Two of 3 GM Cancer Prizes Awarded to NIH Grantees

Two of the three prize winners of the seventh annual General Motors Cancer Research Foundation awards are NIH grantees.

Names of the three winners will be announced in New York City on June 11.

All three will present scientific lectures Wednesday, June 12 in the Clinical Center's Masur Auditorium from 1 to 3 p.m. Each winner will receive a solid gold medal and a share of the $300,000 cash prize.

The lectures will be open to all NIH employees on first-come, first-serve basis. The CC's 14th floor auditorium will accommodate any overflow.

The awards are given for the most outstanding contributions in specific areas of cancer research. The Charles F. Kettering Award, for research in diagnosis or treatment of cancer; the Charles S. Mott Award, for research in the area of cancer prevention including environmental influences; and the Alfred P. Sloan Jr. Award, for basic science research, particularly in the areas of etiology and pathogenesis of cancer.

Candidates are nominated by 8,000 to 10,000 professors or associate professors in leading medical institutions and universities.

Recipients are selected by the General Motors Award Assembly consisting of 32 international cancer research scientists.

More Financial Help for Alzheimer's Victims And Families Needed, NIMH Conferences Told

"It destroyed the person I married. It is destroying my children, and it almost destroyed me," Earl Caldwell told the tearful crowd attending the Alzheimer's disease conference held at NIH May 2.

Caldwell, whose wife contracted Alzheimer's disease at age 40, was one of many who told how the disorder sapped the lives of their loved ones and the emotional, physical, and financial reserves of their families.

The meeting—co-sponsored by HHS Secretary Margaret Heckler's Task Force on Alzheimer's Disease and the Alzheimer's Disease and Related Disorders Association (ADRSA)—was organized by the National Institute of Mental Health to enable family members to hear from and speak to the Nation's leading experts on Alzheimer's disease.

Secretary Heckler, who received a standing ovation, spoke of hope and progress, as did the researchers and clinicians.

Although no known successful treatment that can cure or stop the progression of the disorder has yet been found, both she and Dr. Joseph Coyle of the Johns Hopkins University School of Medicine, pointed to heightened Alzheimer's research activity, supported by increased funding, which is yielding hopeful clues about the disorder.

Electroshock Therapy Conference Set for June 10-12

The National Institute of Mental Health and the NIH Office of Medical Applications will sponsor a Consensus Development Conference on Electroconvulsive Therapy June 10-12.

The meeting will be held in Masur Auditorium, at the Clinical Center.

Electroconvulsive Therapy (ECT) is a treatment for severe mental illness—primarily severe depression—in which electricity applied to the scalp passes through the brain, producing a generalized convulsion.

Although ECT has been in use for more than 46 years, it remains a controversial procedure. Issues of concern for the practitioner, patient and public have been raised about whether, when, how and for whom to use ECT, and about possible long-term effects.

Recently, scientists have intensified research efforts to better understand ECT. Studies have focused on clarifying mechanisms of action, determining optimum mode of administration, establishing the extent of adverse effects, particularly on brain functioning and memory; and evaluating effectiveness in a variety of mental disorders. These endeavors have produced a substantial data base relevant to the issues of the effectiveness and safety of ECT.

In an effort to resolve concerns about ECT, this conference has been scheduled. Following one and a half days of presentation by experts in the relevant fields, a consensus panel consisting of representatives from psychiatry, psychology, neurology, epidemiology and the public will consider the scientific evidence and formulate a consensus statement responding to these key questions:

- What is the evidence that ECT is effective for patients with specific mental disorders?
- What are the risks and adverse effects of ECT?
- What factors should be considered by the physician and patient in determining if and when ECT would be an appropriate treatment?
- How should ECT be administered to maximize benefits and minimize risks?
- What are the directions for future research?

For further information, contact: Meryl Kahn (NIMH), 443-4536 or Michael Bernstein (NIH), 496-1143.

Dr. Vincent DeVita Receives Nervi Cancer Award in Rome

Dr. Vincent T. DeVita, Director, National Cancer Institute, received the Pierluigi Nervi Award in Rome, on May 15, for his "outstanding contribution to cancer treatment based on original application of technological and scientific concepts."

The award was given during the Third Rome International Symposium on "The Challenge of Local Tumor Control and Its Impact on Survival," held in Vatican City.

Dr. Carlo Nervi, a radiation oncologist in Rome, organized the symposium and established the award in honor of his late father, an architect of international repute.

Dr. DeVita, who was honored for developing a curative chemotherapy for Hodgkin's disease in the mid-1960s, also delivered the symposium's keynote address on "The Impact of Multimodal Therapy on Local and Regional Control and Survival."

Pierluigi Nervi is considered to be one of the most innovative architects of the 20th century.
The NIH Record

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TRAINING TIPS

The following courses are sponsored by the Division of Personnel Management, Development, and Training Operations Branch.

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NIDR Seeks Study Volunteers On Dental Pain Control, Saliva

NIDR researchers are looking for volunteers to participate in two studies: one on the extraction of wisdom teeth and another on saliva.

Third molars (wisdom teeth) will be removed free in the study which will study better ways to control dental pain and anxiety by comparing new drugs to standard analgesics and sedatives. Call Jean Itkin at (301) 496-5483 if interested.

Researchers are seeking to establish normal ranges of saliva flow and composition of salivary constituents in the study. In a painless procedure, saliva will be collected from each volunteer. The procedure only takes 30 minutes and will only be done once. Volunteers will be provided an analysis of their saliva.

If interested, call the NIDR dental clinic at 496-4371.

Renowned Medical Illustrator Honored by NLM Exhibit

One of the world’s outstanding medical illustrators, Thomas S. Jones, is honored in an exhibit which opened May 1 in the main lobby of the National Library of Medicine. Jones, as he was known, was famous not only for the accuracy and elegance of his medical illustrations, but also recognized for his pioneering ideas in medical visual education.

On display until Oct. 1, the exhibit includes examples of books, journals, and all his medical illustrations and educational theories appeared, and a selection of nonmedical paintings never before publicly displayed.

Tom Jones, who died in 1961, was born 100 years ago in Chatham, Va. Most of his professional career was directly connected with the University of Illinois College of Medicine in Chicago. He joined the staff in 1913, was made head of the department of medical and dental illustration in 1925, and became full professor in 1942. Jones devoted his entire professional life to promoting improved health sciences communication. Over the course of nearly half a century, he spearheaded the importance of communicating medical knowledge through multisensory media—exhibits, motion pictures, diagrams, photograph charts, transparency models, etc. His message was the need to integrate a variety of techniques into programs of medical education.

