

The NIH Record

NIH Museum to House Biomedical Artifacts

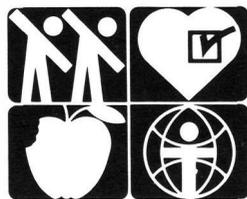
As a part of the NIH Centennial observation, Dr. James B. Wyngaarden has announced the establishment of the NIH Museum of Medical Research.



Dr. Dewitt Stetten Jr., and Dr. Victoria A. Harden examine calculating instruments which will be in the new NIH Museum for Medical Research.

The museum will collect and exhibit biomedical research instruments and other artifacts related to NIH's history. Intended to
(See MUSEUM, Page 6)

Health, Safety & Security Expo Kicks Off Centennial



1986 Health, Safety and Security Expo

Sponsored by the Division of Safety
Office of Research Services

"Health Pursuit"

A Health, Safety, and Security Expo for all NIH employees will be held Oct. 16-17, from 10 a.m. to 3 p.m. in the ACRF at the Clinical Center. It is being sponsored by the Division of Safety in collaboration with several NIH Institutes and the R&W Association. Fitness, nutrition, health checkups, safety and security will be emphasized. Shuttle service will be increased to every 15 minutes to and from off-campus buildings during the Expo.

Expo will provide each NIH employee with an opportunity to reevaluate his or her lifestyle by offering screening programs on hypertension, skin cancer, periodontal health, blood cholesterol and body composition analysis, and introduce steps people may use to pursue a healthier lifestyle.

Employees entering the Expo will be asked to participate in the game of "Health Pursuit"

NIH Centennial Observance Starts October 16

NIH's 100-year anniversary observance begins Oct. 16. "A Century of Science for Health"—the theme of the Centennial—will be observed on campus, nationwide and internationally throughout the coming year. Many activities and events are planned to help inform Americans about the exceptional accomplishments in American biomedical science during the past century, and of the role that NIH has played in achieving them.

The NIH Centennial opening ceremony will be held Oct. 16 in Masur Auditorium at the Clinical Center at 10 a.m. Participants include Secretary Otis Bowen, and other officials from the Department of Health and Human Services, members of Congress, and many honored guests, including all living former Directors of NIH.

Health benefits to Americans resulting from biomedical research accomplishments over the past 100 years are unparalleled. Today NIH supports 90 percent of the basic biomedical research done in this country.

NIH began in 1887 as a one-room "Hygienic Laboratory" in a Marine Hospital on Staten Island. In 1891, the laboratory moved to Washington, D.C. It was relocated again, in 1938, to Bethesda, Md., and in 1940, the Hygienic Laboratory became the National Institute of Health. In 1948, the name was changed to the National Institutes of Health.

NIH started in 1887 with a sole researcher, Dr. Joseph Kinyoun, and has grown to over 14,000 people in 1986.

A highlight of the Centennial events will be a four-part public television series scheduled for broadcast in the fall of 1987 on biomedicine's scientific accomplishments. The series will portray the partnership of academia, the private sector and publicly supported research that has brought about this revolutionary century in the biomedical sciences. Ancillary educational materials including "teacher cassettes" based on the television programs will be distributed to some 20,000 high schools and community colleges.

An NIH traveling exhibit will be displayed in major science museums and learning centers around the Nation. The Smithsonian Institution will have a year-long "Case of the Month" exhibit on the main floor of the National Museum of American History.

On campus, Dr. Kinyoun's original microscope will be loaned to NIH by the Smithsonian and placed on display in the ACRF Visitor Information Center, together with a vial of diphtheria antitoxin labeled "Hygienic Laboratory—1893."

Each of the NIH Bureaus, Institutes, and Divisions will have a particular month in which to conduct Centennial-related activities with their grantee institutions and constituent organizations with emphasis on public education programs. In addition, each BID will link to the Centennial's regularly scheduled activities such as annual lectures throughout the year.

Many scientific societies, voluntary health organizations and research institutions have
(See CENTENNIAL, Page 2)

cludes airfare and hotel, will be provided by Ober Travel.

GSI Services will be serving samples of nutritious food from the "Eat Well Be Well" series at the VIC, as well as a special menu at all cafeterias. Rules of play, and exhibit guide for "Health Pursuit" will be available at the Expo information booth Oct. 16.

"Health Pursuit" will be the first employee-oriented event of the NIH Centennial celebration. It will serve as a forum for highlighting and sharing the excellent resources that have been developed by NIH to aid in preventing and reducing major health problems.

"Health Pursuit" promotes and demonstrates how everyone can take personal responsibility for their own health, safety and security at work as well as at home.

(See EXPO, Page 3)

TRAINING TIPS

The NIH Training Center, Division of Personnel Management offers the following:

Courses and Programs Dates
Management and Supervisory 496-6371

Working With Personnel Differences MBTI I	10/28
Strategic Planning for Productive Results	10/24
Managing Behavior in the Work Environment	10/29
Using Animals in Intramural Research:	10/30
Guidelines for Investigators	
Performance Appraisal Counseling	12/1
Working With Personnel Differences	12/10
Managing Your Meetings	1/19
Effective Presentation Skills	1/21

Office Skills 496-6211

Advanced Typing	10/14
Introduction to Working at NIH	10/15
Time & Attendance	12/10
Effective Listening Skills	11/24
Working With Personnel Differences: MBTI for Support Staff	11/3

Special Programs 496-6211

Adult Education	
Training & Development Services Program	Continuous Availability

SHARE TRAINING: An online catalog available by accessing WYLBUR. Enter SHARE TRAINING. First time users only, enter: x fr &agslugL.@@share(setup) on file37

NIH Women Dominate 10-Mile Anniversary Run

The 11th Annual NIH Health's Angel's Anniversary 10-Mile Run took place Sept. 21.

