Protection and Security at NIH: Present and Planned

Staff, patients and visitors may not be aware of the range of services and expertise offered by the NIH Protection and Security Management Branch (PSMB), Division of Safety. The following articles, highlighting PSMB personnel and services, may help employees understand this branch's range of operations.

Each day approximately 32,000 cars and trucks and 434 buses enter the 11 entrances of this branch's range of operations. Of the 125 PSMB employees, 73 are members of the Police Department trained in law enforcement, personal, and physical security. Other staff members are specialists in criminal investigation, security, or administration of parking and traffic control programs. Collectively, they serve to create and maintain a safe and secure environment on the NIH campus.

Some new initiatives are planned for NIH by the PSMB. Among these are:

- A comprehensive assessment of NIH security services and initial steps in planning a crime prevention program to assist employees on and off campus.

(See SECURITY, Page 10)

Dr. Abner L. Notkins, Authority on Viral Immunology, Named Director of NIDR's Intramural Research Program

Dr. Abner Louis Notkins, an international authority on viral immunology, has been named director of the Intramural Research Program, National Institute of Dental Research. He succeeds Dr. Marie Nylen, now associate director for the NIDR Extramural Program. He will retain his position as chief of the Laboratory of Oral Medicine.

The major thrust of Dr. Notkins' work has been to elucidate mechanisms involved in the pathogenesis of viral and endocrine diseases. In his early work, he concentrated on persistent infections and showed how the immune response to viruses caused tissue injury.

He demonstrated that viruses could produce a life-long viremia (presence of virus in bloodstream) and exist in the circulation in the form of infectious virus-antibody complexes, paving the way for studies on immune complex disease. He also pioneered work on the effect of viral infections on the functional capacity of the immune system. He is coeditor of the book Concepts in Viral Pathogenesis.

Over the last decade, Dr. Notkins focused on the role of viruses and autoimmunity in endocrine diseases, especially insulin-dependent diabetes mellitus (IDDM). He is recognized worldwide for his contributions to diabetes research.

He showed that viruses could produce diabetes in experimental animals by destroying insulin-producing beta cells, that susceptibility was genetically controlled, and that the disease could be prevented by a vaccine.

Dr. Notkins and his colleagues then extended this work to humans showing that occasional cases of IDDM could be triggered by viruses.

Recently, he has been tracking other factors such as autoantibodies that might be involved in endocrine diseases. Ordinarily the immune

PHS Tightens Policy On Laboratory Animals

The Public Health Service has revised its policy on the humane care and use of laboratory animals, NIH has announced.

The policy expands requirements and reduces the number of recommendations. "This change in policy gives us added assurance that PHS-supported institutions will provide proper care and use of laboratory animals," Dr. James B. Wyngaarden, Director of NIH, said.

Although the policy does not become effective until November, Dr. Wyngaarden encouraged institutions conducting animal research to implement its new provisions "as soon as it is feasible."

Since almost half of NIH research projects supported through grants and contracts involve the use of live animals—mostly rodents—the revised policy will have a broad impact in the biomedical research community.

Copies of the new policy will be widely distributed later this month in a special issue of the NIH Guide for Grants and Contracts.

There are five major changes in the revised policy.

- Institutions are required to designate clear lines of authority and responsibility for those involved in the use and care of animals in PHS-supported projects. Each institution must name an official as ultimately responsible for the institution's animal program and a veterinarian

(See ANIMALS, Page 12)
Four Science Fiction Writers Will Conduct STEP Forum

The STEP Forum series will present an NIH-wide forum on Science and Science Fiction, Tuesday, May 28 from 1:30 to 4 p.m. in Wilson Hall, Bldg. 1.

Four popular science fiction authors will participate in an afternoon roundtable. They will consider where science fact and science fiction have converged and where they have differed, discussing whether science fiction and science fact tend to leaping one another, or whether one tends to lead the other.

Panel members will focus on what they do as science fiction writers and how they do it, emphasizing how they get ideas and how they make them come to life as effective, best-selling stories. There will be ample opportunity for audience participation.

The following writers will make up the panel:

- A.C. Crispin, author of several episodes of the television series V, and a number of successful books including Yesterday's Son and Sylvestor;
- Jack Chalker who specializes in adventure novels featuring aliens such as Midnight at the Well of Souls and The Identity Matrix;
- Sherianni Lewitt who focuses on Indian magic and matters of mind such as First and Final Rites and Chaute;
- Som Tow Suchartikul, best described as a whimsical and highly entertaining speaker as well as author of such books as Utopia Hunters, Vampire Junction, and Darken Wind.

The forum is open to all NIH professional and support staff. No advance registration is required. For additional information, contact the STEP Program Office, Bldg. 31, Room 1863, 496-1493.

FIC Conference on Immunology, Contraception, Fertility June 5-7

The Scholars-in-Residence Branch, Fogarty International Center, will sponsor a conference on "Immunological Approaches to Contraception and Promotion of Fertility," June 5-7, in the Lister Hill Auditorium, Bldg. 38A, starting at 8:30 a.m. The program has been organized by Dr. G. P. Talwar, director, National Institute of Immunology, New Delhi, India who arrived May 13 to begin his final term as a Fogarty Scholar-in-Residence.

Subjects to be discussed include:
- Current status of vaccines against gonadotropins for female contraception
- Antihormonal vaccines for control of male fertility
- Cloning and expression of the subunits of h-CG and other gonadotropins
- Progress on sperm antigen
- The zona pellucida antigens
- Rational vaccine design: opportunities offered in molecular genetics
- Immunopromotion of fertility


Fogarty Sets Final Seminar in Cancer Series for June 3

Dr. George Poste, vice president for research and development, Smith Kline and French, will talk about "Generation and Control of Cellular Diversity Within Malignant Tumors," at the last seminar of the Fogarty International Center Series on Growth, Invasion and Metastasis. He will speak June 3, at 4 p.m., at Stone House. The seminar, originally planned for Jan. 17, had to be postponed because of bad weather.