Tom Jones, 1885-1961, one of the world’s outstanding medical illustrators, was also a great innovator in the larger field of medical communications.

The NLM exhibit was prepared by Dr. Biagio John Melloni, who calls Jones “the father of modern biomedical communication.” Dr. Melloni, formerly special expert in biomedical communications at NLM, cites Jones’ early advocacy of multimedia learning stations for medical education, his suggestion for the creation of a national center for collecting and disseminating medical audiovisual teaching material, his contributions to medical museum exhibit design and construction, and his conception of the ideal design of a functional medical library, classroom, and lecture hall. Many of his ideas have been advocated as early as 1923; now they are standard.

The exhibit is open to the public Monday-Saturday. (The Library’s summer hours, beginning May 28, are 8:30 a.m. to 5 p.m.)
NIH Relay Race Produces Hot Competition, Close Wins

The key ingredient marking the Eighth Annual NIH Institute Relay Race May 15 was razor-sharp competition. A total of 69 teams and 345 runners participated in this year’s Health’s Angels race. From the moment that Dr. James B. Wyngaarden, NIH Director, initiated the festivities by firing the honorary starter’s pistol for the first heat, a furious and exciting contest ensued.

The first race ended in a virtual dead heat as the anchor legs for the Lunch Bags, Broken Hearts and Chariots for Hire crossed the finish line within inches of each other. The all-female team race, low tested in the first heat, was decisively won by NIAID’s NIH Foxes III.

Second Heat Faster

The seeded and faster second heat provided an exciting dual between NIH-It’s MPTPs and the Oncocrats. Anthony Brown of the Oncocrats provided a large lead with what probably was the fastest split ever run at this race. The Oncocrats maintained their lead through the next three legs.

On the final leg, however, Todd Hardin of the MPTPs ran an absolutely sterling leg to overtake the Oncocrats and provide the MPTPs a victory with a 6-second margin.

A fine race was also run by NIDR’s Road Gummers, who placed third overall with a time of 12:28, and by FDA’s Smegmatics, who won the unofficial mixed team competition with a record time of 12:52, the fourth fastest time overall.

Special thanks is extended to Peter Penchev, who has organized and presided over the NIH Relays since their beginning, and to Dick Henneberry, Bill Padget, Allen Lewis, Peter Grief, Lynda Bennett, Lt. Herbert Jackson, Jay Miller, Barbara Critzer, Patricia Clark, and the many other volunteers without whose help this race would not be possible.

Life Insurance Open Season Runs From June 1 to July 1

The Federal Employees’ Group Life Insurance Program Open Season began June 1 and ends July 1. Personnel Offices are distributing copies of an 8-page booklet, FEGLI-85, containing information on the program to each eligible employee.

The Federal Employees’ Group Life Insurance Program at a glance follows:

Basic Life
- Annual basic pay plus $2,000
- Accidental Death and Dismemberment coverage.

PLUS
Any one or more of the following:
Option A—Standard
$10,000 life insurance coverage
$10,000 Accidental Death and Dismemberment coverage.

Option B—Additional
You may choose additional life insurance coverage equal to one, two, three, four, or even five times annual basic pay.
Option C—Family
Spouse—$5,000 life insurance coverage
Each child—$2,500 life insurance coverage.

During this open enrollment period, eligible employees may elect basic life insurance and any combination of options or make any changes in their current coverage, without submitting evidence of insurability (no physical examination required) and regardless of age or length of time following initial waiver of coverage.

The information booklet contains details of the various levels of coverage and costs as well as a question and answer section including data on coverage after retirement, accidental death and disability feature, conversion privileges, etc. It also contains a worksheet on which individuals can design plans that best meet their current needs for term life insurance coverage.

To enroll or change levels of coverage, employees must complete Standard Form 2817, Life Insurance Election, and return it to their personnel office on or before July 1.

Only those employees who wish to change their participation status or their current coverage need to complete the election form. Employees satisfied with their present enrollment need take no action and their current coverage will continue unchanged. Previous waivers or refusals of coverage will not be cancelled unless the employee submits a new election form.

For additional information, employees should contact their BID personnel office.

J and K Parking Permits Must Be Renewed in June

General parking permits for NIH employees whose last name begins with J or K must be renewed during June.

Employees may renew parking permits any workday at the NIH Parking Office, Bldg. 31, Rm. B1C19, between 8:30 a.m. and 3 p.m.

Parking permits will also be available as follows:
Bler Bldg., Wednesday, June 12, 1-2 p.m., Conf. Rm. 110
Federal Bldg., Wednesday, June 19, 1-2 p.m., Conf. Rm. B119
Landow Bldg., Wednesday, June 19, 2:30-3:30 p.m., Conf. Rm. C
Westwood Bldg., Wednesday, June 12, 9-11 a.m., Conf. Rm. 3

Will Receive Memo

Affected employees will receive a memo about the upcoming renewal with specific instructions on obtaining replacement permits.

Employees with preferential (red) or carpool parking permits whose last name begins with J or K need not get new parking permits during June.

New June general parking permits must be displayed beginning Monday, July 1, 1985.
Dr. Martha Vaughan, NHLBI, and Dr. Thomas Waldmann, NCI, Elected Members of National Academy of Sciences

Dr. Martha Vaughan, chief of the Laboratory of Cellular Metabolism, National Heart, Lung, and Blood Institute, since 1974, has been elected to the National Academy of Sciences. She is one of four women among the 60 new members of the academy, all of whom are elected in recognition of distinguished and continuing achievement in original research. The academy, which is dedicated to the furtherance of science and its use for the general welfare, also acts as official advisor to the Federal Government on matters of science and technology.

Dr. Vaughan is internationally known for her research on hormonal (humoral) regulators of the processes whereby fatty acids derived from the diet or synthesized by the body from other precursor substances are stored as triglycerides in adipose (fat) tissue during periods of plenty and subsequently released as free fatty acids during fasting to help supply energy needs of the organs and tissues.

She and her colleagues also helped to clarify the mechanisms whereby toxin secreted by the cholera vibrio (bacillus) produces metabolic derangements of affected cells in intestinal epithelium, causing them to release large quantities of water and electrolytes.

