

The NIH Record

U.S. Department
of Health
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Human Services

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No. 19

National
Institutes
of
Health

Nathans To Give NIH Lecture On Oct. 1

Nobel Prize winner Dr. Daniel Nathans, director of the microbiology department at the Johns Hopkins University School of Medicine, will deliver this year's NIH Lecture on Mutational Analysis of a Viral Replikon, on Wednesday, Oct. 1, at 8:15 p.m. in the Masur Auditorium.

Dr. Nathans has made major contributions to the field of molecular biology. After learning that a bacterial enzyme capable of fragmenting DNA had been discovered by a Hopkins colleague, Dr. Hamilton O. Smith, Dr. Nathans applied this restriction enzyme, named Hind II and III, to simian virus 40.

In 1971, he successfully split the SV40 DNA into 11 specific and well-defined fragments. Two years later he described the manner in which SV40 DNA was cleaved by two other enzymes.

(See NIH LECTURE, Page 7)

Cash Bonuses Are Awarded To 10 Scientists at NIH

Ten scientists who work at NIH in the Senior Executive Service were presented bonuses by President Carter in a ceremony at the White House Rose Garden on Sept. 9.

Dr. Joseph E. Rall, scientific director of NIAMDD, was one of 49 career Federal managers who received a one-time bonus of \$20,000 as a "Distinguished Executive" for outstanding performance over the past year.

The other nine members of SES at NIH were named "Meritorious Executives," earning stipends of \$10,000 each for their superior performance.

These include Dr. Julius Axelrod, chief, Section on Experimental Therapeutics, NIMH; Dr. John C. Eberhart, director, Mental Health Intramural Research Program, NIMH; Dr. Ruth L. Kirschstein, Director, NIGMS; Dr. Philip Leder, chief, Laboratory of Molecular Genetics, NICHD; and Dr. Thomas E. Malone, NIH Deputy Director.

Also, Dr. Elizabeth F. Neufeld, chief, Genetics and Biochemistry Branch, NIAMDD; Dr. Arnold W. Pratt, Director, DCRT; Dr. John R. Seal, deputy director, NIAID; and Dr. Earl R. Stadtman, chief, Laboratory of Biochemistry, NHLBI.

The citation for Dr. Rall's award reads: "Dr. Rall's success as an administrator of a broad research program and his personal achievements in thyroid and endocrine research have enhanced the prestige of NIAMDD and NIH in the scientific community both here and abroad.

"He has developed one of the best and most productive biomedical, chemical and physical programs in the world. Throughout his tenure as scientific director, he has managed to maintain an excellent intramural research program even during the period of reduction in personnel ceilings and a shrinking equipment budget.

"Dr. Rall has been a worthy recipient of many honors and awards during his career including several international awards." □

Dr. P. Gorden Named NIAMDD Clinical Director

Dr. Phillip Gorden, chief of the Section on Clinical and Cellular Biology, Diabetes Branch, NIAMDD, has been named clinical director of the National Institute of Arthritis, Metabolism, and Digestive Diseases. He replaces Dr. John L. Decker who has been clinical director since 1976.

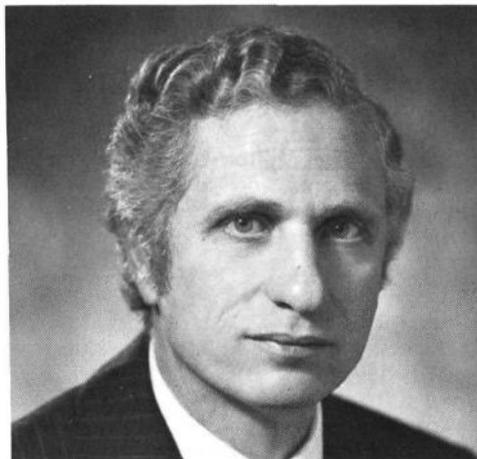
Dr. Gorden, a former PHS clinical fellow and research fellow in metabolism at Yale University, has been a senior investigator in the Diabetes Branch since 1966.

He served as NIAMDD clinical director from 1974 to 1976, when he began a 2-year assignment at the Institute of Histology and Embryology at the University of Geneva.

During his visiting professorship there, he developed the tools and concepts to study the morphological interaction of polypeptide hormones and related ligands with cells.

His research interests include disorders of insulin secretion, heterogeneity of circulating polypeptide hormones, hypoglycemic states, and disorders of growth hormone secretion.

In collaboration with Drs. C. Ronald Kahn



Dr. Gorden is currently clinical professor of medicine at the Uniformed Services University of the Health Sciences, Bethesda, and clinical associate professor, Howard University School of Medicine.

and Jesse Roth, he has extensively studied insulin-resistant states in man, especially those characterized by disorders of the insulin receptor. □

35 C.O.'s Awarded PHS Commendation Medals For Outstanding Work

Public Health Service Commendation medals will be awarded to 35 Commissioned Officers for their outstanding work performance.

These awards, approved by NIH Director Dr. Donald S. Fredrickson, will be presented by B/I/D Directors at local ceremonies.

Achievement Standards Cited

This honor award recognizes sustained high quality work performance in scientific, administrative, or other professional fields; or application of unique skill or creative imagination to the approach or solution of problems; or noteworthy technical or professional contributions that are significant to a limited area.

It requires a level of proficiency and dedication distinctly greater than that expected of the average Commissioned Officer.

(Citations and photographs of the 35 honorees are on pages 4 to 6.)

The NIH Record

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Karate and Judo Classes Throw Open Membership

Beginners and advanced students interested in learning Tae Kwon Do karate or Kodokan judo can sign up for classes this month.

On Mondays for 12 weeks, a beginner's karate course will be taught by Dr. W. French Anderson, a first degree black belt. It will start Sept. 22 from 6 to 7 p.m.

The course will stress front and back stances, rising and side blocks, hand techniques, front and side kicks, combinations, and the introductory technique of Tae Kwon Do kata or chon-ji.

One-step sparring will also be taught along with various self-defense moves. Course participation can lead to a gold belt rating.

For students with previous training, intermediate and advanced classes will also be held on Mondays: intermediates from 7 to 8 p.m., and advanced from 8 to 9 p.m. Instruction in these classes include more advance stances, blocks, punches, and kicks, sparring drills, advanced kata, board breaking (optional), and controlled free sparring.

Beginner's Pay \$25

The beginner's course in karate will cost \$25, and the charge for advanced students is \$15 a month.

On Tuesdays, a 12-week beginner's judo course will begin on Sept. 23, from 6 to 7:30 p.m., and will run until Dec. 9.

Instruction will be given by NIH Deputy Director Dr. Thomas E. Malone, a second degree Nidan black belt, and Diane Moore, a first degree Shodan black belt.

The course will emphasize judo principles and techniques that will lead to mental and physical development that can carry over to daily living.

Judo exercises, methods of breaking falls, and selected throwing and grappling forms

NIH Hispanic-American Cultural Week Program Activities Begin Sept. 25

A panel discussion on the status and condition of Hispanics will be one of several cultural events that will be part of NIH's Hispanic-American Cultural Week Program on Sept. 25-26.

Past, Present, and Future Obstacles in Hispanic Progress is the panel topic that Hon. Baltazar Corrada del Rio, Puerto Rico's Resident Commissioner, U. S. Congress, Dr. Eugene Cota-Robles, professor University of California, Santa Cruz; Marta Istomin, artistic director, John F. Kennedy Center for the Performing Arts; and Dr. Santiago Rodriguez, affirmative action director, Stanford University, will discuss on Thursday, Sept. 25, at 11:30 a.m., in Wilson Hall, Bldg. 1.

Following the discussion, there will be a Hispanic recruitment effort. EEO officers, personnel officers, and Hispanic employment program staff will disseminate information to Hispanics interested in working at NIH.

