

the



Record

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

June 15, 1976
Vol. XXVIII, No. 12

NATIONAL INSTITUTES OF HEALTH

Savings Bond Campaign Report Reveals 2 Units Soared 'Over the Top'

Two NIH components have gone "over the top" in attaining the NIH U.S. Savings Bond campaign goal.

The Division of Research Resources leads in signing up new bond buyers and increased allotments with 118%.

The Division of Research Grants follows closely with 103%. The National Institute of Neurological and Communicative Disorders and Stroke is third with 89% toward reaching its goal.

June 3 Figures Reported

As of June 3, approximately 400 NIH employees signed to become new bond buyers or have increased their allotments since commencement of the drive on May 3. This represents only 35% of the overall NIH goal set.

Although the campaign is officially over today (June 15), NIH employees may still sign up for U.S. Savings Bonds or increase their allotments through their (See SAVINGS BONDS, Page 3)

Dr. Saunders to Discuss British Hospice Tonight

Dr. Cicely Saunders of the St. Christopher's Hospice, London, England, will give an illustrated lecture on the continuing care and treatment of potentially terminal cancer patients.

Her talk, entitled Home, Hospital, or Hospice, is scheduled for 7 p.m. this evening—June 15—in the Masur Auditorium.

NIH HONOR AWARDS CEREMONY

Director's Award, Commendation Medals Other Honors to Be Presented June 28

At the Eighth Annual NIH Honor Awards Ceremony on Monday, June 28, at 2:15 p.m., in the Masur Auditorium, 30 Civil Service staff members will receive the newly-established NIH Director's Award, and 22 Commissioned Officers will be awarded the Commendation Medal.

The NIH-EEO Achievement Award of the Year will be presented, and one employee will re-

ceive a 40-year Length-of-Service Award.

Dr. Donald S. Fredrickson, NIH Director, will present the awards, and Edward E. Nicholas, Jr., Director of the Division of Personnel Management, will serve as master of ceremonies and read the citations.

Dr. John F. Sherman, vice president of the Association of American Medical Colleges, will deliver the keynote address. A former NIH'er, he held various positions—including that of Deputy Director of NIH and Acting NIH Director—during the 17 years he was here.

Employees Invited

All NIH employees are invited to attend the ceremony which will last approximately 1 hour and 10 minutes. The NIH Stage Band, under the direction of Anthony J. D'Angelo, will perform during the ceremony.

Recipients of the NIH Director's Award are:

DR. PHILIP S. CHEN, JR., assistant director for Intramural Affairs, Office of the NIH Deputy Director for Science, Office of the Director, "For unusual skill and tact in solving the numerous and diverse problems arising in the management of NIH research programs."

DR. GEORGE N. EAVES, staff member, President's Biomedical Research Panel, "For diligence, scholarship, imagination and leadership which resulted in significant contributions to the efforts of the President's Biomedical Research Panel."

SAMUEL W. GEORGE, chief,
(Continued on Page 4)

Recombinant DNA Office Is Established; Research Guidelines to Be Issued Soon



On June 2, Dr. Fredrickson (c) and Dr. Joseph G. Perpich (l), NIH Associate Director for Program Planning and Evaluation, discussed problems concerning the potential applicability of the forthcoming recombinant DNA research guidelines to industry and other institutions and Government agencies. Dr. Richard Donovan (r), Director of the American Type Culture Collection, was among the agency representatives participating in the discussion.

Effective May 5, the Director of NIH established an Office of Recombinant DNA Activities, reporting to the Director of the National Institute of General Medical Sciences. Dr. William Gartland will head the new Office, while retaining his position as scientist administrator in the Genetics Program Branch, NIGMS.

The Office of Recombinant DNA Activities will review and coordinate all related activities at NIH and in the extramural and intramural programs of the individual B/I/D's in this research area.

It will also assure coordination of activities between NIH and other Government agencies, private foundations, professional societies, industry, and international activities.

Also, the Office will review the composition of institutional biohazards committees and certification statements; develop registries of activities related to recombinant DNA research (laboratories, projects, new containment facilities,

etc.), and will prepare regular reports.

On June 2, Dr. Donald S. Fredrickson, NIH Director, met with representatives of drug companies, chemical companies, and manufacturers associations to discuss forthcoming guidelines for recombinant DNA research.