Currently, Dr. Vaughan and colleagues are studying the enzymes responsible for the production and degradation of cyclic AMP and cyclic GMP. "Second messenger" substances apparently involved in a myriad of intracellular processes and through which many hormones, drugs, and other agents influence the functions of cells.

Doctoral research at Yale and the University of Pennsylvania, she joined the NHLBI staff as a research fellow in its (then) Laboratory of Cellular Physiology and Metabolism. She became a regular member of that laboratory's research staff in 1954 and, that same year, was commissioned a medical officer in the USPHS.

Except for a tour as a visiting scientist with the Centre d'Etudes Nucléaires in Saclay, France (1964-65), she continued to serve with LC/M until 1968, when she was named head of the Section on Metabolism in the newly established Molecular Disease Branch, later serving for 2 years as acting chief. In 1974, she was appointed to her present post as chief of the Laboratory of Cellular Metabolism.

Dr. Vaughan's other honors include the DHEW Meritorious Service Medal (1974), the DHEW Distinguished Service Medal (1979), and the USPHS Commissioned Officer Award (1982). She was the 1979 Mider Lecturer and was a Harvey Society lecturer in 1982.

Dr. Thomas Waldmann, chief of the NCI Metabolism Branch, Division of Cancer Biology and Diagnosis, has been elected a member of the National Academy of Sciences in recognition of his distinguished and continuing achievements in original research.

Congress established the Academy in 1863 as a private organization of scientists and engineers that acts as an official adviser on science and technology to the Federal Government.

Dr. Waldmann has received 30 other scientific awards and honors for his research. Current Contents of July 1978, listed him among "the 300 most-cited authors" for 1961-1976. Science Citation Index for 1978-83 shows an average of 412 annual citations for articles in which he is first author. That list would more than double if it included all studies in which he was an author.

As the citations and awards suggest, Dr. Waldmann's work has had a seminal role in the increased understanding of immune deficiency diseases. He discovered that the human suppressor T cell, one type of immune system blood cell, can suppress another immune blood cell, the B cell.

The suppressed B cell cannot produce immunoglobulin antibodies that act against foreign substances in the body. He also showed that abnormalities in these suppressor T cells cause certain forms of hypogammaglobulinemia, a blood disease associated with high incidence of infection.

Dr. Waldmann also found that scavenger macrophages suppress normal immunoglobulin production in multiple myeloma, a bone marrow cancer of another white blood cell, the plasma cell.

These studies of suppressor cells generated a new field of clinical research on the delicate cellular balance that controls the human immune response.

Dr. Waldmann and his colleagues have also sorted the sequence of events in the activation of the genes that code for the immunoglobulins. By analyzing the immunoglobulin gene arrangements, they clarified cell origins of leukemias that earlier had been controversial, established that cells in leukemias are clonal populations, and broadened the scientific basis for the diagnosis and monitoring of therapy in lymphoid cancers.

Recently Dr. Waldmann's group developed a monoclonal antibody to the cell receptor for the human T-cell growth factor, interleukin 2 (IL-2). Using the monoclonal antibody, called anti-Tac, the scientists have cloned (reproduced) and sequenced the gene that codes for the IL-2 receptor. Contrary to an earlier view, they found that activated human B cells also have a receptor for IL-2 and can be activated by IL-2.

In the same research, Dr. Waldmann discovered that the IL-2 receptor is not expressed on the surface of resting T cells but is expressed on the T cells of patients with T-cell leukemia, a virus-caused cancer. He has been using the anti-Tac antibody to attack only the actively dividing leukemia cells in patients with the adult T-cell leukemia.

Dr. Waldmann, who began work in the Metabolism Branch in 1956, has been branch chief since 1971. He graduated cum laude from the University of Chicago in 1952 and earned his M.D. from Harvard Medical School in 1955.

Dr. Vaughan

Other studies center on the role of calcium and an intracellular protein called calmodulin, which binds calcium ions and is thereby activated to regulate the activity of enzymes involved in such vital processes as muscle contraction, the phosphorylation of various proteins, and glycogen metabolism.

Dr. Vaughan, who was born in Dodgeville, Wis., received a Ph.D. degree from the University of Chicago in 1944 and her M.D. from the Yale University School of Medicine in 1949. Following internship and 2 years of post-doctoral research at Yale and the University of Pennsylvania, she joined the NHLBI staff as a research fellow in its (then) Laboratory of Cellular Physiology and Metabolism. She became a regular member of that laboratory's research staff in 1954 and, that same year, was commissioned a medical officer in the USPHS.

A new 6- to 8-foot wide asphalt pedestrian/bike path is now under construction running from the corner of Cedar Lane and Rockville Pike to Center Dr. by the National Library of Medicine. It will take approximately 8 months to complete the first phase of the project; phase two will begin when design plans for hillside construction (Wilson Dr. to South Dr.) are finished. Representatives of the Montgomery County Department of Transportation (DOT) and the NIH R&W Bicycle Club met recently for the groundbreaking ceremony. They were (back row, l to r): Calvin B. Baldwin, Jr., NIH Associate Director for Administration; Robert McGarry, director, DOT; Montgomery County; Carl Frasch and George Russell, R&W Bike Club; Lynn Mueller, Grounds Maintenance and Planning Branch, ORS. Front row (l to r): Fel Ayala, DOT; Gloria Jones, DOT; Jim Ellis, DOT; Jay Miller, R&W Bike Club; and Pat Noone, DOT.

Dr. Waldmann
Asian Pacific American Heritage Week Celebrated at NIH

The week beginning May 5, was Asian Pacific American Heritage Week. "The Art of Living" was the theme given NIH's 13th annual celebration of the week, which was sponsored jointly by the NIH Asian Pacific American Cultural Committee and the NIH Division of Equal Opportunity.

The Visitor Information Center of the NIH Special Project Office loaned its Little Theater for a traditional Japanese tea ceremony from 11:30 a.m. to 12:30 p.m. on Monday, May 6. The tea ceremony was explained by Mrs. Tokiko Miyakawa, president of the Urasenke School of Tea, Washington, D.C. chapter.

Also presented in the Little Theater were a movie, "Batik" on Tuesday, May 7 at noon, and a lecture/recital, "How to Listen to Japanese Music" by Mrs. Miyuki Yoshikami, Wednesday, May 8 at noon. Mrs. Yoshikami lectures and performs the classical repertory.

