

"Still
The Second
Best Thing
About Payday"

The NIH Record

NHLBI Helps Minority Researchers Find Careers

To forge a research career, young investigators need to learn more than biomedicine. They also need to learn about the infrastructure of science.

That's particularly true for minority investigators who often encounter special hurdles on the path to a research career.

To help minority scientists acquire this knowledge, NHLBI held a 2-day crash course on the realities of life as a bio-



NHLBI workshop speakers included (from l) PHS acting surgeon general Dr. Audrey F. Manley, NHLBI director Dr. Claude Lenfant, and former DHHS secretary Dr. Louis Sullivan.

medical researcher. Called "Pathways to Research Careers: Planning Your Next Move," the workshop was a how-to primer on such topics as getting a mentor, balancing career demands, understanding the grant review process, securing NHLBI support, and finding non-NIH funding sources.

Further, the 120 young attendees got to ask questions of NHLBI and other scientists and hear from such leading figures as former DHHS secretary Dr. Louis Sullivan and PHS acting surgeon general Dr. Audrey F. Manley.

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Children's Inn Holds 5th Birthday Breakfast

As a thank you for their support, NIH'ers are invited to a Fifth Birthday Breakfast at the Children's Inn on Tuesday, July 11. To attend the 7:30 a.m. or 8:30 a.m. seating, pick up an invitation at the R&W store in Bldg. 31, Rm. B1W30. Because seating is limited, you need an invitation to attend. Call 6-4600 to reserve an invitation.

'Hacker' Pleads Guilty

Former Employee Compromises Computer System

By Carla Garnett

It started simply, really. Last October, two supervisors in the Chemical Synthesis and Analysis Laboratory (CSAL), part of NCI's contract facilities at the Frederick Cancer Research and Development Center (FCRDC) in Ft. Detrick, Md., received an anonymous fax. Written in all capital letters, the subject line alone was provocative, "Your computer security is not worth \$0.02." The body of the message continued to ridicule CSAL's system. "Thank you very much for the password file! You can be sure that this file has been posted to all the relevant hacker bulletin boards around the country, along with the information on how to get into your systems in the first place. You can drive a tank through the holes in your security! My 12 year old could set up better security!!!! HAHAHAAAAHA" The fax then listed a dozen or so more lines of CSAL employee names and scrambled versions of the workers' corresponding passwords.

CSAL's \$100,000 workstation network, which is used primarily to conduct nuclear magnetic resonance (NMR) testing and test results analysis, had been breached, however slightly. There was enough potential for extensive damage for CSAL, working with NCI officials and information systems security officers from NIH's Office of Information Resources Management, to launch an extensive computer crackdown. That effort cost several thousand dollars in time and salaries and included a 7-month FBI investigation, which led officials on a merry computer chase from a local Staples store to a New York computer network and back to Frederick. The events in the case—which ended in mid-May with the guilty plea, conviction and sentencing of a former CSAL engineer—read a little like a dimestore novel.

Just the Fax

Shortly after the faxed message was received by CSAL supervisors Drs. Gary

(See COMPUTER HACKER, Page 4)



NCI gets ready to participate in the Race for the Cure for breast cancer; with the help of two bus drivers (l), NCI acting director Dr. Edward Sondik and Dr. Susan Sieber place a banner on one of the three buses filled with NCI staff, family, and friends who publicly expressed their support for breast cancer research by participating in the race in Washington, D.C., on June 17. Metro's weekend hours didn't begin early enough to get participants to the event, so Sieber, deputy director of NCI's Division of Cancer Etiology, arranged for bus transportation from the NIH campus. More than 250 NIH'ers participated in the race, almost half of them from NCI, according to Peggy Brandenburg of NIH's Visitor Information Center, who organized NIH's race registration.

The NIH Life Sciences Education Connection



How do you become a research scientist? Students at NIH this summer, or anyone else interested in this topic, are invited to a workshop exploring different educational pathways leading to a research career. The workshop, titled "How to Become a Member of the Next Generation of Biomedical Scientists," will be held July 10 at 10 a.m. in Lipsett Amphitheater, Bldg. 10. The moderator will be Dr. Michael Fordis, director of the NIH Office of Education. The discussion will address the graduate school option, clinical research careers, the physician in the basic research laboratory, and the M.D./Ph.D. option. Panelists will be Dr. Arlyn Garcia Perez of NHLBI, Dr. Griffin Rodgers of NIDDK, Dr. Jeffrey Sich of Washington University, Dr. Carter Van Waes of NIDCD, and Dr. Ava Wu of NIDR. For more information, contact Debbie Cohen, 2-2176.

The Office of Research on Women's Health "Scientists' Network," a brown bag lunch series, begins July 26. Each lunch will feature two scientists who will share their experiences and lead a discussion on issues that particularly affect young women scientists such as career advancement and balancing work and family.

The luncheon series is designed to help establish a network for scientists and

provide opportunities for them to discuss problems they are encountering and possible solutions. Participants will be encouraged to keep in touch with one another after they leave the NIH campus.

On July 26, Drs. Hynda Kleinman and Edith Miles will talk on "Visibility." On Aug. 2, Drs. Marion Zatz and Joan Schwartz will discuss "Networking." On Aug. 9, Catherine Ribaldo and Dr. Randall Ribaldo will talk on "Gender Issues."

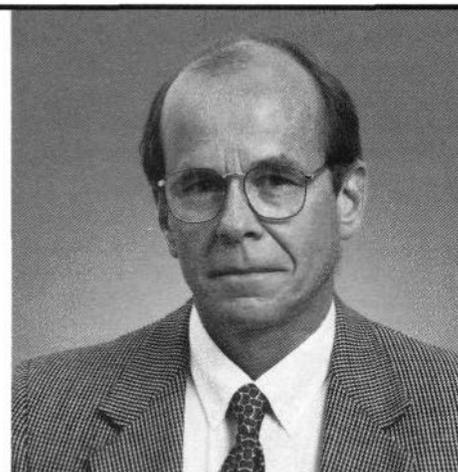
The series will take place in the exhibit area outside of the Little Theater on the B1 level of the Clinical Center from noon until 1 p.m. For more information, contact Gloria Seelman, 6-0608. □

Changes to PUBnet Service

PUBnet, the NIH Public Network long used by many on the NIH campus, has been updated as of June 29; changes have been made to the file structure and the name of the PUBnet servers for both Macintosh and Windows services.

PUBnet is a collection of networked services that offer information distribution, software distribution, and CD-ROM access. If you use these resources, refer to the article in the latest *PCBriefs* for specific instructions. The *PCBriefs* newsletter is available online and in hard copy. Inquiries can be phoned to DCRT's central point of contact, 4-DCRT, or emailed to 4DCRT@nih.gov.

The new PUBnet is now accessible on the WWW browser at the URL: <http://pubnet.nih.gov>. □



Dr. K. Barry Sharpless, an NIGMS grantee for the last 20 years, recently was awarded the 1995 King Faisal International Prize for Science. The award, given by the King Faisal Foundation, recognizes scientists whose work broadens scientific knowledge and has practical benefits. Sharpless was honored for his methods to synthesize large quantities of molecules in a single spatial orientation, which make it feasible to eliminate unwanted—and possible harmful—component of drugs. Sharpless, the W.M. Keck professor of chemistry at Scripps Research Institute in La Jolla, Calif., received the award, a gold medal, and \$200,000 at a ceremony in Riyadh, Saudi Arabia.

The NIH Record

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DES Poses No Risk to Fertility of Exposed Sons

DES (diethylstilbestrol) given to mothers in pregnancy does not seem to affect the fertility of their sons, according to a new study by researchers at NIEHS and published in the May 25 *New England Journal of Medicine*.

DES is a synthetic estrogen that was prescribed to at least 2 million pregnant women in the late 1940's and 1950's. The drug was intended to prevent miscarriage and other problems during pregnancy. DES was later discovered to cause a rare form of cancer in exposed daughters. More commonly, it causes infertility, miscarriage and preterm delivery in the daughters. According to animal studies, DES can also produce infertility in males, but no large-scale human studies of DES sons have been carried out.

In this study, researchers interviewed nearly 500 men born in the early 1950's. Half of the men had been exposed to high doses of DES during their mother's pregnancy. These men were asked about the number of children they had fathered and other aspects of their reproductive history. Wives of the sons were asked further details about possible problems getting pregnant.

"We were surprised to find zero evidence of fertility problems in the exposed sons," said Dr. Allen Wilcox, lead investigator on the study. "Some DES sons have minor malformations of their reproductive organs, but there seems to be no problem with their ability to father children." This is reassuring news for the million or more U.S. men with DES exposure who are now of reproductive age.

The NIH Record reserves the right to make corrections, changes, or deletions in submitted copy in conformity with the policies of the paper and HHS.

FAES Announces Fall Classes

The FAES Graduate School at NIH announces the schedule of courses for the fall semester. The evening classes, sponsored by the Foundation for Advanced Education in the Sciences, will be given on the NIH campus.

Tuition is \$75 per credit hour, and courses may be taken for credit or audit. Courses that qualify for institute support as training should be cleared with the supervisors and administrative officers as soon as possible. Both the vendor's copy of the training form and the FAES registration card must be submitted at the time of registration.

Courses are offered in biochemistry, biology, biotechnology, chemistry, immunology, languages, medicine, microbiology, pharmacology, psychology, psychiatry, statistics, toxicology, administration and courses of general interest.

It is often possible to transfer credits earned to other institutions for degree work, and many courses are approved for AMA category I credit.

Classes will begin Sept. 18, mail registration ends Aug. 4, and walk-in registration will be held from Sept. 6 through 12. Fall catalogs are available in the Graduate School office in Bldg. 60, Suite 230, the Foundation Bookstore, Bldg. 10, Rm. B1L101 and the Business Office in Bldg. 10, Rm. B1C18. To have a catalog sent, call 6-7977. □

Coupon Swap Meet Set

The NIH chapter of the Sons of Italy has scheduled a coupon exchange night for Wednesday, July 26 at 7:30 at EPN Bldg., 6130 Executive Blvd., in Conf. Rm. J. The chapter sells these books to raise funds. This is an opportunity to get more of your favorite coupons and get rid of the ones you don't use. Bring your Entertainment Discount coupons and be ready for trading. All are welcome to attend. For more information, call Nina, (301) 869-4045, after 6 p.m.

The chapter's trustees will gather earlier that night (6 p.m.) for a dinner meeting at Bella Napoli, 121 Congressional Ln., Rockville. Chapter members are welcome to attend. □

Sailing Club Open House

Free food, drink and sailboat rides, Saturday, July 8, from 10 a.m. to 4 p.m. at Selby Bay on the Chesapeake for NIH'ers, NOAA'ers, R&W members, families and friends. Pick up a leaflet at any R&W Activities Desk or call Tom Murphy, 262-8574 (h), 405-1874 (w). □

Miller Named Chief of NIAID Laboratory

Dr. Louis H. Miller has been named chief of NIAID's Laboratory of Parasitic Diseases. Since 1992, he has been chief of NIAID's Laboratory of Malaria Research, which is merging with the Laboratory of Parasitic Diseases. He is replacing Dr. Franklin A. Neva, who after 25 years as chief of LPD plans to focus on his own research projects in clinical parasitology and on his role as director of NIAID's Intramural Center for Tropical Disease Research.

