

the



Record

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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NATIONAL INSTITUTES OF HEALTH

NCI and Smithsonian Sign Current Cancer Research Data Pact

Comprehensive descriptions of current cancer research projects throughout the world will be made available through an interagency agreement between the National Cancer Institute and the Smithsonian Institution.

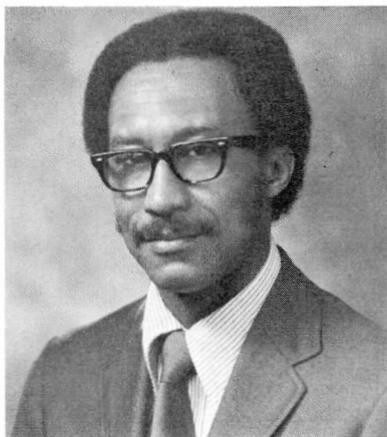
The Current Cancer Research Project Analysis Center is headed by Dr. Willis P. Foster of the Smithsonian Science Information Exchange.

Reports Research Progress

SSIE assists in planning and management of research in all fields of science by providing information about research progress.

Under a contract with NCI's International Cancer Research Data Bank Program, CCRESPEC will prepare descriptions of ongoing research and process the information for computerized retrieval through the ICRDB's Cancer Information On-Line system.

Established in late 1974, CAN-CERLINE gives scientists direct access to information through several kinds of typewriter terminals (See *CURRENT DATA*, Page 4)



Dr. Rudolph E. Jackson, NHLI, has accepted a post in the Institute's Molecular Hematology Branch. Dr. Jackson has been chief of NHLI's Sickle Cell Disease Branch since 1972; he was also coordinator of the Sickle Cell Disease Program. During his tenure the budget for sickle cell disease research in the Institute increased from \$10 million to \$16 million.

CC Blood Bank Appeals for Volunteers! Importance of Donations Is Explained

Because the number of active NIH blood donors is at an all-time low, an appeal for more volunteers has been issued by Dr. Harvey Klein, Clinical Center Blood Bank Service Section.

Dr. Klein, who is acting chief of that section, explained that over 5,000 units of blood were donated for CC patients last year by employees, but only slightly more than 2,000 employees participated.

That meant a number of them donated several times during the year; however, the amount still fell short of meeting all the needs of CC patients. The remainder of the blood was obtained from the American Red Cross and other voluntary sources.

There is no substitute for human blood. Blood bank studies have shown that volunteer blood is the safest for use in transfusions; it carries less risk of hepatitis and other infections than purchased blood, Dr. Klein stated.

NIH employees are currently covered by a "blood assurance" program—blood needed for employees and members of their immediate families is replaced by NIH without charge whether or not the employee is an NIH donor.

However, without additional NIH donors, this program may have to be curtailed to cover only donors and those who volunteer to donate but are excluded for medical reasons, explained CC Blood Bank chief Dr. Paul Holland.

"While the blood bank is reluctant to take any step which will put a condition upon eligibility for blood, this may become a practical necessity," he said.

There are now over 12,000 employees at NIH. From this population, the number of eligible donors is estimated at four times the number currently participating.

Employees who wish to volunteer are asked to stop by or call the Blood Bank, Bldg. 10A, Room 1E-33, Ext. 61048.

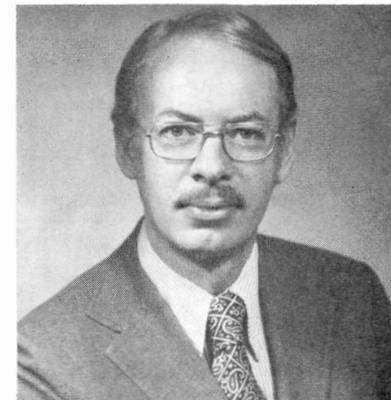
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Dr. David Johns Heads New NCI Laboratory Of Chemistry and Biology



Dr. Johns is a member of domestic and foreign scientific societies including the Canadian Society for Clinical Investigation and the Biochemical Society of England.