On Thursday and Friday, May 9 and 10, crafts, martial arts, and Asian food were demonstrated from 11:30 a.m. to 1 p.m. on the patio of Bldg. 31A.

Included were a demonstration, exhibit and sale of Chinese food carving; the Chinese Lion dance; Filipino food preparation and a sale of its products; a demonstration and sale of Korean cooking; a display of Japanese paper crafts and food preparation; martial arts demonstrations of Judo—a competitive sport which was included in the 1964 Olympics; Kendo ("The Way of the Sword")—a popular sport in Japan today—and Ta-chi, a form of meditation in motion; Tai-chi means "The Supreme Ultimate."

The evening cultural program took place in the Masur Auditorium Friday, May 10, from 7:30 p.m. to approximately 10 p.m.

Performances representing traditions of Indonesia, Japan, India, Laos and the Pacific Islands made up this year's program.

Members of the NIH Judo Club gave a lunchtime demonstration Thursday and Friday, May 9 and 10 on the Bldg. 31A patio as part of the celebration of the 1985 Asian Pacific American Heritage Week.

Blues Festival to Benefit PEF

The Gaithersburg Jaycees will sponsor a free Father's Day Blues Festival on Sunday, June 16, from 3 to 7 p.m., at Summit Hall Park, Gaithersburg (Rt. 355 to West Deer Park Road).

Barbecued chicken and other concessions will be sold to benefit the Children's Hospital Pulmonary Care Unit and the NIH Patient Emergency Fund. (Raindate, June 23.)
Three Fogarty Scholars Take Up Scholarships

Three internationally known research scientists have arrived to take up Fogarty scholarships.

Dr. G. P. Talwar, director of the new Indian National Institute of Immunology, arrived May 13, to complete his Fogarty Scholarship-in-Residence.

Dr. Talwar was educated at the University of Punjab where he received his B.Sc. and M.Sc. He then studied at the Pasteur Institute in Paris where he obtained his D.Sc. from the Sorbonne. After a Humboldt fellowship in Germany, he returned to India in 1966 to become professor of biochemistry at the All-India Institute of Medical Sciences in New Delhi.

Since 1965, he had been professor and head of the biochemistry department at the All-India Institute until he assumed his present position as first director of the National Institute of Immunology.

Dr. Talwar is a member of numerous international advisory bodies including the WHO Expert Panel in Immunology.

He is best known for his studies on human reproduction. In recent years, he has pioneered the study of immunological approaches to the regulation of fertility.

Dr. Mordechai Sokolovsky, professor of biochemistry at Tel Aviv University, Israel, arrived May 15 to take up his Fogarty Scholarship-in-Residence. He took his Ph.D. in the department of biophysics at the Weizmann Institute of Science under Professor Ephraim Katzir. He has been professor of biochemistry, Tel Aviv University since 1972 and has held the Harry and Abe Sherman chair of neurobiochemistry since 1978.

Dr. Sokolovsky has made major contributions to protein chemistry and to the chemical modification of proteins as part of his early studies on structure-function relationships in carboxypeptidases A and B.

During his previous visits, he worked on muscular receptors and the role of cyclic nucleotides in nerve transmission. He gave numerous lectures and seminars at NIH and in several U.S. universities and medical schools.

During this term, Dr. Sokolovsky will continue to collaborate with NIH and NIMH scientists and will assist in the planning for the 6th International Conference on "Cyclic Nucleotides, Calcium and Protein Phosphorylation."

Dr. Akira Kobata, professor of biochemistry, Institute of Medical Science, University of Tokyo arrived to begin his Fogarty Scholarship-in-Residence on May 1. Prof. Kobata was educated at Tokyo University where he took his B.A. in pharmaceutical sciences and a Ph.D. in biochemistry. From 1967-71, he was a visiting scientist in the then NIMH.

Prof. Kobata is well-known for his work on complex polyasacharides. He has made important contributions to knowledge of the oligosaccharide portion of glycoproteins including rhodopsin, prothrombin, glycophorin and ceruloplasmin. In classical studies, he has successfully separated urinary oligosaccharides from patients with mannose-6-phosphate and GM2-gangliosidosidosis.

During his scholarship, he will be associated with his sponsor, Dr. Victor Ginsburg, chief, Biochemistry Section, Laboratory of Biochemical Pharmacology, NIAID.

Leonore Wagner Dies; Was Data Base Expert

Leonore Wagner of the Office of Program Planning and Evaluation, OD, died on Apr. 9, after a long battle against lung cancer.

Ms. Wagner received a B.A. degree in economics from Oberlin College, Oberlin, Ohio, in 1945. She did postgraduate work at George Washington University.

Mrs. C. Whittaker Retires; Longtime NIGMS Secretary

Catherine (Kay) Whittaker, a secretary with the National Institute of General Medical Sciences for the past 14 years, retired on May 1. From 1971 to 1982, Mrs. Whittaker was secretary to Dr. Arthur Heming, NIGMS associate director for program activities. In January 1982, she began working for Dr. Elke Jordan, who assumed Dr. Heming's duties when he retired.

When asked by a visitor what activities her job involved, Mrs. Whittaker said "Oh my!" and began listing them rapidly. She has calmed many nervous applicants, given information to officials from many universities about what kinds of grants NIGMS offers, prepared grant proposals, and generally kept Dr. Heming's and Dr. Jordan's offices running smoothly.

Worked at CC for 10 Years

Before working for NIGMS, she worked in the NIH Clinical Center for 10 years, first as secretary in the Normal Volunteer Office and later as secretary to Dr. Robert Farrier, then CC associate director. She remembers many of the foreign dignitaries who would come to Dr. Farrier's office.

Mrs. Whittaker was born in Washington, D.C., and grew up in the Brightwood neighborhood. She then married and moved out of Washington. When her husband died in 1959, she took a medical secretarial course at Strayer College in Washington, D.C., and came to NIH in 1961.

Retirement will give her the time to do many things she loves. First, she is having a house built in Gloucester, which is in the Tidewater area of eastern Virginia, where her daughter Cathy and son-in-law live with their three children.

Her son Joe, her son-in-law, and their three children live in the Washington area.

In her new home Mrs. Whittaker will have room to refinish furniture, something she was not able to do in her current apartment. She plans to read books, do needlework, have a garden, and explore the Gloucester area—which is known for its antique stores, old barns, and a variety of waterways such as estuaries and tidal marshes. "And I'll be able to just be outside and enjoy the weather," she said. "Those days when it is beautiful outside, I won't have to go in and work!"