For the second straight year an NIH runner won the woman's division, with Alison Wichman, 34, finishing in 69:02. In fact, NIH women dominated their division this year, taking three of the top four positions as Kate Callen, 31, and Shannon McCarthy, 43, were second and fourth, respectively. Ms. McCarthy also won the gold medal for her age group.

Ben Beach of the D.C. Harriers returned to defend his title and even took 10 seconds off his last year's time as he finished in 55:20. In third place overall—and the fastest NIH male runner—was John Bacon, 24, with 57:35. He also took the gold medal in the highly competitive 20- to 29-year-old age bracket.

The Unbody Award—which goes to the fastest runner whose weight in pounds is equal to or more than 2.5 times his height in inches—had a sentimental touch this year as its inventor, and the founder of the Anniversary 10-Mile Run, returned to capture the prize. Al Lewis, 38, NIH alumnus and past president of the Health's Angels, finished with a creditable 76:15. □

CENTENNIAL

(Continued from Page 1)

scheduled formal salutes to the NIH during the Centennial year. At the 1987 World Health Assembly, recognition will be given to the NIH Centennial and, to honor NIH, the European Medical Research Council will meet in Bethesda June 8-9.

Nobel Laureates

In March 1987, a White House dinner/reception is being planned in honor of the NIH and the U.S. Nobel Laureates—60 of whom received NIH support prior to receiving the prize.



An NIH Open House is scheduled for Oct. 11-14, 1987, which will include NIH employees, residents of the Washington, D.C., metropolitan area, students from neighboring schools, civic groups, etc.

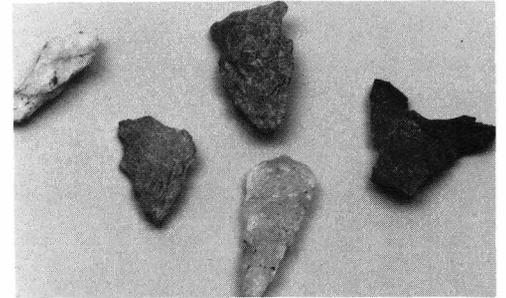
A major event is scheduled for Oct. 16, 1987, at which time a commemorative sculpture honoring "A Century of Science for Health" and the future of biomedical research will be dedicated. The President will be invited to speak, as well as other distinguished guests from Congress, academia, the private sector, alumni, and NIH staff.

Alumni Weekend

The culmination of the NIH Centennial will be an alumni weekend Oct. 15-18, 1987, with a series of day-long scientific symposia on the NIH campus Thursday and Friday, climaxed by a plenary symposium in the concert hall of Kennedy Center, Oct. 17. The reunion banquet will be held Saturday evening at the Pension Building (which was completed in 1887) and has been the site of several inaugural balls.

On the last day, a brunch will be held on campus for NIH alumni and friends to say farewell.—Joyce McCarthy □

Campus Archeological Finds Will Be on Display Oct. 16-17



Archeological artifacts as much as 5,000 years old will be on display in the Visitor Information Center of the ACRF Oct. 16 and 17 during the NIH Health, Safety, and Security Expo. Arrowheads, projectile points, drills, hammers, scrapers, and small pieces of broken pottery have been recovered from the Taylor Site near the National Library of Medicine, named in honor of Vernon N. Taylor, an NIH employee and amateur archeologist.

The Taylor Site is an extremely important archeological find because it is the only one of its kind to be found in a stratified and undisturbed condition. The site was used by indigenous peoples (Indians) as a temporary campsite during hunting expeditions for the past 5,000-10,000 years. Members of the Rockville and Magruder High Schools' Archeology Clubs under direction of an American University scientist are completing final recovery of the artifacts. □

The NIH Record

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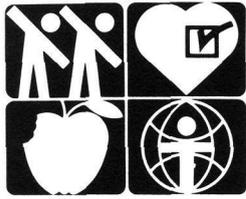
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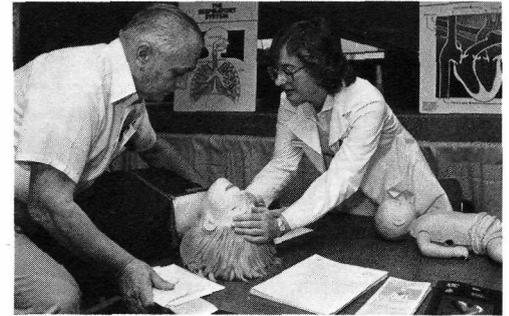
1986 Health, Safety and Security Expo

Sponsored by the Division of Safety
Office of Research Services

"Health Pursuit"