Dr. David G. Johns has been appointed chief of the National Cancer Institute's newly established Laboratory of Medicinal Chemistry and Biology in the Division of Cancer Treatment.

The laboratory will conduct an integrated program for the development of anticancer agents. It is also responsible for developing methods for studies of new agents in animals.

More Information Needed

Dr. Johns and his co-workers will study the human pharmacology of the more promising drugs in order to acquire information before the agents can be used in cancer treatment.

The management of a contract-supported program to characterize the action of new anticancer agents is another function of the new laboratory.

Dr. Johns joined NCI in 1970 as head of the Drug Metabolism Section in the Division of Cancer Treatment.

He came here from Yale University where he held several posts in the fields of pharmacology and medicine.

Before going to Yale he was an assistant professor of medicine at McGill University—Dr. Johns had received his B.S., M.D., and Ph.D. in biochemistry from that university.

Dr. Karl A. Piez to Deliver Mider Lecture Tomorrow

Dr. Karl A. Piez will deliver the G. Burroughs Mider Lecture tomorrow night (Wednesday, Sept. 10) at 8:15 in the Masur Auditorium.

Dr. Piez, chief of the Laboratory of Biochemistry, National Institute of Dental Research, will discuss Collagen; Its Chemistry, Structure and Function.

In his lecture he will focus on the composition and unique structure of collagen and its varied roles in development and healing processes.

STEP Begins Biomedical Ethics Series on Sept. 17

The Staff Training-Extramural Program Committee will sponsor a seminar series exploring biomedical ethics.

Tentative topics include: Research and the Terminal Patient; Ethics and the Law of Consent; Research, Innovative Practice, and Therapy; the Role of Risk-Benefit Analysis; Informed Consent, and Biohazards.

First Session Open

The first session will be held in Wilson Hall, Wednesday, Sept. 17, at 3 p.m. Open to anyone interested, it will survey major aspects of the relations between ethics, medicine, and the law.

Persons wishing to participate in the regular sessions may obtain forms at that meeting or from the Office for Protection from Research Risks, Westwood Bldg., Room 303, or by calling Ext. 67005.

Participation in the remaining sessions will be limited to a total of 20 people from NIH, other Federal agencies, nearby universities, and research institutes.

Seminars are scheduled for the first and third Wednesdays of each month from 3 to 5 p.m., Oct. 1 through Dec. 17.

Dr. Frank Rauscher Honored

Dr. Frank J. Rauscher, Jr., Director of the National Cancer Program, National Cancer Institute, was named "scientist of the year" by the ARCS—Achievement Rewards for College Scientists—Foundation.

the NIH Record

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Editor Frances W. Davis
Associate Editor Fay Leviero
Staff Writer Heather Banks

Staff Correspondents

ADA, Judy Fleisher; CC, Thalia Roland; DCRT, Ruth Ketler; DRG, Sue Meadows; DRR, Jerry Gordon; DRS, Cora M. Sult; FIC, George Presson; NCI, Carolann Hooton; NEI, Bonnie Friedman Spellane; NHLI, Bill Sanders; NIAID, Krin Kolsky; NIAMDD, Pat Gorman; NICHD, Daniel Taylor; NIDR, Sue Hannon; NIEHS, Elizabeth Y. James; NIGMS, Wanda Wardell; NIMH, Betty Zubovic; NINCDS, Carolyn Holstein; NLM, Frann Patrick.

Dr. Sidney Udenfriend Receives Sollman Award

The Torrald H. Sollman Award was presented to Dr. Sidney Udenfriend by the American Society for Pharmacology and Experimental Therapeutics at its meeting on Aug. 19 in Davis, Calif.

This award is made every 3 years to "a pharmacologist with a distinguished record in research, professional or teaching . . ."

Dr. Udenfriend, Director of the Roche Institute of Molecular Biology, headed the NIH Alumni Reunion Ad Hoc Committee last spring.

