

THE NIH RECORD

Still The Second Best Thing About Payday

CIT, ICs Team Up to Address Year 2000 Problem

Have you wondered whether to believe all the talk about computers' Year 2000 problems? Are you concerned about how to make your equipment and software Year 2000 compliant? Well worry no more—a special software package that can tell whether your computers and machines are ready for the millennium is coming soon to your desktop.

Last month, the Center for Information Technology acquired evaluation software for NIH-wide use, then trained IC technical staff in its use. Beginning in September, IC technicians will visit you to help determine if your desktop is compliant.

The primary assessment tool is ClickNet Y2K, an application that can read critical Y2K BIOS chip and Real Time Clock (RTC)

SEE Y2K PROBLEM, PAGE 4

Office Away from the Office

On-Campus Work Center Opens

Anyone who works off campus but must come to the main campus for meetings knows how difficult it can be to make a phone call or check email while away from the office. On-campus colleagues are usually willing to lend their desks, telephones, and even personal computers to their off-campus cohorts; however, repeated requests can quickly become an annoyance. NIH's resolution to this dilemma was recently unveiled. On Aug. 3, NIH deputy director Dr. Ruth Kirschstein cut the ceremonial ribbon at the opening of the On-Campus Work Center.

The new center, located in Bldg. 31, Rm. 1A1E09 (a conference room behind the A-wing elevator banks), was the brainchild of John Miers, an employee of the National

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Brisk Bldg. 50 Construction Aided by Quality Planning

By José Alvarado

Construction of the new Consolidated Laboratory Facility, now in its second and final phase, is moving along swiftly thanks to advances in technology and total quality planning that have been adopted as the norm for NIH projects. These elements have made the 5-story structure known as Bldg. 50—slated to open in the year 2000—a model for state-of-the-art building on campus.

Bldg. 50 began its ascent from the excavation to the basement level last April with the award of a contract to Bell Co. of Rochester, N.Y., for phase 2 construction. "The first big goal is to build the entire 5 stories and penthouse concrete frame of the building by January 1999," said Frank Kutlak, Bldg. 50 project officer/architect from ORS's Division

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Workmen pour concrete for basement column.

'With Heart and Commitment'

McShane Uses 'Natural' Strength To Outmuscle Competition

By Carla Garnett

At first, Justin McShane's idea of a fun Sunday—whiling away a few hours in the yard with logs and rocks—may seem like a completely relaxing, nontaxing amusement. But to get a better handle on his pastime, you have to think way beyond twigs and pebbles: the logs—some made of metal—and the rocks—known as McGlashen stones—are tools of the strongman world, a world where such implements can weigh upwards of 300 pounds. For weekend kicks, McShane, encouraged by his training partners, tries to raise these heavy burdens off the ground and to shoulder height or overhead. In addition, during the week he spends 12 hours—3 hours a day for 4 days—practicing with free weights in a gym.



Strongman Justin McShane

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WORK CENTER, CONTINUED FROM PAGE 1

Institute of Mental Health. When asked about his inspiration for the project, he said, "I work in the Parklawn Building, and I come to the main campus for a fair number of meetings. There is often an hour or two of dead time between, before, or after the meetings. I am lucky in that my wife works in Building 31, so I could always go to her office to make a phone call or work between meetings. I realized, though, that there were a lot of people who



Dr. Ruth Kirschstein, NIH deputy director, cuts the ribbon opening the new On-Campus Work Center. With her is NIMH's John Miers, who envisioned the center as a place where off-campus NIH'ers could get work done while visiting the main campus.

needed a place to go when they came to the main campus, too. Through my involvement on the quality of work life committee, I pursued my goal of creating an on-campus work center."

Miers formed a subcommittee of the QWL comprised of employees from the Office of Research Services (Arturo Giron and Carmen Kaplan) and the Clinical Center (Carol Verderese). With the assistance of QWL members and Sharon Matheson and Theresa Franklin from the Office of Human Resource Management, the subcommittee found space and worked with the Center for Information Technology to acquire equipment donations. "There was a real commitment of CIT staff to provide this center with the very best available technology," said Marian Dawson, CIT executive officer, who attended the opening.

The center is equipped with three personal computers, two Macintoshes, and two plugs to accommodate individuals' notebooks. Two of the computers,



Mike Wright, TASC consultant from CIT, "has been our computer guru for getting the system up and running," said Miers. Here he helps an employee adjust to one of the center's five workstations.

a PC and a Mac, are wheelchair accessible, and all of the equipment has been secured. The room also houses five workstations, telephones, and a fax/copier machine. Any NIH'er may use the center, which is open daily from 7:30 a.m. to 5:30 p.m. The CIT help line will respond to calls from center users, and ORS staff will keep the room stocked with necessary supplies.

"I congratulate the quality of work life committee, and I thank the CIT, ORS, Office of the NIH Director, National Institute of Mental Health, National Cancer Institute, and National Institute of Allergy and Infectious Diseases for paying to support this center," said Kirschstein. "This center is a wonderful idea. I know because I used to work in the Westwood Building." She added, "As NIH continues to spread out across Montgomery County, this center is essential."

For more information, visit the QWL home page at: www1.od.nih.gov/ohrm/qwl/default.htm. ■

NIH director Dr. Harold Varmus recently delivered the 14th Hans L. Falk Memorial Lecture at NIEHS before an overflow crowd. He presented work going on in his NCI lab in his talk, "Making a Mouse Model for Glioma." The Falk Lecture recognizes the spirit of freedom of scientific inquiry and the pursuit of excellence in science embodied by NIEHS's first scientific director, Hans Falk.