NIAID director Dr. Anthony S. Fauci said, "I am pleased to announce the formation of an expanded Laboratory of Parasitic Diseases. Dr. Neva has provided outstanding direction to LPD. It is through his dedication and scientific management that the laboratory became the largest, most effective and productive laboratory in the world for the study of parasitic and tropical diseases.



Dr. Louis Miller

"I am confident that under Dr. Miller's leadership LPD will retain its stature as one of the preeminent research laboratories in the field of parasitic diseases research," said Fauci.

Miller joined NIAID in 1971 and served as chief of the malaria section in LPD until the section was elevated to a laboratory in 1992. His accomplishments in malaria research have been widely recognized, as exemplified by his election to the National Academy of Sciences in 1990 and to the Institute of Medicine in 1991.

His awards include the HHS Distinguished Service Award and the Paul-Ehrlich and Ludwig-Darmstaedter Prize. He served as president of the American Society for Tropical Medicine and Hygiene, and as an advisor to the scientific and technical advisory committee for the Tropical Disease Research Program of the World Health Organization.

A native of Baltimore, Miller received his bachelor's degree from Haverford College in Pennsylvania in 1956, his medical degree from Washington University in St. Louis in 1960, and his master's degree in parasitology from Columbia University in 1964. □



NIEHS RECOGNIZED FOR BONE MARROW DRIVE—B.T. Williams (second from r), pheresis/bone marrow consultant with the American Red Cross, presents a plaque in recognition of the NIEHS bone marrow drive held earlier this year. NIEHS was the first federal agency in Research Triangle Park, N.C., to sponsor a bone marrow donor drive. The drive registered 14 men and 28 women as possible donors. Receiving the plaque on behalf of the institute are (from l) Dr. Marian Johnson-Thompson, director, Office of Institutional Development; Veronica Godfrey, Blacks in Government representative; Dr. Kenneth Olden, NIEHS director; and Charles E. Leasure, NIEHS associate director for management.

COMPUTER HACKER (Continued from Page 1)

Muschik and Bruce Hilton on Thursday, Oct. 13, Stephen Karwoski, manager and systems security officer of the Frederick Biomedical Supercomputing Center (FBSC) at FCRDC, was notified. Already they suspected who might be flirting with the system: In April 1994, CSAL Engineer Frank DiGennaro had "separated from the company," Karwoski said. As was routine after a worker leaves FCRDC employment, FBSC and CSAL employees closed DiGennaro's computer accounts, disabling his access to the systems. For several days following the engineer's departure, however, lab workers noticed some unusual system mischief. Apparently some research data had been accessed from a remote computer and erased from a CSAL workstation's CD-ROM archive. At a cost of about \$1,200, CSAL was able to recover the missing information—several months worth of research—via the archive's manufacturer, but the coincidence of DiGennaro's departure, his knowledge of the system and the timing of the data erasure was not as easily forgotten.

When the mysterious fax arrived, addressed to DiGennaro's former supervisors, suspicion again shifted to the ex-employee.

"We had an idea who it might be," Karwoski said, "but we had no proof."

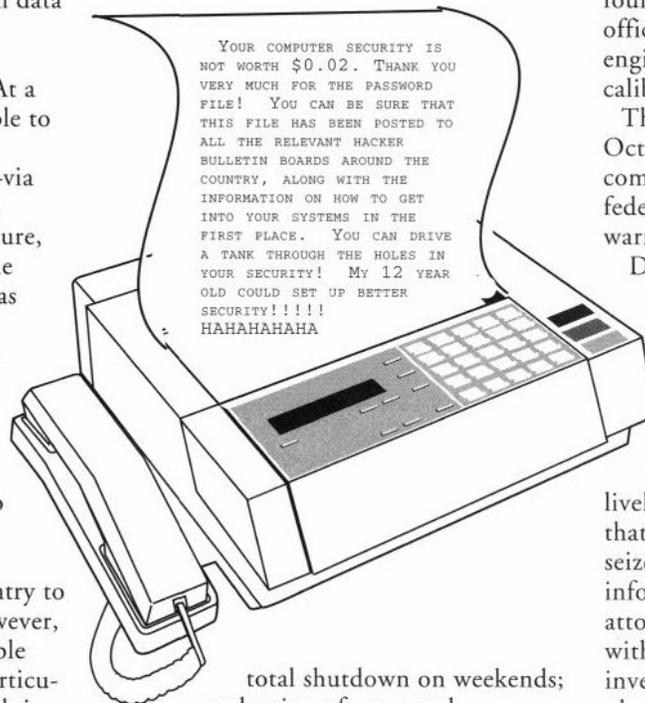
By itself, the list of scrambled passwords could not really allow entry to CSAL's system, he explained. However, with the use of some readily available password cracking software—in particular a program called CRACK, which is offered free on the Internet—a determined and patient hacker might eventually unscramble the passwords.

On Friday, Oct. 14, CSAL officials were advised to step up security measures by changing passwords, blocking access to the system during unstaffed time periods and carefully examining the network. The examination revealed some unusual activity including missing log files dated Oct. 8-13, repeated login failures from the University of Kansas and several additional system vulnerabilities. The compromised system was shut down for the weekend and a more detailed analysis of CSAL's network was begun.

By Monday afternoon, another fax—including the list of names and newly updated passwords—had been received.

The taunting tone of the missive was the same: "Come on now! You guys have to try harder than this! Did you honestly think that by blocking out sync and giving mcgregor a password that you would keep me out? Did you honestly think that mcgregors [sic] blank password was the security problem? Now if you are not going to even ATTEMPT to keep me out, it will be only YOU who will be responsible for the consequences. Now come on, lets [sic] play the game! HAHAAHAHA!!!!!"

More drastic security measures were implemented, including more password alterations, disconnection of the system from the main FCRDC network from 5 p.m to 7:30 a.m. daily on weekdays and



total shutdown on weekends; evaluation of a network "firewall," which would provide additional control and filtered access to the system; and installation of network monitoring mechanisms. By Tuesday morning, the monitoring device had recorded transmission of CSAL password files to two Internet providers, "panix3.panix.com" in New York and "bigdog.fred.net" in Frederick. In addition, the origination point of the two faxes had been traced to a virtual dead end: a nearby Staples store that provides public fax transmittal services. Temporarily stymied without additional investigative authority, the CSAL and FBSC group felt the next step was to meet with representatives from NCI and to contact OIRM, the NIH office that handles "hackers" and other computer security nuisances and threats. The

group agreed that it was also time to involve law enforcement officials.

"One aspect that we were particularly concerned about," recalled Karwoski, "was access to the workstation that controls some very expensive NMR spectrometer components. By gaining access to that workstation, a hacker could possibly compromise research data and even damage the instrument."

The Hunt for 'fred' October

By Wednesday, Oct. 19 a few more attempts to download the password file were recorded. The search was narrowing, though: In two out of three tries the password file had been successfully transferred—both successes were traced to fred.net, an Internet provider service found to be operated from the home office of DiGennaro, a former CSAL engineer whose duties used to include calibrating CSAL's equipment.

The investigation was turned over on Oct. 24 to an FBI unit specializing in computer and electronic crimes against federal agencies. By early November, a warrant was obtained to search and seize

DiGennaro's computer resources for evidence of the CSAL intrusion. It was at that point, said OIRM's Rick Hargett, that DiGennaro agreed to plead guilty to a misdemeanor count of unauthorized access to a government computer.

"Apparently Mr. DiGennaro's livelihood is maintained on the system that FBI officials were intending to seize," Hargett explained. "According to information we received, he and his attorneys felt that his business could not withstand an indefinite shutdown while investigators searched for proof, so he pleaded guilty."

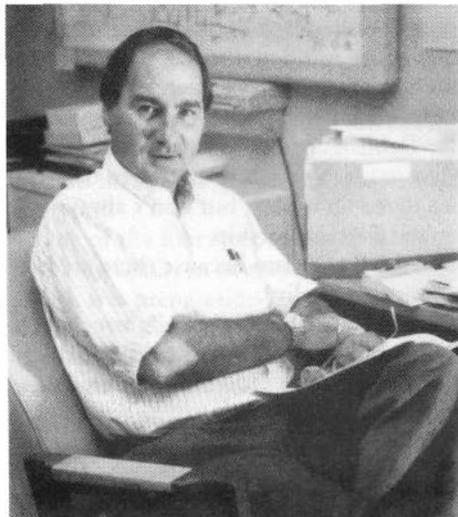
In the first NIH computer hacking case resulting in a conviction, DiGennaro was sentenced to a weekend in jail, 2 years probation, 200 hours of community service and a \$1,000 fine.

"We're happy with this type of conviction," Hargett said. "For all it cost us, in terms of staff hours and salaries expended—not to mention involvement of the FBI, the potential damage or loss of crucial research data and equipment, and the fact that he can continue to operate his 'frednet,'—the sentence seems light. FBI officials assured us, though, that should he ever be found guilty of this again, they'll be able to close the door on him."

Hargett and Karwoski both said this case should serve as a reminder to all NIH network users about the vulnerabil-

ity of federal computer systems, and its inevitable cost: "Truthfully, most government agencies are like sitting ducks," Hargett concluded. "A system is only as secure as the next person who finds a neat way to hack onto it."

"In every instance," Karwoski said, recalling other system intrusions, "we have not suffered any data loss. What's been expensive is the time that we spend trying to uncover and track down these incidents." □



Dr. Kenneth S. Korach, chief of the receptor biology section at NIEHS, appeared on the cover of the May 1 issue of Cancer Research. The article said: "Since joining the NIEHS in 1976, [Korach] has been investigating basic mechanisms of environmental estrogen action in the reproductive tract and bone tissues. During this time, he has studied the role of the estrogen receptor in mediating hormonal responsiveness during early development; described coupling of growth factor and nuclear receptor signaling pathways; investigated estrogen carcinogenesis and toxicity; and created mouse lines using transgenic technologies for evaluating the estrogen receptor in endocrine regulation and hormonal carcinogenesis."

Talk on Wound Healing

Wound healing will be the topic of the July 17 meeting of the skin diseases interagency coordinating committee. There will be a presentation entitled "Need for Guidelines for Clinical Care as Baseline for Clinical Studies." The speaker is Dr. Richard A.F. Clark, professor and chairman, department of dermatology, State University of New York at Stony Brook. The meeting will be held in Bldg. 31, Conf. Rm. 9, from 1:30 to 4 p.m. For more information, call Sharon Nouzari-Louis, 6-0801. □

DRG Adds Two Scientific Review Administrators

Shirley Hilden Joins Clinical Sciences Review Section

Dr. Shirley Hilden has been named scientific review administrator for the clinical sciences review section of the Division of Research Grants.