On Friday, Sept. 26, at 11:30 a.m., in the Masur Auditorium, Carlos Barbosa-Lima, a former pupil of the famous Spanish guitarist Andres Segovia, will give a classic guitar concert.

At 7:30 p.m., Latin American music will be offered by Jesse Pessoa and his group. South American folk music and dance will be presented by a group from Paraguay.

Millipore Products Workshop Features New Technologies

The Supply Operations Branch, DAS, has scheduled workshops on Millipore products in Bldg. 36, Rm. 1B-07, on Tuesday, Sept. 30, 9 a.m. to 4 p.m., and Wednesday, Oct. 1, 9 a.m. to 3 p.m., in Bldg. 10, 14 floor auditorium.

New Application To Be Featured

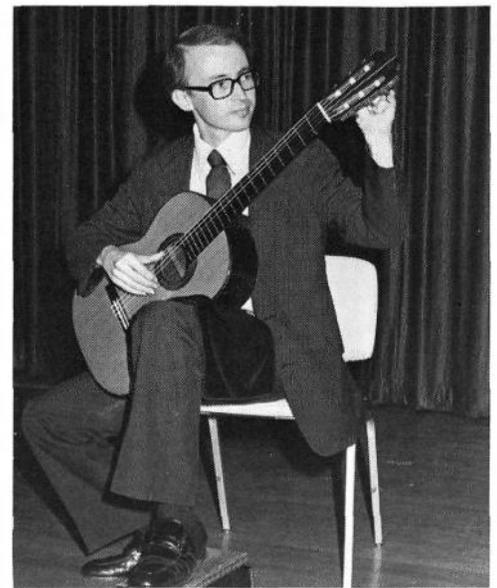
The workshop will feature new applications and new technologies including filtration and separation, enzymes, HPLC, and water purification.

Scientists from Millipore, Worthington, Waters Associates, and Continental Water will be available to discuss the complete range of technologies and product applications. □

will be included. Members who complete this course will be eligible to continue and be considered for promotion to other ranks, either through tournament competition or as a noncompetitor. The course cost is \$35.

Applications for both courses can be obtained from the R&W Association's Activities Desk in Bldg. 31, Rm. 1A-18. Karate applications can also be obtained from Dr. Anderson, 496-5844. Judo forms are available from Dr. Malone or Sue Stewart, 496-5586. Completed applications should be returned to Dr. Anderson or Ms. Stewart.

All checks should be made payable to the NIH Judo Club. □



Classic guitarist Carlos Barbosa-Lima will give a lunch-time concert.

These events are free and open to the public.

In addition, during Hispanic-American Cultural Week there will be a special exhibit honoring Hispanics who have made scientific contributions over the years. The exhibit will be on display in the NIH Library exhibit hall at the Clinical Center from Sept. 15 to Sept. 26.

For further information about these events, call Marlene Patino, 496-9013. □

History of Medicine Society Holds Meeting Sept. 25

The Washington Society for the History of Medicine will hold its first meeting for the 1980-81 season Thursday, Sept. 25, at 8 p.m. in the Billings Auditorium at the National Library of Medicine.

Dr. Mary Matossian, associate professor of history, University of Maryland, will speak on Mould Poisoning and the Modern Rise of Population.

In addition, Dr. Charles G. Roland, Hannah Professor of the History of Medicine, McMaster University, Hamilton, Ontario, will present his views on Canadian Aspects of the War of 1812.

The public is invited. □

Next Sailing Club Meeting Features Chesapeake Bay Folk Singer

Tom Wisner left graduate school in science to become a folk singer.

At the NIH Sailing Club meeting on Thursday, Sept. 25, at 8 p.m., in Bldg. 30, Rm. 117, Tom will sing some modern day sea chanties he has written about the Chesapeake Bay and its tributaries.

He has performed throughout the Bay region and his music provided the background for the recent week-long National Public Radio series on the Bay.

Visitors are welcome.

For further information, call Joan Beerweiler, 496-6244. □

CLINSPEC Provides Highly Accurate Analysis Of Compounds in Biological Materials

Over the last few years, metabolic research into certain pain-relieving drugs in mothers and their neonates by Dr. Betty Kuhnert of Case Western Reserve University, Cleveland, has advanced through a unique national training and user program known as CLINSPEC—a laboratory system that uses gas chromatography-mass spectrometry instrumentation to obtain precise research information.

CLINSPEC provides clinical investigators with rapid and highly accurate qualitative and quantitative analysis of compounds in biological materials, such as serum and urine.

Dr. Kuhnert used the high technology facilities associated with the General Clinical Research Center at the Medical University of South Carolina, Charleston, one of the 75 General Clinical Research Centers supported by the Division of Research Resources, which established the CLINSPEC program.

Dr. Kuhnert's work was first done in the GCRC at Cleveland's Metropolitan Hospital where she made progress in acquiring important knowledge about drug breakdown in mothers and their newborns. Her findings demonstrated increased morbidity among newborns associated with certain drugs administered to the mother shortly before delivery and transferred across the placenta to the fetus.

Originally, she obtained her findings by sending blood samples to an outside laboratory for gas chromatography-mass spectrometry analysis. Dr. Kuhnert, however, felt that her research would proceed more effectively if she could carry out the analyses herself, so she applied to the CLINSPEC program.

"When you're dealing with human subjects, especially newborns, the samples that are drawn are very small and the levels of the drug in the sample are low," explains Dr. Kuhnert.

"Therefore, gas chromatography-mass spectrometry is necessary for accurately analyzing the samples. Since I didn't have access to such facilities and didn't fully understand the instrumentation, I was sending out my samples to be analyzed.

"After three separate visits to the CLINSPEC laboratory in Charleston, I acquired knowledge of the equipment so I could analyze my own samples."

The results of her research have provided clinicians with new basic pharmacological data about these often prescribed pain relievers so the drugs can be used more appropriately in the future.

Dr. Daniel Knapp, who directs the CLINSPEC laboratory in Charleston, says

TRAINING TIPS

The NIH Training Calendar is now being distributed desk to desk.

The new booklet lists courses offered from October 1980 to September 1981.

For further information, employees should contact their B/I/D Personnel or Administrative Office. □

that mass spectrometry is a technology that is still largely untapped in the field of biomedical research.

Mass spectrometry is a method for separating electrically charged particles according to their respective masses, segregating the different isotopes of elements in complex mixtures.

It is a technology ideally suited for many types of clinical research. Radioactive isotopes, which have inherent risks for both patients and researchers, are not used. Mass spectrometry is capable of analyzing drugs and metabolites in tissues or fluids.

Even with its proven analytical capabilities, the full potential of mass spectrometry has never really been implemented in research on human disorders. The major reason; only a relative handful of researchers can prepare biological specimens for analysis.

"The program provides access, training, and assistance pertaining to the use of gas chromatography-mass spectrometry in clinical investigations," Dr. Knapp explains. "The CLINSPEC process involves proposal submission, informal review, project approval, consultation with the investigator, previsit preparation, carrying out the approved project on site in Charleston, and a postvisit consultation.

"In addition to the use of the facilities here, the CLINSPEC program pays for travel to and expenses at the medical university for the duration of the research project."

Dr. Knapp explains that another goal of the CLINSPEC program is to assist GCRC program directors and investigators in establishing facilities at their own institutions. He noted that recently Dr. Kuhnert helped establish a facility at Cleveland Metropolitan Hospital.

Clinical investigators who would like more information on CLINSPEC or who would like to submit a proposal to use the CLINSPEC laboratory should contact, in writing: Dr. Daniel Knapp, Department of Pharmacology, Medical University of South Carolina, Charleston, S.C. 29403. □

Gutierrez Disappearance Being Investigated by Police



Zita Gutierrez is missing.