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Date	Activity	Location	Hours
Oct. 16	Expo Opens	ACRF, Visitor Information Center (VIC)	10 a.m.
Oct. 16	Preventing Sexual Assault, Mont. County	ACRF, Amphitheater	1-2 p.m.
Oct. 16	Dermatological Screening, NCI	OMS, ACRF, 6th Floor	1-3 p.m.
Oct. 16-17	Periodontal Screening, NIDR	Dental Clinic Bldg. 10/1B20	9 a.m.-12 p.m.
Oct. 16-17	Blood Cholesterol Screening, DS	ACRF/VIC	10 a.m.-3 p.m.
Oct. 16-17	Blood Pressure Screening, DS	ACRF/VIC	10 a.m.-3 p.m.
Oct. 16-17	Seat Belt Persuader, DS	Bldg. 10, Outside B1 Cafeteria	10 a.m.-3 p.m.
Oct. 16-17	Nutrition and You, NCC	ACRF/VIC	10 a.m.-3 p.m.
Oct. 16-17	Cooking Demonstrations, GSI	ACRF/VIC	10 a.m.-3 p.m.
Oct. 16-17	Canine Demonstration, DS	Bldg. 10, Outside B1 Cafeteria	10 a.m. & 2 p.m.
Oct. 16-17	Toxic Chemicals in the Home, DS	ACRF/VIC	10 a.m.-3 p.m.
Oct. 16-17	Ergonomic Office Environments, DS	ACRF Patient Waiting Area	10 a.m.-3 p.m.
Oct. 16-17	Montgomery County Crime Prevention and Child Safety Vans	ACRF Front Drive	10 a.m.-3 p.m.
Oct. 16-17	Fire Extinguisher Training, DS	ACRF Front Lawn	10 a.m.-3 p.m.
Oct. 16-17	Bike Safety R&W	ACRF Front Lawn	10 a.m.-3 p.m.
Oct. 16-17	Protecting Your Senses, DS	ACRF/VIC	10 a.m.-3 p.m.
Oct. 16-17	Office Fitness, NIH Fitness Center	ACRF/Patient Waiting Area	10 a.m.-3 p.m.
Oct. 16-17	Standing Tall, Lifting Right, CC Rehabilitation	ACRF/Patient Waiting Area	10 a.m.-3 p.m.
Oct. 16-17	Eat Well, Be Well Menu, NCC-GSI	All NIH/GSI Cafeterias	11:30 a.m.-1:30 p.m.
Oct. 16-17	Raffles, DS	ACRF/VIC	10:30 a.m.-2:30 p.m. every 1/2 hr.
Oct. 16-17	Health Risk Appraisal, DS	ACRF/VIC Little Theater	10 a.m.-3 p.m.
Oct. 16-17	Nutrition Analysis, DS	ACRF/VIC Little Theater	10 a.m.-3 p.m.
Oct. 16-17	Body Composition Analysis, DS	ACRF/VIC Little Theater	10 a.m.-3 p.m.
Oct. 16-17	Stress Management Techniques, DS	ACRF/VIC	10 a.m.-3 p.m.
Oct. 17	Dermatological Screening, NCI	OMS, ACRF 6th floor	1:30-3 p.m. <input type="checkbox"/>



"Play to Win" a trip to the Bahamas through the game of "Health Pursuit" at the Expo Oct. 16-17 in the ACRF.

Blood Cholesterol Test

The Occupational Medical Services (OMS) and the Recreation and Welfare Association (R&W) will offer blood cholesterol screening at the Division of Safety's Health, Safety and Security Expo. There is a \$3 fee payable to R&W for the screening.

The procedure is:

- Beginning Oct. 8, pay \$3 at one of the R&W stores (Bldg. 10, B1C06; Bldg. 31, B1W30) or the NIH Fitness Center. On Oct. 16 and 17 pay \$3 at the R&W/Expo Information Booth.
 - Obtain a lab form and envelope when fee is paid.
 - Complete lab form with: Name, sex, age, and date of screening.
 - Write name and NIH mailing address on front of envelope.
- Lab results and a letter of explanation will be mailed within 2 weeks of screening.

Talk to the Experts

Look for the "Talk to the Experts" consultation booth at the Visitor Information Center where specialists representing the Division of Safety and the Institutes will be available to answer questions and discuss the following topics at designated times.

Oct. 16	Adult Oral Hygiene, NIDR	10:00-11:00
"	NIH Detective, DS	11:00-12:00
"	Blood Cholesterol, NHLBI	12:00-1:00
"	Smoking and Cardiovascular Risk, NHLBI	1:00-2:00
"	Cancer Prevention and Treatment, NCI	1:00-3:00
Oct. 16-17	Cardiovascular Risks, NHLBI	10:00-3:00
Oct. 17	Preventing Periodontal Disease, NIDR	10:00-11:00
"	NIH Detective, DS	11:00-12:00
"	Blood Pressure, NHLBI	12:00-1:00
"	Diet and Cancer, NCI	12:00-1:00
"	Cancer Prevention and Treatment, NCI	1:00-3:00 <input type="checkbox"/>

Ski Club Meets Oct. 2

The NIH R&W Ski Club will meet on Thursday, Oct. 2 at 7:30 p.m. in Wilson Hall, Bldg. 1.

The club has three major trips planned for the ski season: Greek Peak, N.Y., Jan. 16-19; Canaan Valley, W. Va., Feb. 13-16; and Park City, Utah, Mar. 7-14.