She earned a bachelor's degree in biology and chemistry at St. Olaf College, graduating *magna cum laude* with departmental honors, and a doctoral degree in biology from Stanford University.



She was an AWIS fellow in the department of zoology, Hokkaido University, Sapporo, Japan. Following her appointment as a postdoctoral fellow in pharmacology, University of Wisconsin, where she studied the function of NAK ATPase, she was a staff fellow until 1982 at the National Institute on Aging, where she studied renal transport. In 1983, she received a Fulbright fellowship at the University of Coimbra, Portugal, and was a research scientist in the department of physiology at Johns Hopkins University. Prior to joining DRG, Hilden was a research scientist in the division of nephrology at New England Medical Center, where she studied renal endosomes and membrane transporters as a coinvestigator on an NIH grant. She was also principal investigator on grants from the Department of the Navy and Baxter Health Care, where she studied the role of heat shock proteins in renal ischemia.

Hilden is the author of numerous publications and scientific articles and has received several honors and awards, including the American Association of University Women International Fellowship. She is a member of the American Society of Cell Biology, the Biophysical Society, American Women in Science, the New York Academy of Sciences, the American Association for the Advancement of Science, and Phi Beta Kappa.

David Simpson Appointed to Referral and Review Branch

Dr. David L. Simpson has joined the Referral and Review Branch, Division of Research Grants, as scientific review administrator of the new neurological

sciences-3 study section. Prior to coming to DRG, he was a special expert in the Laboratory of Neurobiology, NINDS. In that capacity he also trained in molecular biology in the Laboratory of Molecular Hematology, NHLBI.

His research at NIH has focused on "designer" cell lines and their selective modulation by oncogenes for purposes of implantation therapy in neurodegenerative diseases. He also developed potentially therapeutic methods to target retroviral vectors selectively to specific cell types for purposes of human gene transfer. Other investigations included techniques to open the blood-brain barrier selectively and transiently for gene or drug delivery.

Prior to coming to NIH, he was research associate professor of pathology, University of Pennsylvania, and before that he was assistant professor of biochemistry, Meharry Medical College in Nashville. He has also held senior research associate positions in the



department of biochemistry at UCLA and Langley Porter Neuropsychiatric Institute, University of California, San Francisco.

After earning his Ph.D. in biological chemistry in Dr. Eugene A.

Davidson's laboratory at Hershey Medical Center, Pennsylvania State University, he was awarded an Alfred P. Sloan postdoctoral fellowship to train in the department of psychiatry, division of neurosciences at the University of California, La Jolla.

As a glycoconjugate chemist, biochemist and cell biologist working in the neurosciences, Simpson has published more than 40 scientific articles, invited reviews and book chapters.

A native of Johnstown, Pa., he resides in Washington, D.C., where he is active in neighborhood and community developments. □

R&W Sponsors Tubing Trip

The R&W is sponsoring a tubing trip on Saturday, July 15. Trip includes a leisurely float down the Shenandoah River in an inflated inner-tube, then a steak dinner afterward. Contact the activities desk, 6-4600. □

CAREERS

(Continued from Page 1)

The workshop was the first ever held for graduate, postdoctoral, and faculty and staff participants of the NHLBI Research Supplements for Underrepresented Minorities program. Started in 1988, the program attracts underrepresented minorities to careers in biomedical and behavioral research by providing support until the scientists can earn independent research grants of their own. The program's support is given to principal investigators of NIH grants as supplemental funding. The program supports researchers from the high school through postdoctoral, staff, or faculty levels.

The workshop opened with welcomes from NHLBI director Dr. Claude Lenfant and Manley, who saluted NHLBI's efforts to increase the number of minority researchers in the biomedical and behavioral sciences. "These efforts prove that we can get positive results," she said.

She then saluted the young investigators, telling them minority researchers are crucial for improving the health of America's minorities.

That note was echoed in a stirring keynote speech delivered by former DHHS Secretary Sullivan, now president of the Morehouse School of Medicine in Atlanta. He praised the youthful researchers for their achievements but also challenged them to use their "courage, boldness, and leadership" to improve the health of Americans.

"The talent and genius of those of you in the room today will help guide biomedical research in the first half of the next century," he said.

He added that Lenfant and NHLBI exemplify what can be accomplished. NHLBI, he noted, is one of the most "hard-charging and innovative outfits at NIH." And he cited the institute's "high standard of service" in such efforts as its Stroke Belt Initiative.

"The institute," Sullivan said, "has been at the forefront of programmatic and biomedical research advances. And this morning, I am looking for similar leadership from each of you."

But he also reminded them of the joys of a scientific career. "With luck, you will encounter at least one surprise every day," he said. "In a year, that comes to a



A young investigator poses a question to NHLBI scientists.

sizable treasure and an enormous amount of fun."

The workshop then shifted gears from the motivational to the practical. Dr. Floyd Malveaux, chair of the department of microbiology in the College of Medicine at Howard University, got down to the nitty-gritty on how to forge a biomedical research career in academia.

Malveaux, who has been a researcher, teacher, clinician, and administrator, told the group that there is no simple pathway to prepare for a research career. But

whatever path they choose, he advised, young scientists should:

- ▶ Be careful not to serve on too many committees. Minority

investigators in particular, he noted, are often asked to serve on committees to represent their minority group and this can leave little time for research.

- ▶ Avoid volunteering for a heavy teaching load, which leaves too little time for research, keeping up with the literature, or developing research proposals. Stay focused on your research, he advised, and "publish, publish, publish."

- ▶ Attend professional meetings and be involved in the research community.

Several speakers then discussed the role of mentors in a young researcher's career. Dr. Amir Askari, chair of the department of pharmacology at the Medical College of Ohio in Toledo, confessed that at first he wondered what could be said except that "mentors have been around for centuries and it's a highly personal relationship."

But digging into the topic, he said, brought up so many complexities that he began to wonder if the job of being a mentor were even possible: A mentor

had to be an advisor, supporter, tutor, sponsor, and role model.

"And that's in general," he continued, adding that a mentor to a minority researcher bore even more responsibilities, such as protecting young scientists from a sometimes hostile environment, both in academia and in the larger society.

Dr. Shiriki Kumanyika, associate director of the Center for Biostatistics and Epidemiology at the College of Medicine at Pennsylvania State University in Hershey, also spoke of her experiences and described two mentors who helped shape her career. Both taught her such valuable career lessons as:

- ▶ Publish articles with titles that reflect areas in which you want to be considered an expert, but don't always demand first authorship.

- ▶ Allow criticism because there are no shortcuts to quality.

Dr. Lucile Adams-Campbell, associate professor in the division of cardiovascular disease at Howard University, offered advice on balancing competing time demands.

"As a member of a minority," she said, "you need to do more to be treated as an equal. But you also need to keep your focus on your research."

Her advice included:

- ▶ Set short- and long-term goals, such as publishing one article a year.

- ▶ Periodically evaluate yourself mentally, physically, and emotionally, and if necessary, adjust the demands on your time, such as committee memberships.

- ▶ Don't forget downtime.

Dr. Robert Colman, director of the Sol Sherry Thrombosis Research Center at Temple University in Philadelphia, discussed non-NIH sources of funding, including associations, foundations, and other groups, such as professional societies.

"These can't replace NIH support," he noted, "but they may supplement that funding."

The young researchers also attended sessions and received packets of materials describing pathways to independent research careers, types of NIH grants available, and tips on how to write and revise NIH grant applications.

The sessions proved lively, with the young researchers asking about a host of topics, including their next career move.

At the workshop's close, Lenfant pledged that NHLBI would "assist you as you move along in your careers." □

"As a member of a minority, you need to do more to be treated as an equal."

Diversity Initiative Seen Benefiting Workplace

The world is changing fast. Major demographic change is occurring in the work force. NIH as an organization, as well as individual employees, must keep pace with an evolving diverse workplace. In fact, NIH already has a substantially diverse work force; thus, an important task is to recognize, capitalize on, and value the talents, abilities and insight of all its workers.

Diversity focuses on valuing what each individual brings to the workplace. A goal of the Workplace Diversity Initiative (WDI), sponsored by the Office of Equal Opportunity, is to help NIH better accomplish its mission by educating management and employees to work toward maximizing the contributions of everyone.

One of the first steps initiated in FY 1995 by OEO, in conjunction with WDI, was preparation for a Diversity Congress. Planning for the congress is the responsibility of OEO staff and members of a diversity working group comprised of 17 NIH employees from advisory committees and employee organizations and advisors from various program areas. The group's mission is to develop recommendations and assist OEO in planning the agenda, structure and process for selecting attendees to the congress to be held Oct. 25-27, in Natcher Auditorium.

One of the major goals identified by Naomi Churchill, OEO director, is to bring about organizational change by

establishing the NIH-wide WDI. Under her leadership, OEO staff members Joan Brogan, O.H. Laster and Shirley Everest have been coordinating training for the diversity working group and other plans



Several OEO staffers and members of a working group to plan October's Diversity Congress met recently.

for the upcoming congress, a key event in implementing WDI.

The diversity working group selected cochairs at its first meeting: Jean Harris, Clinical Center; Jane Spencer, Office of the Director; and Helen Garton, National Library of Medicine. Dr. John Gallin, CC director, with the support of Kathryn Montgomery, associate director of the nursing department, demonstrated support of this initiative by detailing Harris, a quality assurance specialist at the CC, to help OEO staff with this work. Harris has been at NIH for 25 years as a nurse clinician and manager and currently is also chair of the NIH advisory committee for women. The CC senior management plans to work closely with OEO in implementing diversity initiatives in the CC. Questions regarding the diversity working group may be

directed to Harris, 6-2112.

The October congress is a one-time gathering of delegates from each ICD who will represent the diversity that comprises the NIH community. Its purpose is to review the effectiveness of existing NIH groups and committees involved with diversity and EEO issues and make recommendations regarding the establishment of an NIH-wide diversity council; develop the best strategies for implementing WDI throughout NIH; and develop strategies for educating and training the NIH work force in workplace diversity.

One of the outcomes of the Diversity Congress will be formulation of plans to organize a single advisory group under the auspices of OEO. Until it has an official name, this advisory body will be referred to as a Diversity Council. The council is envisioned as a permanent body comprised of individuals representing the NIH community and selected in accordance with democratic principles developed at the congress. The council will advise the OEO director on policies and programs to promote all aspects of diversity at NIH. Questions regarding WDI may be directed to Joan Brogan, 2-6583. □

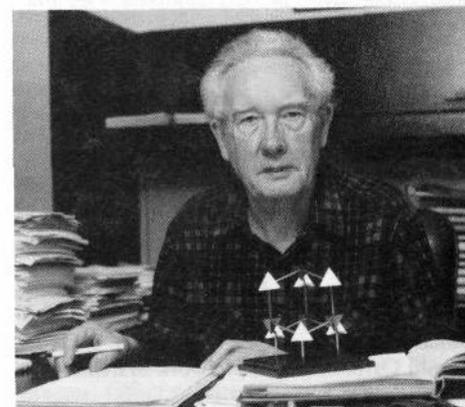


Janette Gabriel, EEO officer for NIAMS and FIC, recently staffed an exhibit booth representing NIAMS at the Ninth Annual Symposium on Career Opportunities in Biomedical and Public Health Sciences. The meeting was held in Atlanta, hosted by the Morehouse School of Medicine. The symposium is held under the aegis of the Association of Minority Health Professions Schools.