As the *NIH Record* goes to press, the Montgomery County Police are investigating the disappearance of NIH employee Zita Cecilia Gutierrez, 24, missing since Friday, Aug. 22. Ms. Gutierrez is a student at Montgomery College, and worked at NIH as a travel clerk at the time of her disappearance.

She is an Ecuadorian who speaks fluent English and is described as 5 feet tall, weighing 110 pounds, with black hair and brown eyes.

On Aug. 22, she left her job at NIH and went to work as a cocktail waitress at the Kenwood Country Club on River Road in Bethesda.

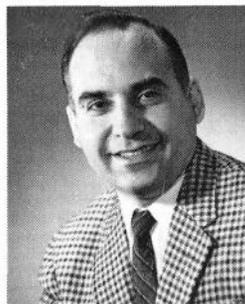
She was last seen leaving the club in her car, a blue 1971 Dodge Challenger with a black vinyl top. Her car was later found parked at NIH, approximately 500 yards from where she was to meet a friend.

If anyone has any information, contact the Montgomery County Police Department's Crimes Against Persons Division, 840-2340, and refer to case RD #W 039 422. All contacts will be kept confidential. □



Dr. Knapp hopes to encourage the application of gas chromatography-mass spectrometry to the clinical research process.

35 Commissioned Officers Receive PHS Awards



Mr. Musachio



Mr. Ostrowski



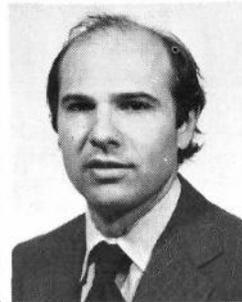
Dr. Cameron



Dr. Howley



Dr. Milman



Dr. Minna

OFFICE OF THE DIRECTOR

Michael B. Musachio (retired), chief, Radiation Safety Branch—"For extraordinary leadership in radiation safety and dedicated commitment to the mission of the National Institutes of Health."

Robert Joseph Ostrowski, Health Services officer, Division of Safety—"For outstanding achievements in guiding the development of safety training programs and in promoting, within the national biomedical research community, the principles of laboratory safety."

Dr. Harry A. Milman, senior toxicologist, Carcinogenesis Testing Program, Toxicology Branch—"In recognition of contributions made to the establishment of an effective framework for carcinogenesis testing and to increased knowledge of the carcinogenicity of chemical compounds."

Dr. John D. Minna, chief, NCI-VA Medical Oncology Branch—"For service as one of the pioneers in the treatment advances of cell carcinoma of the lung."

Dr. John J. Mulvihill, head, Clinical Genetics Section, Clinical Epidemiology Branch—"For national leadership in the genetics of human cancer."

Dr. Phillip A. Pizzo, senior investigator, Pediatric Oncology Branch—"For important contributions to the study of infectious complications of malignancy; he elegantly designed and meticulously interpreted studies of the proper use of antibiotics in the cancer patient which provided a rational basis for this important aspect of supportive care."

Dr. David G. Poplack, senior investigator, Pediatric Oncology Branch—"For his role in identifying enzymatic correlates of the immunological subclasses of leukemic cells, and for having furthered the development of a unique primate model for the study of central nervous system pharmacokinetics."

Dr. Richard S. Ungerleider, special assistant for Pediatric Oncology, Cancer Therapy Evaluation Program, Clinical Investigations Branch—"For providing expertise in pediatric clinical trials and for helping to coordinate the scientific work of the cooperative groups involved in pediatric cancer research with resourcefulness and efficiency."

Dr. Berton Zbar, medical director, Cellular Immunity Section, Laboratory of Immunobiology—"For experimental findings which are being applied to clinical trials of immunotherapy for humans with melanoma, head, neck and lung cancer."

NATIONAL CANCER INSTITUTE

Dr. Thomas P. Cameron, assistant coordinator for Environmental Cancer, Division of Cancer Cause and Prevention—"In recognition of contributions made to the establishment of an effective framework for carcinogenesis testing and to increased knowledge of the carcinogenicity of chemical compounds."

Dr. Peter M. Howley, chief, Viral Oncology and Molecular Pathology Section, Laboratory of Pathology—"For outstanding research contributions to the molecular biology of DNA tumor viruses, as well as superior performance in diagnostic pathology for the Clinical Center, NIH."

NATIONAL EYE INSTITUTE

Dr. Frederick L. Ferris III, project officer, Office of Biometry and Epidemiology—"For providing medical and statistical leadership in a national program of randomized clinical trials for treating diabetic retinopathy that has significantly improved diabetic care."

(Continued on Page 5)



Dr. Mulvihill



Dr. Pizzo



Dr. Poplack



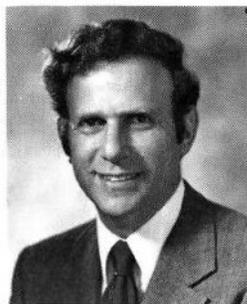
Dr. Ungerleider



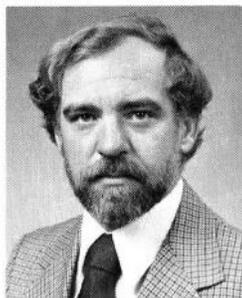
Dr. Zbar



Dr. Ferris



Dr. Adelstein



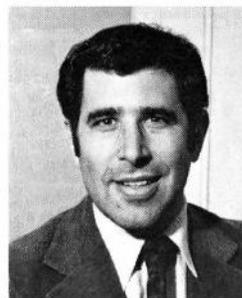
Dr. McGee



Dr. Nienhuis



Dr. Chesebro



Dr. Gallin



Dr. Kaliner

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

Dr. Robert S. Adelstein, head, Section on Molecular Cardiology, Cardiology Branch—"For excellent research contributions in the area of contractile proteins, leadership in purifying myosin from cloned fibroblasts, and excellence as a teacher and leader in biomedical research."

Dr. Daniel L. McGee, statistician for the Geographical Diseases Section, Epidemiology Branch, Division of Heart and Vascular Diseases—"For providing outstanding statistical services in the design and analysis of long-term epidemiologic studies of heart disease in diverse populations."

Dr. Arthur W. Nienhuis, chief, Clinical Hematology Branch—"For major contributions to basic and clinical research, innovative scientific accomplishments and commendable performance as a physician."

Dr. Bruce W. Chesebro, chief, Laboratory of Persistent Viral Diseases—"For contributions to understanding the role of immunogenetics in cancer and chronic viral diseases, and developing an outstanding research program on immunobiology of persistent viruses."

Dr. John I. Gallin, head, Bacterial Diseases Section, Laboratory of Clinical Investigation—"For insightful studies of neutrophil function at the basic and clinical levels."

Dr. Michael A. Kaliner, head of Allergic Diseases Section and director of Asthma and Allergic Diseases Center, Laboratory of Clinical Investigation—"For elucidating mechanisms of allergic and asthmatic disease, particularly neurophysiologic and mucogenic influences in asthma and the nonhistamine mediators released from mast cells."

Dr. Carl E. Miller, Enteric Diseases Program officer—"For exceptional skill in managing NIAID's Enteric Disease Program and in coordinating the research and administrative activities of the Cholera Research Laboratory, Dacca, Bangladesh."

Dr. Eric A. Ottesen, senior investigator in Section on Host-Parasite Relations, Laboratory of Parasitic Diseases—"For spearheading studies on the clinical immunology of filariasis and schistosomiasis, including identification of the specific immune factors involved in chronic and acute infections."

NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES

Dr. Reed B. Wickner, senior surgeon, Laboratory of Biochemical Pharmacology, Pharmacology Section—"For research on the killer plasmids of *Saccharomyces cerevisiae*."

NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT

Dr. Thorsten A. Fjellstedt, health science administrator, Center for Research for Mothers and Children, Clinical Nutrition and Early Development Branch, Nutrition and Endocrinology Section—"For effective development of research initiatives in nutrition especially for studies of nutritional and immunological properties of human breast milk."

NATIONAL INSTITUTE OF DENTAL RESEARCH

Dr. Richard L. Christiansen, chief, Craniofacial Anomalies Program Branch—"For sustained high level performance in developing and administering a complex research program of excellent quality."

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES

Dr. John A. McLachlan, head, Transplacental Toxicology Work Group, Laboratory of Reproductive and Developmental Toxicology—"For advancing understanding of the transplacental toxicity of environmental chemicals and drugs, especially diethylstilbesterol (DES)."

(Continued on Page 6)



Dr. Miller



Dr. Ottesen



Dr. Wickner



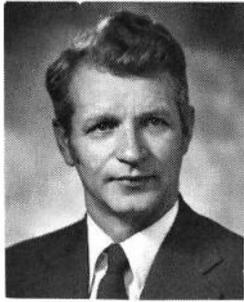
Dr. Fjellstedt



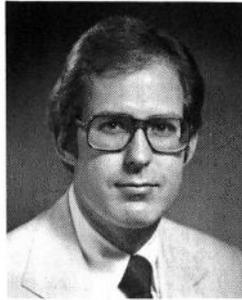
Dr. Christiansen



Dr. McLachlan



Dr. Van Lenten



Dr. Ulvestad



Ms. Bourn



Dr. Elin



Dr. Gerber



Dr. Klein

NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES

Dr. Lee Van Lenten, executive secretary of Cellular and Molecular Basis of Disease Review Committee—"In recognition of his proficiency and dedication in serving as Executive Secretary, Cellular and Molecular Basis of Disease Review Committee, NIGMS."

Dr. Ronald J. Elin, chief of Clinical Chemistry Service and chief of Clinical Pathology Department—"In recognition of his comprehensive and innovative professional leadership; his application of advanced laboratory technology and his support and contribution to the Clinical Center research mission at the NIH."

Elaine G. Offutt, chief, Patient Dietetic Service—"For sustained high quality work performance; for resourcefulness and dedication to the application of sound scientific principles in sustaining services to nine institutes; for ability to initiate new programs with a variety of medical professionals."

NATIONAL INSTITUTE OF NEUROLOGICAL AND COMMUNICATIVE DISORDERS AND STROKE

Dr. Rolf F. Ulvestad, otolaryngologist, Communicative Disorders Program—"In recognition of his sustained record of quality performance, especially as a competent interpreter of the NIH-NINCDS Communicative Disorders Program and for the otolaryngic medical research community."

Dr. Naomi Lynn Gerber, chief, Rehabilitation Department—"In recognition of her significant contributions in providing patient support and research in the field of rehabilitation medicine."

Dr. Thomas H. Shawker, chief of Diagnostic Ultrasound Section, Diagnostic Radiology Department—"In recognition of his significant contributions in ultrasound imaging and research and development of new diagnostic applications for ultrasound."

CLINICAL CENTER

Alberta C. Bourn, assistant chief, Nutrition Department—"In recognition of her high level of performance in providing outstanding professional and leadership services to the Nutrition Department, Clinical Center, NIH."

Dr. Harvey G. Klein, chief of Blood Services Section, Blood Bank Department—"For establishing a model pheresis program for therapeutic removal or exchange of blood components as well as preparation of novel blood products for patient care."

Dr. Thomas M. Tarpley, Jr., executive secretary, Oral Biology and Medicine Study Section—"For his activities in the administration of the review of applications for research and training in dental science and his leading participation in continuing education for dental scientists."

Andrea L. Myer, assistant chief, Medical Record Department—"For outstanding leadership and resourcefulness in administrative management activities and dedication to excellence which have contributed to develop exacting standards among employees and peers."

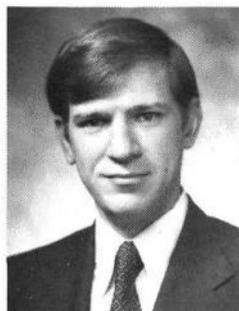
Dr. Ephraim Y. Levin, assistant chief, General Clinical Research Centers Branch, and executive secretary of General Clinical Research Centers committee—"For exemplary service in guiding the initial scientific review system of the General Clinical Research Centers Program, DRR."



Mrs. Myer



Ms. Offutt



Dr. Shawker



Dr. Tarpley



Dr. Levin

NIH LECTURE

(Continued from Page 1)

Using the cleavage sites produced in the DNA by all three enzymes as reference points, Dr. Nathans was able to map the genes of the virus.



Dr. Nathans' contributions to the field of molecular biology have made possible tremendous advances in biological research.

The application of this approach and the discovery of more than 100 restriction enzymes have enabled scientists to map the genes of organisms far more complex than SV40.

Biological Research Advanced

The use of restriction enzymes, has made possible tremendous advances in the study of nucleic acids. These enzymes, which proved to be the critical tools for recombinant DNA technology and nucleic acid sequence analysis, have revolutionized biological research.

Dr. Nathans was awarded the Nobel Prize in Physiology or Medicine in 1978. He shared the prize with Dr. Smith and Dr. Werner Arber, of the University of Basel, Switzerland.

Dr. Nathans also received the Selman Waksman Award in Microbiology and the National Academy of Sciences' U.S. Steel Foundation Award in Molecular Biology. □

CPR Instructor Course Offered by OMS

The Occupational Medical Service is offering a CPR instructor course—a current CPR card is required—which consists of four sessions, on the following dates:

Wednesday, Sept. 24, 6-9 p.m.

Wednesday, Oct. 1, 6-9 p.m.

Saturday, Oct. 4, 9-5 p.m.

Wednesday, Oct. 8, 6-9 p.m.

For further information, call Sue Stewart, CPR Training Office, 496-4111. □

Dr. Walker Heads NINCDS Stroke and Trauma Program

Dr. Michael D. Walker has been named director of the Stroke and Trauma Program, National Institute of Neurological and Communicative Disorders and Stroke.

He will oversee a \$41 million program of extramural grants and contracts supporting research on stroke, cerebrovascular disorders, brain tumors, brain and spinal cord trauma, and regeneration.

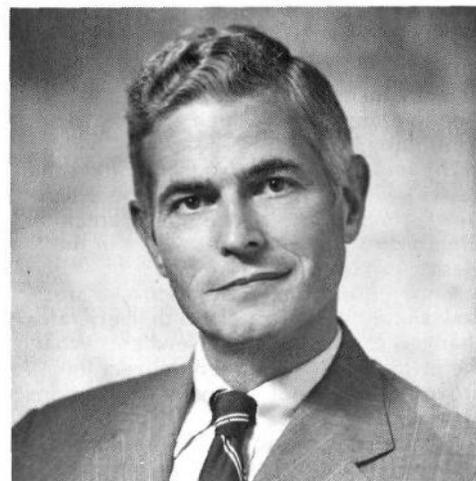
Dr. Walker has served as acting director of the Stroke and Trauma Program since 1979. Prior to that position, he had been an associate director of the Division of Cancer Treatment, National Cancer Institute, since 1973.

He has also worked at NCI's Baltimore Cancer Research Center, where he established the section of neurological surgery. While there, he served in various capacities, and eventually became director.

Dr. Walker received his B.A. degree in psychology from Yale University in 1956 and his M.D. degree from Boston University School of Medicine in 1960.

For a long time, Dr. Walker has had an interest in the diagnosis and treatment of malignant brain tumors.

He has researched the blood-brain barrier, the pharmacodynamics of drug delivery to the brain, and has served as chairman of NCI's Brain Tumor Study Group for the past 10 years. He is also the author of more



Dr. Walker is a member of numerous professional societies, and is a fellow of the Royal Society of Health.

than a hundred scientific publications.