Applicability Noted

The guidelines, to be published during the week of June 21, will apply to scientists in Government agencies and to investigators supported by Government funds; for instance, NIH grantees in university laboratories.

Dr. Fredrickson pointed out that scientists and organizations in many other countries are awaiting publication of the NIH guidelines



Dr. James B. Sweet, oral surgeon, Clinical Dental Services Section, National Institute of Dental Research, received the J. D. Lane Award from the Professional Association of the USPHS at its recent New Orleans meeting. Competition for the annual award is open to all PHS professionals. One of 11 finalists, Dr. Sweet was honored for research reducing the incidence of post-extraction bacteremias.

before drawing up similar or modified guidelines.

Dr. John G. Adams of the Pharmaceutical Manufacturers Association said that industry representatives may meet soon to draft guidelines appropriate for industry.

the NIH Record

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Silver Spurs to Dance At CC on June 24; R&W Sponsors Benefit



Western style square dances, as well as folk dances from many countries, will be performed by the Silver Spurs. Proceeds from the R&W-sponsored program will benefit the Patient Emergency Fund.

On Thursday, June 24, at 8 p.m. in the Masur Auditorium, the NIH R&W Association will sponsor a 2-hour dance show by the Silver Spurs—two dozen teenagers from Spokane, Wash.

Organized by physical education consultant "Red" Henderson in 1947, the group continues to attract outstanding, enthusiastic student-participants from Spokane area schools. The Silver Spurs tour the U.S. annually, and made European tours in 1972 and 1975. They previously appeared at NIH in 1971.

The program will include Western style square dancing, Mexican

Joggers, Walkers, and Runners Celebrate Bicentennial July 2

The NIH Bicentennial Run, sponsored by the Health's Angels Jogging Club, will be held Friday, July 2, at noon, beginning in front of Bldg. 1, and will consist of two events—a 1-mile run or walk, and a 10-mile run to the White House.

Participants Rewarded

Commemorative ribbons and certificates will be awarded to all persons completing either event.

For further details, call Jogging Club co-presidents Dr. David Young, Ext. 65433, or Jay Miller, Ext. 66941.

R&W Annual Meeting Is Tomorrow at Noon in CC

The NIH Recreation & Welfare Association is holding its annual meeting tomorrow (Wednesday, June 16) at noon in the Masur Auditorium.

R&W officers will make their reports to members, and nomination of officers for next year is on the agenda.

Also, entertainment will be offered and a number of door prizes distributed.

and Indian dances, English and Continental dance styles—and perhaps some audience participation.

Spokane parents and boosters contribute their time and talents to the group as costumers, sound technicians, lighting consultants, and also help finance the group's tours.

Tickets may be purchased for \$3 each at the R&W Activities Desk in Bldg. 31 or in the CC or Westwood R&W Shops.

Majority of Upward Mobility Graduates Win Honors



Upward Mobility College graduates gathered with their families, friends, and supervisors for ceremonies held June 4 in the Masur Auditorium.

Graduation certificates were presented recently to 37 students of the NIH-FCC Upward Mobility Satellite College by Edward E. Nicholas, Jr., Director of the Division of Personnel Management, Richard Jackson, central project officer of UMC at NIH, and George Slate, director, NIH Upward Mobility College.

Speakers at the graduation exercise included Dr. Donald S. Fredrickson, NIH Director, Raymond J. Sumser, Deputy Assistant Secretary of HEW for Personnel and Training, and Arthur Reid, student spokesman.

Graduates Named

Summer 1975 graduates with honors were: Guy Johnson, AA, and Thomas Smith, BBA. Anna Gatling received a BBA degree.

Winter 1975 graduates with honors included: Neil French, BA, Carolyn Jackson, BA, Charlie Lawrence, BA, and Wilhelm Schmidt, BBA. Donald Bush received a BBA, and Arthur Reid a BA degree.

Summer 1976 graduates with honors were: Charles Bowie, BBA, Phyllis Brown, BA, Julia Chandler, AS, Rodney Duvall, AS, Rita Fleisher, AA, Frances Gallegos, BA, Kathryn Hancock, BBA, George Hemphill, BBA, William Hill, BBA, Susan LaRoche, BA, Marcelline Lee, BS, Louise B. Miller, BA, Mary K. Nicholas, AA, Lynn R. Odellas, BA, Marilyn Ruiz, BA, Dorothy Steward, BA, Naomi Stocks, BS, Dorothy Waters, BA, and David Winter, BA.