She says she will miss the people at NIGMS. "It's really like a family. After all, you spend more time in the office than anywhere else," she noted. She remains interested in medicine and basic research and hopes to receive the NIH Record in Gloucester.

Volunteers Needed to Help Ex-Mental Patients Readjust

The Mental Health Association of Montgomery County's Volunteer Corps needs caring, compassionate volunteers 1 hour per week for at least 6 months. They are needed to offer special companionship to county residents who have been hospitalized for mental illness and are now readjusting to life in the community.

For more information or to apply for training, call Lauren Spino at 949-1255.
NIH Takes 1st and 2nd Place in Parklawn Classic; Moore Wins, Mocca Comes in 2nd

NIH's Jerry Moore won the Parklawn Classic on May 10 for his second time in 3 years with a time of 29:44, making NIH the winner for 3 straight years. Last year, Henry O'Connell won the Classic with a record time of 26:48.

Lou Mocca, another NIH'er, took 2nd place with a finishing time of 31:31.

1st and 2nd Place in Women's Open

NIH also took 1st, 2nd and 5th place in the Women's Open with Alison Wichman winning for her second year in a row with a time of 33:57. Kate Callen placed 2nd with a time of 37:13. Rose Sheats placed 5th for NIH with a time of 39:51.

In the Men's Masters (40 and over) NIH'er Jack Shawver took 3rd place with a time of 33:41.

In the Women's Masters, NIH took 2nd place with Connie Lowe finishing with a time of 42:21.

In the overall Classic race, NIH won 6 of the top 10 honors. NIHers Harry Mahar, Ed Maibach, Phil Snoy, and Jack Shawver placed 4th, 6th, 8th, and 10th.

1st Place in Team Competition

NIH again took 1st place in Team Competition with the following members of Team #1: Jerry Moore, Kate Callen, Alison Wichman, and Ed Maibach. This is the second year for the team competition in which each team consists of 2 men and 2 women from the same agency.

Making a good showing for NIH among the walkers were Martina Vogel and Barbara Arnold who came in 3rd and 4th.

Wilford Forbush, Deputy Assistant Secretary for Health Operations and Director, Office of Management, PHS, again led the 2-mile walk.

10th Anniversary of Classic

This was the 10th Anniversary of the Parklawn Classic but only the third year NIH and other PHS agencies were invited to participate.

NIH participation not only included the runners and walkers but volunteers—such as Dick Hennoberry—who served as organizers, timekeepers, and race officials.

Trophies were presented to the winners by Dr. Robert Graham, administrator for the Health Resources and Services Administration, with Mr. Forbush assisting.

Alison Wichman, winner of the Women's Open, comes across the finish line with a time of 33:57.

Mr. Forbush signals the walkers to start on the 2-mile Health Walk.

Lou Mocca, 2nd place winner, receives congratulations from Mr. Forbush (l) after accepting the award from Dr. Graham (behind).

Kate Callen, 2nd place winner in the Women's Open, receives her award from Dr. Graham.
New Ultraviolet Photographic Lighting System at MAPB

NIH investigators can now obtain unusually high quality photographs of ultraviolet chromatography and electrophoresis data for use in publications, thanks to a device recently acquired by the Photography Section, Medical Arts and Photography Branch (MAPB), DRS.

Macrophotographer John Ward demonstrates MAPB's new ultraviolet lighting system.

The new Reprostar ultraviolet lighting system delivers high quality photographs of thin-layer chromatography plates and electrophoresis gels. Wave lengths of 254 nm, 300 nm, and 366 nm are possible, with either transmitted or reflected light.

A group of NIH investigators enthusiastically requested MAPB to acquire the ultraviolet device after a demonstration with their own plates and gels.

Call the MAPB macrophotography unit, 496-2329, for an appointment or information.

Women With Amenorrhea Needed for NICHD Study

The NICHD is seeking women with amenorrhea (absence of menstruation) to participate in a study attempting to restore ovulation and fertility by administering gonadotropin releasing hormone (GnRH) with a portable infusion pump system.

The purpose of this study is to determine the most effective cycle of pulsatile GnRH administration and find out whether a fixed or variable schedule of hormone infusion is better for ovulation induction and fertility.

The pump, which delivers pulses of GnRH at fixed intervals, is a lightweight, battery-operated unit that fits into the patient's blouse pocket or may be worn attached to a belt.

Volunteers should be between the ages of 18 and 40, and their thyroid and adrenal functions normal. Patients must be premenopausal. The protocol does not require that patients be attempting to get pregnant.

For more information, contact Drs. Charles Coddington, Gerald Letterie, or George Morriam at 496-9050 or write them in Bldg. 10, Rm. 10N262.

‘Cookbook II’ Being Prepared

The 1st NIH Cookbook was such a success, R&W will publish a second edition, Cookbook II.

All recipes should be typed on a 3 x 5 file card if possible and sent along with your name, institute and extension to: Kathy Carter, Bldg. 4, Rm. 135, or call 496-5403.

Microwave recipes and helpful hints, international recipes, appetizers, main dishes, vegetaables and desserts are all welcome. List ingredients first (in order they are used) and USA measurements.

All recipes must be received by June 15.

Antique Car Owners Needed

R&W is planning a lunchtime antique car show as part of their 40th anniversary.

If your hobby is restoring automobiles, write a note to the R&W Office, Bldg. 31, Rm. B1W30, and include the make and year of your automobile, along with your name and phone number.

FAES Announces Schedule For 1985-86 Concerts

The Foundation for Advanced Education in the Sciences will present nine concerts in its 1985-86 Chamber Music Series.

The concert dates and presentations are:

- Sept. 29: Mieczyslaw Horzowski, piano
- Oct. 13: Tamas Vasary, piano
- Oct. 30: Young-Joo Kim and friends
- Nov. 15: Colorado String Quartet
- Dec. 12: Orpheus Ensemble
- Feb. 2, 1986: Gregor Piatigorsky Memorial Concert
- Feb. 23, 1986: Uto Ughi, violin
- Mar. 23, 1986: Pyros-Schiff, piano
- Apr. 6, 1986: Ewa Podleska, mezzo-soprano

The concerts will be held on Sundays at 4 p.m. in the Masur Auditorium, Clinical Center (Bldg. 10).

Tickets are sold by subscription only and cost $70 for the season.