'Raft and Feast' Day Oct. 12

Enjoy an afternoon of whitewater rafting and a crab feast on Sunday, Oct. 12, in the Harpers Ferry area. Cost is \$42 and includes a 4-hour raft trip, lunch on the river, and all-you-can-eat crabs. Children under 16 must be accompanied by an adult. Sign up at the R&W Activities Desk, Bldg. 31, Rm. B1W30.

NICHD Sponsors Workshop On Sex Differentiation

A workshop on "Genetic Markers of Sex Differentiation" will be held Thursday and Friday, Oct. 9 and 10 in the 14th floor auditorium of the NIH Clinical Center.

Sponsored by the National Institute of Child Health and Human Development's Center for Population Research, the meeting will provide a forum for leading scientists in the field of sex determination research to discuss their recent results and views.

Presentations will cover current views of the theories of sex determination, the relationship of the H-Y antigen and sex determination, and the use of DNA probes for the evaluation of human intersex status.

There will be sessions on evolving sex models, chaired by Dr. Roger Short, Monash University; genes and genetic models chaired by Dr. Ellen Goldberg, University of New Mexico; and mechanisms of sex determination in humans chaired by Dr. Paul McDonough, the Medical College of Georgia. Dr. Duane Alexander, NICHD Director, will give an introductory presentation.

Registration will begin at 9 a.m. on Oct. 9 and the program will start at 10 a.m. For more information or to register, call Dr. Michael E. McClure at 496-6515. □

Conference on Rheumatology Research To Be Held Oct. 20-21

A conference on "Molecular Biology: Its Potential for Advancing Rheumatology Research" will be held in the Clinical Center, Masur Auditorium on Oct. 20-21. It is sponsored by the National Arthritis Advisory Board and the National Institute of Arthritis and Musculoskeletal and Skin Diseases.

The purpose of the conference is to determine what impact recent important advances in molecular biotechnology have had on research on rheumatic diseases, and even more importantly, what potential breakthroughs might be made by more rapidly focusing such techniques on arthritis research. The meeting is an event in celebration of the NIH Centennial.

This conference will bring together leading investigators using these techniques to study rheumatic diseases and renowned molecular biologists not currently involved in the study of rheumatic diseases to discuss potential applications for these techniques and specific future directions for rheumatology research.

Those interested in registering should contact Dale Singer, 468-6555. □

Platelet Transfusion: Safety and Merits Subject of Consensus Conference in October

The National Heart, Lung, and Blood Institute, the Center for Drugs and Biologics of the FDA, and the Office of Medical Applications of Research, NIH, are sponsoring a Consensus Development Conference on Platelet Transfusion Therapy, Oct. 6-8, Masur Auditorium, CC. The conference will focus on the indications for and risks of treatment with human blood platelets. Alternate therapies for patients with platelet disorders will also be considered.

Draft Statement

The consensus conference will bring together clinical and basic investigators interested in platelets, specialists in transfusion medicine, surgeons, anesthesiologists, consumers, and representatives of public interest groups.

Following 2 days of presentations by medical experts and discussion by the audience, a consensus panel will weigh the scientific evidence and formulate a draft statement in response to several key questions:

- What are the appropriate indications for platelet transfusion?
- What products are available, what are their relative merits, and in what dose should they be administered?
- What are the risks associated with platelet transfusion?
- What are the most important directions for future research?

On the final day of the meeting, the consensus panel chairman will read the draft statement before the conference audience and invite comments and questions.

To register to attend the conference or for further information, contact Sharon Feldman, (301) 468-6555. □

Learning Disabilities Focus Of Public Hearing Oct. 15

Parents, teachers, physicians and other interested persons are invited to attend and speak at a public hearing on learning disabilities on Oct. 15. The meeting starts at 9 a.m. in Bldg. 1, Wilson Hall.

The meeting is sponsored by the Interagency Committee on Learning Disabilities. Its purpose is to gather data and hear the views of individuals and organizations on research priorities, activities and findings about learning disabilities.

The committee was established in February 1986 at the request of the U.S. Congress and includes representatives from 5 of the 12 Institutes, the Food and Drug Administration, Centers for Disease Control, Education Department and other Federal agencies. By May 20, 1987, the group must report to Congress on the scope, causes, diagnosis, treatment and prevention of learning disabilities, and recommend legislative actions and research priorities in this area.

Presentations at the hearing will be limited to 15 minutes. Individuals who wish to speak are asked to register in advance with, and submit copies of their presentations to the committee's executive secretary, Dr. James F. Kavanagh, NICHD, Landow Bldg. Rm. 7C03, Bethesda, MD 20892; phone: 301/496-5097. □

Preschool Has USDA Funds For Free, Reduced-Price Meals

The NIH Preschool Developmental Program offers free and reduced-price meals for children under the sponsorship of the Child Care Food Program of the U.S. Department of Agriculture.

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 the use of facilities.

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

Eligibility for free and reduced price meals is based on the following income scales effective from July 1, 1986, to June 30, 1987.