Dr. Betty Pickett at Dedication

Dr. Betty P. Pickett, Director of the Division of Research Resources, was not identified in a photo in the May 7 issue of The NIH Record showing Dr. Pickett, Dr. James B. Wyngaarden, NIH Director, and Atlanta University officials at the dedication of the Goephis E. Milligan Science Research Institute at Atlanta University. DRR has funded biomedical research at the university through the Minority Biomedical Research Support Program for more than a decade.
The circus has come to town and made its home at the NIH Clinical Center. This particular circus is the work of local glassblower, Friar Jerry Hovanec, and was donated to the Clinical Center by a group of art patrons.

The presentation was made by the artist and a reception was held for the artist and the contributors in the 13th floor clinic where the circus will reside, on Friday, April 26.

The work is 6 feet wide and 3 feet tall and displays 10 inch high whimsical glass figures of color and motion representing a host of zany characters including a ring master, clowns, a juggler, a human cannonball, and acrobats.

"It wasn't meant to be sophisticated," said Hovanec. "It was designed to look like something a kid would draw after spending an afternoon at the circus."

Hovanec is a member of the Capuchin Order, a branch of the Franciscan religious order within the Roman Catholic Church. He has established Washington's only glassblowing studio at the St. Francis Friary. His glass and ceramic creations have helped support the Capuchin community since 1967 when he joined the order.

Hovanec grew up in Pennsylvania where he attended St. Fidelis Seminary College and received a B.A. in philosophy. During his senior year he took some pottery courses at nearby Slippery Rock State College. He worked as a potter for the next 10 years. In 1979, he attended the Penland School of Crafts in North Carolina where he learned to blow glass. He's been working with glass ever since.

Now that they've sold the circus, Hovanec and Harvey are considering their next piece. What will it be?

"We've considered an orthodontist's office," he said. "You know, a patient on the floor with a crowbar in his mouth. A muscular nurse with a tattoo robbing the patient's wife, a kid in the waiting room with braces that have sprung awry. A tooth fairy circling overhead..."
Dr. Jeffrey Schlim, NCi Lab Chief, Will Receive 9th Annual Richard and Hinda Rosenthal Award

Dr. Jeffrey Schlim, chief of NCi's Laboratory of Tumor Immunology and Biology, will receive the 9th Annual Richard and Hinda Rosenthal Award at the 76th annual meeting of the American Association of Cancer Research, May 22-25, in Houston, Tex. The award is given each year for "innovative work, leading to significantly improved clinical care in the field of cancer."

Dr. Schlim will review "monoclonal antibodies of tumor antigens and oncogene products in the management of human carcinomas (cancers)."

With the development of hybridoma technology, monoclonal antibodies became a primary research tool for the characterizing and managing cancer. (Monoclonal antibodies are produced from hybrid cells (hybridomas) made by fusing an immortal cancer cell with a normal antibody-producing cell. Each hybridoma produces large amounts of identical antibody directed against a specific antigen (a foreign substance in the body, like a cancer cell).)

Dr. Schlim and his colleagues are using monoclonal antibodies to characterize cancer cells and develop novel diagnostic and potentially therapeutic procedures for breast, colon, lung, and ovarian cancers.

In collaboration with researchers from other medical centers, they have developed a way to detect metastases (migrated cancer cells) in body fluids such as pleural fluid around the lungs, abdominal fluid, and fluids withdrawn by needle. Using the monoclonal antibody, MAb B72-3, they have so far identified cancer cells in body fluids of approximately 80 patients with lung, breast, colon, or ovarian cancer.

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Before surgery, patients are injected with MAb B72-3 that has been radiolabeled with 131. Patients are then scanned with a gamma camera to define the location of the cancer. After surgery, researchers measure the amount of radiolabeled antibody that has attached to the surgical specimens to evaluate the specificity of the monoclonal antibody for the cancer of that particular patient.

In his studies, Dr. Schlim has also shown that human cancer cells have the ability to modulate (vary the strength or activity of) the tumor-associated antigens expressed on their cell surface; for that reason, not all cells of a tumor mass may be expressing a given tumor antigen at the same time.

Dr. John Greiner and other researchers in Dr. Schlim's laboratory have recently shown that recombinant interferon has the ability to enhance tumor antigen expression on cancer cells but not normal cells. The use of interferon in combination with monoclonal antibodies thus results in more efficient attachment of the monoclonal antibody to the cancer cells.

Dr. Schlim said that interferon may also be useful in the development of more efficient monoclonal antibody therapy.

Dr. Schlim and colleagues, Drs. Ann Thor and Pat Horan from his laboratory, have also used monoclonal antibodies directed against a product of the human ras oncogene (a transforming or cancer-triggering gene) called ras p21, to study the expression of this oncogene product in individual cells and to accurately define its expression in clinical material, such as colon and breast cancers. In both colon and breast cancers, metastases that were far from the initial cancer did not have increased ras genes.

The presence or activation of the ras oncogene may be one step in the multistep spread of cancer, Dr. Schlim said. More research in this area may yield sharper diagnostic tests for characterizing colon cancers and may lead to a better understanding of the role that these oncogenes play within "premalignant" and cancer cells.

Dr. Schlim began his career at NCi in 1973 after completing his B.S. at Ohio State University, earning an M.S. from Adelphi University and a Ph.D. from Rutgers University, and working at the College of Physicians and Surgeons of Columbia University.

He has received numerous honors including the NIH Director's Award in 1977, and in 1985 was the Distinguished Lecturer for the Canadian Cancer Society.

He has published over 150 papers on tumor immunology, tumor cell biology, and viral carcinogenesis and serves on several editorial boards including the Journal of the National Cancer Institute, Cancer Research, and Breast Cancer Research and Treatment.