Dr. Walker, who holds an appointment as assistant professor of neurological surgery at Johns Hopkins University School of Medicine, has served on several advisory boards and committees, and received the DHEW Superior Service Honor Award in 1974. □



Ralph Van Wey has been appointed chief of National Heart, Lung, and Blood Institute's Information Systems Branch. The branch collects, stores, retrieves, and reports the scientific, financial, and programmatic data needed by various NHLBI components. A native of Ohio, Mr. Van Wey earned his B.S. degree in mathematics at Salem College, W. Va., and his M.S. degree in industrial and systems engineering at Ohio University. He began his career at NIH in 1974 as a management analysis officer and stayed in that field until his present appointment.

Orioles/Boston Red Sox Tickets on Sale at R&W

R&W's last trip of the year to Memorial Stadium to see the Orioles vs. Boston Red Sox is Wednesday, Sept. 24.

Buses will leave from Bldg. 31C at 5:30 p.m. The \$10 fee includes reserved seats

FIC Research Fellow

Dr. Franco Carmassi, an assistant professor at the second medical clinic of the University of Pisa, Italy, arrived Aug. 11, to begin a 1-year international research fellowship at the Laboratory of Biochemistry, NIDR, under the preceptorship of Dr. Soo Il Chung.

The training he will receive will be directed toward obtaining an understanding of the regulation of the cellular synthesis and extracellular levels of blood coagulation factor XIII. □

R&W Plans Shopping Spree To Reading, Pa. Outlets on Oct. 18

On Saturday, Oct. 18, R&W is planning a trip to the shopping outlets in Reading, Pa. The \$25 cost per person includes round trip bus and an "all you can eat" buffet.

Some outlets include Vanity Fair, Danskin, The Coat Rack, Black and Decker power tools, and many more.

Buses will leave from Bldg. 31C at 8 a.m. and return to NIH at 8 p.m.

Sign up at the R&W Activities Desk, Bldg. 31, Rm. 1A-18. □

and bus transportation.

The number of available seats are limited so sign up now at the R&W Activities Desk, Bldg. 31, Rm. 1A-18. □

Cesarean Delivery Increase Will Be Subject Of Next Consensus Conference

During the 1970's, childbirth by cesarean delivery increased about threefold in the United States, trend which appears to be continuing.

The implications of this trend, and other issues will be the subject of a Consensus Development Conference on Cesarean Childbirth to be held Sept. 22-24 in the Masur Auditorium.

Among questions to be discussed are: how and why have cesarean delivery rates changed in the U.S. and elsewhere? What is the evidence that cesarean delivery improves outcomes of various complications of pregnancy?

Also, what conclusions can be reached at present regarding situations in which cesarean delivery generally produces a better outcome of pregnancy; and finally, what are the best ways to conduct cesarean delivery so that its medical and psychological risks are minimized?

Experts in pediatrics, obstetrics, family practice, psychology, epidemiology, childbirth education, ethics, law, and economics have prepared a draft report and recommendations that will be presented.

Views expressed by conference participants and the audience will be considered, and a final report and consensus statement will be published.

The conference is sponsored by the National Institute of Child Health and Human Development in conjunction with the National Center for Health Care Technology, and assisted by the Office for Medical Applications of Research.

Sessions begin at 8:45 a.m., Monday, Sept. 22. A press conference is scheduled for 11:15 a.m., Wednesday, Sept. 24.

For more information, write to Pamela Driscoll or Joan Muller, Office of Research Reporting, NICHD, Bldg. 31, Rm. 2A-32, Bethesda, Md. 20205, or call 496-5133. □

Brochure Describes STEP Training Activities To Assist Extramural Personnel

The Staff Training in Extramural Programs Committee has issued a brochure describing its series of training activities—seven modules and the STEP Forum discussion series.

The program is planned to broaden the interests and experience of those in extramural programs and to introduce new extramural personnel to the programming, review, and management of NIH extramural programs.

Module 1, Introduction to the Extramural Programs, provides a broad view of grant and contract activities for personnel new to extramural programs. It will be given twice, Dec. 11-12, 1980, and again on May 7-8, 1981.

A 1-day session on Health-Related Research Programs of Other Federal Agencies, particularly the National Science Foundation, the Veterans Administration, and the Environmental Protection Agency, will be held on Oct. 22. Emphasis will be on comparing new and well established systems that support health-related research.

The module on Information Systems for Extramural Staff will be given again this year on Jan. 22-23, 1981. It will introduce and show how to use information systems and data bases available at NIH.

Center Programs: Issues and Problems will be held on Feb. 18-21. This new module will examine the strengths and weaknesses of this large grant instrument to accomplish extramural program goals.

Improving Interactions Between the NIH and Grantee Institutions, Mar. 25, will explore opportunities and responsibilities of NIH staff for positive communications with representatives of grantee institutions.

The popular module, Politics of Health: 1981, will be presented again this year on Apr. 9-10. Prominent government leaders will discuss current health issues of political relevance.

Program Administration and Grants Management: A Team Concept, Apr. 22-23, is another module newly developed this year. It will examine techniques which promote mutually advantageous interactions between program administration and grants managers.

The STEP Forum is a discussion series held at monthly intervals in the Westwood Bldg. These 2-hour seminar-like sessions are concerned with a wide range of topics of current interest to personnel in extramural activities and are a very popular STEP activity.

Dr. William Raub, NIH Associate Director for Extramural Research and Training, who directs the program, notes in his foreword to the STEP brochure, "As constraints and pressures on our extramural activities increase along with program opportunities, the need for a perceptive and sophisticated staff becomes even greater."

STEP is developed and managed by the STEP committee which is comprised of 20 extramural staff appointed to 3-year terms by Dr. Raub and 4 ex officio members.

This year the committee is chaired by Dr. Dennis Cain, chief, Grants Review Branch, NCI, and Dr. David Badman, Hematology Program director, NIAMDD, is the vice chairman.

The brochure detailing this year's STEP program is available in personnel offices or from 496-1493. □

Dr. Lynn Assumes New NIDR Duties

Dr. Kenneth C. Lynn has assumed the duties of acting scientific and health reports officer of the National Institute of Dental Research in addition to his duties as the Institute dental research data officer.

Dr. Lynn will maintain offices in the Westwood Bldg. and in Bldg. 31, Rm. 2C-34, 496-4261. □



Members of the NCI Cancer Control Grant Review Committee staff recently received a group award. L to r are: Mary Ernst, executive secretary; Diane Wilcox, assistant executive secretary; Drs. Robert Browning and Frank Dukepoo. They were recognized for managing the review of nearly double the usual number of grant applications last year, convening twice as many review meetings. Also, their efforts were performed during physical and organizational relocation of the group.

Dr. Richard M. Krause Heads U.S. Delegation to China

A four-member delegation of U.S. immunologists headed by Dr. Richard M. Krause, Director of the National Institute of Allergy and Infectious Diseases, left Sept. 1 for a 10-day visit with Chinese scientists in Beijing and Shanghai.

The trip was to promote the U.S.-PRC Cooperative Agreement on Science and Technology of medicine and public health.

The primary objective of the delegation was to make direct contact with the strongest and most productive groups in China. Principal topics for discussion were cellular immunity, transplantation biology, immunogenetics, allergy, and immunopharmacology.

Accompanying Dr. Krause were Dr. Thomas J. Kindt, NIAID; Dr. David S. Gordon, Center for Disease Control; and Dr. Joseph Davie, Washington University, St. Louis. □

Sickle Cell Disease Is Featured At Science Writers Seminar

A Science Writers Seminar, The Molecular Basis of Sickle Cell Disease, will be held Thursday, Sept. 25, from 9:30 to 11:30 a.m., at the new Lister Hill Biomedical Communications Center in the Cluster Conference Rm. on the 1st floor.