DCRT Training Classes

Getting Started with Windows	7/5
Relational Database Overview	7/6
PC Viruses	7/6
PC Topic Session - Lotus Notes	7/6
SAS Fundamentals I for Nonprogrammers	7/6-7
Unix Commands	7/10
Intro SQL: Structured Query Language	7/10-11
Introduction to Multimedia Computing	7/11
CURE - PC Network Group	7/11
SAS Fundamentals II for Nonprogrammers	7/12-13
Relational Database Design	7/13
Using the Internet for Sequence Analysis	7/13
Windows NT and NTS Overview	7/14
Deregistration of NIH Computer Center Users	7/17
Introduction to the Helix Systems	7/17
Scientific Data Analysis: Resources at NIH	7/17
Internet Mini Expo	7/18
Database Technology Seminar	7/21
Windows for Workgroups Overview	7/24
Temperature & Hydration Dependence of Protein Dynamics in Computer Simulations	7/24
COORPLAS: Generating 3D Coordinates from Plastic Models	7/24
Creating Movies from Ray Trace Graphics	7/24

All classes are on the NIH campus and are given without charge. □



Derek H.R. Barton, distinguished professor of chemistry at Texas A&M University and an NIGMS grantee, recently received the American Chemical Society's 1995 Priestley Medal. He was recognized for his "more than 50 years of research in organic chemistry." Barton also shared the 1969 Nobel Prize in chemistry for his work on the effect of steroid molecules' shapes on reaction rates. The Priestley Medal—the society's highest honor—is widely regarded as the United States' most prestigious award in chemistry.

1995 NIH Honor Awards Presented June 13

Dr. Harold Varmus, NIH director, presented awards June 13 at the annual NIH Honor Awards Ceremony to the following recipients:

Special Recognition Award for 65 Years of Service to NIH

Roskey Jennings
Biological Laboratory Technician, National Institute of Allergy and Infectious Diseases
"For 65 years of dedicated service and superior performance while providing technical support for intramural program scientists at the National Institutes of Health."

Clinical Center

Dr. Thomas L. Lewis
Associate Director for Information Systems Office of the Director
"For extraordinary hard work, enthusiasm, loyalty and commitment to the Clinical Center and NIH."

Division of Computer Research and Technology

James S. Del Priore
Senior Computational Specialist, Office of the Director
"In recognition of the innovative approach taken to reengineer the way that NIH purchases software, upgrades and related computational support."

Dr. Dale Graham
Biologist, Distributed Systems Branch, Office of Computing Resources and Services
"In recognition of exceptional leadership and commitment to providing extremely valuable guidance and support for NIH researchers in the area of computational biology."

Group Award
Natcher Building Telecommunication Systems Task Force
Gene Gruden, Telecommunications Specialist, ORS
Ray Hertel, Telecommunications Specialist, ORS
Howard Hochman, Deputy Director
Division of Space & Facility Management, ORS, OD
Donald Janson, Computer Specialist, DCRT
Harold Ostrow, Chief, Network Systems Branch, DCRT
Cyrena Simons, Program Analyst, ORS
Jim Slep, Instrument Maker, NCRR
Roger Solomon, Computer Specialist, NIDDK
Jeffrey Young, Electronics Engineer, DCRT

"In recognition of initiative and perseverance in providing sophisticated communication services to the William H. Natcher Building."

Division of Research Grants

Group Award
DRG Applications Review Tracker Team
Dr. Zakir H. Bengali, Health Scientist Administrator
Eugene M. Diggs, Supervisory Computer Specialist
"For development of an integrated computerized system for automating a number of functions required in conducting the peer review process."

Dr. Jeanne N. Ketley
Supervisory Health Scientist Administrator, Clinical Sciences Review Section, Referral and Review Branch
"In recognition of superior leadership and professionalism in the management of the Division of Research Grant's Clinical Research Study Group."

Group Award
IMPAC II Modernization Project Group
James C. Cain, Program Manager
Margaret D. Costello, Computer Systems Analyst
Dr. Robert C. Goldschmidt, Computer Systems Analyst
Katherine Landre, Computer Specialist
Shevra L. Zucker, Computer Systems Analyst
"In recognition of the outstanding manner in which the IMPAC II Modernization Project has been designed, conducted, and managed."

Charles McL. Hadley, III
Supervisory Personnel Management Specialist, Personnel Office, Office of Administrative Management
"In recognition of superb leadership, initiative and resourcefulness in contributing to better human resource management at the National Institutes of Health."

William H. Hill, Jr.
Supervisory Computer Specialist, Networking and Telecommunications Section, Information Systems Branch
"In recognition of his outstanding accomplishments in enhancing, upgrading, and furthering the technologies used within the Division of Research Grants."

Sharon A. Johnson
Computer Specialist, Networking and Telecommunications Section, Information Systems Branch
"In recognition of her outstanding accomplishments in the implementation of and transition to the new DRG Electronic Mail System."

Fogarty International Center

Rita J. Singer
Stone House Manager, Scholars-in-Residence Branch
"In recognition of your superb management of the Lawton Chiles International House for the past fourteen years."

National Cancer Institute

Dr. Judith E. Karp
Assistant Director for Applied Science
"For your exceptional contributions to the design and preparation of the NCI Bypass Budget and the AIDS Annual Plan."

Dr. Michaele C. Christian
Acting Branch Chief, Division of Cancer Treatment, Cancer Therapy Evaluation Program, Clinical Trials Monitoring Branch
"In recognition of your exceptional leadership in reviewing, coordinating, and revising the monitoring of the Clinical Trials sponsored by the National Cancer Institute."

Dr. W. Marston Linehan
Head, Urologic Oncology Section, Division of Cancer Treatment, Clinical Oncology Program, Surgery Branch
"In recognition of your significant laboratory and clinical studies which resulted in the identification of the tumor suppressor gene for hereditary and sporadic kidney cancer."

Dr. Brenda K. Edwards
Associate Director, Surveillance Program, Division of Cancer Prevention and Control
"In recognition of exceptional initiative and leadership in managing the Surveillance Program and revising the Annual Statistics Review of the National Cancer Institute."

Dr. Jeffrey S. Abrams
Medical Officer, Division of Cancer Treatment, Cancer Therapy Evaluation Program, Clinical Investigations Branch
"In recognition of outstanding leadership in organizing the National Cancer Institute's Workshop 'An Appraisal of Clinical Research and Treatment of Early Breast Cancer.'"

Dr. Lucy M. Anderson
Acting Chief, Laboratory of Comparative Carcinogenesis, Division of Cancer Etiology, Chemical and Physical Carcinogenesis Program
"For pioneering observations in experimental animals that led to the discovery of the pathogen Helicobacter hepaticus and its role in carcinogenesis."

Vivian W. McFarland
Biologist, Division of Cancer Biology, Diagnosis, and Centers, Dermatology Branch
"In recognition of more than three decades of sustained excellence and meritorious service to the National Cancer Institute and the National Institutes of Health community."

Cheryl M. Nichols
Chief, Planning, Evaluation, and Analysis Branch, Office of the Director, Office of Program Operations and Planning
"For your central contribution to the evaluation and future direction of the National Cancer Program through your invaluable work on Cancer at a Crossroads."

William J. Hinkle

Chief, Laboratory Animal Resources Section,
Office of the Director, Office of Laboratory Animal Science

"In recognition of your sustained leadership in supporting the animal research program and facilities of the National Cancer Institute."

Dr. Jerrold M. Ward

Chief, Veterinary and Tumor Pathology Section, Office of the Director, Office of Laboratory Animal Science

"In recognition of your effort and leadership in determining the cause of a new chronic hepatitis in mice and model for human disease."

National Center for Human Genome Research

Erin S. Burgess
Budget Officer

"In recognition of your tireless efforts and outstanding performance in managing the financial affairs of the National Center for Human Genome Research."

Linda Engel

Chief, Office of Scientific Review

"In recognition of your outstanding achievement in providing creative and accomplished leadership in the development of a peer review system for the Human Genome Project."

Dr. Jeffrey M. Trent

Director, Division of Intramural Research

"In recognition of your superb leadership, creativity, and innovation in developing an outstanding Division of Intramural Research at the National Center for Human Genome Research."

Thomas Howard

Laboratory Worker

"In recognition of your diligence and perseverance in meeting the growing needs of the Intramural Research Program of the National Center for Human Genome Research."

National Center for Research Resources

Suzanne F. Grefsheim

Chief, NIH Library Branch

"For exemplary leadership of the National Institutes of Health Library in vastly increasing access to electronic information and databases."

Dr. Richard D. Leapman

Physical Scientist, Biomedical Engineering and Instrumentation Program

"In recognition of pioneering work instrumental to making NIH a world renowned center in analytical electron microscopy and enabling productive collaboration research with the institutes."

Barbara J. Rust

Purchasing Agent, Medical Arts and Photography Branch

"For exceptional support in the field of procurement."

George L. Hemphill

Electronics Technician, Biomedical Engineering and Instrumentation Program

"In recognition of sustained outstanding performance in providing electrical and electronic engineering support to clinical and laboratory research projects at NIH."

National Heart, Lung, and Blood Institute

Loretta L. Barnes

Administrative Officer, Division of Lung Diseases

"In recognition of outstanding achievements of administrative support."

Dr. Patrice Desvigne-Nickens

Director, Heart Research Program, Division of Heart and Vascular Diseases

"For exceptional leadership in developing and managing the National Heart, Lung, and Blood Institute's extramural Collaborative Programs on Women's Health and Minority Health."

Dr. Lynn M. Amende

Health Scientist Administrator, Review Branch, Division of Extramural Affairs

"In recognition of exceptional leadership and performance to the Scientific Review Administration and significant contributions to NHLBI's mission of improving health by advancing biomedical research."

Virginia S. Taggart

Health Program Specialist, Division of Lung Diseases

"In recognition of outstanding management of NHLBI programs in asthma."

Thomas Thom

Statistician (Health), Epidemiology and Biometry Program, Division of Epidemiology and Clinical Applications

"In recognition of major contributions to understanding international patterns and trends in mortality from heart disease, cancer, and stroke."

Christinia E. Roark

Administrative Officer, Office of the Director, Division of Extramural Affairs

"In recognition of your exceptional leadership, performance and resourcefulness in the coordination of the Rockledge Building Project."