Eligibility Chart

Family Size	Eligibility Scale for Free Meals	Eligibility Scale for Reduced-Price Meals
1	\$0 - \$ 6,968	\$ 6,969 - \$ 9,916
2	\$0 - \$ 9,412	\$ 9,413 - \$13,394
3	\$0 - \$11,856	\$11,857 - \$16,872
4	\$0 - \$14,300	\$14,301 - \$20,350
5	\$0 - \$16,744	\$16,745 - \$23,828
6	\$0 - \$19,188	\$19,189 - \$27,306
7	\$0 - \$21,632	\$21,633 - \$30,784
8	\$0 - \$24,076	\$24,077 - \$34,262
Each additional family member add	+ \$2,444	+ \$3,478

The NIH Preschool Developmental Program is located in Bldg. 35, Rm. 1B05. For more information, call Pat Gokey or Vanessa Fuss, 496-5144. □

Camp Fantastic: 'A Gift Beyond Words'

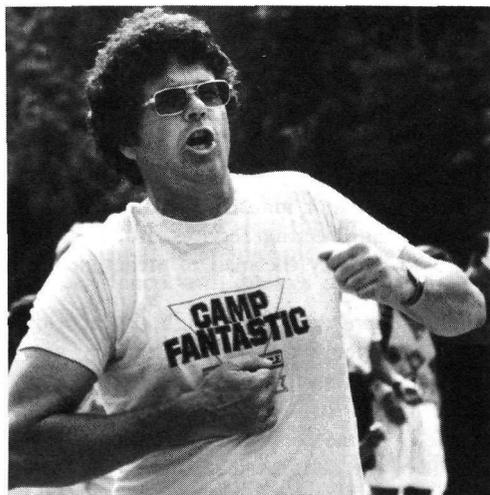
By Anne Barber

"People helping people, that's what Special Love is all about," says Tom Baker, founder of Special Love, Inc., which sponsors Camp Fantastic each year.

Tom and his wife, Sheila, started Special Love and Camp Fantastic in January 1983. Having lost a daughter to cancer in 1976 at the age of 13 (she was a patient at NIH), they were very conscious of the problems children with cancer and their families face.

In 1982, Tom, who operates his own construction company in Winchester, Va., saw an article about a man who started a camp for such children in New York State. He and his wife visited the camp and came back with the determination to start one in this area.

The Bakers contacted Dr. Philip Pizzo, chief, Pediatric Branch, NCI's Clinical Oncology Program, and John Dooley of the 4-H Center. After months of work and help from lots of people, Special Love, Inc. was founded.



Tom Baker leads the group in the rousing camp song as they prepare to bid each other farewell.

The camp is a 1-week summer camp for children with cancer and is held at the 4-H Northern Virginia Center just outside Front Royal, Va.

"We wanted to offer the children all the ordinary offerings of summer camp—horseback riding, swimming, sports, etc.—but, the one feature that couldn't be overlooked was that they also needed constant medical care," Tom said.

Camp Fantastic has grown during the past 4 years and several other outings have been added at different times throughout the year.

Family weekends are now offered twice a year at the 4-H Center where the camper and his family can get together for a fun gathering.



Special Love

A YAC weekend (Young Adults with Cancer) has been added for people between the ages of 18 and 25. Other events such as King's Dominion Day, an Orioles baseball trip and holiday party are a few of the extra activities planned.

An emergency fund to help families throughout the year has also been established.

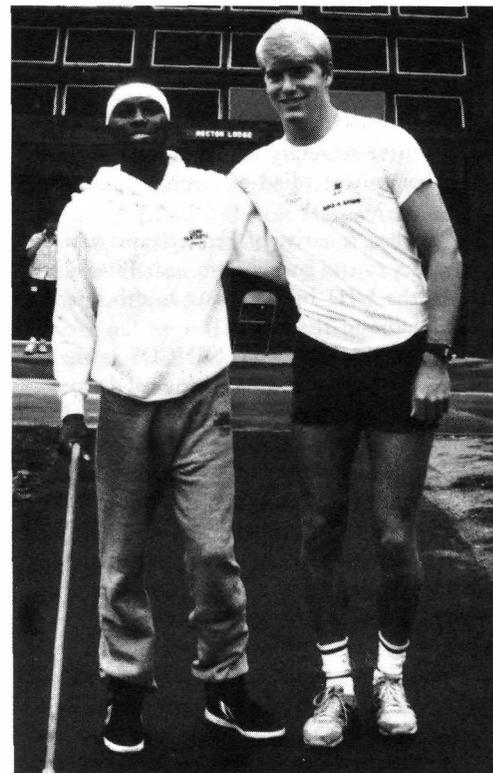
At the first camp, there were 30 campers from four hospitals in the area; the 2nd year, 44; last year, 72; and this year, there were 79 campers and 11 hospitals represented.

Tom Baker, a man who is excessively modest about his own contributions, is lavish in his praise of the many people who have made the camp and program a success. He especially cited the following persons who have served on his board of directors since its beginning; Randy Schools, manager, NIH's R&W Association; Kathy Russell, administrative officer, Clinical Oncology Program, NCI; Mary Kay DeVita, Bethesda, Md.; and Anne Evitt of Winchester, Va.

He says it is hard to calculate the number of people involved with Camp Fantastic. The peo-



Making Friends



Helping a Friend

ple who volunteered with the programs, meals and special events numbered over 500 for this year's camp alone and that does not count the people who hold fund-raising events throughout the year.

"It is hard to estimate the amount of man hours given to us each year. But it's not only the man hours, it is the man hours given with love," he says.

The program costs \$275 per child, but each pays only \$25. If they can't afford the \$25, they pay nothing.

All the staffers, including the doctors who provide medication, testing, or any necessary care, are volunteers.

"Sheila and I are so proud to be a part of this group and know so many people who care," Tom says.