Animal Care Training

A new training course Guidelines for the Care and Use of Animals in Intramural Research, for Investigators and Technicians, will be presented Wednesday, June 12, 9 a.m. to 12 noon in the Bldg. 21 classroom.

The course is presented cooperatively by the NIH Animal Research Committee and the NIH Training Center. This first presentation of what will be a regularly scheduled course is designed to help the Institutes obtain training for staff as specified in recent NIH policies and guidelines.

Topics covered will include:

- Public interest and humane treatment of animals
- Principles and policies for animal use at NIH
- Responsibilities of the animal user
- Training opportunities and technical assistance for NIH animal users
- Panel discussion of animal use

The June class can accommodate 50 persons. Application forms are available from Institute personnel offices and chairpersons of Institute Animal Research Committees. Registration closes May 24.

For more information, call Dr. James Harwell at 496-1076.

NIDR Pain Clinic Seeks Volunteers for Two Studies

The NIDR Pain Clinic seeks patients ages 18 to 60 to participate in a study of chronic tension headaches. Subjects must be willing to make frequent visits and must have a partner available to participate with them.

The Pain Clinic is also seeking patients over 18 years of age to participate in a drug study. Subjects must have chronic facial pain due to spasm of the facial muscles surrounding the temporomandibular joint (TMJ).

For further information on the two studies, call Dr. Singer, 496-5483.

ACRF Cafeteria Opens June 3

The ACRF cafeteria, located on the 2nd floor, Bldg. 10C, will open on Monday, June 3. It will offer food service to the NIH staff, patients, and visitors.

A limited menu will be available consisting of continental breakfast and soups, sandwiches, salads, desserts, and beverages for lunch, with snack foods available in morning and mid-afternoon. Full service—hot entrees and sandwiches, grill service—will be provided by late summer.

Hours of operation, Monday through Friday, excluding weekends and holidays, will be as follows:

- Continental Breakfast: 7 a.m. to 9:30 a.m.
- A.M. Snack: 9:30 a.m. to 11 a.m.
- Lunch: 11 a.m. to 1:30 p.m.
- P.M. Snack: 1:30 p.m. to 3 p.m.

Besides this new ACRF food facility, the existing cafeteria on the B1 level of Bldg. 10 will continue to offer 24-hour service to the NIH community.

Catering services will be provided. Requests for catered functions should be directed to Kathleen Courie, 496-3172.
Dr. Lance Liotta, chief of NCI's Laboratory of Pathology, will receive the 6th annual Rhoads Memorial Award at the 76th annual meeting of the American Association for Cancer Research in Houston, May 22 to 25. The AACR gives this award each year for "meritorious achievement in cancer research."

"We need to understand metastasis, the process by which cancer spreads through the body, because failure to control it is usually what kills the cancer patient," says Dr. Liotta.

By focusing on key substances that cancer cells use to spread through the body, researchers can develop new diagnostic and therapeutic methods using monoclonal antibodies or other strategies to predict which cancers will spread and then prevent their spread.

Identifying Metastatic Cells

Dr. Liotta and his colleagues are developing ways to identify and block cells that separate from the initial cancer and migrate through the bloodstream or lymph system to other parts of the body. Certain cancer cells have characteristics that allow them to penetrate the extracellular connective tissue matrix that surrounds the cancer, enter the bloodstream or lymphatic system, cross the extracellular matrix again, and then grow in another part of the body.

The extracellular matrix is a dense meshwork that separates the body into tissue compartments and acts as a scaffolding for cell attachment.

The basement membrane—an integral part of the extracellular matrix—is the continuous tissue layer that surrounds organs and lines blood vessels and lymph nodes.

Scientists can predict what cancers will spread more easily by looking at the basement membrane around the tumor. Researchers in Dr. Liotta's lab have found that benign tumors have continuous basement membranes but invasive cancers often have a defective or absent basement membrane. This could be due to a decreased or faulty production of the membrane components or to dissolution of the basement membrane by the cancer cells.

In the first step of metastasis, cancer cells attach themselves to this continuous matrix and dissolve it to begin their migration to other parts of the body.

Dr. Liotta's group found that the laminin molecule, a natural protein in the basement membrane, acts as a bridge between cancer cells and the basement membrane. Laminin has a cross-shaped structure with three short arms and one long arm. The intersection of the three short arms of the molecule attach to the laminin receptor on the cancer cell while the end regions of the arms attach to type IV collagen, a structural protein in the basement membrane.

In Dr. Liotta's studies, an engineered fragment of laminin, made of only the intersection region of the three short arms, stopped the metastatic spread of melanoma skin cancer in mice because it blocked the laminin receptor and lacked the collagen attachment site.

As more of the same engineered laminin fragments were injected, fewer cancer cells were able to attach to the basement membrane, dissolve it, and spread.

Researchers in Dr. Liotta's laboratory have identified, isolated, and purified a laminin receptor on cancer cells. In the laboratory, monoclonal antibodies directed against the laminin receptor have been able to stop the attachment of breast cancer cells to human amnion basement membrane by covering up the laminin receptors on the breast cancer cells. These scientists are also using monoclonal antibodies to learn more about the exact location of the laminin receptor on the cancer cell, the function of each part of the receptor, if it is present on other cells in the body, and the gene responsible for its production.

Current researchers at NCI are correlating the number of laminin receptors present in a malignant tumor with the capacity of the cancer to spread. So far, they have found that the cells from some breast cancer patients have more laminin receptors and, therefore, an increased capacity to attach to a basement membrane, invade, and metastasize (spread).

After a cancer cell attaches itself to the basement membrane via laminin, it produces an enzyme, called type IV collagenase, that dissolve type IV collagen. Now the researchers are trying to find the exact breakpoint of the collagen and to develop monoclonal antibodies to block the enzyme.