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MIT's Lodish Gives Director's Lecture

Dr. Harvey F. Lodish, professor of biology at the Massachusetts Institute of Technology, will deliver the NIH Director's Lecture on Wednesday, Sept. 16 at 3 p.m. in Masur Auditorium, Bldg. 10. He will speak on the "Erythropoietin Receptor and the Control of Red Cell Production."



Dr. Harvey Lodish

Initially, Lodish's work focused on translational control of protein synthesis and on regulation of gene expression during differentiation of the cellular slime mold. He was first to define the biosynthesis and maturation of the vesicular stomatitis virus glycoprotein, identified intracellular organelles that mediate recycling of asialoglycoprotein and transferrin receptors, and

clarified the role of pH changes in iron delivery to cells and transferrin receptor recycling.

More recently, his group has elucidated the steps in folding and oligomerization of several proteins within the endoplasmic reticulum, shown that exit of newly made proteins from this organelle requires that they be properly folded, and developed probes for measurement of the redox state within the endoplasmic reticulum. His group has cloned and sequenced mRNAs encoding the erythrocyte glucose

transporter, the anion exchange protein, a transporter for free fatty acids, the human asialoglycoprotein receptors, the calcitonin and endothelial receptors, intestinal sucrose-isomaltase, the murine erythropoietin receptor, and two subunits of the TGF β receptor. These have been used to define the structure and synthesis of the proteins, to identify and sequence related genes that encode proteins of related physiological function, and, most recently, to elucidate the modes of signal transduction of the TGF β and erythropoietin receptors and their roles in tumorigenesis.

Lodish received his A.B. degree in chemistry and mathematics, *summa cum laude*, from Kenyon College in 1962, and his Ph. D. degree in genetics with Dr. Norton Zinder from Rockefeller University in 1966. Following 2 years of postdoctoral research at the MRC Laboratory of Molecular Biology with Drs. Sydney Brenner and Francis Crick, he joined the faculty of MIT's department of biology. He was promoted to professor in 1976, and in 1983 was appointed member of the new Whitehead Institute.

Lodish is a member of the National Academy of Sciences and a fellow of the American Association for the Advancement of Science. He is on the editorial board of the *Proceedings of the National Academy of Sciences* and on the board of reviewing editors of *Science*. He is an author of the textbook *Molecular Cell Biology*, now in its third edition.

The talk marks the return of the Wednesday Afternoon Lecture series in Masur Auditorium. For more information or reasonable accommodation, contact Hilda Madine, 594-5595. ■



John Czajkowski has been named chief financial officer for the Center for Information Technology. Czajkowski, who previously served as budget officer and deputy executive officer in the Office of the Director, will be responsible for oversight of budgetary and financial matters in the newly formed CIT.



Crying Time at NIEHS—With the grace of a fencer, Sy Holder, NIEHS property management unit head, puts his whole body into his auctioneering. He "cried" a recent surplus property public auction at the institute's warehouse in Research Triangle Park, N.C. The second auction in 7 months nearly cleared out the warehouse's supply of outmoded equipment including computers, copiers, case-work, typewriters and other items, bringing in \$3,134.50. All but 14 of the 125 lots offered were sold, at prices ranging from \$5 to \$180.



Dr. Teresa Nesbitt is the new scientific review administrator of the surgery and bioengineering study section, Center for Scientific Review. Since 1982, she has been with the division of endocrinology at Duke University Medical Center, where she was associate medical research professor. She has published extensively on the subject of metabolic bone disorders. Nesbitt has also been supported continuously by grants, primarily from the National Institute of Arthritis and Musculoskeletal and Skin Diseases, and leaves an ongoing NIH research project on the pathogenesis of vitamin D refractory disease. A veterinarian, she received clinical research training in veterinary surgery.

Y2K PROBLEM, CONTINUED FROM PAGE 1

functions. Through a one-time test that can be completed in about 3 minutes, ClickNet also inventories software titles residing on the machine, and compares these with a list of over 13,000 (and growing) commercial applications and their compliance status. ClickNet can then generate management reports so that ICs can decide whether to purchase new compliant software versions, install software patches, or take other action to resolve noncompliance hardware problems.

Computers with Y2K-compliant BIOS and RTC functions will receive a "Y2K Compliant" sticker. If the computer fails its testing, a noncompliant sticker goes on the machine until remediation is complete. CIT has distributed a separate BIOS remediation software product, TF2000, as part of this effort.

The "Y2K glitch" stems from a memory-saving shortcut used by early computer programmers. Systems were designed to process only the last two digits of a year, a convention that continues up to the present day. As a result, when automated systems roll over into the next century, they may incorrectly interpret "00" not as the year 2000 but 1900, causing them to perform miscalculations or in some cases to shut down entirely.

The Year 2000 problem is not limited to personal or mainframe computers. Equipment controlled by embedded microchips is also affected. Examples include biomedical laboratory equipment, telecommunications equipment, and automated facility systems. Future articles will deal with these different aspects of the NIH Y2K program, including a focus

**Y2K
Compliant**

A round sticker like this will mark computers that are ready for the year 2000.

on how researchers can check on the compliance of their biomedical equipment.

More information about NIH efforts to address Y2K can be found at the CIT Web site: <http://www.oir.nih.gov/y2000/>. In addition, you can contact your IC representative directly. The following individuals serve on NIH's Year 2000 Work Group and are available to answer your questions.