According to Tom, after talking to all these volunteers, they are all quick to point out: "We all receive so much more from the children than we give. Their courage and love are gifts beyond words." □

Normal Volunteers Needed

Women (ages 25 to 31) and men (ages 25 to 40) with less than 4 years of college are needed to participate in neuropsychological research at NIMH. Volunteers will be paid. Three-hour sessions available Monday through Saturday.

If interested, call Mr. Hunter or Ms. Deldin at 496-7674 between 1 and 5 p.m. □

Dr. Ellen G. Archer, NINCDS, Dies; Was Neuroscientist

Dr. Ellen G. Archer, a neurochemist who was executive secretary of the NINCDS grants review committee, died on Sept. 17. She had cancer.

Dr. Archer, a native of Pennsylvania who enjoyed visits to the family farm near Pittsburgh, came to the NIH in 1977 as a health scientist administrator in the DRG.

In 1980, she joined the NINCDS as the executive secretary of the Neurological Disorders Program Project Review B Committee, which reviews grant applications, primarily from multidisciplinary teams of scientists working on the basic neurosciences, epilepsy, and degenerative muscle disorders.

"She was very exacting in her work and wanted nothing but the best," says Mrs. Margaret Caudle, who worked with Dr. Archer.

As part of her exacting nature, she maintained close professional ties with a large number of neuroscientists and when an expert was needed to review a particular grant, she usually knew the best person to call, say several of her coworkers.

"I've been on study sections before, and never have I come across someone who kept so much knowledge about what was going on in the neurosciences," says Dr. Sol Erulkar of the University of Pennsylvania, who chaired the committee. "Her death is a tremendous loss to the grants evaluation process and to the NIH."

For the 2 years preceding her death, Dr. Archer was executive secretary of several NINCDS Special Review Committees.

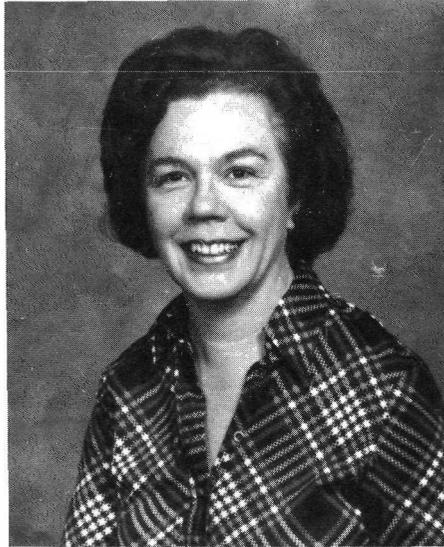
"She went on her last site visit in June," recounts Mrs. Meigs Ranney, another coworker. "She was sick, but she wouldn't give it up."

Before joining NIH, Dr. Archer worked at the Psychiatric Institute Foundation in Washington for 5 years studying the biological basis of mental disease. Earlier she had held academic research positions at Washington University School of Medicine and the University of Missouri, both in St. Louis. She also had taught and performed research for 3 years at the University of Arkansas after receiving her doctorate there in 1963.

Dr. Archer graduated from Chatham College in Pittsburgh, Pa., in 1950.

She was a member of the American Society of Neurochemistry, the Biophysical Society, the American Chemical Society, and the American Association for the Advancement of Science.

Survivors include two brothers, W. Leland Archer of Prosperity, Pa., and Harold B. Archer of Glastonbury, Conn. A memorial service was held on Sept. 27.



Dr. Ellen G. Archer

MUSEUM (Continued from Page 1)

complement the function of the Visitor Information Center in the Clinical Center, museum exhibits will seek to explain how medical research instruments work and interpret their significance to the visiting public. For the NIH Centennial, several exhibits focusing on the historic contributions of intramural NIH researchers will be mounted. A formal opening ceremony will be held later in the year.

Dr. Victoria A. Harden, who recently published *Inventing the NIH: Federal Biomedical Research Policy, 1887-1937* and is presently writing a history of Rocky Mountain spotted fever for NIAID, has been named curator of the museum. She will be assisted by a museum advisory committee chaired by Dr. DeWitt Stetten, Jr. Other members of the committee are Drs. Edwin Becker, Robert Bowman, Elliot Charney, John Decker, Donald Lindberg, Alan Schechter, Ms. Lois Kochanski, and Mr. Storm Whaley.

Over the past few years, Dr. Stetten has collected classic medical research instruments that were in danger of being lost or discarded. These instruments and other NIH memorabilia—many of which are displayed in the ACRF lobby—form the core of the museum's collection.

"This museum represents our heritage at NIH," Dr. Stetten commented. "Like our publications, it is a part of our record of accomplishment, but the objects are somewhat more enduring." He further stressed that the success of the museum depended upon ideas for exhibits and additions to the collection contributed by NIH staff members.

Suggestions are welcomed by Dr. Stetten at 496-1932 and Dr. Harden at 496-6610. □

Test Automatic Mailmobiles Deliver Building 31 Mail

NIH's mail room is giving a 60-day trial to battery-powered automatic Mailmobiles which run along magnetic floor strips in the corridors of Bldg. 31's B and C wings delivering mail to various offices.



New automatic Mailmobiles like this one are being tested in delivering mail in Bldg. 31's B & C wings.