Helen K. Wegman

International Program Officer, Office of the Director, Office of International Programs

"In recognition of exceptional dedication and service to the National Heart, Lung, and Blood Institute's international collaboration in cardiopulmonary research."

Dr. Daniel Levy

Medical Officer (Research), Epidemiology and Biometry Program, Division of Epidemiology and Clinical Applications

"For superior achievements that have enhanced understanding of the cardiac hypertrophic response and its relationship to the pathogenesis of cardiovascular disease."

Frank J. Mills, Sr.

Grants Technical Assistant, Review Branch, Division of Extramural Affairs

"In recognition of your long years of dedicated and outstanding performance and self-sacrifice in support of peer review at NHLBI."

Dr. Carol H. Letendre

Deputy Director, Division of Blood Diseases and Resources

"For creative leadership of program activities in blood diseases and resources and development of programs for control and cure of disorders of hemostasis and thrombosis."

National Institute on Aging

Louise Vann

Secretary to the Director, Office of the Director

"For recognition of her outstanding contribution to the function and reorganization of the Office of the Director of the National Institute on Aging."

Karyn Ross

Chief, Financial Management and Technical Information Systems Branch, Office of Administrative Management

"In recognition of her outstanding leadership role in administrative and reinvention activities of the National Institute on Aging."

Dr. Richard L. Sprott

Associate Director, Biology of Aging Program

"In recognition of outstanding contributions in developing a program in the basic biology of aging."

Dr. Samuel P. Korper

Associate Director, Office of Planning, Analysis and International Activities

"For design and implementation of a scientific planning process to increase the rigor of review and decision-making in all National Institute on Aging programs."

Dr. Marcia G. Ory

Chief, Social Science Research on Aging, Director, Coordinating Unit on Burdens of Care for Alzheimer's Disease

"For guiding the development of the psychosocial geriatrics program and enhancing knowledge about the interactions among health, behavior and the aging process."

National Institute on Alcohol Abuse and Alcoholism

Martin K. Trusty

Executive Officer

"In recognition of outstanding leadership in directing the Planning and Resource Management activities of the Institute for more than twenty years."

Leland H. Towle

Director, Office of International and Intergovernmental Affairs

"For leadership shaping the direction and scientific content of the Institute's international program, enhancing the international image and credibility of research on alcohol related problems."

Dr. Susan E. Martin

Health Scientist Administrator, Division of Clinical and Prevention Research

"In recognition of exceptional leadership in the science of alcohol problem prevention research concerning violence, drunk driving, and alcohol advertising to inform public policy."

(Continued from Page 9)

Diana I. Widner
Committee Management Officer, Office of
Scientific Affairs
*"For outstanding dedication, initiative, and ability
in performing the Committee Management and peer
review support functions for the National Institute on
Alcohol Abuse and Alcoholism."*

Group Award
Technical Assistants, Extramural Project
Review Branch, Office of Scientific Affairs

Jean Connolly
Cheryl Copeland
Virginia Harris
Champa Kumar
Alison Pitsenberger
Debra Schroeder

*"In recognition of exemplary technical support of the
review of an exceptionally large number of grant
applications in Spring and Summer of 1994."*

Dr. Bridget Florence Grant
Chief, Biometry Branch, Division of
Biometry and Epidemiology

*"In recognition of outstanding research and
exemplary national and international scientific
leadership in the fields of substance use and
psychiatric epidemiology, assessment and classifica-
tion."*

**National Institute of Allergy and Infectious
Diseases**

Dr. William R. Duncan
Health Scientist Administrator, Clinical
Research Program, Division of Acquired
Immunodeficiency Syndrome
*"In recognition of your superb leadership and
exceptional initiative in developing and carrying out
the scientific programs of the Treatment Research
Program, Division of AIDS."*

Dr. Peter L. Collins
Microbiologist, Laboratory of Infectious
Diseases, Division of Intramural Research
*"In recognition of sustained excellence in the
molecular elucidation of an important human virus
and the application of this knowledge to vaccine
development."*

Dr. Regina Rabinovich
Assistant Director for National Vaccine
Program Liaison, Division of Microbiology
and Infectious Diseases
*"For your skillful and successful advocacy for vaccine
research in development of comprehensive national
and international immunization program plans."*

Lennita R. Lawson
Chief, Management Analysis Section,
Management Services Branch, Office of
Administrative Management, Office of the
Director
*"In recognition of superb leadership, resourcefulness,
and initiative in managing the employee and
performance management programs and its
automated administrative systems for the NIAID."*

Dr. Thomas E. Wellemis
Head, Section on Malaria Genetics, Labora-
tory of Parasitic Diseases, Division of
Intramural Research
*"For discoveries in malaria pathogenesis and in the
molecular basis of chloroquine resistance."*

Group Award
Scientific Review Program
Division of Extramural Activities
Dr. Madelon C. Halula, Chief, Special
Review Branch
Dr. Paula S. Strickland, Scientific Review
Administrator
*"For exceptional creativity, initiative and insight in
the conduct of scientific peer review process and
leadership in implementing a new support staff
structure."*

Thelma A. Gaither
Health Scientist Administrator, Virology
Branch, Division of Microbiology and
Infectious Diseases
*"In recognition of sustained outstanding performance
in the management of clinical trials and for
contributions to the NIH community."*

Lai S. Tan
Chief, Program Analysis Branch, Office of
Policy Analysis and Technology Transfer,
Office of the Director
*"In recognition of your exceptional leadership and
creativity in the development, oversight and
continued evolution of the NIAID Multi-Axis Coding
System."*

Mary K. McMahon
Secretary, Laboratory of Immunology,
Division of Intramural Research
*"For distinguished performance over the last 14 years
in the leadership of the office of the Laboratory of
Immunology and exceptional accomplishment during
the past year."*

Sara M. Southard
Contract Specialist, Contract Management
Branch, Division of Extramural Activities
*"In recognition of diligence, flexibility and superb
leadership in the solicitation, negotiation and award
of research contracts for the evaluation of control
measures against infectious diseases."*

**National Institute of Arthritis and
Musculoskeletal and Skin Diseases**

Marsha G. Hennings
Administrative Officer, Intramural Research
Program
*"In recognition of your extraordinary leadership,
professionalism, resourcefulness, and dedication in
managing the Administrative Office of the NIAMS
Intramural Research Program."*

Melvin L. Broadus
Administrative Officer, Office of the
Director, Office of Administrative
Management
*"In recognition of your outstanding dedication,
innovation, and enthusiasm in managing the
Administrative Office of the NIAMS Office of the
Director."*

Cheryl L. Anderson
Administrative Officer, Office of the
Director, Office of Administrative
Management
*"In recognition of your exceptional initiative,
leadership, and dedication in managing the
Administrative Office of the NIAMS Extramural
Program."*

**National Institute of Child Health and
Human Development**

Dr. Joan C. Marini
Acting Chief, Human Genetics Branch,
Division of Intramural Research
*"For exceptional leadership of a trans-NIH clinical
and basic research approach to osteogenesis imperfecta
('brittle bone disease')."*

Dr. George Reid Lyon
Psychologist, Human Learning and Behavior
Branch, Center for Research for Mothers
and Children
*"In recognition of scientific leadership in the
neuropsychology of learning disabilities and
outstanding management of the NICHD's three
Learning Disabilities Centers."*

Dr. John D. Clemens
Chief, Epidemiology Branch, Division of
Epidemiology, Statistics and Prevention
Research
*"For distinguished leadership in vaccine evaluations
and in epidemiological studies of pediatric infectious
diseases."*

Dr. Richard P. Blye
Pharmacologist, Contraceptive Development
Branch, Center for Population Research
*"In recognition of outstanding leadership in
optimizing the biological evaluation and the
development of new contraceptive products."*

Dr. John H. Moye, Jr.
Medical Officer, Pediatric, Adolescent and
Maternal AIDS Branch, Center for
Research for Mothers and Children
*"For substantial and essential contributions to the
development, implementation, analysis, rapid
dissemination, and reporting of the results of ACTG
clinical trial 076."*

Dr. Norman C. Chang
Scientific Review Administrator, Division of
Scientific Review
*"For dedication to the highest standards of peer
review and for the creativity and skill brought to the
most complex review challenges."*

Catherine A. O'Connor
Senior Biomedical Research Program
Assistant, Office of Scientific Director,
Division of Intramural Research
*"For extraordinary creativity, commitment, and
productivity in implementing a model NIH
intramural peer review process."*

National Institute on Deafness and Other Communication Disorders

Dr. Earleen Elkins

Supervisory Health Scientist Administrator,
Division of Extramural Activities

"For your exemplary leadership in streamlining and innovative analyses of the scientific review processes and grants management of the NIDCD."

National Institute of Dental Research

Marion L. Blevins

Contracts Officer, Contracts Management
Section, Division of Extramural Research

"For exceptional contributions to the administration of research and development contracts supporting epidemiologic studies of national oral health significance."

Lorraine W. Jackson

Equal Employment Manager, Office of the
Director

"For extensive, dedicated and broad-ranging outreach activities to minority institutions, professional organizations and individuals, informing and encouraging them to participate in oral health research."

Alma M. Tokarski

Secretary, Office of the Director, Division of
Extramural Research

"In recognition of extraordinary initiative in assuming critical and timely responsibilities in support of dental research training and career development."

National Institute of Diabetes and Digestive and Kidney Diseases

Dr. James E. Everhart

Chief, Epidemiology and Clinical Trials
Branch, Division of Digestive Diseases and
Nutrition

"In recognition of your contributions to digestive diseases epidemiology and editorship of the monograph: 'Digestive Diseases in the United States: Epidemiology and Impact.'"

Margaret E. Hawker

Program Support Specialist, Division of
Intramural Research, Office of the
Director

"For exceptional performance in support of the NIDDK intramural research program."

Dr. Ronald Margolis

Chief, Endocrinology Research Section,
Division of Diabetes, Endocrinology and
Metabolic Diseases

"In recognition of your superb leadership, resourcefulness, and accomplishments in advancing research in molecular endocrinology."

George Poy

Biologist, Genetics and Biochemistry Branch

"In recognition of your organization and operation of an efficient core facility that has provided outstanding support to the intramural research program."

Dr. Willis R. Foster

Senior Staff Physician, Office of Disease
Prevention and Technology Transfer

"In recognition of your outstanding performance, resourcefulness, initiative, and innovative approaches in biomedical assessment and disease prevention."

National Institute on Drug Abuse

Dr. Syed Husain

Scientific Review Administrator, Office of
Extramural Program Review

"In recognition of his outstanding dedication and contribution in advancing the mission of the Office of Extramural Program Review at NIDA."

Dr. David McCann

Health Science Administrator, Medications
Development Division

"For exceptional leadership in directing the transition of the Opiate Dependence Treatment Discovery Team to focus on new testing methods to meet unmet medical needs."

Audrey Thomas

Chemist, Medications Development Division

"For outstanding leadership in establishing a Biogenic Amine Transport Program to accelerate the discovery of drug addiction medications."