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NIAAA	Susan Teper	3-1300
NIAID	David Wise	6-6490
NIAMS	Patrick Maloney	6-0799
NICHD	Lynda Bennett	2-1978
NIDA	Connie Latzko	3-2018
NIDCD	Brenda Grimes	2-1128
NIDDK	Anne Robertson	6-9579
NIDR	Thomas Murphy	4-1259
NIEHS	Robert Hoppin	919-541-5786
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NIMH	Dawn Farr	3-4535
NINDS	Gahan Breithaupt	6-9244
NINR	John Martin	2-1446
NLM	Philip Nielsen	6-8434
CIT	Jaren Doherty	2-4445
CIT	Marilyn Allen	2-4452
CIT	Cheryl Seaman	2-4461

Price Break on Kids' Meals Available

The Executive Child Development Center, located at 6006 Executive Blvd. in Rockville, offers free and reduced-price meals for children under the sponsorship of the Child Care Food Program of the U.S. Department of Agriculture. For information contact Anne Schmitz, ECDC director, 496-9411.

The same meals are available to all enrolled children at no separate charge regardless of race, color, sex, age, handicap or national origin and there is no discrimination in admission policy, meal service or use of the facilities.

Any complaints of discrimination should be submitted in writing within 180 days of the incident to the Secretary of Agriculture, Washington, DC 20250. **R**



At the sixth annual environmental careers symposium sponsored by NIEHS, participants take a break to play the Project Wild Game "Oh Deer" that shows how environmental conditions—sometimes created or exacerbated by human actions—can leave deer hungry, thirsty and shelterless. This year's symposium attracted 235 students from 18 North Carolina high schools.

NHLBI, PAHO Announce Hypertension Initiative

NHLBI and the World Health Organization share something other than a desire to improve the cardiovascular health of people around the world. Both organizations are celebrating their 50th anniversary in 1998.

To mark the occasion, the groups joined with the Fogarty International Center and the Pan American Health Organization to sponsor a "Conference on the Pandemic of Cardiovascular Disease (CVD)" in the western hemisphere.

The 2-day conference, held recently at PAHO in Washington, D.C., brought together leading scientists and health professionals to develop strategies to combat the pandemic.

As part of that effort, NHLBI director Dr. Claude Lenfant and PAHO Director Sir George Alleyne announced the launch of a Pan American Hypertension Initiative (PAHI). This joint NHLBI-PAHO initiative will seek ways to promote the prevention and control of high blood pressure throughout the Americas.

Hypertension is estimated to affect about 25 percent of adults in North and South America, or about 140 million persons. Hypertension is a major risk factor for heart disease and the chief risk factor for stroke.

As a first step, NHLBI will host a workshop this fall at NIH to plan PAHI's upcoming activities.



Standing before the NHLBI exhibit at the Pan American CVD conference are (from l) NHLBI director Dr. Claude Lenfant, FIC director Dr. Philip Schambra, and Dr. Ruth Hegyeli, NHLBI associate director for international programs. PAHO PHOTO: ARMANDO WAAK

The recent pandemic conference covered such wide-ranging topics as the shifting global burden of disease, prevention and treatment opportunities, case studies of disease prevention, global tobacco control issues, ethnocultural issues, genetics, CVD and women, and CVD risk factors and children. ■

Conference on Contraceptives

A conference titled "New Models for Preclinical Evaluation of Vaginal Contraceptives," will be held Oct. 7-8 in Lister Hill Auditorium, Bldg. 38A. It will explore refinements and alternatives to currently used *in vitro* and *in vivo* models for preclinical assessment of safety and efficacy of vaginal contraceptives. The conference is free and open to the public, but registration is encouraged. For more information contact Peter Edwards of IQ Solutions at (301) 984-1471. Agenda and registration information are also available at <http://www.nih.gov/nichd/html/conferences.html>.

Symposium Begins Hispanic Heritage Observance, Sept. 15 in Masur

The National Cancer Institute and the National Institute on Aging will kick off Hispanic Heritage Month (Sept. 15-Oct. 15) with the annual NIH Scientific Symposium and Health Education Fair on Tuesday, Sept. 15 from 9 a.m. to noon in Masur Auditorium at the Clinical Center. This year's theme is "Abriendo Puertas (Opening Doors)—Biomedical Research and Hispanic Health Issues."

NIH deputy director Dr. Ruth Kirschstein will make opening remarks. NCI director Dr. Richard Klausner and NIA director Dr. Richard J. Hodes will join other scientists and health care providers from the Hispanic community in a panel discussion about current health issues affecting the Hispanic population. At the same time, a health information fair outside of Masur Auditorium will feature exhibits, posters and handouts in English and Spanish from many of the institutes. Both events are free to the public and refreshments will be served.



In a recent presentation, the National Institute of Neurological Disorders and Stroke became a beneficiary of the estate of Jane Pickerton, a New York-based advertising executive. Here, Dominic Della Valle (c), the estate's executor, presents a check for \$125,000 to NINDS deputy director Dr. Audrey Penn and director Dr. Gerald Fischbach. The funds are to be used for research into the causes of and possible cure for multiple sclerosis. Pickerton, a Northwestern University-trained journalist, resided near Longwood Gardens, Pa., and died June 4, 1997, of complications related to MS.

