestone; workers got a catered lunch, cake and T-shirts. Bldg. 50 is scheduled to be complete in October 2000, with occupancy scheduled late that fall, or early 2001.



Kirschstein Accepts Honorary Doctorates

NIH deputy director Dr. Ruth Kirschstein was honored May 31 with a doctorate *honoris causa* at the 231st annual commencement exercises at Brown University. The board of fellows at Brown recognized her "distinguished career, accomplishments, and contributions to science and health care."

Last spring, the University of Rochester School of Medicine conferred upon Kirschstein an honorary doctor of science degree recognizing her "distinguished career as a scientist, researcher and physician," and her service at NIH. Kirschstein briefly addressed the M.D. graduates at that commencement. ■

DWD Has New Course Offerings

The University of Maryland University College's Graduate School of Management & Technology, in partnership with the NIH Division of Workforce Development, is offering graduate business courses at the Training Center at Executive Plaza South. The courses fulfill requirements for UMUC's master of science in management degree. Courses will be offered either online through the NIH Integrated Training System or instructor-led. Program begins in October; prerequisite course "Library Skills for the Information Age" is available online. Call DWD, 496-6211, for more information. ■

Wednesday Afternoon Lectures

The Wednesday Afternoon Lecture series—held (usually) on its namesake day at 3 p.m. in Masur Auditorium, Bldg. 10—features a special Monday lecture June 7 when Dr. Joseph S. Takahashi speaks on "Molecular Genetics of Circadian Clocks in Mammals." He is an HHMI investigator and Walter and Mary E. Glass professor in the life sciences, department of neurobiology and physiology, Northwestern University.

On June 9, from 1:30 to 3 p.m., the General Motors Cancer Research Foundation will hold its 1999 annual scientific conference featuring laureates' lectures by winners of the GM Sloan, Kettering and Mott Prizes for Cancer Research.

On June 16, Dr. Scott D. Emr, professor, division of cellular and molecular medicine, and HHMI investigator in the department of biology, University of California School of Medicine, La Jolla, will discuss, "Links Between Cell Signaling, Membrane Trafficking and Tumor Progression."

For more information or for reasonable accommodation, call Hilda Madine, 594-5595.