The carts can also run errands, according to Bill Brodt, a senior industrial engineer in the Division of Engineering Services. But they are being used to carry the mail to predesignated stops for now.

Slightly more than 4 feet high, 2 feet wide and 58 inches long, the mailmobiles travel at 1 mile an hour. They stop at each specified area (outside offices) for 1 minute during which someone from the particular office picks the mail out of the designated section of the mobile, and puts outgoing mail in another tray.

The tracks for the mailmobiles are laid as close to the hallway walls as possible to allow employees to pass. (The nearly invisible track "tapes" are easy to move and relocated when necessary.)

A sensor in the front bumpers tells the mobile if an obstacle, animate or inanimate, is coming up. The mobile halts for 20 seconds, then inches along until it gets within 3 inches of the obstacle. If the obstacle doesn't move or get moved, the mobile then shuts down completely.

The mailmobiles are being tested to see if they are more efficient and convenient than human mail clerks.

Since they operate indoors, the mailmobiles, unlike human postmen, presumably won't have to brave any sleet or snow or gloom of night to make their appointed rounds. Beep! Beep! □

Researchers Track Arthritis, Osteoporosis Via Bone Cultures and Hormone Links

Eighty percent of individuals between the ages of 60 and 80 have either arthritis or osteoporosis, diseases that cost the U.S. economy an estimated \$14.6 billion annually. The progress being made in research on several bone diseases was the subject of a recent NIH Science Writers Seminar.

The moderator, Dr. John Termine, chief, Bone Research Branch, NIDR, emphasized bone's role as a living, dynamic tissue. He showed a rare film presented to him and NIH by Professor M. Kumegawa of the Josai University, Japan. The movie shows—at a very high magnification—actual bone turnover—its constant remodeling by osteoblasts (bone-forming cells) and osteoclasts (scavenger cells that resorb old bone).

Culture Technique

To facilitate the study of bone mechanisms, scientists in NIDR's Bone Research Branch have developed a culture technique whereby human bone can be used to obtain highly enriched populations of bone-forming cells.

Unlike previous methods, bone cultures can now be made from patients of any age or disease status. Using this technique, NIDR and NCI researchers have found that these osteoblast-like cells produce specific factors that enhance their own growth and proliferation. This research could lead to the eventual separation of genetic from systemic influences on bone cell function in diseases such as osteoporosis.

Osteogenesis imperfecta (OI), an inherited disorder of connective tissue in which the bones of the affected individual are extremely fragile and tend to fracture with very slight trauma, was the focus of a presentation by Dr. Joan Marini, senior staff fellow, Human Genetics Branch, NICHD.

Generally, OI patients are grouped into four types, based on degree of bone fragility and associated features such as loose or dislocated joints, bowing of the bones, defective dentin which leads to soft, crumbly teeth, heart problems, and growth deficiency.

Many patients with OI have defective type I collagen, the protein that forms the major structural support of bone. NIH research on cattle has indicated that the inability of another bone protein, osteonectin, to become incorporated into the extracellular bone matrix is associated with some cases of OI.

Hormonal Link

Dr. Marini is investigating the hormonal link to severe growth failure among OI patients. Those who do not secrete enough



Lightweight clamshell braces designed by the CC Rehabilitation Medicine Department enable these children with osteogenesis imperfecta (brittle bone disease), who might otherwise be wheelchair-bound, to walk with reduced fracture rates. Bracing is part of NICHD's clinical studies that try to maximize each patient's physical potential.

growth hormone may be aided by administration of this hormone. Also, by comparing collagen in a chorionic villus sample from a fetus with that in a skin sample from a sibling who has OI, Dr. Marini and her colleagues and another team in Seattle have each begun experimental prenatal testing for OI.

Dr. Stephen Marx, chief, Mineral Metabolism Section, Metabolic Diseases Branch, NIDDK, discussed the consequences of vitamin D deficiency on bone. The activated form of vitamin D, calcitriol, increases the small intestine's ability to absorb calcium from the diet. Low vitamin D intake results in low production of calcitriol, and therefore low absorption of calcium.

Dr. Marx is studying patients who produce normal amounts of calcitriol but whose tissues cannot respond normally due to congenitally absent or abnormal receptors for this hormone. His laboratory has identified several of these receptor defects.

Patients with these defects have a lifelong deficiency of vitamin D action, resulting in the most extreme forms of rickets and often a lack of hair over the entire body. This has led Dr. Marx and his colleagues to conclude that the hair follicle is an important target tissue for calcitriol.

Dr. Marx also discussed the depressed levels of calcitriol that result in decreased intestinal absorption of calcium in two forms of osteoporosis.

Employ the Handicapped Program Set for Oct. 22

On Wednesday, Oct. 22, NIH will hold its fourth annual Employ the Handicapped Program in the Clinical Center Masur Auditorium, Bldg. 10, from 12 noon to 1:30 p.m. The theme for the program is: "EMPLOY—Don't Doubt the DisABLED."

Sponsored by the NIH Division of Equal Opportunity and its Handicapped Employees Committee, the program will feature Dr. C. Everett Koop, Surgeon General of the U.S. Public Health Service. Following the keynote address, local artists "Whyll and Dohn" will perform musical selections using a variety of instruments.

Arts and crafts created by disabled persons from the Inwood House will be on display in the ACRF visitor information center lobby, Bldg. 10, 1st floor, from 10 a.m. to 3 p.m. Also on display in the lobby will be the NIH Handicap Program exhibit entitled "disABLED Employees in Action."