The moderator is Dr. Alan N. Schechter, NIAMDD. Dr. William A. Eaton, NIAMDD, will speak on the Molecular Basis of Hemoglobin Aggregation; Dr. Schechter will talk on the Molecular Basis of Chemical Approaches to Therapy; and Dr. Arthur W. Nienhuis, NHLBI, will discuss Genetic Approaches to Sickle Cell Therapy.

For more information, call 496-5787. □

Aging, Cancer Research Frontiers Conference Sept. 21-26 To Include 5 Nobelists

Five Nobel Laureates and a number of other outstanding scientists will participate in an international symposium on Research Frontiers in Aging and Cancer, to be held Sept. 21-26, at the Shoreham Americana Hotel in Washington, D.C.

Bankers Life and Casualty of Chicago is collaborating with the National Cancer Institute, the National Institute on Aging, and the Select Committee on Aging, U.S. House of Representatives in sponsoring the meeting.

Current research on the relationship between cancer and aging at the cellular level will be presented, with the aim of increasing future understanding of both processes.

Over the course of the 6-day conference, eight scientific sessions will be held, covering such topics as Aging and Cancer as Genetic Phenomena, Cancer as a Failure of Normal Differentiation, and Viruses in

Aging and Cancer. Approximately 40 internationally known scientists will present reports on past research as well as their ideas for future areas of investigation.

Among the speakers and chairmen to be present will be Nobel Laureates Drs. David Baltimore, Daniel Nathans, D. Carleton Gajdusek, James D. Watson, and Francois Jacob. Physicians attending this conference will qualify for 28 hours of AMA CME credit.

Register for Scientific Sessions

The House Select Committee on Aging will hold the summary session on Friday, Sept. 26, in the Caucus Room of the U.S. House of Representatives.

Information on registration for the scientific sessions can be obtained from Louis Carrese, NCI, 496-6445. Registration for the summary session is not required. □

Public Meeting on Dietary Links to Cancer To Be Held Prior to Study

A National Research Council committee of the National Academy of Sciences is beginning a broad study of what is known about various dietary constituents and their possible links to cancer cause or prevention.

A public meeting will be held Thursday, Nov. 6, to hear comments on where the committee might best focus its efforts. The meeting will take place in the National Academy of Sciences auditorium, 2100 C St., N.W., in Washington, D.C., from 10 a.m. to 3 p.m.

Registration Free

Attendees may register at the academy's C Street entrance. Registration is free, and an agenda and other materials will be distributed at that time.

Those who wish to submit material to the committee should send it to Dr. Sushma Palmer, Rm. 353, NAS, 2101 Constitution Ave., N.W., Washington, D.C. 20418. The written material should include references if possible; multiple copies should be provided if distribution at the meeting is desired.

Persons wishing to make oral presentations should submit their comments in writing by Oct. 6. All presenters will be

given a specified amount of time to summarize their views. Time will be provided at the end of the meeting for discussion.

Convened at the request of the National Cancer Institute, the Committee on Diet, Nutrition, and Cancer will assess the state of knowledge on the subject and develop a series of recommendations for future research.

The committee has been asked to examine individual components of the diet—nutrients, food additives, and contaminants—as well as dietary patterns for possible roles in causing or preventing cancer. It will also attempt to assess the effects of changes that may occur during the processing, preparation, storage, and consumption of foods.

Evidence will be sought from a variety of sources, including epidemiological studies, laboratory animal experiments, and *in vitro* tests of the potential mutagenicity of food substances.

An interim report evaluating present knowledge is expected in 2 years, with the final report on research objectives planned for a year later.

The committee is chaired by Dr. Clifford Grobstein, University of California, San Diego. For more information, contact S. Palmer, 389-6906 or K. Bakshi, 389-6084. □

Consensus Conference on CEA Starts Sept. 29

A consensus development conference on CEA: Its Role as a Marker in the Management of Cancer is being held on Sept. 29, to Oct. 1 in the Masur Auditorium.

CEA—carcinoembryonic antigen—ranks as the most widely studied tumor marker. Clinicians use the CEA radioimmunoassay to detect antigen levels in the blood, to help diagnose cancer, and monitor its treatment.

The meeting is being sponsored by the National Cancer Institute, assisted by the

NIH Office for Medical Applications of Research.

The agenda will allow time for audience participation in the discussions. A panel of scientists and practicing physicians will present a statement Wednesday morning, Oct. 1.

Preregistration, though not required, is requested to permit orderly planning. There is no attendance fee.

For further information, contact Yvonne Lewis, 983-0535, or 496-1591. □

Dr. Patricia Straat Joins Grants Associates

Dr. Patricia Ann Straat, former director of research services with Biospherics, Inc., recently joined the Grants Associates Program.

While working at Biospherics in Rockville, she was the program director/principal investigator for many Government and private sector funded contracts, some of which involved work for NASA's Mariner Mars' 71 Mission and Viking's 76 Mission.



Dr. Straat

Dr. Straat received her A.B. degree in 1958 from Oberlin College. She then attended the Johns Hopkins University from 1961 to 1964 as a Public Health Service predoctoral fellow.

Had PHS Fellowship

She received her Ph.D. degree in biochemistry in 1964, after which she did postdoctoral work under a PHS fellowship in the university's department of radiological sciences.

In 1968, she became assistant professor at Johns Hopkins until 1970, when she joined Biospherics.

Dr. Straat, the author of 35 publications, is listed in *American Men and Women of Science*, *The World Who's Who of Women*, *Who's Who in American Women*, *Who's Who in the East*, and *Outstanding Young Women of America* (1969). □



Marjorie Early retired on Aug. 27 as NCI's committee management officer and recording secretary to the National Cancer Advisory Board. She was responsible for 26 outside committees that advise the NCI Director on grant and program review, and was recognized for her work as NCAB's recording secretary. In the 1960's Mrs. Early began working at NCI in the Office of Extramural Activities. Later, she became secretary to the director of the Division of Research Facilities and Resources, before moving to her current positions.

MRFIT Program Suggests Risk Factor Intervention Can Reduce Deaths From Heart Disease

Multiple Risk Factor Intervention Trial



The symbol key in the lower left corner shows the various locations of the MRFIT coordinating centers throughout the United States.

A unique clinical trial designed to change the eating habits of more than 6,000 middle-aged men at high risk for heart disease was discussed during a recent meeting of the NIH Nutrition Coordinating Committee.

Now in its seventh year, MRFIT (Mister Fit), or Multiple Risk Factor Intervention Trial, was begun by the National Heart, Lung, and Blood Institute to determine whether intervention on the three major risk factors—elevated blood cholesterol, elevated blood pressure, and cigarette smoking—could reduce death from coronary heart disease (CHD).

Deaths from cardiovascular diseases (CVD) in 1967 were the underlying cause of approximately 54 percent of all deaths in the U.S.

CVD occurs more frequently when certain characteristics known as "risk factors" are present.

In 1970, a task force on arteriosclerosis was convened by the NHLBI to develop a long-range plan to combat the disease.

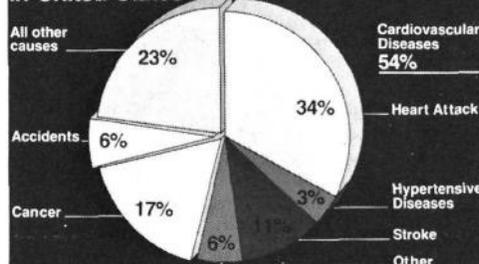
A diet high in certain types of fats contributes to elevated cholesterol levels. Men between the ages of 35 to 64 are most often at increased risk and the victims of CHD, and thus were selected as participants in the study.