Richard C. Harrison

Chief, Contracts Review Branch, Office of
Extramural Program Review

"In recognition of your exceptional competence and resourcefulness in managing peer review of the SBIR Grant Program and the Drug Abuse Science Education Partnership Awards Program."

Constance E. Latzko

Computer Specialist, Office of Planning and
Resource Management

"In recognition of your exceptional initiative and unusual competence in meeting the microcomputer and telecommunications requirements of the National Institute on Drug Abuse."

Group Award

National Institute on Drug Abuse Equal

Opportunity Advisory Committee

Mona Brown, Press Officer

Dr. Arturo Cazares, Minority Specialist,
(ORMH)

Richard C. Harrison, Chief, Contracts
Review Branch

Theresa Kopajtic, Biologist

Dr. Rao Rapaka, Associate Director for

Science & Technology

Nancy Soulen, Program Analyst

Jewell Webb, Budget Analyst

Dr. Arthur Horton, Research Psychologist

Davey Jones, Mail and File Clerk

Dr. Lula Beatty, Director, Special Popula-
tions Program

Carol Cushing, Contract Specialist

Dr. Mary Custer, Health Scientist Adminis-
trator

Dr. Rita Liu, Health Scientist Administrator

Dr. Charles W. Sharp, Special Assistant to
the Division Director

"In recognition of the National Institute on Drug Abuse's Equal Employment Opportunity Advisory Committee's accomplishments to make the Institute a fairer and more equitable workplace."

National Institute of Environmental Health Sciences

Dr. Thomas A. Kunkel

Research Geneticist, Laboratory of Molecular
Genetics

"For studies of mechanisms of DNA-slippage mutation and its roles in carcinogenesis and in HIV variation."

Dr. Robert E. Chapin

Toxicologist, Experimental Toxicology
Program, Toxicology Branch

"In recognition of superior achievements in detecting potential human reproductive toxicants and in assessing and understanding human reproductive risks associated with chemical exposures."

Group Award

Environmental Carcinogenesis Program,
Laboratory of Molecular Carcinogenesis,
Comparative Carcinogenesis Group

Dr. J. Carl Barrett, Chief

Dr. Michelle L. Bennett, IRTA Fellow

Heather A. Brownlee, Bioscience Lab Tech

Charles J. Cochran, Biologist

Dr. P. Andrew Futreal, IRTA Fellow

Astrid C. Haugen-Strano, Biologist

Lori A. Terry, Biologist

Dr. Roger W. Wiseman, Senior Staff Fellow

"For isolation and characterization of the breast and ovarian cancer susceptibility gene, BRCA1, which will provide new insights into these important cancers."

National Institute of General Medical Sciences

Group Award

Thomas M. Boyce, Supervisory Computer
Specialist

Gail B. Grosman, Administrative Officer

"In recognition of exceptional leadership skills, resourcefulness, and commitment demonstrated in managing and organizing the relocation of NIGMS staff to the William Natcher Building."

Sandra G. Freund

Personnel Management Specialist, Office of
the Director, Office of Administrative
Management, Personnel Management
Branch

"In recognition of your superb expertise, dedication, and initiative demonstrated in the provision of personnel management activities for both the NIGMS and NIH."

Dr. Rochelle M. Long

Health Scientist Administrator (Biological
Sciences), Division of Pharmacology,
Physiology, and Biological Chemistry,
Pharmacological and Physiological Sciences
Branch

"For the provision of exceptional service, scientific expertise, and leadership abilities demonstrated in the support of programs relative to pharmacological research and bioavailability."

(Continued on Page 12)

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National Institute of Mental Health

Dr. Enid Light
Chief, Research Resource Program, Mental Disorders of the Aging Research Branch, Division of Clinical Treatment Research
"In recognition of significant accomplishments in stimulating research on the mental health of older women."

Dr. Ljubisa Vitkovic
Chief, Neuroimmunology/Neurovirology Program, Molecular and Cellular Neuroscience Research Branch, Division of Neuroscience and Behavioral Science
"For outstanding leadership in bringing the disciplines of neuroimmunology and neurovirology to a position of prominence within the NIH."

Brenda L. Sandler
Financial Manager, DIRP
"For extraordinary contributions and dedication to the NIMH Intramural Program."

Violet Kemp
Program Analyst, Division of Neuroscience and Behavioral Science
"In recognition of sustained performance, exceptional creativity and sound fiscal management of the Division of Neuroscience and Behavioral Science."

Dr. Dennis Glanzman
Chief, Theoretical and Computational Neuroscience Programs
"For outstanding leadership in the area of computational and theoretical neuroscience across the National Institutes of Health and other Federal agencies."

Louise Chang Marshall
Technical Information Specialist, Information Resources and Inquiries Branch
"For exceptional achievement in the dissemination of information on mental health research programs."

David Daubert
Assistant Administrative Officer, DNBS
"In recognition of notable competence, creativity, and resourcefulness resulting in substantial benefits to NIMH and NIH."

National Institute of Neurological Disorders and Stroke

Dr. David R. Sibley
Pharmacologist and Chief, Molecular Neuropharmacology Section, Experimental Therapeutics Branch, Division of Intramural Research
"For development of an outstanding program of research on the molecular biology and pharmacology of dopamine and serotonin receptors."

National Library of Medicine

Robert B. Mehnert
Director, Office of Inquiries and Publications Management, Office of the Director
"For outstanding effort in imaginatively and effectively communicating the mission of the National Library of Medicine."

Susan P. Buyer
Deputy Assistant Director for Planning and Evaluation, Office of the Director, Office of Health Information Programs Development
"For your superior leadership in the development and management of the National Library of Medicine Long Range Plan."

Office of Research Services

Alex A. Salah
Assistant Supervisor, Electric Shop Unit, Shops Section, Public Works Branch
"In recognition of exceptional technical and leadership capabilities and humanitarian efforts within the Division of Engineering Services, Shops Unit, and the National Institutes of Health."

Thomas W. Hayden
Lead Police Officer, Patrol Section, Police Branch
"In recognition of exemplary efforts in creating a Community Policing Program and enhancing its concept at the NIH."

Gyula F. Kovach
Supervisory Environmental Specialist, Environmental Protection Branch, Division of Safety
"For outstanding performance in developing and executing a strategy for remediating groundwater contamination at the Bitterroot Valley Sanitary Landfill."

Ricardo C. Herring
Architect, Facilities Planning and Programming Branch, Division of Engineering Services
"For outstanding leadership in planning, developing and managing the Facilities Assessment, Historic Preservation, and Architectural Barriers Compliance Programs for the National Institutes of Health."

Veronica Crawford-Robinson
Management Analyst, Office of the Director, Division of Space and Facility Management
"In recognition of your decisive and exemplary leadership to the Division of Space and Facility Management in establishing an NIH customer service oriented environment."

Office of the Director

Stephen C. Benowitz
Director, Office of Human Resource Management
"In recognition of your vision, creativity and innovation in your contributions to human resource management."

Sharon L. Mathsen
Administrative Officer, Office of Human Resource Management
"In recognition of your service to the NIH in providing outstanding management and oversight of the substantial resources of the office of Human Resource Management."

Sarah Carr
Senior Program Analyst, Division of Science Policy Analysis and Development, Office of Science Policy and Technology Transfer
"For extraordinary skill, sensitivity, and commitment in managing all aspects of the deliberations of the Human Embryo Research Panel and the preparation of its report."

Janet Smith
Staff Assistant, Office of Human Subjects Research, Office of Intramural Research
"For outstanding contributions in support of the NIH Subcommittee to Review FIAU Studies."

Dr. Joan P. Schwartz
Chief, Molecular Genetics Section, Clinical Neuroscience Branch, National Institute of Neurological Disorders and Stroke
"For outstanding service to the Office of Intramural Research in addressing problems of intramural women scientists and of scientific integrity and conduct."

Dr. Henry Fales
Chief, Laboratory of Biophysical Chemistry, Division of Intramural Research, National Heart, Lung, and Blood Institute
"In recognition of outstanding leadership to the National Institutes of Health in the exploration and evaluation of alternative strategies for the handling and disposal of medical pathological waste."

Dr. Kira K. Lueders
Research Chemist, Laboratory of Biochemistry, DCBDC
"In recognition of outstanding leadership of the Recycling Subcommittee of the Environmental Concerns Working Group in developing a recycling program for the NIH."

Mary Girton
Senior Biological Technologist, Laboratory of Diagnostic Radiology Research, Office of Intramural Research
"For outstanding contributions toward the reorganization of the Laboratory of Diagnostic Radiology Research."

Dr. Katherine Duncan
Adjunct Medical Officer, Division of Human Subject Protections, Office for Protection from Research Risks
Office of Extramural Research
"For sustained and exemplary voluntary contributions beyond retirement, in furtherance of the NIH program of protections for human research subjects, domestic and foreign."

Dr. John C. James
Assistant Director for Special Projects, Office of the Director, Division of Research Grants
"For exceptional enterprise and resourcefulness in providing analytical support for collating and analyzing NIH records on human radiation experiments during the Cold War era."

William J. Kelley
Acting Chief, Small Purchase Operations Branch, Division of Procurement
"In recognition of outstanding contributions toward the improvement of the centralized purchasing function at the National Institutes of Health."

Millicent A. Warford
Senior Contract Specialist, Acquisitions Management, Acquisitions Branch C, Division of Procurement
"In recognition of outstanding contributions to the management of Acquisitions Branch C, as Acting Chief, and initiatives that significantly increased staff professionalism, cohesiveness, and customer service."

Laurie J. Weker
Acting Associate Director for Small Purchase Policy, Acquisitions Management, Division of Procurement
"For superior foresight, initiative, and leadership in the arena of small purchase reform at NIH which has resulted in cost savings and improved responsiveness."

Nelson Duane Smith
Computer Equipment Specialist, Standards and Specifications Branch, Acquisition Support, Office of Acquisition Support
"For conscientious dedication to the NIH mission and continuous display of the highest initiative and quality of work in expediting acquisitions for the NIH community."

Barbara Schultz
Supervisory Contract Specialist, Acquisitions Branch B, Division of Procurement
"In recognition of outstanding service and leadership as a Supervisory Contract Specialist in the Division of Procurement."

Gregory D. Holliday
Contract Specialist, Acquisitions Branch A, Division of Procurement
"In recognition of outstanding efforts and exemplary performance in support of the Division of Procurement's mission."

Teresa A. Arnold
Technical Assistant, Acquisitions Support, Office of Acquisitions Management
"In recognition of the superior performance of additional responsibilities assumed, which far exceeded the requirements of her position during the absence of the Section Chief."

Valerie Hood
Freight Rate Specialist, Shipping and Receiving Branch, Division of Logistics
"In recognition of exemplary dedication, reliability, and technical expertise in the Shipping and Handling Branch, Division of Logistics, National Institutes of Health."