BLDG. 50, CONTINUED FROM PAGE 1

of Engineering Services. "The concrete is basically the leader in front of everybody else, while the rest of the trades follow along in sequence."

An essential component of Bldg. 50 construction is the computerized critical path method (CPM) schedule, which was developed by the Navy and first used in the construction of nuclear submarines.

CPM assigns durations and interconnects about 5,000 tasks to be completed in order to finish the project. These activities must all be executed in logical order. They are represented in a blackboard-size chart located in the main construction trailer, TR50A.



Construction quality manager Brian Temme points out details of the Critical Path Method.

PHOTOS: BILL BRANSON

"You try to do as many tasks as soon as possible in the overall schedule simultaneously, rather than have activities drag out consecutively," explained Kutlak. "More than a check-off list, it's a very dynamic, interactive matrix of all the activities that generates what is called a 'critical path.' The idea is to use the schedule to verify planning and to monitor progress so we can identify potential problems well in advance."

The site has already proven to be an on-campus model for innovative construction techniques. For example, conventional concrete framing has been replaced with a

"post-tension concrete system" in which "the design provides special steel cables that are tensioned with jacks shortly after the concrete hardens," according to Kutlak. These cables add

strength to the floor slabs and result in a design with 40 percent less concrete. He also mentioned how, in the building itself, interstitial levels, which are essentially walk-on ceilings, will speed up construction because "mechanical and electrical tradesmen will be working on their systems on the interstitial



Project Officer Frank Kutlak oversees progress on the Bldg. 50 site.

ceiling floor above, while carpenters will simultaneously install casework and finishes on the floor below." Once the structure is occupied, these interstitial floors will provide DES maintenance workers access to utilities without interrupting scientists' work.

Efficiency and total quality design in Bldg. 50 have already been recognized by HHS, which gave the project its "Energy and Water Conservation Award" because the mechanical design will save 40 percent in utility costs over other typical labs.

Best Value Procurement

Bldg. 50 incorporated a relatively new contracting and bidding process that emphasizes quality over initial cost. In a conventional bidding process, the institution chooses the construction contractor offering the lowest bid. But Bldg. 50, under the leadership of Contracting Officer Barbara Taylor, went through an innovative bidding procedure called "best value procurement (BVP)," in which proposals must exceed minimum requirements and emphasize quality. Bell Co., for example, was not the lowest bidder, but its overall proposal, including recent experience in erecting similar research labs, surpassed others in total quality standards and was selected as representing the "best value" to the government. So far, Bldg. 50 is the largest BVP project at NIH.

Safety First

Total quality management extends to the workers as well. Bell has a full-time safety manager onsite every day who makes sure the employees are observing safety rules. Recent OSHA requirements have made mandatory the wearing of a harness while working on the shoring. "They used to wear just safety belts, but the problem with that is that upon falling, a person could break his back," said Brian Temme, quality manager. "Harnesses support them all around and reduce the likelihood of injury. It's kind of like a parachute harness."

Total quality planning also involves attention to detail. "We insist on good housekeeping. Garbage containers are kept around the site so it doesn't become messy or littered. Equipment and tools are kept accessible, in plain sight, and materials are piled neatly. We stress that," says Kutlak, surveying the grounds. "A clean site is a safe site."

Construction Progress

Aside from some wet weather during phase 1, little else has slowed Bldg. 50 construction. "There was a major team effort to carefully plan all of this," said Kutlak. "And so far it has been going pretty much according to schedule. We finished phase 1 (including major utility relocation, excavation, and caisson foundations) with Manhattan Construction only a

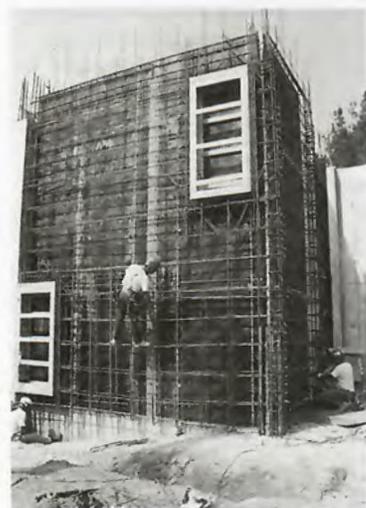


Basement perimeter wall surrounds interior columns.

below the original government estimate. Now we have to keep going and get as much done as we can, and not let any of the activities fall behind. Bell currently has 30 to 40 men working here. Ultimately, when they have the electrical, mechanical, plumbers, bricklayers and finishers as well as the concrete workers and carpenters, there could be as many as 200 men working here daily. Right now we are working on the most difficult portion—the basement, which is a different footprint



"Duriron" sewer lines go in before pouring of floor slab.



Rodmen install reinforcing steel on stairhall #4.

roof of Bldg. 12A; close-up digital photos of construction activity are posted several times a week. ■

few weeks behind schedule and have smoothly transitioned to Bell Co. in phase 2. We also recently closed out the phase 1 contract with no claims and

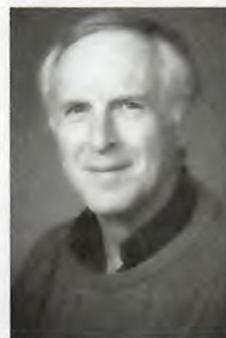
Three NIAID employees recently received the 1997 Presidential Meritorious Executive Rank Award.