He joined the National Heart Institute in 1950, and from 1958 to

Program Code Booklet Delayed

Publication of the 1975 edition of *Program Codes, Organizational Codes, and Definitions Used in Extramural Programs* has been delayed until after Oct. 1.

Copies will be available from DRG's Statistics and Analysis Branch, Ext. 67281.

1968 headed NHI's Laboratory of Clinical Biochemistry.

Dr. Udenfriend has made important contributions to pharmacology and biochemistry. He has stimulated his colleagues to contribute "to fundamental studies of life processes which have practical applications in biochemistry, endocrinology, and drug therapy."

Dr. Baron Retires; Heads South to Chair Microbiology Department in Med. School

What every well-dressed Texan needs—a Stetson-style hat—was given to Dr. Samuel Baron, National Institute of Allergy and Infectious Diseases, at a recent farewell gathering of friends and co-workers.

Dr. Baron, who headed the Cellular Virology Section, Laboratory of Viral Diseases, retired on Sept. 1, after 20 years in the USPHS Commissioned Corps.

Born and educated in the north, the senior virologist and interferon expert has headed south to become chairman of the department of microbiology, University of Texas Medical School in Galveston.

Dr. Baron has served his entire PHS career at NIH—he joined in 1955—first, with the Division of Biologic Standards where he was chief of the Test Development Section, Laboratory of Viral Products, and then in NIAID which he joined in 1961.

He had long been interested in the mechanisms of recovery from viral infection, and he became especially interested in interferon research in 1960.

At that time, he was spending a year at the National Institute for Medical Research in England as a visiting scientist under Dr. Alick Isaacs, one of the two discoverers of interferon.

Dr. Baron's investigations on the biology of interferon during the developing years of this research field helped establish its importance.

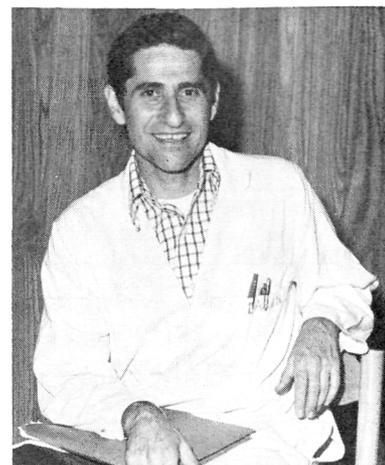
Studied Potential of Interferon

An early example was his successful use of mice infected with encephalomyocarditis virus in order to study the potential of interferon for prevention and therapy of viral disease.

Later, in collaboration with a scientist at New York Medical College, Dr. Baron provided one of the earliest demonstrations of the curative effect of the interferon inducer, poly I. poly C.

His use of this chemical to treat rabbits with a serious herpes simplex infection of the eye eventually served as a foundation for recently completed clinical trials using poly I. poly C for treating the same eye infection in humans. The trials were conducted at New York Medical College and the University of California, San Francisco.

Dr. Baron and his co-workers have also been instrumental in elucidating the way in which interferon fights viral infections. The researchers helped establish the fact that, instead of acting directly against a virus, interferon reacts with cells and stimulates them to produce another material—an anti-



In studying the effect of interferon on the immune system during viral infection, Dr. Baron and his co-workers found that interferon can either enhance or inhibit antibody production.

viral protein—which is the actual antiviral substance.

Dr. Baron also encouraged the free exchange of interferon research results, at first by mimeographing and distributing material from his own laboratory, as well as from other interferon investigators.

NIAID Develops Report

Later, a publication, *Interferon Scientific Memorandum* was developed by NIAID. It contains condensed abstracts of current reports from scientists and goes to several hundred investigators in many parts of the world who are active in interferon research.

Most recently, Dr. Baron has been studying in animals the therapeutic efficacy of interferon and its inducers. He has shown that these substances can inhibit acute and chronic encephalitis, herpes keratitis, and virus-induced tumors in mice and rabbits.

He has also been involved in studies to help explain the relative roles of various immune responses, interferon, fever, and local oxygen deficiencies during certain viral infections in animals.