Other Summer 1976 graduates included: Calvin Bussey, AA, Catherine Clifford, BS, Mary Corbett, AS, Allen Graham, AA, Josephine Jacobs, AA, Eleanor McCullum, BBA, James Robinson, BA, William Rodriguez, AS, and Betty Taylor, AA.

F.E.W. Dinner Features Awards, Guest Speaker

The Suburban Maryland Chapter of Federally Employed Women, Inc. will present its annual awards to those who have made outstanding contributions to the promotion of equal job opportunities for women at an Awards Dinner, on Wednesday, June 23, at 6:30 p.m. at the Naval Officer's Club in Bethesda.

In addition to the awards, the program will feature guest speaker, Dorothy P. Rice, Director of the National Center for Health Statistics, who will discuss The Role of Women in the Federal Bureaucracy.

New Booklet Tells 'How To Cope With Arthritis,' Gives Up-to-Date Data

How to Cope with Arthritis, the latest booklet published by the National Institute of Arthritis, Metabolism, and Digestive Diseases, contains up-to-date information on research into man's oldest known chronic illness.

It discusses modern approaches to treatment, rehabilitation, and problems of everyday living for the arthritic person.

Arthritis refers to the types of disabling disease which attack the joints; but, in fact, inflamed joints may be only one manifestation of the more than 90 different diseases that are included under the designation of "arthritis."

The three most common of these diseases are rheumatoid arthritis, osteoarthritis, and gout. Each is a distinct disease with different causes and different prospects for recovery, requiring different methods of treatment.

Patients Can Be Aided

Rheumatoid arthritis is the most crippling of the rheumatic diseases. Although it is not possible today to cure rheumatoid arthritis, it is possible for patients to cope successfully with their affliction with the help of their physicians and other specialists.

The booklet contains discussions of such topics as physical therapy, exercise, diet, mental health, and the problem of quack remedies.

In addition, the new publication provides information on other forms of arthritis and rheumatism.

For reservations, call Karen Turnbull-Shangraw, 443-3104, or send \$7 to Ms. Turnbull-Shangraw, in Room 9C-8, Parklawn Bldg., payable to Suburban Maryland Chapter, F.E.W. Inc.

Everyone is welcome on this special occasion.

Robert Shelden Retires; Construction Engineer At NIH for 10 Years

Robert E. Shelden, chief of the General Construction Section, Construction Engineering Branch, Division of Engineering Services, will retire from NIH on June 30.

A sanitary engineering director in the Public Health Service, Mr. Shelden has been associated with the construction of NIH facilities since coming to NIH in 1966.

A successful Task Order method for urgent construction projects was implemented under his direction in 1974.

Prior to joining NIH, Mr. Shelden was with the Water Pollution Control Program in Atlanta, Ga.

His retirement climaxes a 34-year career which began with the Army in 1942 and has included service with the National Guard as well as the PHS.

Mr. Shelden will be moving to Raleigh, N.C., where he will continue to be an enthusiastic booster of the "Wolf Pack" of his alma mater, North Carolina State. After construction of his new home, he plans some part-time work as an engineering consultant.



Mr. Shelden has worked on a number of projects here, including the library and cafeteria additions to Bldg. 10, the addition to Bldg. 12, and renovations in many other buildings.

NIH Visiting Scientists Program Participants

5/23—Dr. Angel Duran, Spain, Laboratory of Biochemistry and Metabolism. Sponsor: Dr. Enrico Cabib, NIAMDD, Bg. 10, Rm. 9N111.

5/24—Dr. John William Henderson Sutherland, Canada, Section on Molecular Biology. Sponsor: Dr. Alan Schechter, NIAMDD, Bg. 10, Rm. 9N231.

5/26—Dr. Fouad N. Boctor, Egypt, Laboratory of Biochemistry. Sponsor: Dr. Warren H. Evans, NCI, Bg. 37, Rm. 4C22.

6/1—Dr. Takao Kanamori, Japan, Laboratory of Chemistry. Sponsor: Dr. John Daly, NIAMDD, Bg. 4, Rm. 210.