Sign language interpretation will be provided. If accommodation for any other disability is needed, please contact the NIH Handicap Program manager at 496-2906. □

Former Hyperactive Children Needed

The Child Psychiatry Branch, National Institute of Mental Health, and NIH's National Eye Institute are seeking adults, ages 18 to 45, who were diagnosed by a physician as hyperactive in childhood, for an eye movement study. You must have good vision in both eyes (glasses okay) and good general health. English must be native language. Volunteers will be paid for their time.

Call Ashley Hanahan at 496-9070. □

rosis. In postmenopausal osteoporosis (which affects mainly the spinal column), low calcitriol levels may be an appropriate response to excessive bone resorption that results from estrogen deficiency. In senile osteoporosis (which affects the spine and hip bones), low calcitriol levels may result from kidney atrophy and thereby cause pathologic deficiency in intestinal absorption of calcium.

Dr. Marx stressed the need to define what roles calcitriol plays in the processes underlying osteoporosis before we can determine the value of calcium and calcitriol supplements in preventing or treating this disease.—Bobbie Bennett □

Life is what happens to us while we are making other plans.—Thomas La Mance

Walk/Run to Support Combined Federal Campaign At NIH October 29 in Front of Bldg. 1

"Make a Dream Come True."

That's the message of the 1987 Combined Federal Campaign which begins officially on Oct. 20.

NIH runners and walkers will support the CFC at noon Wednesday, Oct. 29 with NIH's 4th annual Walk/Run, organized through a joint effort of the NIH's Health's Angels, the NIH R&W Association, and the Combined Federal Campaign. The Walk/Run is designed for participation by the entire NIH community.

The 3-mile run and 1-mile walk will start and finish in front of Bldg. 1. Registration began Sept. 26 and will continue through Oct. 23 at the R&W Activities Desk (Bldg. 31, Rm. B1W30) and the NIH Fitness Center (Bldg. T-39). The R&W \$4 entry fee per runner or walker covers a "Make a Dream Come True" T-shirt.

First, second, and third place awards will be presented to winners of the run in four different divisions: male, 39 and under; female, 39 and under; male, 40 and over; and female, 40 and over. First place winners in each category will receive trophies. Second and third place winners will receive silver and bronze medals respectively. All participants in the run and the walk will receive certificates.

Free Prizes

Spectators and participants will be given free chances for a drawing of valuable prizes donated by the R&W Association. Prizes will include tickets to the Kennedy Center, the Capitol Center, local movie theaters, and gift certificates for R&W stores.

Concessions will be available for those who wish to buy food for lunch.

This year's representatives from voluntary agencies will be distributing promotional materials at Federal workplaces. The NIH CFC coordinating committee is making arrangements to set up areas where these materials can be obtained during the event.



Ready to support the CFC at NIH with the Walk/Run on Wednesday, Oct. 29 are (l to r): Art Fried of NIH's Health's Angels and NICHD budget officer; Kelly Goka, R&W Association intern; and Jack Patterson, 1987 CFC coordinator for NIH and executive officer, NIDR—this year's CFC lead agency at NIH.

All NIH employees and their guests are invited to attend.

In addition to the wide variety of agencies to which one can donate under the CFC, a newcomer this year is the Friends of the Clinical Center, Inc. It was formed in December 1984 in response to the growing need for assistance by the Patient Emergency Fund. Money designated on the pledge card for Friends of the Clinical Center Inc. goes toward the Patient Emergency Fund and activities such as Camp Fantastic.

Another approved recipient of CFC donations is the Foundation for Advanced Education in the Sciences (FAES). It is a part of large group of worthy organizations which may be designated as the recipient of one's CFC contributions.

As one journey starts with a single step, one dream is fulfilled by single people joining together. □

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Federal Court Denies PETA's Monkeys Appeal

A Federal court in Richmond has dismissed a suit by animal rights groups and others seeking to challenge biomedical experiments that involve animals.

A panel of the 4th Circuit U.S. Court of Appeals ruled that neither PETA (People for the Ethical Treatment of Animals) nor other private groups or citizens have any standing to bring such suits in Federal court.

PETA filed to obtain custody of 17 monkeys which had been used in the laboratory of Dr. Edward Taub whose work was funded by NIH.

Appeals Court Chief Judge J. Harvie Wilkinson said allowing such suits could imperil future medical research.

Might Impede Science

The judge said in the written opinion that such suits "might open the use of animals in biomedical research to the hazards and vicissitudes of courtroom litigation. It may draw judges into the supervision of and regulation of laboratory research. It might unleash a spate of private lawsuits that would impede advances made by medical science in the alleviation of human suffering."

PETA's immediate objective in the suit was to obtain the custody of the monkeys in dispute and send them to an animal preserve of its choosing.

While the suit was pending, NIH transferred the monkeys to a Tulane University research facility near New Orleans with a proviso that no further invasive research would be performed on these monkeys.

A PETA spokesperson was quoted by United Press International as saying the decision will be appealed to the U.S. Supreme Court. On Sept. 22, PETA petitioned the Appeals Court for a rehearing. □

I do not feel obliged to believe that the same God who has endowed us with sense, reason and intellect has intended us to forgo their use.—Galileo

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