Receives 3 EEO Awards

He helped show that vaccines which boost the antibody level are the best method of prevention; that during an active infection interferon is an appropriate therapy, and that combined vaccine and interferon therapy might be best.

Dr. Baron, who was active in the EEO program, received one of the three NIAID EEO Awards given for the first time this year. He had also served as an advisor to the NIAID Peer Counseling Group when it was first formed.

Dr. Baron received both his A.B. and M.D. degrees from New York
(See DR. BARON, Page 3)



NIH Director Dr. Donald S. Fredrickson (far right) addressed the 6th Annual Summer Employees Awards Ceremony held on Aug. 22 in the Jack Masur Auditorium. The DCRT group was among the 154 award-winners presented with certificates by Dr. Fredrickson. Raymond J. Jackson, EEO Officer, introduced the employees. James Rose, OA-OD-FIC, and Dr. Fred Sachs, NINCDS, were selected as outstanding supervisors.

'Ascent of Man,' Color Film Series, Depicts Social, Physical and Intellectual Development of Humans

The Ascent of Man, a 13-part film series, will be shown here—once a week on Tuesday nights—starting today (Sept. 9) through Oct. 21, at 7 p.m., in the Clinical Center's 14th floor assembly hall.

Patients, their relatives, and NIH employees may attend the series which is given by the CC's Patient Activity Section.

The Ascent of Man highlights human development through the history of science. The series, aired earlier on nationwide television, was narrated by the late author and scientist Dr. Jacob Bronowski. Dr. Bronowski had been a resident fellow of the Salk Institute for Biological Studies in California.

Each hour-long episode depicts areas of man's physical, intellec-

tual, or social development:

- Sept. 9—Lower than the Angels (anatomy and intellect). The Harvest of the Seasons (agriculture).

- Sept. 16—The Grain in the Stone (architecture). The Hidden Structure (chemistry).

- Sept. 23—Music of the Spheres (mathematics). The Starry Messenger (astronomy).

- Sept. 30—The Majestic Clockwork (physics). The Drive for Power (industrial revolution).

- Oct. 7—The Ladder of Creation (theory of evolution). World Within World (atomic energy).

- Oct. 14—Knowledge or Certainty (science and humanism). Generation Upon Generation (genetics).

- Oct. 21—The Long Childhood (the future).

Dr. L. Goodman Leaves NIH; Was BEIB Chief for 10 Years

Dr. Lester Goodman, chief of the Biomedical Engineering and Instrumentation Branch, Division of Research services, since 1965, has resigned to become director of circulatory systems research and development with Medtronic, Inc., in Minneapolis.

Before entering Federal service at NIH, Dr. Goodman held faculty posts at the Case Institute of Technology, where he received his Ph.D. in mechanical engineering.

He is active in national and international organizations of professional engineers and has received many honors, including the DHEW Superior Service Honor Award in May 1974.

He is currently president of the International Federation for Medical and Biological Engineering.

Henry A. Silva Will Speak At Special Parklawn Ceremony

Henry A. Silva, EEO Director of the National Labor Relations Board, will be the principal speaker at a Recognition and Recommitment ceremony to be held on Thursday, Sept. 18, at 10 a.m. in the Parklawn Bldg., Conference Room B, 3rd floor.

The ceremony—open to the public—is being held to pay tribute to those at Parklawn who helped make a success of Dr. Martin Luther King, Jr.'s birthday observation last Jan. 17, and to discuss plans for next year's celebration.

Mr. Silva once worked in close association with Dr. King and his family.

NIH'ers Will Participate In Fed'l Funding Meeting

Several NIH staff members will be taking part in the National Graduate University's 12th Institute on Federal Funding for Colleges, Universities, Non-profit, and Community Agencies, Sept. 17-19, at the Sheraton-Park Hotel.

Storm Whaley, NIH Associate Director for Communications, will discuss Policies and Funding Levels of NIH at the opening session.

Other NIH participants include Dr. John Kalberer, Jr., NCI, who will discuss New NCI Programs, and Drs. O. Malcolm Ray and Watson Alberts, NINCDS, who will speak about Available Funding for Research Contracts and Grants.