Martin L. Stewart
Store Worker Leader, Supply Branch, Division of Logistics
"In recognition of commendable dedication, professionalism, and outstanding support as a store worker leader in the Division of Logistics Supply Branch Self-Service Stores."

Ricky L. Taylor
Store Worker Leader, Supply Branch, Division of Logistics
"In recognition of admirable professional expertise, strong leadership, and outstanding accomplishments as a store worker leader in the Division of Logistics Supply Branch Self-Service Stores."

Willie White
Motor Vehicle Operator, Shipping and Receiving Branch, Division of Logistics
"In recognition of noteworthy dedication, reliability, and unselfishness in the Shipping and Receiving Branch, Division of Logistics, National Institutes of Health."

Group Award
Complaints Management and Adjudication Branch, Office of Equal Opportunity
Melvena C. Bean, Equal Employment Opportunity Specialist
Victor M. Canino, Equal Employment Opportunity Specialist
Raphael Douglas, Equal Employment Opportunity Specialist
John Gimperling, Equal Employment Opportunity Specialist
Linda G. Morris, Chief, CMAB, OEO
Nikisha M. Vail, Clerk Typist
Mary R. White, Equal Employment Opportunity Specialist

"In recognition of extraordinary team effort, initiative, and enthusiasm in revitalizing the NIH complaints management adjudication function and eliminating the complaints backlog."

Group Award
Division of IRM Oversight and Clearance
Office of Information Resources Management
Marie L. Monsees, Director, Division of IRM Oversight and Clearance
Paul E. Burke, Computer Specialist
George Caponiti, Procurement Analyst
Cynthia Cennane, Computer Specialist
Robert Lagas, Computer Specialist
Janice McLoon, FIP Acquisition Specialist

"In recognition of exceptional initiative in identifying, adapting, and making available to NIH faster efficient and economical alternatives to standard acquisition and support methodologies."

Office of the Director Group
Dr. Edward D. Korn, Director, DIR (NHLBI)
Dr. Philip S. Chen, Associate Director for Intramural Affairs, OIR (OD)
Robert T. Dillon, Personnel Management Specialist, OHRM (OD)
Patricia A. Werner, Personnel Management Specialist, OHRM (OD)

"For your extraordinary and tenacious efforts to obtain and implement the Senior Biomedical Research Service for research scientists of the National Institutes of Health."

Office of the Director Group
Marvin Lee, Director, Division of Workforce Development, OHRM (OD)
Joyce F. LaPlante, Personnel Management Specialist, Division of ICD Consulting Services, OHRM (OD)
Judy M. Vickers, Personnel Management Specialist, Division of ICD Consulting Services, OHRM (OD)
Thomas S. Reed, Director, Office of Human Resource Management (CC)
Elizabeth Sands, Chief, Special Initiatives and Planning Section, Office of Human Resource Management (CC)
Jane M. Thurber, Personnel Management Specialist, Special Initiatives and Planning Section, Office of Human Resource Management (CC)

"For your exemplary work in providing analysis and support that led to the implementation of Title 38 pay systems for physicians at the NIH."

Office of the Director Group
Joellen M. Harper, Grants Policy Specialist, Grants Policy, OPERA, OER, NIH
J. Wayne Berry, Chief, Federal Assistance Accounting Branch, Division of Financial Management Branch, OM
Richard W. Rhoads, Chief, Grants Section, Federal Assistance Accounting Branch, Division of Financial Management, OM
Leo F. Buscher, Chief, Grants Administration Branch, National Cancer Institute

"For outstanding effort to improve stewardship of federal funds in a collaborative activity with grantee institutions to improve financial reporting."

Harvey J. Bullock, Jr. Award for Equal Opportunity Achievement

James T. Davis
Acting General Foreman, Grounds Maintenance and Landscaping Section, Public Works Branch, Division of Engineering Services, Office of Research Services, OD
"In recognition of a significant contribution to the principles of EEO through long-term commitment, effective leadership and sensitivity to employee concerns."

NIH Equal Employment Opportunity Award of the Year

Dr. Francisco O. Calvo
Special Emphasis Panel Section, NIDDK
"In recognition of leadership in NIH wide activities related to Equal Employment Opportunity. This includes tutoring and mentoring elementary and high school students through the Raising Hispanic Academic Achievement and Hispanic Youth Initiative, National Institutes of Health."



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Commissioned Corps Service Medals

Distinguished Service Medal

Capt. Robert Simpson, NIDDK
"For a career notable for research on multiple sclerosis."

Capt. Henry F. McFarland, NINDS
"For seminal contributions in understanding the role of chromatin structure in modulating gene expressions"

Meritorious Service Medal

Cdr. James S. Del Priore, DCRT
"For leadership and technical expertise critical to the design and implementation of a comprehensive communications network infrastructure for the National Institutes of Health."

Cdr. Joshua J. Zimmerberg, NICHD
"For discovering the membrane fusion pore, elucidating its structure and role in cellular secretion and viral syncytia formation, and for outstanding leadership of his laboratory."

Capt. Albert D. Guckes, NIDR
"For exemplary accomplishments and leadership, as well as commitment, dedication, and service to the American public, dentistry and to the principles of the Commissioned Corps."

Capt. Thomas M. Bedick, NIEHS
"For exemplary leadership and innovative management in building an effective professional team, which balances renovations, routine and preventive maintenance, and efficiently responds to facility crises."

Capt. Frank J. Nice, NINDS
"For exemplary and intensive contributions to the development of new therapy for the treatment of epilepsy and other neurological disorders."

Capt. William H. Theodore, NINDS
"For advances in the treatment of seizure disorders, including development of noninvasive techniques for preparative functional localization, and a leading role in the development of Felbamate, the first new antiepileptic drug approved in the United States for fifteen years."

Capt. Weldon C. Fill, ORS
"For outstanding contributions resulting in more responsive, effective and efficient management of a number of Public Health Service programs."

Outstanding Service Medal

Cdr. Joseph A. Kovacs, CC
"For recognition of outstanding leadership in developing immunotherapy for patients with HIV infection and related opportunistic infections."

Cdr. Jonathan D. Adams, NCI
"For outstanding service and dedication in the planning, organization, and management of the National Cancer Institute's Treatment Referral Center."

Capt. Gunta I. Obrams, NCI
"For sustained outstanding contributions to the coordination and leadership of multidisciplinary programs and the development of international research."

Capt. Philip A. Pizzo, NCI
"For pioneering studies in pediatric AIDS which have demonstrated the pathogenesis of this disease in children and led to the development of increasingly effective treatments."

Cdr. Linda M. Pottner, NCI
"For outstanding leadership in the innovative planning, implementation, and oversight of a landmark epidemiological investigation to explain excess cancer risks among African Americans."

Capt. Neil S. Buchholz, NIA
"For exceptional contributions to NIA in furthering high quality research on Alzheimer's disease through outstanding service as acting chief of the Dementias of Aging Branch."

Capt. James J. Butzow, NIA
"For recognition of a career of highly significant research achievements on the effects of metal ions and enzymes on nucleic acids, on the mechanism of transcription as well as studies on biochemical phenomena related to aging."

Cdr. Evan C. Hadley, NIA
"For organizing clinical trials demonstrating the value of new interventions to maintain physical independence among older persons."

Capt. John H. Kehrl, NIAID
"For innovative and productive research in the field of B-cell physiology."

Cdr. Joseph Kelaghan, NICHD
"For exceptional leadership in developing and directing a program of research into the effects of reproductive hormones on cardiovascular diseases in women."

Capt. Judith E. Fradkin, NIDDK
"For outstanding leadership in furthering the scientific accomplishments of the Endocrinology and Metabolic Diseases Programs Branch, DDEM."

Capt. Van S. Hubbard, NIDDK
"For successfully organizing the obesity research initiative for the DDDN, establishing the Division of Nutrition Coordination in the NIDDK and mounting a successful trans-NIH bionutrition initiative."

Capt. Robert T. Jensen, NIDDK
"For major contributions to understanding and treatment of severe ulcer diseases and for outstanding leadership as chief of the Digestive Diseases Branch, NIDDK."

Capt. George R. McCarthy, NIDR
"For outstanding professional accomplishments as a clinician and administrator and dedication to the principles of dentistry and the advancement of public health and scientific knowledge."

Capt. Michael M. Gottesman, OD
"For fundamental contributions to our knowledge of multidrug resistance in human cancer."

Capt. John G. Miller, OD
"For outstanding executive stewardship of the Office for Protection from Research Risks and national leadership in ensuring sound and cost-effective federal-wide animal welfare policies."

Outstanding Unit Citation

Vaccine Efficacy Trial Group, NIAID
Capt. Dale N. Lawrence
Capt. Robert D. Fischer
"For exceptional leadership in developing an HIV Prevention and Efficacy Trial Program."

National Digestive Diseases Data Working Group, NIDDK
Capt. Charles G. Helmick
Capt. Robert V. Tauxe
Capt. Dennis D. Juraneck
Cdr. David G. Addis
Capt. Patricia M. Griffin
Capt. Mary C. Dufour
"For outstanding performance in developing the first comprehensive review of the epidemiology of digestive diseases in the United States."

Commendation Medal

National Institute of Child Health and Human Development
Lcdr. Pamela Stratton

National Cancer Institute

Cdr. Patrick Elwood
Cdr. Charles Rabkin
Cdr. Richard Kaplan
Lcdr. Jeffrey Struewing
Cdr. Angela Manns
Cdr. Joanne Derdak
Cdr. Bruce Johnson
Lcdr. William Figg
Capt. Ilan Kirsch

National Institute of Allergy and Infectious Diseases

Cdr. Ernestine Smartt
Capt. Peter Gergen
Lcdr. Manette Niu
Cdr. Michael Parnell

Clinical Center

Ltjg. Lisa Dolan-Branton
Cdr. Robert Danner
Cdr. Charles Clark
Cdr. Peter Eichacker
Cdr. Anthony Suffredini
Cdr. Andrew Sparber

National Institute of Neurological Disorders and Stroke

Capt. Richard Yanagihara

National Institute on Drug Abuse

Capt. Raquel Crider
Capt. Daniel Mintz
Cdr. Janice Carico
Capt. Kesinee Nimit

Office of Research Services

Capt. Terry L. Christensen
Capt. Ernest William Brodt

Unit Commendation, CC

Lcdr. Janice Anderson
Lcdr. Elaine Ayres
Lcdr. Sara Bergerson
Capt. Alberta Bourn
Capt. Pamela Brye
Cdr. Marilyn Flood
Cdr. Denise Ford
Cdr. Sara Gillis
Lcdr. Celia Hayes
Lcdr. Jean King
Lcdr. Maureen Leser
Lcdr. Rosemary Parisi
Capt. Ainslie Pitcher
Capt. Janice Rary
Capt. Patti Riggs
Cdr. Nancy Sebring
Lt. Melissa Zafonte
Ltjg. Diane Hobbs
Ltjg. Stacey Feldman
Ltjg. Patricia Nottingham
Lt. Daniel Cline
Ltjg. Karen Vorsteg
Lcdr. Monique Petrofsky
Capt. Roger Broseus
Cdr. Josephine Divel
Lcdr. Robert Leedham
Lcdr. Shawn Googins
Capt. Janet Jones
Cdr. Janice Drass

PC Topic Session, July 6

DCRT's Distributed Systems Branch holds regular PC Topic Sessions designed to keep NIH'ers up to date on rapidly advancing PC technology. Featured Thursday, July 6, from 9:30 to 11 a.m. in Bldg. 10's Lipsett Amphitheater, will be Lotus Notes, a client/server document database with built-in messaging and programming environment.