They are Dr. John Y. Killen (l), director of the Division of AIDS; Dr. Malcolm A. Martin (middle), chief of the Laboratory of Molecular Microbiology; and Dr. Louis H. Miller, chief of the Laboratory of Parasitic Diseases. The award recognizes

the highest achieving career executives throughout the federal government. Killen was cited for his "superb scientific and managerial leadership" of DAIDS.

Martin was singled out as



the leader of 50 technical and professional staff who make LMM "one of the most productive and highly respected virology laboratories in the world." Miller was honored for his research innovation and leadership of one of the

major laboratories working on parasitic diseases and tropical medicine. Vice President Al Gore was the keynote speaker at the program "Excellence in Public Service."

Female Volunteers Needed

The Behavioral Endocrinology Branch, NIMH, is seeking female volunteers ages 18-45 to participate in studies of the effects of reproductive hormones on brain and behavior. Volunteers must have regular menstrual cycles with no changes in mood in relationship to menses, be free of medical illnesses and not taking any hormones or medication on a regular basis. They will complete daily rating forms and be asked to participate in one of several protocols. Payment will be in accordance with the duration of each visit and the type of protocol. For more information, call Linda Simpson-St. Clair, 496-9576. ■



ACOA's Sought for Studies

The National Institute on Alcohol Abuse and Alcoholism is currently seeking ACOA's (adult children of alcoholics) age 33 or older to participate in research studies. All participants will be compensated. For more information on protocol number 95AA0009, call 496-1993.

STRONGMAN, CONTINUED FROM PAGE 1

Sounds like fun, right?

On July 4, the former high school and Division I college wrestler-turned-amateur powerlifter reaped the rewards of his rigorous training. He became the grand national powerlifting champion of the Natural Athlete Strength Association (NASA) by winning first place in his weight category in three of the competition's divisions. He successfully completed 8 of 9 lifts for a total of 1,140.7 pounds on the day. He met some of the big-name heroes of his sport, and even spotted for Montario Woodson, who set an American record at the meet. He also burst a blood vessel in his eye. In essence, he had the time of his life.

"I have never met nicer people," McShane said. "There is a real sense of community among powerlifters. Everybody was willing to help me out."

This summer, his strongman reputation inadvertently came in handy at NIH. He was hired as a computer specialist in NIDDK's Laboratory of Genetics and Physiology. A self-taught WWW-page wizard, he helped design and maintain the lab's Web site for the Mammary Genome Anatomy Project and the Biology of the Mammary Gland Web site. Several weeks into his job, however, the lab moved



In one of his favorite photos, McShane competes at the NASA meet, bursts a blood vessel in his eye and gets encouragement from a hero of his sport, Montario Woodson (l).

lock, stock and barrel from the Clinical Center to Bldg. 8. Guess who was called upon for most of the heavy lifting?

"Justin really helped us out," said Dr. Lothar Hennighausen, lab chief, laughing, "but don't tell anybody. Summer students aren't supposed to lift anything heavier than 25 pounds." At 5'5" and 182 pounds at competition and 193 pounds now, the 21-year-old McShane is a far cry from the 118-pound Franklin and Marshall College sophomore he was in

1996, when a dislocated knee ended his wrestling career and forced him into a weight training rehabilitation program at the F and M Strength Training Center. Following encouragement and instruction by his first training partner, John Piotrowski, McShane's interest in lifting for sport developed. He began serious lifting in spring 1997. While studying abroad, he had signed on to work out at the National Coaching and Training Center at the University of Limerick in Ireland, where powerlifting (see sidebar for weight/powerlifting distinctions) folks there took him under their wing.

Last November in the Amateur Athletic Union Maryland State Bench Press and Iron Man

Powerlifting vs. Weightlifting: The Notion's in the Motion

Although the difference may seem subtle to the uninitiated, important body mechanics distinguish powerlifting from weightlifting. The difference is in the motion of the lifts.

In powerlifting, competitors are ranked on overall physical strength. Strength is determined by three separate lifts: the squat, which primarily tests the legs and lower back; the bench press, which measures upper body strength; and the deadlift, a barometer of back, leg and grip strength. Each competitor has three attempts at each lift, and must get at least one of each passed by the referees. Competitors are ranked on total, which is the sum of the heaviest weight successfully attempted in each of the three lifts. A good powerlifter needs to be strong in all areas.

In Olympic-style weightlifting, on the other hand, there are two events: the snatch and the clean and jerk. The snatch is an overhead lift where the weight is snatched up off the ground over the head of the competitor in a single motion. The clean and jerk is also an overhead lift where the competitor lifts the bar to shoulder height (the clean) and then jerks the weight overhead. "Powerlifting does not require the years of technique-perfecting



After a year-long break for school, McShane hopes his powerlifting success will continue.

training that Olympic weightlifting does," notes Justin McShane, a computer specialist who worked at NIDDK for the summer, and competes in both sports, as well as Strongman meets, which involve pulling, throwing and hauling heavy implements similar to events seen on ESPN's World's Strongest Man competitions. "However a good solid technique will enable the lifter to be more controlled and push harder. A bad technique is weaker, and also more prone to injury while training or competing." Although semi-retired for a year while he begins law school, McShane hopes to qualify for International Powerlifting Federation world competition in summer 1999.

Amateur Athletic Union Maryland State Bench Press and Iron Man Open, he competed for the first time as a lifter and came in third. He followed that meet with the 1st



McShane leans on some of the heavy equipment he helped move this summer.