Dr. Richard C. Greulich, Acting Director of the National Institute on Aging will also speak.

NIAID's Dr. Allen Kaplan Studies Allergy to Cold

Some experts believe that certain unexplained drownings may represent an allergic reaction to cold water causing the swimmer to faint, and then drown.

This reaction, a form of skin allergy called cold urticaria, is being studied in the CC by Dr. Allen P. Kaplan, director of one of NIAID's 17 Asthma and Allergic Disease Centers.

The allergy to cold may cause hives, lead to a drop in blood pressure, fainting, severe shock, and even death.

Dr. Kaplan has shown that cold urticaria results from the release of histamine from body tissues as they begin to warm up after a cold stimulus. Extremely high histamine levels were shown to coincide with episodes of very low blood pressure, the cause of fainting.

Dr. Kaplan identified IgE in the blood of some patients. He purified it and is now studying its mechanism of action in cold urticaria.

Julian Holland, DRS Section Chief, Retires



At the farewell luncheon, Mr. and Mrs. Holland discuss their plans with DRS Director Dr. Joe R. Held (l). Mr. Holland has been a Federal employee for 36 years.

Julian Holland, Division of Research Services, has retired after 36 years of Federal service. Mr. Holland was chief, Instrument Fabrication Section, Biomedical Engineering and Instrumentation Branch.

He began his Government career in 1939 at the U.S. Naval Gun Factory where he served a 4-year apprenticeship. In 1947 he transferred to NIH—to the section he retired from.

There he served in various capacities, including as an instrument maker, as head of a Mechanical Unit, and as assistant section chief. In 1971, he was appointed chief of the section in BEIB.

Technical Knowledge Praised

Because of his technical knowledge, ability, and contributions to the field of biomedical engineering, Mr. Holland has been highly regarded by both scientists and administrators.

He has been responsible for a number of innovations in instrumentation such as variable gradient devices, disc gel electrophoresis apparatus, and an automatic sample changer for solid state alpha-spectroscopy. Mr. Holland is a co-holder of a patent for a fused all-glass-partitioned gel slab electrophoresis apparatus.

Last month, 87 friends and colleagues—some who had previously retired—attended a farewell luncheon for Mr. Holland who now plans to devote much of his time to his hobbies—golfing and fishing.

NIH Singers Rehearse Sunday, Seek Recruits—Especially Men

The NIH Singers, an R&W-sponsored activity, has resumed rehearsals for the fall season on alternate Sunday evenings. The next rehearsal will be held Sept. 21.

Male Singers Wanted

Prospective new members, particularly men, may contact Dr. Lewis M. Norton, Ext. 66671, for further information.

The Singers will present a concert in conjunction with the annual Christmas Carol Sing-Along.

Safety Tips for NIH

EYOWEE!



When accidents *DO* happen, follow these three steps:

- 1) If possible, report the injury to your supervisor;
- 2) Obtain first aid treatment at once from the Employee Health Service, even if the injury is slight;
- 3) Within 48 hours obtain a Notice of Injury form from an Employee Health Service unit, complete it, and return it to Bldg. 10, Room B2A-06.

For assistance in preparing a claim, call the NIH Compensation Officer, Ext. 65323.

Dr. Maxine Singer Is Named Yale Univ. Successor Trustee

Dr. Maxine F. Singer, head of the Nucleic Acid Enzymology Section, NCI Division of Cancer Biology and Diagnosis, has been appointed a successor trustee of Yale University. She is the third woman in Yale's 274-year history to serve as a trustee.

Dr. Singer, who received her Ph.D. in biochemistry from Yale, was chairman of the Committee on Biological Sciences of the University's Council prior to her recent appointment.

DR. BARON

(Continued from Page 2)

University. Following his internship he was a postdoctoral fellow at the University of Michigan.