For further information, contact FAES, Bldg. 10, Rm. 2C207A, 496-7976.
Dorothy Moore, NCI, Retires After 32 Years in Gov't.

After 32 years in the government, 28 of them at NIH, Dorothy Moore retired on Feb. 1.

Ms. Moore came to NIH in 1954, 1 year after the Clinical Center was built and helped to set up the Bacteriology Division of the Clinical Pathology Department of the Clinical Center. From there she went to research jobs in NIAID and the Division of Biologics Standards (now a part of FDA).

After receiving an M.S. in microbiology from the University of Chicago in 1965, she returned to NIH to work in NIAID on the isolation and separation of mammalian chromosomes.

Following a 1-year project at the National Center for Radiological Health in Rockville, doing research on the structure of human chromosomes using electron microscopy, Ms. Moore returned to NIH to do research in NIHBLI.

Joined NCI in 1969

She had served with the National Cancer Institute since 1969, the last 9 years in the Laboratory of Biochemistry, DCCB, where she was involved in the identification of mammalian chromosomes in somatic cell hybrids, in a guinea pig leukemia which mimics human chronic myelogenous leukemia, and in a human T cell line which has been used extensively in glucocorticoid research.

Ms. Moore is enjoying retirement. She is taking the master gardening course offered by the Montgomery County Extension Service to help others with plant problems and intends to have a better garden herself this year in the 20-x-25-foot plot she rents annually from the City of Rockville. She is also learning how to make videotapes to be shown on the public access channel when Montgomery County gets cable TV.

Keyboard Terminals Added to NIH Library Automation

Automation of the NIH Library circulation and catalog system was completed on Apr. 15. (Some adjustments may be made later.)

Since then, anyone who has used one of the terminals to look up a book in the automated catalog has also been informed whether it is "on shelf" that is, in the library—or has been checked out. If it has been checked out, the due date appears on the terminal screen.

Similarly, a library patron can use a terminal to check whether a specific issue of a journal is in the library or at the bindery. If the volume is at the bindery, the terminal screen gives the scheduled return date.

Keyboard terminals for the system have now been added to the touch-screen terminals installed early in March. The keyboard terminals eliminate stepping through a menu with each query, but they require knowledge of a few basic commands and prefix codes. Printed instructions have been posted, and library staff are available to assist and instruct.

"After so much hard work by everyone involved, we are delighted that the NIH community now has the benefits of this integrated system," said Carolyn Brown, chief of the Library Branch, DRS. "We're especially grateful to the Computer Systems Laboratory, DCRT, for giving us the services of John Knight throughout this complicated process."

When the new system began operations on Apr. 15, old NIH library cards became invalid and barcoded NIH ID cards replaced them for all library services. Patrons who have not yet received a barcode on their ID card must obtain one before checking out any items.

Books that were checked out before Apr. 15 and not renewed since that date must still be processed into the new system. Patrons are asked to renew or return such items promptly.

No telephone renewals will be made until all checked out items have been processed into the new system.

Seminar Series Announced by Grants Associates for Fall

Each year the Grants Associates Program in the Office of Extramural Research and Training organizes a series of seminars to supplement the working assignments of the grants associates and the working experiences of health scientist administrators.

The Grants Associates Office is accepting applications for its 1985-86 Grants Associates Seminar Series, scheduled to begin on Friday, Sept. 13, 1985. The weekly seminars will run for 10 months and are usually held on Friday mornings in Bldg. 31.

The series will address a broad spectrum of philosophical, political, and policy issues relevant to the administration of Federal programs in support of biomedical research. The series is not designed as an orientation or introduction to extramural programs.

Topics To Be Covered

Topics to be covered will include the roles and interactions of DHHS, NIH, other PHS and non-PHS agencies; policy and ethical considerations in biomedical and behavioral research; factors affecting extramural programs and their administration; program planning and evaluation, and the legislative/budget process.

In general, health services administrators, with 1 to 3 years' experience are expected to profit most from and contribute to the series. Others, including intramural scientists, might benefit as well.

Brochures Available From OMS

The Occupational Medical Service, OD/ORS has announced two new brochures for NIH employees.

A Guide to the Occupational Medical Services outlines the range of health services available to NIH employees, how work-related injuries are handled, as well as tips on general health guidelines. Help When You Need It, published by the Employee Counseling Service, OMS, describes how employees can obtain free mental health counseling to help resolve work-related and personal conflicts.

NIH employees are encouraged to pick up both brochures at the following locations: Bldg. 10, ACRF 6th Floor Clinic (496-4411), and the Division of Safety, Bldg. 31, Rm. 1C02 (496-2801). To arrange an appointment for Employee Counseling Service, dial 496-3164.

Automated catalog users in the NIH Library can now choose between keyboard terminals and touch-screen terminals for the Library's fully automated catalog-circulation system.

and not renewed since that date must still be processed into the new system. Patrons are asked to renew or return such items promptly.

No telephone renewals will be made until all checked out items have been processed into the new system.

Individuals who want to be considered should forward a current curriculum vitae (with emphasis on current duties and responsibilities) and a statement of interest, as it relates to their current positions. These should be sent through their immediate supervisor to BID director.

Deadline June 20

Each BID director is asked to forward no more than three nominations with the above noted information and any other supporting documents to the Grants Associates Office no later than Thursday, June 20.

These should be sent to A. Robert Polcari, director, Grants Associates Program, Bldg. 31, Rm. 1B-55. It should include the nominee's current title, organizational component of the BID and current room, building and phone number.

Training Credits Received

Participants will receive a minimum of 150 hours of training credit in their official personnel file after completing the series. A request to attend the series carries a commitment of the applicant and an endorsement by the supervisor to attend the whole series. Those missing more than 10 seminars will not receive any credit and may be asked to withdraw.

For further information, contact Mr. Polcari, or Roberta Light, program assistant, 496-1736.
Tissue-type Plasminogen Activator Twice as Effective
As Streptokinase in Dissolving Coronary Artery Clots

Intravenously injected tissue-type plasminogen activator (tPA)—an experimental, genetically engineered clot-dissolving drug—worked about twice as well as an already licensed clot-dissolving drug, streptokinase, in reopening completely blocked coronary arteries in most patients with acute heart attack.

This was the preliminary conclusion of investigators who conducted phase I of the Thrombolysis in Myocardial Infarction (TIMI) study at the National Heart, Lung and Blood Institute.

So dramatic was the difference in the comparative effects of the two drugs that the study was terminated early.