6/1—Dr. Keiji Nishimoto, Japan, Laboratory of Neuropathology and Neuroanatomical Sciences. Sponsor: Dr. Igor Klatzo, NINCDS, Bg. 36, Rm. 4D02.

Dr. Burton Is Chairman Of German Symposium On Dialysis Technology

At the invitation of the University of Ulm, Germany, Dr. Benjamin T. Burton organized and chaired a German-language symposium on kidney dialysis in Wiesbaden on May 29.



Dr. Burton

Dr. Burton, who is associate director of the National Institute of Arthritis, Metabolism, and Digestive Diseases, is also chief of NIAMDD's Artificial Kidney-Chronic Uremia Program.

He assembled speakers on dialysis from all over the world—including contractors of the Institute-supported AK-CU group.

The symposium on New Technologies of Blood Purification in Uremia outlined for 300 German physicians the newest methodologies for treatment of uremia, the toxic condition produced by urinary components in the blood.

In 1974 Dr. Burton addressed the first annual meeting of the European Dialysis and Transplant Association in German. The success of that presentation spurred the recent invitation to demonstrate NIH's role in furthering technology in the field of nephrology, artificial kidney, and uremia.

Biology Branch of NCI Renamed After Transfer

The National Cancer Institute's Biology Branch was recently transferred from the Division of Cancer Cause and Prevention to the Division of Cancer Biology and Diagnosis.

The laboratories have been renamed the Laboratory of Immunobiology and placed within the Division's Immunology Program. Dr. Herbert J. Rapp will continue to head the laboratory.

Scientists in the laboratory are developing animal models for the immunotherapy of human cancer and are studying molecular and cellular events that produce cancer cell damage by components of the immune system.

Other research concerns antigens derived from normal and cancerous cells, and the harmful effects of cancer on the immune system.

Tennis Finals Slated June 27

Everyone is invited to watch the annual spring tournament finals of the NIH Tennis Club, on Sunday, June 27, at the NIH tennis courts adjacent to Bldg. 41.

Women's singles 12:30 p.m.
Men's singles 1:30 p.m.
Women's doubles 2:30 p.m.
Men's doubles 3:30 p.m.
Mixed doubles 4:30 p.m.

The rain date will be July 11.

SAVINGS BONDS

(Continued from Page 1)

B/I/D coordinators until June 18.

The campaign will culminate on Friday, June 25, at 1 p.m. with a prize drawing for new bond buyers and allotment-increase buyers at the Masur Auditorium.

Three prizes will be donated by the NIH Recreation & Welfare Association. The first prize will be a \$25 Savings Bond; second and third prizes will be \$15 and \$10 R&W Gift Shop certificates.

Purposes Cited

Three major purposes indicated by the new bond buyers at DRR were 43% for retirement, 28.5% for children's education expenses, and 28.5% for accumulated savings.

Interest on bonds is exempt from state or local income and personal property taxes. Interest is reportable on Federal tax returns when the bonds are cashed.

However, there are some interesting methods of handling interest earned from Series E Bonds which astute NIH employees should consider in viewing their personal Federal tax picture.

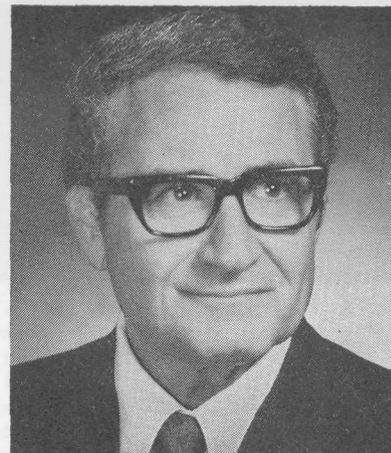
Tax Regulations Explained

Under current U.S. Treasury regulations, Series E Bonds purchased now can be held for 15 years without declaring interest earned on Federal tax returns. At the end of this period, the bonds can be exchanged (must be valued at \$500 or more) for H Bonds. The H Bonds yield up to 6%, payable semiannually by Treasury check.

Thus, the retirement bond buyer could hold the H Bonds until age 65 at which time he or she would be in a lower tax bracket with a double exemption for Federal income tax purposes.