Annual Beauty and the Beast Strongman Competition (which he said involved flipping over tractor tires weighing more than 400 pounds, pulling trucks on wet pavement, hurling tires for distance and "all that other crazy stuff you see on ESPN") in Quarryville, Pa., where he won fourth place in the under 200 pound class. By far his biggest win—and the one that has the most meaning for him—was the NASA grand national powerlifting title, where he won in the Pure (athlete who has never taken growth-enhancing drugs), Pure Novice (athlete who has never won a national competition), and Junior (athlete under age 23) categories.

"I consider NASA a very serious steroid-free, drug-free, drug-tested organization," he said, explaining the "natural athlete" concept. "Some people believe you have to take performance enhancers to be successful in lifting. I don't believe that. I believe it has to do with heart and commitment. You don't need drugs, and I will only compete in competitions that are substance free. I feel very strongly about this."

A modest guy who nearly declined to be interviewed for this story, he had composed a list of people he said contributed to his success.

"I really would like to thank my parents and my brother, and my training partners: professional strongman Gary Mitchell; Mark Keshishian, IPF Pan American champion; Bubba; and my long distance mentor and friend Bill Kazmaier (World's Strongest Man in 1980, 1981, 1982, first man ever to lift all five McGlashen stones in competition and two-time powerlifting world champion)," he said.

For now, McShane, who majored in government at Franklin and Marshall and left NIH Aug. 7 to attend Dickinson Law School in Carlisle, Pa., is semi-retired from competition. A 1994 graduate of Georgetown Preparatory School, he said he never took a science course in college and used his personal Web page as a resumé to apply for the NIDDK summer job because he was "tired of doing the summer camp counselor thing." After his freshman year of law school, he'll begin training again in hopes of qualifying for the International Powerlifting Federation's junior world competition.

"I think it's important for drug-free lifters to be seen as successful," he concluded, with a shrug. "I also think of it as a learning process." ■

NFBR Announces Salzman Fund

The family of noted virologist Dr. Norman P. Salzman has established a fund at the National Foundation for Biomedical Research (Foundation for the NIH) to support the Norman P. Salzman Memorial Award in Virology. The family has donated \$15,000 to start the fund. A committee of other colleagues, friends and relatives has contributed \$13,000 for a total of \$28,000 so far. The award from the endowed fund will be made on a regular basis to an outstanding young postdoctoral investigator in virology at NIH.

Dr. H. Clifford Lane, director, Office of Clinical Research, NIAID, will chair the review committee for the foundation. Details about the award and the nominations process will be forthcoming. The first award will be made in 1999.

Donations to the Salzman Memorial Award Fund can be made to the National Foundation for Biomedical Research, 1 Cloister Court, Bethesda, MD 20814. For more information, phone 402-5311. ■

A retirement party was held July 28 in honor of Sarah P. Payne's 35 years of government service. She began her career in April 1963 at the

General Services Administration, but spent the last 19 years at NIH as a contract specialist, first in the Division of

Procurement and then in the National Cancer Institute. Her career has been highlighted by many awards and commendations. For example, she received a substantial cash award for her use of procurement knowledge in the purchase of two mass spectrometers for the Division of Basic Sciences, NCI, resulting in considerable savings. Payne plans to enjoy her retirement by traveling and taking several cruises.



Long, Short Sleepers Sought

To complete a sleep study, NIMH's section on biological rhythms is looking for male and female volunteers ages 20-30 who routinely sleep 9 or more hours, or 6 or fewer hours. Volunteers must have no sleep disturbances or insomnia, plus no history of mental illness. They must be in good general health and not taking any medications or birth control pills. Study requires living on research unit for 4 consecutive days. Pay is available; call 496-6981. ■



Dr. Alexander Politis recently joined the Center for Scientific Review as scientific review administrator of the immunological sciences study section. Previously, he had been assistant editor of the Journal of Immunology, where he served as a section editor and began the "Cutting Edge," a new section in the journal for rapid review and publication of high impact immunology research and invited commentaries. Before his editorial position, Politis was a researcher at Human Genome Sciences, Inc., a research associate and then research assistant professor at the Uniformed Services University of the Health Sciences, and a graduate research assistant and lecturer in cell biology and immunology at the University of Maryland.

Workshop on Risks, Benefits of UV Radiation, Tanning

A workshop on the effects that ultraviolet A and ultraviolet B radiation have on the skin will be held at the Natcher conference center, beginning at 7 p.m. on Wednesday, Sept. 16, and adjourning at 2:30 p.m. on Friday, Sept. 18. Cosponsors include four institutes, CDC and FDA.

The purpose is to review the state of the science regarding ultraviolet A and ultraviolet B radiation, and to address the health effects of various methods of inducing a tan and using sunscreens agents. The meeting has public health implications, and recommendations resulting from it will guide future research. Attendees will include basic and clinical researchers, members of the medical community, and representatives from government, industry and the public. Visit <http://www.nih.gov/niams/grants/uvmeeting/> for the agenda and to register.

NHLBI Cholesterol Researcher Hoeg Dies

Dr. Jeffrey Michael Hoeg, a leading researcher in cholesterol and lipoprotein metabolism, died of renal cancer at his home in Potomac, Md., on July 21. He was chief of the section of cell biology in NHLBI's Molecular Disease Branch.

Hoeg was 46 and his sudden death came only months after his participation in a major NHLBI-sponsored conference on cardiovascular health. His colleagues remembered him as an extraordinary scientist but, above all, a warm and caring person.