Whether the reopening of the coronary arteries as was done in this study will improve health and lengthen life (“affect morbidity or mortality”) is yet to be established.

Phase II of the TIMI study, now being planned, will address these questions.

In the phase I study, 316 patients were enrolled between August 1984 and February 1985 in 13 participating clinical centers in the U.S. To be eligible patients had to have experienced at least 30 minutes of chest pain and shown ST-segment elevation (an EKG tracing change) in two leads of the electrocardiogram.

Patients who were older than 75 years, had uncontrolled hypertension, active bleeding or strokes ST 1 inside.

For further information contact your safety and health consultant at 496-2346.

Man is the missing link between the ape and the human being—Apan.

Safety Alert on Claw Hammers

GSA has issued a “Safety Alert” on claw hammers. These hammers are purchaseable either from the NIH Supply Catalog or from Self Service Stores under Stock Number 4-4050 (NSN 5120-00-900-6110).

Two problems have been identified with their use: the hammer head may become loose or separated from the handle and some heads have developed cracks. Both problems may pose a serious hazard to employees using them.

Defective hammers can be returned to the Self Service Stores for replacement or credit. These hammers can be identified by markings on the head: ST1 13, or a diamond with the letters ST1 inside.

NII Judo Club Now Accepting Applications for Beginners’ Class

The NIH Judo Club is accepting applications for the summer beginners’ class. This series of 10 classes in basic judo will be held each Tuesday from 6 to 8 p.m., beginning June 11 in the old gymnasium of Stone Ridge School, at the corner of Cedar La. and Wisconsin Ave.

Dr. Thomas E. Malone, NIH Deputy Director, will serve as chief instructor, or sensei. Dr. Malone, who holds the second degree black belt (idan), has had extensive experience as a judo instructor. Eric Spears, Andrew Paterson, and Stephanie Harrison, holders of the first degree black belt (shodan), will be instructors. They will be assisted by other black belt holders and advanced students.

The fee for the 10 weeks will be $35. Application forms can be obtained from Dr. Malone, Bldg. 1, Rm. 132 (496-2121), or from Dr. Paterson, Bldg. 10, Rm. 9B13 (496-9086).

Complete hospital data are available on 112 of the IPA-treated group and 114 of the streptokinase-treated group.

Five patients assigned to IPA and seven of those who received streptokinase died within 10 days after treatment.

Side effects of the treatment(s) included gastrointestinal bleeding in a small number of patients in both groups and a hematoma at the site of catheterization in half the patients.

Extension of dead tissue or reinfarcted dead tissue was seen in 11 percent of the IPA patients and 14 percent of the streptokinase patients.

Acute myocardial infarction (heart attack) is a major public health problem that affects more than 700,000 persons in the heart attack. Many of these cases are brought about by a thrombus or blood clot which develops in an already partially blocked coronary artery.

For these individuals, the future course of their disease and even their survival depend upon rapid removal of the thrombus and restoration of blood circulation to the heart muscle.

Thrombolytic (clot-dissolving) therapy is a promising method of treating heart attack patients since recanalization (opening) of closed coronary arteries may limit the size of the heart attack.

Previous trials using streptokinase by either intravenous or intracoronary dosage have not proved this therapy to be consistently beneficial.

Phase II of TIMI will be a larger placebo-controlled, double-blind trial with a longer follow-up period to measure the long-term benefits of thrombolytic therapy.

The 13 clinical centers that participated in TIMI are: University of Texas, Dallas; Rhode Island Hospital in Providence, Yale University, New Haven, Conn.; Columbia University and Cornell University Medical Center, both in New York; Washington University, St. Louis; Beth Israel Hospital and University Hospital, Inc., both in Boston; Montefiore Medical Center, Bronx, N.Y.; Mayo Foundation, Minn.; George Washington University, Washington, D.C.; University of Massachusetts, Worcester; and Baylor College of Medicine, Houston.
Italian-NINCDS Study of Alzheimer's Disease Yields Sibling-Related and Head-Trauma Clues

The largest case-control study of Alzheimer's disease to date, conducted in Italy with NINCDS collaboration, has shown that individuals whose siblings have any form of dementia may be 11 times more likely than other people to develop Alzheimer's disease.

The study also provided some support for earlier observations that severe head trauma may contribute to Alzheimer's disease and that babies born to mothers after age 40 may be at greater risk for dementia later in life.

At a May 8 press briefing at the Italian Embassy in Washington, D.C., neurologists supported by the Italian National Research Council's Targeted Program in Medical Research presented initial findings from the 3-year investigation.

Their report "is an important event" under the 1984 Science and Technology Agreement between Italy and the United States, said Dr. Emanuele Mannarino, the Embassy's scientific attaché, because it "shows how things flourish under international research collaboration such as that between the Italian National Research Council and NINCDS."

The briefing was held by Dr. Luigi Amaducci, chairman of the department of neurology at the University of Florence. Guests included Dr. Katherine Bick, NINCDS deputy director, Dr. Bruce Schoenberg, chief of the NINCDS Neuroepidemiology Branch, and Dr. Jack Schmidt and Stephanie Bursenos of the Fogarty International Center.

Alzheimer's disease is a specific form of dementia of unknown cause. Italian and U.S. health officials are anxious to find the cause because of recent demographic projections: as its aged population becomes proportionately larger over the next 20 years, Italy expects to see a 40 percent rise in the number of Alzheimer's disease cases, and similar trends are in store for the United States and most other countries.

The investigation was carried out by seven Italian research centers collecting data from banana, Florence, Genoa, L'Aquila, Milan, Padua, and Rome. While previous studies have evaluated between 40 and 90 Alzheimer cases, the Italian study has reviewed 116 cases to date.

To identify possible risk factors in the Italian population, the researchers used a standardized protocol developed by an Italian-U.S. (NINCDS) team led by Drs. Walter Rocca and Laura Frattigeni.

For each patient with a clinical diagnosis of Alzheimer's disease, age- and sex-matched control subjects were selected from a hospital group with no dementia diagnosis of the general population. All information was obtained from next-of-kin by specially trained lay interviewers using structured questionnaires.

Two significant risk factors emerged from the survey data: a high incidence of dementia in brothers and sisters of the patient, and a trend toward high incidence of head trauma with loss of consciousness occurring years before the onset of Alzheimer's. A third risk factor—birth to a mother older than 40—was almost as significant as head trauma.