Nutritionists Marilyn Farrand and Jeanne Tillotson of the Preventive Cardiology Branch, NHLBI, explained recruitment and screening procedures as well as techniques used to assist participants in changing their diets, and in assessing adherence to their new food pattern.

Twenty clinical centers throughout the country participated in the project, which is funded by NHLBI and coordinated by a center in Minneapolis.

Recruitment of volunteers began in 1973.

Leading Causes of Death in United States



The diagram above shows the percentages of deaths attributable to various causes.

Acceptance was based on the presence of one or more risk factors giving a volunteer a score high enough for entry into the study.

In addition, each man had to be free of CHD and sufficiently motivated to participate in a 6-year program.

After physical and psychological testing was completed, each man was randomly assigned to either the special intervention (SI) or usual care (UC) group.

Each center has about 600 men, half of whom are allocated to each group. The typical MRFIT participant at entry was 47 years old and weighed 189 lbs.

More than half were 20 percent above the ideal weight. At the time of enrollment, about 60 percent were smokers.

One of the most important aspects of the program, Ms. Farrand noted, is that individual attention is given to tailor the program to each participant's needs.

Lifestyle, home and work environment, and personal relationships are considered, and family members—particularly wives—are encouraged to become actively involved in the program, especially in the selection and preparation of foods.

The primary scientific goal of the nutri-

tion program is to lower blood cholesterol, and the objectives are fourfold: to provide understanding that changing food patterns is vital; to motivate the participants to adopt changes in food habits; to provide information needed for dietary change; and to help them apply this knowledge to daily living.

The MRFIT food pattern is designed to provide less than 35 percent of calories from fat, 8 percent from saturated fatty acids and 10 percent from polyunsaturated fats. Cholesterol is less than 250 mg/day.

A typical food pattern is: 6 oz. of lean meat, fish or poultry; 2 servings of nonfat or low-fat dairy products; 2-4 tablespoons polyunsaturated margarine or oils; 4 or more servings of bread and cereals; 4 or more servings of fruit and vegetables.

Frequent use of meatless meals; two or less egg yolks/week; limited use of alcohol and foods high in calories and low in essential nutrients; and, limited use of high sodium foods.

Individual and group counseling are the major approaches used to reduce risk factors, with an emphasis on establishing a low-fat, low-cholesterol diet.

Nutritionists work closely with family members, and with other professionals in the risk factor reduction program. A "key" person is assigned to each MRFIT participant to provide individual attention and followup.

High blood pressure is treated with appropriate drugs and counseling is used to encourage participants to stop smoking.

Approximately two-thirds of MRFIT participants were smokers, and about 60 percent had quit smoking after 2 years. Smokers were found to ingest more calories, more alcohol, cholesterol, and saturated fats than nonsmokers at the start of the study.

Modifying one's diet requires active participation and continual evaluation. Self-assessment of dietary adherence is carried out by scoring fat-containing foods such as meat and eggs according to their content of saturated or polyunsaturated fat, and dietary cholesterol.

The MRFIT scoring system or "food record rating" has been published in the *Journal of the American Dietetic Association* in April 1980.

A food rating chart was developed and foods are categorized according to a point system. Three-day records are kept by participants at 4-month intervals and the total scores are summarized and divided by three to obtain the average food rating score.

Using the MRFIT food score technique, each participant can assess his fat intake, compare the fat content in various types of foods, and make substitutions.

This type of teaching system serves to show the participant where his problem is in his own diet. It has also served to show how well the clinic's program was operating.

In coordination with a nutrition coun-
(See MRFIT, Page 11)

MRFIT

(Continued from Page 10)

selor, the MRFIT participant can use this information to keep on track and to teach himself new lifelong eating habits.

The food record rating has served to involve the participant in the change process, has reinforced those changes, has helped to establish an individual eating pattern and has helped the participant to recognize the extent of dietary change accomplished.

Various educational aids and techniques have been employed to teach the participants about food in order to lower their risk factor status.

Six food demonstration films were produced to emphasize six problem areas. For instance, one film shows ways to choose meat at the market and to prepare it to lower saturated fat intake.

MRFIT also relies on computerized calculation of 24-hour recall dietary data collected annually on all participants as a standardized measure of group dietary patterns.

Although MRFIT has 2 more years to go before final data analysis, preliminary findings suggest that intervention does reduce risk factors.

A decrease in both cholesterol levels and blood pressure for the group as a whole has been noted and fewer participants smoke now than at the beginning of the study. The actual significance of these findings, however, awaits completion of MRFIT. □

Two Audiovisual Workshops For Health Professionals To Be Held at Lister Hill Center

The National Library of Medicine's National Medical Audiovisual Center will hold two workshops for health professionals at the Lister Hill Center.

The first, scheduled for Oct. 27-29, is entitled Developing and Evaluating Audiovisual Instructional Materials.

Participants will work in teams to create instructional units consisting of photo stories in the health sciences. The scripts will be peer reviewed, tried out, and evaluated for later production.

The second workshop, Designing Simulation Activities in the Health Sciences, will be held Dec. 3-5. In this workshop, participants will simulate learning experiences which resemble actual life situations.

No registration fee is required.

For additional information or an application, contact: National Medical Audiovisual Center; Attn: Educational Training and Consultation Branch, Bldg. 38A, Rm. B1N30G; 496-6280. □

Navy-NIH Softball Benefit Game Sept. 28

The 5th Annual Patient Emergency Fund Softball Game will be held on Sunday, Sept. 28, at 1:30 p.m., at the Bethesda Naval Medical Center softball field. The NIH Gashouse Gang will take on the Navy's Bad News Blades in "The Battle of Rockville Pike."

Many door prizes will be given out so come on Sunday and join the fun! □

Arthritis and Rheumatism Treatment Status Will Be Examined Sept. 24-26

The first major conference on the epidemiology of arthritis and the rheumatic diseases since 1966 will be held by the National Institute of Arthritis, Metabolism, and Digestive Diseases on Sept. 24-26, in Bldg. 31, Conf. Rm. 6.

Dr. Leon Gordis, professor and chairman of the department of epidemiology at the Johns Hopkins University, and Dr. Warren Winkelstein, dean and professor of epidemiology, University of California, Berkeley are cochairing the meeting.

Participants will include 50 rheumatologists and epidemiologists reviewing the current state of knowledge and hoping to identify research strategies for epidemiological studies in arthritis and related disorders.

On the first day of the conference, clinical investigators and epidemiologists will address each of the major rheumatic disorders. A discussion will follow their presentations.

The final session on Friday, Sept. 26, will include two panels examining priorities in

research opportunities and other critical issues related to epidemiologic studies of the rheumatic diseases.

Active researchers in rheumatology, those engaged in rheumatic diseases epidemiologic investigations, and representatives from major epidemiology and preventive medicine departments in schools of medicine and public health have been invited. Others are welcome as space permits.

An estimated 31 million people in the United States suffer from arthritis, or one out of every seven Americans. In our Nation today, arthritis is generally considered to be the most widespread of the chronic illnesses.

Conference proceedings and an annotated bibliography prepared in conjunction with the conference will be published in 1981.

For registration and further information, contact Reva Lawrence, NIAMDD, 496-7495. □

VISITING SCIENTIST PROGRAM PARTICIPANTS

Reported by Fogarty International Center

8/20—**Dr. A. Joseph Van Renswoude**, Netherlands, Laboratory of Theoretical Biology. Sponsor: Dr. Robert Blumenthal, NCI, Bg. 10, Rm. 4B52.

8/22—**Dr. Masa-Aki Hattori**, Japan, Endocrinology and Reproduction Research Branch. Sponsor: Dr. Maria Dufau, NICHD, Bg. 10, Rm. 12N216.

8/22—**Dr. Louis Mercier**, France, Laboratory of Chemistry. Sponsor: Dr. David F. Johnson, NIAMDD, Bg. 4, Rm. 141.