Dr. Liotta and his colleagues are using the technique of DNA transfection to analyze the genetic structure of metastatic cancer cells. They add DNA fragments from human cancer cells to (NIH3T3) mouse cells. Each DNA fragment holds specific genes. Dr. Liotta said that if the mouse cells containing the new DNA begin to produce type IV collagenase, are invasive, and produce metastases when injected into mice, the cells are considered induced to express the metastatic behavior, are able to spread to new sites and the genes responsible for this transformation can be determined.

Researchers in his lab are also studying the metastatic mouse cells for other biochemical characteristics that may reveal why these cells can invade and metastasize.

Dr. Liotta began his career at NCI in 1976 in the Laboratory of Pathology after receiving his Ph.D. and M.D. degrees from Case Western Reserve University. He has worked in the field of cancer metastasis for over 10 years and holds many U.S. patents.

He won the Arthur S. Flemming Award in 1983 and the Warner-Lambert Parke-Davis Award in December 1984 for his contributions to cancer research.

Dr. Liotta recently helped organize an international symposium on "Biochemistry and Molecular Genetics of Cancer Metastasis," held at NIH last March. The symposium brought together scientists from the U.S., Canada, and Europe to review and discuss their metastasis research.

Theatre Group To Benefit PEF

The R&W Theatre Group will give a performance of Kaufman & Hart's comedy, The Man Who Came to Dinner to benefit the Patient Emergency Fund on May 30, 31, June 1, 7, 8, 14, and 15 at 8 p.m. and a matinee on June 2 at 3 p.m. in Masur Auditorium, Bldg. 10. Tickets are available in advance from R&W.

NIH Singers Present Concerts

The NIH/R&W Singers, under the direction of Philip Candilis, will present their annual spring concerts in the Clinical Center's Masur Auditorium, Wednesday, May 22, at noon, and Thursday, May 23, at 8 p.m. These free concerts feature works of Romantic composers, in addition to selections by Gilbert and Sullivan and a medley by the Barbershop Quartet.

The Singers would like to recruit more basses and tenors. Those interested should call the director at 496-1756.
NIH Director's Award

Dr. Stephen L. Bacharach
Physicist (Nuclear Medicine)
Nuclear Medicine Department
Clinical Center
"For initiative, high scientific standards, creativity, productivity and consistent demonstrations of insight into research issues as a Physicist on the Clinical Center Staff."

Dr. James E. Balow
Medical Officer (Internal Medicine)
Arthritis and Rheumatism Branch
National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases
"For outstanding scientific contributions and superior performance in leading the activities of the Division of Kidney, Urologic and Hematologic Diseases, NIADDK."

Dr. Vida H. Beaven
Special Assistant to the Deputy Director, NIH
Office of the Director
"For demonstrating sensitivity and exceptional knowledge of agency policies and serving with consistent excellence and resourcefulness in liaison capacity with staff of OD and NIH Institutes."

Dr. Gilbert W. Beebe
Statistician (Health)
Clinical Epidemiology Branch, DCE
National Cancer Institute
"For applying extraordinary knowledge of dosimetry and human effects of ionizing radiation in devising radioepidemiology tables."

Dr. Andreas C. Chrambach
Head, Section on Macromolecular Analysis, Laboratory of Theoretical and Physical Biology
National Institute of Child Health and Human Development
"For pioneering the development of methods in gel electrophoresis and their application to the characterization and purification of hormones, enzymes, and receptors."

Dr. John E. Coligan
Head, Membrane Antigen Structure Section, LIG
National Institute of Allergy and Infectious Diseases
"For elucidation of the primary protein structure of major transplantation antigens and definition of functionally relevant variations in these highly polymorphic molecules."

Dr. Joan Cornoni-Huntley
Deputy Associate Director for Epidemiology, Demography, and Biometry Program
National Institute on Aging
"In recognition of sustained excellence in the development of major epidemiologic research activities on health and illness of the elderly within the National Institute on Aging."

Outstanding accomplishments of various staff members will be recognized by Dr. James B. Wyngaarden, Director, NIH, at the 15th Annual NIH Honor Awards Ceremony to be held on Monday, June 17, 1985. All employees are invited to attend the ceremony which begins at 1:45 p.m. in the Jack Masur Auditorium.

The NIH Director's Award recognizes exceptional work performance by employees who have made substantial or exceptional contributions to the benefit of the programs or the people of the NIH. This honor award is approved by Director, NIH, and 36 staff members will receive this recognition.

The Outstanding Service Medal will be presented to six commissioned officers. This award recognizes officers who have either demonstrated outstanding continuous leadership in carrying out the mission of the PHS, or have performed an accomplishment which has had a major effect on the health of the nation, or have performed a heroic act resulting in the preservation of health or property.

The PHS Outstanding Unit Citation will be presented to four commissioned officers as
Ceremony—June 17

Staff members of the Pharmaceutical Development Service Section, Pharmacy Department, Clinical Center. This award is made to officers who exhibit superior service toward achieving the goals and objectives of the Public Health Service. The award requires the performance of exceptional service of national or international significance. The award recipients are: John A. Eltermann, Jr., Raymond F. Greene, Jr., George J. Grimes, Jr., and James W. Wilson III.

The NIH-EOO Award of the Year will be presented to Nola J. Whitfield, program analyst, Division of Extramural Activities, NCI.

The Harvey J. Bullock, Jr. Award for Equal Opportunity Achievement will be presented to Fannie Alexander, technical information specialist, Office of Planning and Analysis, NINCI.

At the ceremony, Presentation of Colors will be made by the Joint Armed Forces Color Guard and music will be provided by the Montgomery College Small Jazz Ensemble under the direction of Dr. James Badolato.

Judith M. DiPietro
Biologist
Laboratory of Molecular Hematology
National Heart, Lung, and Blood Institute
"In recognition of contributions to the DNA microinjection and bone marrow transplantation projects and for direction of the mouse breeding program."

Yvonne DuBuy
Budget Officer
National Institute of Allergy and Infectious Diseases
"For excellent management of the NIAID budget, and exceptional financial management skill and creativity exercised with respect to Acquired Immunodeficiency Syndrome research funding."