Notes has both defined and dominated the groupware market. Available in Windows, Macintosh, and Unix clients, Notes stores any kind of information—text, graphics, spreadsheets, word processing documents—for workflow, collaboration, and data-sharing applications. Lotus will demonstrate the Notes environment, discuss replication and security, and briefly overview its new InterNotes Web Publishing add-on. □

Sickle Cell Volunteers Sought

NIDDK seeks individuals 18 years and older with sickle cell disease. Various protocols include an analgesic absorption study, blood and/or bone marrow sampling and a neurological function study. Treatment studies include administration of medication that may prevent red blood cells from sickling as well as reduce other complications from the disease. Some protocols offer reimbursement for participation. For more information, call Beth, 2-3087. □

Summer Training Highlights from DCRT

The Summer 1995 DCRT Computer Training Program term offers more than 50 classes and runs through August. Students can register by calling 4-DCRT, by sending email to 4DCRT@nih.gov, by submitting a simple 1-page form, or through WYLBUR's ENTER TRAINING command. All classes are free.

Internet

A mini Internet Expo in Lipsett Amphitheater, Bldg. 10, on July 18 will feature a reprise of some of the most popular sessions that were given at the full-day expo on May 9. These will include short sessions on an overview of the Internet and its importance to the NIH community, getting on the Internet, the basics of Telnet and FTP, and surfing the net with the World Wide Web.

Other Internet-related presentations will include an expanded version of the popular expo session on PARACHUTE, a pilot DCRT program to provide remote access to network services over an ordinary phone line; a session on LISTSERV electronic mailing lists; and a presentation on USENET news groups. "Netscape for the Mac" will provide a brief hands-on introduction to a popular Web browser, and "Introduction to HTML" will demonstrate the use of HyperText Markup Language to create Web documents. Separate sessions for PC and Mac users will highlight the network services available through NIHnet on PUBnet. "Introduction to Networks" and "LAN Concepts" will provide basics for those new to the world of networking.

Database

A special highlight of the summer term will be 15 offerings in database topics. Following "Relational Database Overview" there will be both introductory and advanced classes in SQL, the standard query language common to relational database systems on the PC, LAN and mainframe. A hands-on introductory workshop will be offered on the new NIH SQL processor that allows graphical query development, query storage and retrieval, and saving data in formats for a variety of desktop products such as Excel, Lotus 1-2-3, Sybase, dBase, and Paradox. A more advanced workshop, "Client/Server Database Connectivity Workshop," will show you how to install and configure the NIH SQL processor, ODBC drivers for desktop products and DRDA client support. Finally, advanced classes will cover SQL extensions for DB2 Version 4 and how to embed SQL in a

host language.

Seminars for Scientists

Dr. Gary Knott, author of the widely used MLAB software, will present a four-session course on mathematical modeling with illustrations from biophysics and biochemistry. This course will give researchers a solid understanding of the types of mathematical models and methods of analysis and will use numerous examples to illustrate their use in biomedical research.

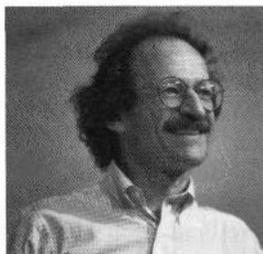
Other seminars of interest to the scientific community include "Protein Secondary Structure Prediction Methods" by Dr. Peter Munson, Laboratory of Structural Biology; "Using the Internet for Sequence Analysis" by Dr. Dale Graham, Distributed Systems Branch; and "Scientific Data Analysis: Resources at NIH" by Dr. James Malley, Distributed Systems Branch. Three members of the Laboratory of Structural Biology—Drs. Bernard Brooks, Jin Zhou, and Peter Steinbach—are offering linked seminars featuring films of computer simulations and demonstrating the techniques for producing them and their uses. The seminars, which are all being given on the afternoon of July 24, are titled: "The Temperature and Hydration Dependence of Protein Dynamics in Computer Simulations," COORPLAS: Generating 3-D Coordinates from Plastic Models, and "Creating Movies from Ray Trace Graphics."

UNIX systems are heavily used in the scientific community at NIH. This summer's program will offer "Fundamentals of UNIX," a 2-day hands-on introduction for those just starting to use UNIX, and "UNIX Commands" for those who have access to a UNIX system (Helix, Silicon Graphics, Sun, etc.) and who already have experience using basic UNIX commands. "Introduction to the Helix Systems" will provide an introduction to the services available on the central UNIX-based scientific systems.

Full information on the summer term is published the *DCRT Computer Training* brochure, available from the Training Program, Bldg. 12A, Rm. 1017, from ICD personnel offices and the User Resource Centers in Bldg. 31, Rm. B2B47 and EPS, Rm. T10. The information is also available on-line on the Web at <http://www.nih.gov/dcrt>, from the NIH Gopher Server at gopher.nih.gov, and via WYLBUR's ENTER TRAINING command. □

Varmus To Discuss Science Education

While perhaps best known as a Nobel laureate for his cancer research, NIH director Dr. Harold Varmus is also becoming known around NIH as an advocate of science education. He will share some of his personal experiences with science education outreach at a lecture Thursday, July 6 from 3 to 4 p.m. at the Natcher Auditorium.



Dr. Harold Varmus

Varmus has participated in numerous educational outreach programs since assuming the directorship at NIH, including teaching a course in the NIH Mini-Med School and giving the commencement address for the Biomedical Research Advancement: Saturday Scholars program. The focus of his lecture, however, will be highlights from outreach activities in his pre-NIH days at the University of California at San Francisco.

While at UCSF, he helped develop an educational video and teacher's guide that were produced after a public symposium on DNA. The video, *Winding Your Way Through DNA: Stories from Scientists*, tells about scientists who made key discoveries regarding DNA and about how

this knowledge affects the way we live today.

Following Varmus's talk, which is the second in the Office of Science Education lecture series, the NIH leadership and OSE will hold a reception in the atrium to honor employees who have participated in local science education initiatives.

The lecture and reception are open to everyone in the NIH community and to the public. □

Team Needs Four Postdocs

A multidisciplinary team of scientists from NCHGR and NINDS is recruiting for four postdoctoral research positions. In collaboration with Dr. Peter Pentchev, the project involves investigating the molecular basis of Niemann-Pick type C disorder and is composed of three areas: Drs. Danilo Tagle and Eugene Carstea (positional cloning), Dr. Melissa Rosenfeld (YAC complementation cloning), Dr. William Pavan (murine model studies). Candidates should hold an M.D. and/or Ph.D. and have less than 5 years of postdoctoral experience. Send a CV with bibliography, statement of research interests and the names of three references by July 15 to: NPC Search, NCHGR/NIH, 49/3A14, 49 Convent Dr. MSC 4470, Bethesda, MD 20892-4470, fax 2-4929. □

Chamber Concert Set, July 16

The Rock Creek Chamber Players will give a concert in the 14th floor assembly hall of the Clinical Center on Sunday, July 16, at 3 p.m. The program will include Mozart's piano trio in E major, K. 542; Holst's Terzetto for flute, oboe, and viola; Schoenberg's Phantasy for violin and piano; Mozart's Adagio for glass harmonica, K. 617a, arranged for flute, oboe, and viola; and J.S. Bach's Fifth Brandenburg concerto.

The concert, free and open to the public, is presented by the CC recreation therapy section. For more information call (202) 337-8710. □

NCRRC Unveils New Animal Facility in Bldg. 14C

NCRRC's Veterinary Resources Program (VRP) recently announced the opening of a new NIH rodent and rabbit facility. Located in the VRP complex on campus, Bldg. 14C offers expanded animal housing, husbandry, technical, and veterinary support services to NIH intramural investigators who use transgenic and other small laboratory animals for their research.

The special features of the renovated facility, as well as the staff trained in transgenic colony management, will allow VRP to accommodate special needs of investigators conducting small animal research.

"We in NCRRC are proud to lend support and strengthen the biomedical research effort by providing this new state-of-the-art facility to house and care for important research models," said NCRRC director Dr. Judith Vaitukaitis, at the ribbon-cutting ceremony recently.

Occupying 20,000-square feet in total, Bldg. 14C has been designed as both a specific pathogen free (SPF) and a conventional rodent-rabbit facility, with each area totally self-contained. There are 26 animal holding rooms, 4 isolation cubicles, 12 procedure rooms, a transgenic microinjection room, and a cagewash operation to service the SPF facility. The building conforms to all regulatory and accreditation requirements of the American Association of Laboratory Animal Care. □

Singers Needed by Group

Experienced sopranos and altos are needed for the NIH Chamber Singers. The group will be rehearsing and performing locally. Contact Jay, 3-1263, for more information. □

DEAF Hosts Brown Bag

Deaf Employees Advisory Forum members are having a monthly brown bag get-together to give all NIH hearing employees an opportunity to interact and learn to communicate with deaf employees in American Sign Language. The brown bag is usually held every second Wednesday in rotating buildings, 45 and 10's cafeteria. On July 12, it will be held in Bldg. 10 and on Aug. 9, it will be in Bldg. 45, for example. DEAF members are looking forward to meeting new people. For more information, call Blaise Delahoussaye, DEAF chair, 6-1872.

NIH Library To Cut Journal Subscriptions

The NIH Library plans to reduce the number of journals it subscribes to in 1996. Every year for the past 10 years the cost of biomedical journals has gone up an average of 10 percent. For 1996, the library expects an increase of up to 19 percent as a result of rising production costs and the devaluation of the dollar. This latter is significant since 44 percent of the titles the NIH Library receives are foreign.

Suzanne Grefsheim, NIH Library Branch chief, notes that in an era of flat or declining budgets, the library cannot maintain its current level of subscriptions in the face of this kind of inflation.

The Library Branch is looking at the following attributes to identify journals for possible cancellation: 1) duplicate subscriptions; 2) underutilized abstracts and indexes; and 3) high cost/low use journals. Grefsheim has also indicated that if the cost of buying individual articles from a supplier is significantly lower than maintaining a subscription to a journal, that title will be considered for cancellation as well.

The library's advisory committee will review the resulting list of titles before a final decision is made to cancel a journal subscription. Interested NIH staff may request a copy of the list from Grefsheim, 6-2447, or by email at GREFSHES@NIH.GOV. □