"Dr. Hoeg was a remarkable scientist who made lasting contributions to our understanding of lipoprotein metabolism and its connection to



Dr. Jeffrey M. Hoeg

cardiovascular disease," said NHLBI director Dr. Claude Lenfant. "His death is a terrible loss for his colleagues and patients."

"Jeff was an outstanding physician," said Dr. Bryan Brewer, chief of the Molecular Disease Branch. "He had a special interest in children with familial hypercholesterolemia and played a central role in the development of new and

innovative treatment programs for them. Jeff was internationally known for the treatment of familial hypercholesterolemia and patients were referred to his care from around the world."

Brewer recalled Hoeg as a charismatic personality who had a wonderful sense of humor. "He was greatly admired by his colleagues and his patients. As a physician-scientist, he also was a superb role model and mentor for younger investigators. He guided each young scientist with great care and insight as their careers blossomed under his tutelage.

"All of us benefited from Jeff's warmth and enthusiasm," Brewer continued. "He will be greatly missed by all of us and his memory will be with us forever."

"For the last 9 years, one of the best parts of my week at NIH was going to the lipid clinic with Jeff," said Dr. James Cleeman, coordinator of the NHLBI's National Cholesterol Education Program. "Jeff was able to impart to others his excitement about the life of the mind and about life in general. Whether he was speaking to scientific colleagues, to the public as a lecturer, or to the press, he was a gifted teacher.

"He was also a kind, compassionate, dedicated and talented doctor, who went to great lengths to ensure the well-being of his patients," Cleeman

continued. "He took an interest in what they felt and started every session by asking about those parts of their lives that were unrelated to their condition, the parts that were the focus of their lives. He'd see a patient after 3 or 6 months and ask about that trip to Alaska or a child's progress in school.

"It's been hard to see the patients' faces as they come into the clinic and hear the news of Jeff's death. They cared so much about him and they're shocked and saddened like the rest of us at the loss.

"I'll always remember Jeff's zest for life and his optimism. He never lost that optimism, even when he was very sick and knew precisely what the outlook for his illness was. He taught us all how meaningful and full life can be."

Hoeg was born in 1952 in Gary, Ind. His record of achievement began early. He earned a bachelor's degree in biology in 1974 from Indiana University, graduating *summa cum laude* and Phi Beta Kappa. Three years later, he received a medical degree with honors from Indiana University in Indianapolis.

In 1980, Hoeg joined NHLBI as a research associate in the Molecular Disease Branch. He then served as a medical staff fellow and senior investigator before being named chief of the section of cell biology in 1991.

He became a PHS commissioned officer in 1980. He served the Clinical Center as a member of the options team and was named to the CC board of governors when that group was formed in 1996.

Hoeg coauthored about 125 articles and his work earned him such awards as the PHS Achievement and Commendation Medals. His research focused on the roles of lipoproteins, apolipoproteins, and cholesterol in the development of cardiovascular disease. His work on patients with specific inborn errors of metabolism was critical in identifying key factors that regulate lipoprotein metabolism and atherogenesis.

Hoeg belonged to many professional organizations including the American Association for the Advancement of Science, the American Heart Association's Council on Arteriosclerosis, and the American Federation of Clinical Research. Additionally, he was on the board of governors of the American College of Cardiology and was a fellow of the American Colleges of Physicians, of Nutrition, and of Cardiology. He also served on the editorial boards of such publications as the *American Journal of Cardiology* and the *Journal of Biological Chemistry*.

Survivors include his wife, Nancy Jean Hoeg, two daughters, Jessica Jean Hoeg and Laura Nicole Hoeg, his parents, Kenneth and Patricia Hoeg, and two sisters. ■



DWD Training Tips

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

Communication Skills

Editing: An Introduction

9/28



Woodrow Wilson High School seniors Chum Charncharadeth and Juan Benitez (second and third from l) have completed a 3-month student volunteer assignment with the Center for Information Technology's distributed systems section. The students set up and configured clients/servers, set up and maintained Web servers, developed and wrote software for Visual C++ and Basic, and developed a Web site for all Wilson High School interns. The students are participating in a new Wilson High program, SCIMATECH, which provides academic and workplace opportunities to students interested in mathematics, science or technology. Also shown are CIT staff Navid Khalili (l), Dr. Sanford Orlow (second from r) and DSS Chief Keith Gorlen (r).

CIT Courses and Seminars

All courses are on the NIH campus and are given without charge. For more information call 594-3278 or consult the training program's home page at <http://livewire.nih.gov>.

Creating Presentations with PowerPoint97	9/9, 23
Converting Data to Information	9/10
The NIH Contractor Performance System	9/10
Advanced Presentations with PowerPoint97	9/10
SAS Fundamentals I	9/14-15
MAX: Tools for ISPF Programmers	9/15
Desktop PC Security	9/16
SAS Fundamentals II	9/16-17
Database Technology Seminar	9/18
Molecular Modeling Interest Group Seminar	9/23

NIH Record Search Tool Available

Visitors to the NIH Record home page (<http://www.nih.gov/news/NIH-Record/archives.htm>) may have noticed a new search tool that recently became active. A subset of the main NIH Web site's search function, this new tool looks exclusively through all online files of the NIH Record. There are limits though—only issues from September 1996 (and soon, August 1996) forward are searchable in this manner.