Vr. Feldman
Mr. Fitzsimmons

Janice M. Feldman, R.N.
Chief, Allergy, Arthritis and Child Health Nursing Service
Nursing Department
Clinical Center
"For superior performance in the administration of the Cancer Nursing Service, contributions as an innovative administrator, and for demonstrating exceptional leadership skills in initiating significant nursing management improvements."

William T. Fitzsimmons
Executive Officer
National Institute of General Medical Sciences
"For exceptional performance as Executive Officer of the National Institute of General Medical Sciences, as evidenced by significant contributions to both the NIGMS and the entire National Institutes of Health."

Dr. Hayden
Ms. Hendrix

Dr. George A. Hayden
Health Scientist Administrator
Project Officer, Minority Hypertension Research Development Summer Program; Coordinator, Division Minority Programs
National Heart, Lung, and Blood Institute
"In recognition of superior service to the Minority Research Training Programs and Research Training and Development Branch of the Division of Heart and Vascular Diseases."

Norma M. Hendrix
Supervisory Staffing Specialist
Systems and Actions Branch, DPM
Office of the Director
"For dedication, expert technical knowledge, consistent superior work performance and leadership as Head, Personnel Actions and Records Section, Systems and Actions Branch, Division of Personnel Management."

Dr. Karten
Jr. David Ian Hoult
Physical Scientist
Biomedical Engineering and Instrumentation Branch
Division of Research Services
"For extraordinary imagination, profound insight, and sustained technical achievement in support of research on nuclear magnetic resonance imaging at the National Institutes of Health."

Dr. Marvin J. Karten
Chemist
Contraceptive Development Branch
National Institute of Child Health and Human Development
"For conceiving and managing with skill and dedication an internationally recognized program to synthesize and test new chemical entities for fertility regulation."

(Continued on Page 8)
NIH Director’s Award (cont’d)

Dr. Henry M. Kissman
Associate Director for Specialized Information Services
National Library of Medicine
“For foresight and leadership in developing and improving the availability of critical toxicological information for the biomedical community.”

Dr. Ching-Juh Lai
Head, Molecular Viral Biology Section, LID
National Institute of Allergy and Infectious Diseases
“For significant contributions to basic understanding of the manner in which influenza A virus transcribes and translates its genetic information.”

Dr. Frances A. Pitlick
Associate Director for Scientific Programs
Division of Blood Diseases and Resources
National Heart, Lung, and Blood Institute
“For effective and exceptional service to the Blood Diseases and Resources Division, NHLBI, by providing strong leadership, unbounded energy and creative outputs for the Division.”

Margaret C. Quinlan
Secretary to the Director, NIH
Office of the Director
“For diligence, resourcefulness and conscientiousness in meeting the many demands encountered in providing a wide range of administrative and secretarial support to the Director, NIH.”

Dr. Jane L. Showacre
Executive Secretary
Maternal and Child Health Research Committee
National Institute of Child Health and Human Development
“For sustained superior performance in management of the Maternal and Child Health Research Committee, National Institute of Child Health and Human Development.”

Dr. Edward G. Lakatta
Chief, Cardiovascular Section
Clinical Physiology Branch
National Institute on Aging
“For creative leadership and exceptional achievement in the development of a comprehensive research program on aging and the cardiovascular system.”

Jeanne Malcolm
Chief, Project Control Unit
Referral and Review Branch
Division of Research Grants
“For productively creative leadership and work performance as Chief, Project Control Unit, Referral and Review Branch, Division of Research Grants.”

Lucille Reaves
Supervisory Communications Specialist
Office of Administrative Management
National Institute of Environmental Health Sciences
“In recognition of leadership and dedication in providing high quality, responsive office service and communication support to the National Institute of Environmental Health Sciences.”

Deborah S. Ris
Secretary (Typing)
Health Education Branch
National Heart, Lung, and Blood Institute
“In recognition of consistently superior performance and exceptional contributions to the National High Blood Pressure Education Program and the Health Education Branch.”

Dr. Doris H. Merritt
Medical Officer
Office of Extramural Research and Training
Office of the Director
“For sustained high quality performance in coordinating NIH activities in research training and research career development.”

Dr. Maureen W. Myers
Antiviral Substances Program Officer
Development and Applications Branch
National Institute of Allergy and Infectious Diseases
“For exceptional administration of collaborative clinical studies for evaluation of antiviral therapy for chronic hepatitis B infections, herpes encephalitis, juvenile laryngeal papilloma, and genital warts.”

Mr. Skelton
Chief, Cagewashing Unit
Media and Glassware Service Branch
Office of Research Services
“For managerial ability, dedication to quality and work output which have upgraded the cage washing service to a state of excellence resulting in improved service to the NIH community.”

Marianne S. Wagner
Personnel Officer
Office of Administrative Management
National Cancer Institute
“In recognition of contributions to computerizing personnel functions and for demonstrated leadership in the field of personnel management.”

Dr. Sharon M. Wahl
Chief, Cellular Immunology Section
Laboratory of Microbiology and Immunology
National Institute of Dental Research
“For superior leadership as Chief of the Cellular Immunology Section and sustained achievements in exploring the role of cell-mediated immunity in the regulation of chronic inflammation.”
Edmund J. Wendel, Jr.
Biologist
Laboratory of Viral Carcinogenesis, DCE
National Cancer Institute
“For major contributions to the establishment and characterization of genetic variants for promotion of neoplastic transformation or mitogenic response, valuable tools in cancer research.”

Dr. Billy G. White
Supervisory Mathematical Statistician
Convulsive, Development and Neuromuscular Disorders Program
National Institute of Neurological and Communicative Disorders and Stroke
“For superior performance as Chief, Technical Information Section and Acting Chief, Epilepsy Branch, Convulsive, Developmental and Neuromuscular Disorders Program.”