The frequency of dementia among siblings was 11 times higher for patients than for hospital controls and 5.5 times higher than for general population controls. The association between Alzheimer's disease in the patients and dementia in their parents was much lower (ranging from 1 to 3.5).

Risk factors suggested by earlier studies were not corroborated in Italy. The scientists found no evidence linking Alzheimer's disease with stroke, thyroid disease, exposure to aluminum or other toxins, allergies, surgical procedures, smoking, drinking wine, or certain personality traits.

The higher prevalence of dementia in patients' siblings, Dr. Amaducci said, probably reflects the fact that "information about the current generation is easier to obtain." Future studies, he suggested, could be used to speculate, should erase the difference.

Difficulties in identifying dementia also may have affected the male/female ratio in the sample, the scientists reported. While studies in England and Scandinavia have found women to be only slightly higher risk for Alzheimer's than men, of the Italian patient group were women. Further, the women tended to be older and more severely impaired than the men.

The investigators pointed out that mental impairment is more noticeable in people whose education or lifestyle bespeaks a certain degree of intelligence. Apparently, dementia in the female patients, most of whom were homemakers, did not attract attention until marked deterioration occurred, usually later in life.

"Symptoms" of Alzheimer's disease even can vary according to occupation, Dr. Amaducci noted. For example, the youngest patient in the study was a 38-year-old mathematician; the first sign of dementia in his case was a sudden inability to calculate the square root of 12.

The scientists emphasized that this new evidence of a familial association does not necessarily mean that dementia is transmitted genetically (as, Dr. Schoenberg quipped, the similer fallacy that "insanity must be hereditary because you can get it from your children.

As Dr. Bick explained, genes express their functions in two ways: they pass on traits from one generation to another, and they regulate cell function and expression of traits throughout the lifetime of the organism. This second "horizontal" activity of genetic material, she postulated, may underlie both familial and sporadic forms of Alzheimer's disease.
Dr. Henry Webster, NINCDS Scientist, Receives Humboldt Award for Studies of Nervous System

Dr. Henry deForest Webster, chief of the Laboratory of Experimental Neuropathology, National Institute of Neurological and Communicative Disorders and Stroke, has received a Senior U.S. Scientist Award from the Alexander von Humboldt Foundation of the Federal Republic of Germany.

This award, which honors American scientists who have gained an international reputation, is intended to promote the interchange of ideas between German and American investigators and research institutions.

Dr. Webster is known for his pioneering work in developing and using electron-microscopic methods to study normal and diseased nervous tissue.

A major research interest has been the formation and breakdown of myelin (the sheath surrounding nerve tissue). Dr. Webster's research team at NINCDS devised procedures for applying light and electron-microscopic immunocytochemical methods to myelin studies.

Dr. Webster has also used the electron microscope to study immunocytochemical localization of myelin proteins.

Other studies focused on the tadpole's peripheral and central nervous systems. Dr. Webster has used these as model systems for research on living peripheral nerve fibers, and for studies of myelin formation and central nervous system regeneration.

In the tadpole nervous system, he has demonstrated how hexachlorophene and other substances damage myelin.

With Drs. Alan Peters and Sanford Palay, Dr. Webster wrote *The Fine Structure of the Nervous System*, the first reference devoted entirely to neurocytology, the study of the nervous system's cellular components. This book has been translated into Russian.

Dr. Webster's plans include continued studies of the mechanisms of myelin formation and breakdown. He expects to conduct part of this work in Germany at the Max Planck Institute for Psychiatry, where he will collaborate with Dr. Georg W. Kreutzberg in the Department of Neuromorphology.

Senior U.S. scientists selected for the Humboldt prize are invited to stay in the Federal Republic of Germany for up to 12 months.

NIH Training Center Offers 'Introduction to NIH' Course

The NIH Training Center has announced a new course entitled *Introduction to Working at NIH* to acquaint new office support staff with the NIH work environment and basic office procedures. Included is a videotape which introduces viewers to key people in the Bureaus, Institutes and Divisions and describes the mission and structure of NIH.

Participants also receive a Resource Handbook which outlines recurring office procedures as well as other important reference materials. The handbook is designed as a quick desk reference and can be expanded to fit the needs of specific office support jobs.

Key topics of the 8-hour course include telephone techniques, correspondence, work attitudes, and an overview of timekeeping and travel procedures.

*Introduction to Working at NIH* is recommended to all new office support staff and other NIH employees whose work responsibilities require a knowledge of office procedures.

For additional information, call 496-2146.

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Rotary-Sponsored French Group Visits NIH in Study Exchange

Six members of the Rotary International Group Study Exchange from Rotary District 165 in the Brittany region of France visited NIH recently as part of their study of this country.

Rotary International is a worldwide service organization with nearly 972,000 members in 159 countries. District 762, serving the Washington, D.C., and Maryland areas, is composed of 52 Rotary Clubs with 2,800 members.

Rotary International Group Study Exchanges are educational programs sponsored by the Rotary Foundation whereby a group of non-Rotarian young business and professional men under age 40 are given the opportunity to study another country, its people and institutions, through participation in an ongoing program of study and discussion of the country concerned.

The Rotary Foundation provides transportation to the country where local Rotary Clubs, through a district group study exchange committee, provide transportation, lodging in members' homes, and arrange daily activities for the visitors.

Group study exchanges are an important part of Rotary International's World and Vocational Service Programs and Rotary International's goal of increasing world understanding and peace.

Dr. Herve' Le Flohic, a dentist, together with businessmen Philippe Laborde, Pierre Phiquepal d'Arusmont, Benoit Parent, Jacques Bouchard and team leader, Andre' Jean Dauger, arrived Apr. 13. During the next 6 weeks, they visited a variety of businesses, government and recreational facilities in Maryland and surrounding areas. Each group study exchange member spent 1 week in concentrated study of his specific vocation.

For instance, during that period, Dr. Le Flohic visited the clinics and laboratories of the National Institute for Dental Research, several private dental practices in the Bethesda area, dental programs at the National Naval Medical Center and at Georgetown University, dental materials research at the National Bureau of Standards, and was a guest in the home of Dr. Charles H. Evans, chief of the Tumor Biology Section in the Laboratory of Biology, National Cancer Institute, and secretary of the Rotary Club of Bethesda-Chevy Chase.

Later this year, District 762 will send a group study exchange contingent to France. For more information, call Dr. Evans, 496-6442.

The NIH Record

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