When bonds are bought in a child's name (with parents as beneficiary) no income tax returns for interest earned need be made until the bonds are cashed for college expenses. As long as the accrued interest on bonds cashed each year, plus other income, does not exceed the exemption, no tax will be due.

Dr. Bonica to Discuss Relief of Cancer Pain At NCI on June 28



In 1961, Dr. Bonica established a multidisciplinary pain clinic at the University of Washington, where patients with stubborn, chronic pain, referred by physicians, are examined by experts including neurologists and psychiatrists.

Dr. John Bonica, professor and chairman of the department of anesthesia at the University of Washington, Seattle, will present a Mini-Symposium on Cancer Pain at 9 a.m. on June 28, in Conference Room 4 of Bldg. 31, as part of the NCI Cancer Control Grant Review Committee meetings.

Dr. Bonica will explain methods, other than narcotics, to relieve the pain of inoperable or recurrent cancer.

Methods Detailed

These methods include nerve blocks, or the injection of a chemical agent to deaden pain-carrying nerves, alcohol injections that destroy nerves, surgery, hormone treatments, hypnosis and biofeedback—a psychological technique that involves teaching the patient how to minimize pain.

The very popular hunting for "fathers" of every branch of medicine and every treatment is rather foolish; it is unfair not only to the mothers and ancestors but also to the obstetricians and midwives.—Henry E. Sigerist.

All in the family.



Take stock in America.
Buy U.S. Savings Bonds.

NIH HONOR AWARDS CEREMONY WILL BE HELD JUNE 28 IN MASUR AUDITORIUM

(Continued from Page 1)

Operations Accounting Branch, Division of Financial Management, OD, "For superior leadership abilities in the design and development of an integrated NIH system for processing, paying and accounting for goods and services."

JAMES G. HAWKES, Space Management officer, Division of Administrative Services, GSM, OD, "For contributions to the NIH Research Programs through his technical competence, guidance and leadership in developing a highly effective Space Management Program."

DR. ANN A. KAUFMAN, Research Grants officer, Office of Extramural Research and Training, OD, "For significant contributions affecting the quality of scientific management practices in the NIH Extramural Programs."

DR. CHARLES R. McCARTHY, chief, Legislative Development Branch, Office of Program Plan-

ning and Evaluation, OD, "For significant contributions to the resolution of difficult policy problems, particularly in the areas of Freedom of Information, the Privacy Act, and Biomedical Ethics."

STANLEY JABLONSKI, head, Index Section, Bibliographic Services Division, National Library of Medicine, "For leadership in maintaining a high standard of quality in the indexing for *Index Medicus*, and for his independently authored, highly regarded specialized medical lexicons."

Dr. Borsos Honored

DR. TIBOR BORSOS, associate chief, Biology Branch, and head, Immunochemistry Section, Division of Cancer Cause and Prevention, National Cancer Institute, "For fundamental studies showing that animals with cancer can be cured by a combination of Chemotherapy and Immunotherapy."

DR. MARGARET HAY ED-

WARDS, chief, Clinical Manpower Branch, Division of Cancer Research Resources Centers, NCI, "For national leadership in activities designed to enhance educational programs in cancer for health professionals."

DR. PIETRO M. GULLINO, chief, Laboratory of Pathophysiology, Division of Cancer Biology and Diagnosis, NCI, "For research accomplishments, particularly work on the pathophysiology of cancer, and contributions to the Breast Cancer Task Force."

DR. IRVIN C. PLOUGH, associate director for Program Planning, Division of Cancer Biology and Diagnosis, NCI, "For role in effecting the orderly expansion of the research programs of the Division of Cancer Biology and Diagnosis, NCI, during a period of unprecedented growth."

DR. MALVINA SCHWEIZER, special assistant, National Heart and Lung Institute, "For excep-

tional contributions to the National Heart and Lung Institute extramural programs in general and the program project and lung programs in particular."

Accomplishments Recognized

DR. FREDERICK J. DE SERRES, chief, Environmental Mutagenesis Branch, National Institute of Environmental Health Sciences, "For outstanding accomplishments in development of the Environmental Mutagenesis Program and world-wide leadership in calling attention to the need for scientific research in environmental mutagenesis."