Dr. John I. Gallin
Head, Section on Bacterial Disease
Laboratory of Clinical Investigation
National Institute of Allergy and Infectious Diseases
“For research leading to a better understanding of the mechanisms of phagocytic cell function in the host defense process.”

Dr. Michael A. Kaliner
Chief, Allergic Diseases Section
Laboratory of Clinical Investigation
National Institute of Allergy and Infectious Diseases
“For important contributions to research on allergy, including asthma, rhinitis and cutaneous hypersensitivity.”

Dr. Walter P. Schneiderwind
Chief, Physical Therapy Department
Clinical Center
“In recognition of a heroic act in which he voluntarily risked loss of his own life and during which he sustained personal injury in order to rescue an injured person from heavy seas on Virgin Gorda, British Virgin Islands, on January 17, 1985.” (Award is with a Bronze V device.)

Dr. Bruce S. Schoenberg
Chief, Neuroepidemiology Branch, IRP
National Institute of Neurological and Communicative Disorders and Stroke
“For consistent contributions to the field of epidemiology as they relate to cerebrovascular disease and its magnitude, distribution, and risk factors.”

Nola J. Whitfield
Program Analyst
Division of Extramural Activities
National Cancer Institute
“For outstanding contributions to advancing the goals and objectives of the NIH EEO programs and for sustained superior accomplishments in support of minority education.”

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

John A. Eltermann, Jr.
Raymond F. Greene, Jr.
George J. Grimes, Jr.
James W. Wilson III
Pharmaceutical Development Service Section
Pharmacy Department
Clinical Center
“For special performance of duties as members of the Pharmaceutical Development Service Section, Pharmacy Department, and for meeting the expanding investigational drug service needs of the Clinical Center.”

Dr. Ernest Eugene McConnell
Chief, Chemical Pathology Branch and Acting Director,
Toxicology Research and Testing Program
National Institute of Environmental Health Sciences
“In recognition of providing leadership to the Toxicology Research and Testing Program and developing a superior pathology program for toxicology/carcinogenesis studies on environmental chemicals.”

Fannie Alexander
Technical Information Specialist
Office of Planning and Analysis
National Institute of Neurological and Communicative Disorders and Stroke
“For outstanding efforts to develop an effective NINCDS Advisory Committee and All Employees’ Meeting and for promoting sensitivity to EEO concerns throughout the Institute.”
Key Control

Whether an employee works in a lab, hospital or office, he is encouraged to use the services provided by the Key Control Unit of PSMB. Locksmiths provide a manually operated and unlocking system for all exterior doors and control locks and keys for the 23,000-plus interior doors for all NIH buildings on and off campus.

A security-minded employee can use a variety of options to ensure security of equipment such as typewriters, balances and computers. Services are obtained through the Key Control Unit, 496-3507.

Cardkey System

A computerized security system called Cardkey electronically locks and unlocks exterior doors at a predetermined time. This system, installed in many NIH buildings, now operates between 6 p.m. and 6 a.m. weekdays, and for 24 hours on Saturdays, Sundays and holidays. Call NIH security specialists Floyd Rush or Debbie Thomson on 496-9818 if you have any questions.

Escort Service

Although assaults are very few on the NIH campus, employees who leave their offices, laboratories or the Clinical Center after hours or when it is dark probably experience some anxiety about their safety. Several services offered by PSMB and the Transportation Branch can make the walk from workplace to transportation easier. Escorts are available by calling 496-5685. NIH Shuttle Service information can be obtained by calling 496-5326.

Signs of Security

Brief rundowns on several aspects of security at NIH follow:

NIH Police

For the past 5 years, NIH police officers have received training at the Federal Law Enforcement Training Center in Glynco, Ga. During the 8-weeks of basic training, officers are taught law, evidence, court procedures, communications, human relations, and investigative techniques, use of firearms and driving and physical protection.

The Communications Room of PSMB receives and transmits approximately 300 messages a day. These include policy, fire and rescue calls, intrusion alarms from the Credit Unions on campus, and after-hour maintenance engineering emergencies. Additional resources located in the Communications Room include 38 monitored VCRs tied to 38 remote cameras capable of recording incidents throughout the campus.

Elizabeth Gibson, the first and only female locksmith in the Key Control Unit, checks for lock security and proper key fit.

• Enhancement of the professional expertise of PSMB. Thomas Kramer, a noted hospital, community and business security expert, has joined the staff to act as a management and technical consultant;
• Service to the NIH community will be highlighted and augmented.

In order that NIH employees gain a better understanding of the services and expertise available, a profile of training and services is being reviewed.

According to Dr. Emmett Barkley, director of the Division of Safety, and acting branch chief, PSMB, "Protection and security programs at NIH can be greatly enhanced by fostering a closer relationship between protection and security professionals and the NIH community. The value of protection and security programs which emphasize service to the community they serve has long been recognized."

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Sexual Assault Workshops

A workshop series on sexual assault will be presented on the NIH campus in cooperation with the Montgomery County and NIH Police Departments. This topic, as well as others, will emphasize crime prevention initiatives on campus and in the community outside of NIH.

Interested employees are encouraged to attend the workshops to gain a better understanding of how and when sexual assaults occur to dispel misconceptions about such assaults, and to get acquainted with the services provided by the two police departments.

The following schedule has been arranged to accommodate both daytime and evening employees:

- Tuesday, June 4 6 to 7 p.m. CC Amphitheatre
- Thursday, June 6 1 to 2 p.m. CC Amphitheatre
- Tuesday, June 11 1 to 2 p.m. Wilson Hall, Bldg. 1

For further information, call Jim Koerber at NIH Police, 496-6893.