He was given the Henry L. Moses Award for Medical Research in 1955 and 1962 from Montefiore Hospital. He also received the PHS Meritorious Service Medal in 1970 "in recognition of his contributions to the knowledge of interferon, his leadership in interferon research, and his initiation of a scientific information exchange program."

Postal Costs Soar; Carelessness, Misuse Of Franked Materials a Major Factor

Since 1972 postal rates have doubled, and the volume of outgoing mail at NIH has increased considerably.

As a result, the FY 1975 postal cost for NIH was over \$2 million. Within the next few months postal rates will increase by approximately 30 percent, resulting in an estimated cost of more than \$3 million for FY 1976.

In the past, postage represented a relatively small part of the budget of each B/I/D, but with the increase in both cost and volume, postal costs now represent a sizeable annual expenditure.

Many employees seem unaware of the fact that NIH has to pay postage on every piece of mail handled by the U.S. Postal Service. If conscientiously applied, the following suggestions will assist in reducing NIH postal costs:

- Use the correct size envelope. An 8- by 10½-inch sheet mailed in an 8½- by 11-inch envelope costs 40 cents postage. The same size folded to fit in a 3¼- by 8¾-inch envelope can be mailed for 10 cents.

Caution: Labels Are Costly

- Use indicia labels only for the purpose for which they are intended. The mail room frequently receives indicia-printed 9½- by 12-inch kraft envelopes—with a postal cost of 40 cents—to which has been attached a first class indicia label for packages which carries a postal cost of \$10.31.

Thus a total postal charge of \$10.71 results for a piece of mail that should have cost only 40 cents.

Since the first-class package labels are in handy roll form with adhesive backing, they are sometimes incorrectly used as a means of affixing the address to the envelope rather than typing it directly on the envelope or using inexpensive non-indicia adhesive labels available from the NIH Self-Service Stores.

Proper Use of Air Mail

- Use air mail only to distant points. Air mail rates are 30 percent more than regular mail.

When used to points such as New York City, Washington, D.C., Baltimore, Philadelphia, Boston, and other areas, air mail can lengthen the time required for delivery. Regular mail reaches these

Joggers Team Up on Sept. 19, Will Compete in Special Events

Runners and joggers interested in forming a NIH team to compete in interagency meets and special Bicentennial running events—relays, middle and long distance—during 1976, will meet at noon on Friday, Sept. 19 in Bldg. 37, Rm. 6B-23.

For further information, call Jay Miller, NIH Joggers Club, Ext. 66941.

Ross Holliday Reviews Campus Plans at NCI Forum Sept. 17

The master plan for the NIH campus—showing land use, circulation of vehicular and pedestrian traffic, plans for Metro, as well as designs of planned new buildings—will be the topic of the NCI Forum at noon, Wednesday, Sept. 17, in Wilson Hall, Bldg. 1.

Ross Holliday, director of the Division of Engineering Services, and Alfred Perkins, chief of the Engineering Design Branch, will give a slide-illustrated presentation and respond to questions from the audience.

areas at the same time, and in many cases sooner, than air mail.

- Use book rate or fourth class, where appropriate, rather than first class. Items may be mailed at book rate or fourth class at a fraction of the cost for first class mail.

- Stock only those indicia items to be used immediately or in the near future. The postage is charged at the time indicia items are purchased from stock, not at the time of their use.

- Do not dispose of unusable indicia items due to typographical errors or damage. These items may be returned to the Mail Service Section, Travel and Administrative Services Branch, DAS, for credit. Overstocked items and unused pre-addressed envelopes may also be returned for credit.

Mailing Course Given Soon

- Secretaries and other employees handling mail should arrange to attend the mailing procedures course offered by the Training and Education Branch, DPM.

This course covers all aspects of Government mail and provides the information and procedures necessary for proper handling of the various types of mailing. This course is fully described in the 1975 *NIH Training and Career Development Catalog*. The next scheduled course will be held on Wednesday, Sept. 24.

The Travel and Administrative Services Branch, has arranged for the NIH Self-Service Stores to stock priority labels for packages weighing up to 2 pounds.