To query the NIH Record files for issues earlier than fall 1996, drop by our office in Bldg. 31, Rm. 2B03. All issues, dating back to May 1949, when the Record debuted, are available for reference, as is a card file organized by name and subject. The office is open from 7:30 a.m. to 4 p.m. daily. **R**



Scott Collins, a computer specialist at the Center for Information Technology, recently graduated from the University of Maryland University College. He was awarded a bachelor of science in computer studies. He maintained a 3.61 GPA and is currently enrolled in the NIH computer support coordinators Microsoft certified systems engineer training program. Collins is the NIH Parachute remote access Webmaster and teaches several information technology classes in the CIT Training Program.

WFLC/EAP Hold Seminar Series

In an effort to create employee awareness and help solve life's problems, the NIH Work and Family Life Center and the Employee Assistance Program are presenting a series of seminars called the "Faces and Phases of Life."

The series addresses topics that will help employees optimize their personal and professional performance. Following some of the seminars, there will be a discussion group for those interested in exploring the topic further. The sessions will be held from noon to 1 p.m. on the following dates:

Date	Location	Session
Sept. 10	1/Wilson Hall	Living to Work or Working to Live?
Oct. 1	31/6C6	Dilemmas of Being Single in a Modern World
Oct. 15	31/6C8	Discussion Group: Single Life
Nov. 5	31/6C10	Dealing with Workplace Change
Dec. 2	31/6C10	Committed Couples: Deepening Connections in a Disconnected World
Jan. 6, 1999	31/6C7	Discussion Group: Committed Couples
Jan. 13	31/6C6	Stress Management in the New Workplace
Feb. 11	31/6C10	Starting Over: Divorce Recovery Issues
Feb. 25	31/6C7	Discussion Group: Divorce Recovery
Mar. 10	31/6C6	Shifting Perspectives: Hidden Powers of Midlife
Mar. 25	31/6C7	Discussion Group: Midlife
Apr. 14	31/6C6	Midlife Career Choices
May 13	1/Wilson Hall	Retirement: Life After NIH
June 10	1/Wilson Hall	In the Middle: Caring for Children, Aging Parents and Yourself
June 17	31/4C32	Discussion Group: Elder Care

Wednesday Afternoon Lectures

The Wednesday Afternoon Lecture series—held on its namesake day at 3 p.m. in Masur Auditorium, Bldg. 10—returns from summer vacation on Sept. 16 with a presentation by Dr. Harvey F. Lodish, professor of biology at MIT and member of the Whitehead Institute for Biomedical Research (see story, p. 3).

On Sept. 23, Dr. Charles J. Sherr, HHMI investigator and chair, department of tumor cell biology, St. Jude Children's Research Hospital, will lecture on "Integration of Oncogenic Signals by the ARF and p53 Tumor Suppressors." This is an NIH Director's Lecture.

There are no lectures Sept. 30 and Oct. 7.

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



This year's National Hispanic Youth Initiative in Health, Biomedical Research and Policy Development brought 83 high-achieving Latino high school students from across the nation and Puerto Rico to NIH in 2 weekly sessions held recently. John Medina, OEO Diversity Program manager, and Levon Parker, NINDS minority and special concerns program officer, as well as a cadre of Hispanic scientists and interns, introduced students to a range of careers in health research. Below, seasoned Latino student-researchers recounted how their experiences at NIH labs helped them choose careers in biomedicine. The opportunity to do an internship at NIH turned around the life of Daniel Perez (r), who dropped out of high school several times while fathering 4 children, and now is on a path to a career in science.



Fire Prevention Slogans Sought

Fire up your imaginations and think up a nifty slogan for NIH's observance of National Fire Prevention Week. If you win the contest, open to everyone (except members of the sponsoring Emergency Management Branch), your idea appears on next year's commemorative posters at NIH, along with your name. You can enter as often as you like, and entries should be snappy one-liners about fire prevention. Be sure to print (legibly) or type your slogan on a sheet of white paper. If you submit multiple candidates, rank them in order of preference. Entries are due by Sept. 30. Send or fax entries to the fire prevention section, Bldg. 15G, Rm. 2. Fax number is 402-2059. For more information call 496-0487.

Monstrously Successful 'Frankenstein' Exhibit Extended at NLM Through November

The National Library of Medicine's popular exhibition, "Frankenstein: Penetrating the Secrets of Nature," has been extended through Nov. 30, 1998. Originally slated to end in August, the exhibit explores not only the popularization of the Frankenstein myth but also broader questions about the public's fear of science and its powers. It examines scientific developments that likely influenced Mary Shelley when she wrote *Frankenstein* in 1818, and also reviews Hollywood's take on the Frankenstein story (including clips from several films).



A recently added feature is a video kiosk that features an interview with Sara Karloff, daughter of actor Boris Karloff. Boris Karloff's performance in the 1931 film *Frankenstein* earned him international acclaim. (Incidentally, *Frankenstein* was just listed among the American Film Institute's Top 100 American films of all time.) Ms. Karloff talks candidly about her father as he was, on and off screen, and shares her family's home movies.

"Frankenstein" is open during regular library hours (except federal holidays), 8:30 a.m. to 5 p.m. weekdays (Thursdays until 9 p.m.), and 8:30 a.m. to 12:30 p.m. Saturdays, in the lobby and rotunda of Bldg. 38. ■



NIH received an honorable mention citation recently for the 1998 OPM Director's Award for Outstanding Work and Family Programs. Steven Cohen, director of OPM's Office of Workforce Relations, presented Corliss Taylor, director of NIH's Work and Family Life Center, with a plaque for the agency's creation of an environment that supports employees who are balancing the increasing demands of their work and personal lives.