Emergency Telephone Numbers

<table>
<thead>
<tr>
<th>Bldg. 10, Clinical Center, ACRF numbers:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Police</td>
<td>496-8872</td>
</tr>
<tr>
<td>Security Surveys and Administrative Concerns</td>
<td>496-4799</td>
</tr>
<tr>
<td>Campus, All Buildings:</td>
<td></td>
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<tr>
<td>Emergency Police</td>
<td>115</td>
</tr>
<tr>
<td>Security Evaluation (except Bldg. 10)</td>
<td>496-9818</td>
</tr>
<tr>
<td>Investigations</td>
<td>496-3211</td>
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<tr>
<td>Key, Locksmith Security Devices</td>
<td>496-3507</td>
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<tr>
<td>Parking Services</td>
<td>496-6651</td>
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<tr>
<td>Ridesharing Services</td>
<td>496-5050</td>
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<tr>
<td>Escort</td>
<td>496-5685</td>
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<tr>
<td>NIH Shuttle Services</td>
<td>496-5326</td>
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<tr>
<td>On-Off Campus</td>
<td></td>
</tr>
<tr>
<td>MetroRail, Metrobus, Ride-On Bus Information</td>
<td>496-5050</td>
</tr>
<tr>
<td>Government Drivers License</td>
<td>496-4276</td>
</tr>
<tr>
<td>Police, nonemergency</td>
<td>496-5685</td>
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<tr>
<td>Rental Buildings:</td>
<td></td>
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<tr>
<td>Emergency Police (Mont. Co.)</td>
<td>911</td>
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<tr>
<td>Nonemergency police/security:</td>
<td></td>
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<tr>
<td>Blair</td>
<td>427-8609</td>
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<tr>
<td>Landow</td>
<td>496-2766</td>
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<tr>
<td>Westwood</td>
<td>496-7250</td>
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<tr>
<td>Federal</td>
<td>496-1120</td>
</tr>
<tr>
<td>NLM</td>
<td>496-6010</td>
</tr>
<tr>
<td>NIH Animal Center, Poolesville</td>
<td>496-9553</td>
</tr>
</tbody>
</table>

Ocr. John Ferguson (I) issues parking permit for outpatients and visitors on the P-3 level of the ACRF parking garage.
Canines and Security

Gerald Watson and his partner, Maverick, foot patrol the NIH campus after working hours.

NIH staff might jump to conclusions when asked the purpose of dogs on campus. Because NIH is a research community, care and concern of the canine population is probably associated more with research protocols, animal handlers, and animal care committees than security.

But Maverick, a German shepherd trained by Montgomery County Police, is now a member of the NIH Police Department and Maverick attended County training program. Maverick was selected after approximately 50 other dogs were reviewed.

Dr. James F. Harwell, an NIH veterinarian, did medical reviews to determine which dogs were medically fit. The dogs then were tested to determine their level of aggressiveness and how well they responded to a handler.

Cpl. Gerald Watson, a 14-year veteran of the NIH Police Department, and Maverick attended training together to learn to work as a team. Watson and Maverick work together on foot patrol from 8 p.m. to 4 a.m., spending much of their time around the Clinical Center, particularly at nursing shift changes.

But their activity and route are not limited to the Clinical Center. They also patrol the wooded areas around campus, areas with heavy foot traffic, and the Metro station.

Maverick is also trained in search techniques. He is able to identify the scent of a lost child or criminal. His style is systematic. He circles an entire area, then breaks it into different sections so he is able to distinguish between the scent of shrubbery, etc., or the scent of a human and an article previously touched by a human. He is happy to demonstrate his search skills.

Maverick will be joined by another canine colleague, D.J., in the near future. Peter Kekenas, a 1-year veteran with PSMB, and D.J. are currently attending training at the Baltimore County training program.

Ridesharing: How and Where to Arrange It

The NIH Parking Office offers information and assistance to employees interested in ridesharing.

NIH Commuter Club applications are available from the Parking Office. Completed applications are forwarded to the Montgomery County Division of Transit Planning where, with the assistance of the Council of Government, the applications are compiled into a listing of NIH Commuter Club participants. The listing is available in the Parking Office for NIH employees to review.

The Parking Office also has information on all types of ridesharing, including vanpooling and carpooling, and Ride-On, Metrobus and Metrorail schedules. There is also a carpool locator by the Parking Office, Bldg. 31, B1B corridor, which provides a means for prospective carpool members to locate other interested carpoolers by the use of a grid map and carpool locator cards (NIH Form 26-10).

The NIH Commuter Club applications and carpool locator cards are included in each new NIH employees’ orientation package.

Other organizations available to assist NIH employees in establishing or joining van and carpools are:

- **Ridesharing Information Sources** 637-2437
  - Montgomery County Ridesharing Unit: Instant Matching 251-2782
  - **Hotline** 770-POOL
    - 24 hours
  - Share-A-Ride of Montgomery County: Serving Bethesda 656-5804
    - 9 a.m. - 5 p.m. weekdays
  - Serving Silver Spring 588-2335
    - 9 a.m. - 5 p.m. weekdays
  - Serving Germantown 976-6500
    - 9 a.m. - 5 p.m. weekdays
  - Maryland Vanpool Association 622-4888
    - 24 hours
  - Maryland Transportation Authority 659-2999
    - 8:30 a.m. - 5 p.m. weekdays (800) 496-3757

For information on Ride-On bus service, Metrobus, or Metrorail, contact the Parking Office, or:

- **Transit Information Center**
  - Ride-On Bus 251-2225
  - WMATA—Metrobus and Metrorail 637-2437

Cancer Prediction Test’ Video Scheduled for 2 Days Reshowing

Due to technical delays in the presentation of the April Occupational Medical Service health education program in Bldgs. 10 and 38A, some employees were unable to view the entire program.

The Occupational Medical Service has rescheduled The Cancer Prevention Test, a 25-minute videotape, at the following times and locations: Bldg. 10, Thursday, May 23, 11:30 a.m. and noon, Masur Auditorium; Bldg. 38A, Thursday, May 30, 11 a.m. through 1:30 p.m. (continuous showings) Rm. B1N308.