Fourth class labels for packages weighing up to 70 pounds are available from the Central Mail Room, Bldg. 31, and may be obtained by submission of Form NIH-20, Stock Requisition.

For assistance with problems concerning the handling of Government mail, please contact James Thompson, chief, Mail Services Section, Ext. 61950.

CURRENT DATA

(Continued from Page 1)

connected by telephone lines to a central computer facility located at the National Library of Medicine.

The system currently contains more than 44,000 abstracts of research reports published between 1963 and 1974 on cancer therapy and carcinogenesis in humans and animals.

As a result of the interagency agreement, CCRESPAC will collect and store comprehensive information about 8,000 ongoing research projects in cancer and related fields from national and international program sources, and will conduct special searches of categories of current cancer research in various subject areas.

For further information, contact the ICRDB Program, NCI/NIH, Bldg. 31, Room 4B-41, Bethesda, Md. 20014, Ext. 66474.

NIH Visiting Scientists Program Participants

7/20—Dr. Natarajan Sitaram, India, Adult Psychiatry Branch. Sponsor: Dr. William Bunney, NIMH, Bg. 10, Rm. 3N212.

8/10—Dr. Frederika Mandelbaum-Shavit, Israel, Laboratory of Chemical Pharmacology. Sponsor: Dr. David Johns, NCI, Bg. 10, Rm. 6N110.

8/17—Dr. Esther Hurwitz, Israel, Immunology Branch. Sponsor: Dr. David Segal, NCI, Bg. 10, Rm. 3N109.

8/17—Dr. Shmuel Hurwitz, Israel, Metabolic Diseases Branch. Sponsor: Dr. Gerald Aurbach, NIAMDD, Bg. 10, Rm. 9D20.

8/17—Dr. Yutaka Shizuta, Japan, Laboratory of Molecular Biology. Sponsor: Dr. Ira Pastan, NCI, Bg. 37, Rm. 4B27.



A group award for outstanding performance in contracting activities was presented to the staff of the National Institute of Dental Research's Office of Collaborative Research by Dr. Clair L. Gardner (r), Acting Director of NIDR. From left are: Dr. John F. Goggins, associate director for Collaborative Research, Marion L. Blevins, Jean E. Greene, Dr. William A. Gibson, David M. Keefer, and Margaret J. Bochniak. Other staff members, Edith W. Mullen, Valerie C. Mesmer, Mary G. Ambrogio, and Paula D. Armistead, were not present for the picture.

FDA's Dr. Schonwelder Is New Grants Associate

Dr. Christopher O. Schonwelder has joined the Grants Associates Program for a year of training in health science administration.

Dr. Schonwelder has been with the Food and Drug Administration's Office of Science since January 1974 as an environmental health scientist.



He received his B.S. from the University of Vermont, Burlington, and the Ph.D. degree in organic chemistry from Pennsylvania State University.

Dr. Schonwelder served for 2 years as project officer with the Defense Atomic Support Agency, U.S. Army Chemical Corps, where he held the rank of captain. From 1971-1972, he was a research chemist with E. I. Dupont de Nemours and Company, Inc.

In 1973, he was awarded an M.S. degree in environmental toxicology from Purdue University, where he was an environmental health fellow during 1972 and 1973.

8/19—Dr. Tohru Murakami, Japan, Reproduction Research Branch. Sponsor: Dr. Richard Sherins, NICHD, Bg. 10, Rm. 12N206.

8/20—Dr. Gad Glaser, Israel, Laboratory of Molecular Genetics. Sponsor: Dr. Michael Cashel, NICHD, Bg. 6, Rm. 335.

8/22—Dr. Shinichiro Wakisaka, Japan, Laboratory of Experimental Neurology. Sponsor: Dr. William F. Caveness, NINCDS, Bg. 36, Rm. 4A27.

8/29—Dr. Mercedes Hernandez-Asensio, Spain, Laboratory of Oral Medicine. Sponsor: Dr. Abner Notkins, NIDR, Bg. 30, Rm. 121.