8/22—**Dr. Madduri Ramanadham**, India, Laboratory of Biochemistry and Metabolism. Sponsor: Dr. Milton Kern, NIAMDD, Bg. 10, Rm. 9B11.

8/24—**Dr. Anita Bernabe Chu**, Philippines, Infectious Diseases Branch. Sponsor: Dr. David Madden, NINCCS, Bg. 36, Rm. 5C22.

8/24—**Dr. K. Arne Lundblad**, Sweden, Laboratory of Pathology. Sponsor: Dr. David Zopf, NCI, Bg. 10, Rm. 2A23.

8/25—**Dr. Yasumasa Goh**, Japan, Laboratory of Biophysics. Sponsor: Dr. Daniel Alkon,

NINCCS, Marine Biology Lab., Woods Hole, Mass.

8/26—**Dr. Ashok V. Bhatia**, India, Laboratory of Environmental Chemistry. Sponsor: Dr. Richard H. Cox, NIEHS, Research Triangle Park, N.C.

8/26—**Dr. Ionel Rosenthal**, Israel, Laboratory of Pathophysiology. Sponsor: Dr. Peter Riesz, NCI, Bg. 10, Rm. B1B50.

8/28—**Dr. Marc DeRyck**, Belgium, Neurotoxicology Section. Sponsor: Dr. Ellen Silbergeld, NINCCS, Bg. 36, Rm. 4A05.

8/29—**Dr. Eva Csordas-Toth**, Hungary, Laboratory of Biochemical Pharmacology. Sponsor: Dr. Anthony Furnao, NIAMDD, Bg. 4, Rm. 104.

8/29—**Dr. Ann-Christin Ericson**, Sweden, Laboratory of Kidney and Electrolyte Metabolism. Sponsor: Dr. Kenneth R. Spring, NHLBI, Bg. 10, Rm. 6N310.

8/29—**Dr. Yitzhak Koh**, Israel, Laboratory of Chemical Genetics. Sponsor: Dr. Alan Peterkofsky, NCI, Bg. 36, Rm. 4C09.

Final Report on Animal Tests of Reserpine Will Be Available

The National Toxicology Program will announce in the Sept. 19 *Federal Register* the availability of a final report on animal tests of the cancer-causing potential of reserpine.

A preliminary report on the study, released in May 1979, indicated that the drug can cause cancer in animals. Widespread attention has been paid to the finding because reserpine is a medication used for the control of high blood pressure.

The final report confirms the earlier findings. The National Cancer Institute and

the National Heart, Lung, and Blood Institute, however, have advised patients who are taking reserpine for hypertension to seek advice from their physicians regarding alternatives to reserpine before discontinuing its use.

Other bioassay reports to be released in late September will indicate no evidence of carcinogenicity from tests of fluometuron, a herbicide, and phenol, benzoin, 4,4'-oxydianiline, and 2,6, toluene diamine, widely used industrial chemicals. □

Medicine for the Layman Series To Begin Sept. 23

Biofeedback and interferon, two relatively new discoveries in health and medicine, will highlight this year's Medicine for the Layman lecture series which will begin on Sept. 23.

The free lectures will be held on Tuesdays at 8 p.m. in the Masur Auditorium. The series will feature nine NIH physicians speaking on a variety of health topics.

Previous Talks on TV

Several of last year's Medicine for the Layman presentations are now being shown on cable television, mostly on the west coast. The talks from previous years were recorded on videotape, edited, and are now being offered to cable and commercial stations around the country. The response to them has been enthusiastic and the project is being expanded.

In a separate project, over a dozen of the edited videotapes are being offered to educators, health organizations, high school and college science teachers, and the general public. They can be obtained on

a free-lend basis or can be purchased. For further information about them, call the Clinical Center Information Office, 496-2563.

This year's lecture topics were selected as a result of suggestions submitted from last year's audiences. The format of the series will remain the same as in previous years. Each lecture will be complemented by a slide presentation or film and colorful graphics done by talented local artists.

After each lecture, members of the audience will again have an opportunity to ask a speaker questions.

Dr. Donald Tower, Director of NINCDS, will start the series with a lecture on Stroke. He will discuss its causes and effects and what can be done for the victim. He will also explain new diagnostic techniques that use space age technology to view a living brain.

On Sept. 30, Dr. James Balow, chief of the Clinical Nephrology Service, NIAMDD, will speak on Kidney Disease. He will explore normal kidney functions and abnormalities

that occur in kidney disorders. He will also discuss treatments for urinary tract infections.

Other lectures include:

Oct. 7	Influenza: Virus and Disease	Dr. Brian Murphy
Oct. 14	Biological Rhythms in Health and Disease	Dr. Thomas Wehr
Oct. 21	Interferon	Dr. Arthur S. Levine
Oct. 28	Cholesterol and Heart Disease	Dr. Bryan Brewer
Nov. 4	Election Day	No Lecture
Nov. 11	Veterans Day	No Lecture
Nov. 18	Diabetes	Dr. Phillip Gordon
Nov. 25	Conception and Contraception	Dr. Griff T. Ross
Dec. 2	Biofeedback: Therapeutic Self-Control □	Dr. Lynn H. Gerber

DNA Symposium Will Mark NIAMDD's 30th Anniversary

To commemorate its 30th anniversary, the National Institute of Arthritis, Metabolism, and Digestive Diseases is sponsoring a special symposium, DNA, the Cell Nucleus, and Genetic Disease, in Masur Auditorium, on Wednesday, Oct. 15, from 9 a.m. to 5 p.m.

30-Year Research Discussed

The symposium, which is open to the public, will focus on the results of three decades of research on genetic mechanisms and diseases.

The cochairmen for the symposium are Dr. Joseph E. Rall, NIAMDD Intramural Program director, and Nobel Laureate Dr. Christian B. Anfinsen, NIAMDD. They will moderate presentations by a panel of eight outstanding researchers, all of whom are presently or were formerly on the NIAMDD intramural staff.

For further information, call Betsy Singer, 496-3583. □

NINCDS Whets Appetites of Externs For Research in Neurology



Dr. Paul L. Kornblith (l), chief of the NINCDS Surgical Neurology Branch, guides medical students from Provident Hospital through neurosurgical facilities at the Clinical Center as part of a 2-week tour sponsored by the Institute. Students were assigned to laboratories, attended neurological grand rounds, observed surgical procedures, and assisted at the outpatient clinic.

Six medical students from Meharry College of Medicine in Nashville, Tenn., have observed and participated this summer in the National Institute of Neurological and Communicative Disorders and Stroke's research program.

The students—Leslie Griffin, Arlene Wilson, Ronald Bailey, George Boggs, Jr., John Stroy, and Ramon Nichols—are partic-

pants in the summer extern program of Provident Hospital, a Black community hospital serving the Baltimore area.

The hospital began the extern program 6 years ago to provide students with their first patient contact.

Last year, NINCDS Director Dr. Donald B. Tower began discussions which led to bringing the externs to NIH. He hopes the

introduction to NINCDS research will "whet the externs' appetites for research in neurology."

The students agreed that the experience was valuable, and all were eager for more.

"Two weeks were not enough," said Ronald Bailey, who worked in Dr. Giovanni Di Chiro's Laboratory of Neuroradiology. "I felt just about ready to start something when it was time to leave." Mr. Bailey hopes to return to NIH next year for a senior elective rotation in radiology.

Attended Grand Rounds

In addition to their experiences in assigned labs, the externs attended neurological grand rounds, observed surgical procedures, visited other NINCDS labs, and assisted in the outpatient clinic.

This schedule gave them the opportunity to observe patient disorders and research procedures which they will not see regularly when they start clinical practice.

"We hope this experience will be the beginning of a mutually profitable effort," said Dr. Tower. □