Security at Clinical Center

Full-time security staff in the Clinical Center (Bldg. 10) was established in October 1984. This contingent is under direction of Lt. Andrew L. Fortune.

The positive effect of increasing the full-time security staff in Bldg. 10 for each of the three security shifts is evident when reviewing theft reports and when speaking to Bldg. 10 administrators. Between October 1984 and April 1985, thefts in Bldg. 10 decreased from 35 to 10 per month; the number of dollars lost plummeted from $24,608 in October to $2,990 in June.

Walter Moten, director of Bldg. 10 Housekeeping Services for 31 years, said, “The security specialists currently located in Bldg. 10 are friendly, the housekeepers know them, and they are highly visible. As a result, my staff finds it easier to communicate with them and they feel more secure.”

Susanne Stolier, CC executive officer, says “the Clinical Center has welcomed the assignment of a dedicated officer corps. The officers have been oriented to Clinical Center operations, and staff and patients feel much more secure.”

M. Mike Hemmer, the full-time security specialist in Bldg. 10, welcomes comments and suggestions about security issues. His office is located in Rm. 1N205; call 496-4799.

The Mathilde Solowey Award

The Mathilde Solowey Award was established in 1973 by the Foundation for Advanced Education in the Sciences, not 1983 as was stated in the May 7 issue of The NIH Record. FAES awards the prize each year to an outstanding scientist specializing in research in neurology or diseases of the central nervous system.
Dr. Notkins
(Continued from Page 1)

response defends the individual against foreign invaders (for example, bacteria). Under some
circumstances, however, the immune response can turn against and react with the individual’s
own tissue, a phenomenon known as autoimmunity.

Autoantibodies that react with beta cells, for
example, have been found in many newly diag­
nosed IDDM patients. Studies by Dr. Notkins
and others have shown that the appearance of
dhave the ability to react with mice and human monoclonal autoantibodies, some of which have the capacity to react with
factors in multiple organs.

With large quantities of these autoantibodies
now available, scientists have an opportunity to
isolate and characterize some of the factors in­
volved in human autoimmune diseases—information that will be invaluable in learning not only how these diseases are
switched on, but perhaps how they can be
turned off.

In related research with major clinical poten­
tial, Dr. Notkins, in collaboration with investiga­
tors from the National Institute of Allergy and In­
fected Diseases, has recently developed a recombinant vaccine that blends smallpox vac­
cine with genes derived from herpes simplex
virus type I, the cause of cold sores. In animal
studies, the investigators have shown that mice
inoculated with the new vaccine are protected
against infection with the genital herpes virus.
The vaccine also prevents the virus from tak­
ing refuge in the nervous system—the source
of recurrences that plague sufferers of cold
sores and genital herpes. An added bonus was
the finding from these studies that the new vac­
cine also confers substantial immunity to geni­
tal herpesvirus.

Dr. Notkins cautions, however, that more ex­
tensive testing will be required before such a
vaccine could become commercially available.

During his 25 years as a PHS officer at the
NIDR, he has published and lectured exten­
tively throughout the world in the fields of viral
immunology and immunopathology, as well as
on the role of autoimmunity in diabetes mellitus
and related disorders.

Dr. Notkins received the David Rumbogh
Scientific Award of the Juvenile Diabetes Foun­
dation in 1980 for investigative excellence in di­
betes, and was presented the DHEW Meritori­

He was also the first recipient of the Paul E.
Lacy Research Award. He has received numer­
orous other commendations over the course of
his research career and has delivered a num­ber of honorary lectures in the United States,
Europe, and Asia. He was elected to the Asso­

Animals
(Continued from Page 1)

qualified in laboratory animal medicine who will participate in the program.
- The role and responsibilities of animal care
and use committees of local institutions and
their involvement in all aspects of the institu­
tion’s PHS-supported animal research program
are upgraded. The policy also requires that the
“use committee” include an individual unaffiliated with the institution, a veterinarian
with training or experience in the care and use
of laboratory animals, a practicing scientist ex­
perienced in animal-related research, and a
member whose primary concerns are
non-scientific.
- Each institution is required to provide de­
tailed information on the institution’s program
for the care and use of research animals in
PHS-supported activities. This additional infor­
mation will help in assessing each institution’s
commitment to animal welfare and its ability to
comply with the policy.
- Institutional animal care and use commit­
tees must review and approve those sections of
research applications for PHS funding that
relate to the care and use of animals. PHS will
not award funds for research involving animals
until this approval is documented.
- Any institution that is not accredited by the
American Association for Accreditation of Lab­
oratory Animal Care—the recognized
governmental accrediting organization in the
field—will have to conduct a self-­
assessment of its animal research program
based on the NIH Guide for the Care and Use
of Laboratory Animals. Deficiencies in an insti­
tution’s program or facilities must be reported
to NIH and the institution must correct these
deficiencies within an approved time period.

An updated version of this Guide—prepared
by the Institute for Laboratory Animal Re­
ources within the National Academy of
Sciences—will be released shortly.

The revised policy follows a 2-year NIH re­
view of the policy in effect since 1979. This re­
view included an assessment of NIH’s sys­tem
for approving proposals to conduct PHS-
supported research with live animals as well as
site visits to 15 awardee institutions to evaluate
the adequacy of NIH’s animal welfare assur­
ance system.

One major recommendation of the site visits
report was to expand and strengthen the 1979
policy. A proposed revision was circulated for
comment in April 1984; it drew 340 written and
oral comments. Each comment was considered
by PHS officials who developed the new re­
cently announced policy.

The first workshop to implement the revised
policy was held by the Office of Protection from
Research Risks on the University of Southern
California campus on May 2-3. Some 150 par­
ticipants from 12 states attended.

OPRR plans a series of similar workshops in
other regions of the country in 1986.

Few sinners are saved after the first twenty min­
utes of a sermon.—Mark Twain

A book is a mirror. When a monkey looks in, no
apostle can look out.—Geo. Lichtenberg.