DR. PHILLIP J. BAKER, acting head, Microbiology and Immunology Section, Laboratory of Microbial Immunity, National Institute of Allergy and Infectious Diseases, "For the co-discovery of suppressor T lymphocytes and for major contributions to scientific

(See AWARDS, Page 5)

NIH Director's Awards



Dr. Chen



Dr. Eaves



Mr. George



Mr. Hawkes



Dr. Kaufman



Dr. McCarthy



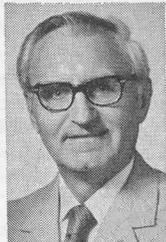
Mr. Jablonski



Dr. Borsos



Dr. Edwards



Dr. Gullino



Dr. Plough



Dr. Schweizer



Dr. DeSerres



Dr. Baker



Dr. Froehlich



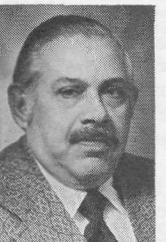
Dr. Hartley



Dr. Martin



Dr. Puziss



Mr. Kroll



Mr. Walker



Ms. Bishop



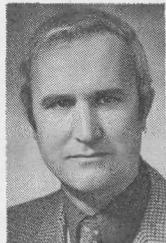
Mr. Campbell



Dr. Leder



Dr. Read



Mr. Ward



Ms. Pettinato



Mr. McManus



Ms. Calley



Ms. Hubbard



Dr. James

ENERGY TIPS

The Environmental Protection Agency estimates that if the average weight of automobiles were reduced from the present 3,500 pounds to 2,500 pounds, the U.S. would save 2.1 million barrels of oil a day—about a third of vehicle consumption.

The owner who drives 10,000 miles a year saves up to 25 gallons of fuel in the average 1974 car because it uses 80 pounds of aluminum instead of heavier material.

To save gas when driving:

- Start slowly. Accelerate gently except when entering high speed lanes or when passing.

- Drive at steady speeds. On the highway, repeatedly varying the speed by 5 miles per hour can reduce fuel economy by as much as 1.3 miles per gallon.

- Pre-plan trips. Which route requires the least fuel? Allow for the fact that freeway driving is nearly twice as economical as driving in heavy city traffic. Travel in off-peak traffic whenever possible. Use routes with the minimum number of traffic lights and stop signs.

Monograph Considers Research on Spinal Manipulative Therapy

A monograph on the research status of spinal manipulative therapy, including chiropractic, osteopathic, and medical approaches, has been issued by the National Institute of Neurological and Communicative Disorders and Stroke.

The monograph is the result of a research workshop on this subject held at NIH Feb. 2-4, 1975. Participating in the workshop were 58 scientists and clinicians from 9 countries.

Sixteen participants were Doctors of Chiropractic; 24 were Doctors of Medicine; 7 were Doctors of Osteopathic Medicine, and 11 were basic scientists.

While the workshop did not address specific questions relating to the validity of chiropractic practices, it did provide a framework on which to proceed toward a definitive scientific evaluation of the whole field of spinal manipulative therapy, according to Dr. Murray Goldstein, conference chairman and director of Extramural Activities, NINCDS.

"The available scientific data do not demonstrate that spinal manipulation provides relief from pain, and sometimes a cure, or that it does not. But the scientific community now has the means to test



Dr. Phillip Gorden (r), clinical director of the National Institute of Arthritis, Metabolism, and Digestive Diseases, joins (l to r) George Cahill of the Joslin Research Foundation and a member of the National Commission on Diabetes, Edwin Ducat of the Juvenile Diabetes Foundation, and actress Dina Merrill, at a meeting on the problems of juvenile diabetes sponsored by the White House and the Juvenile Diabetes Foundation.

these hypotheses. The workshop was an essential first step," Dr. Goldstein said.

The meeting was held in response to a directive from the Senate Appropriations Subcommittee (for the Departments of Labor and HEW) which noted that . . . "this would be an opportune time for an 'independent, unbiased' study of the fundamentals of the chiropractic profession."

Copies of the proceedings, entitled *The Research Status of Spinal Manipulative Therapy*, are available from NINCDS.

Health Foundation Nominates Levy Humanitarian of the Year

Dr. Robert I. Levy, Director of the National Heart and Lung Institute, has been named Humanitarian of the Year by the Associated Health Foundation, health arm of the Knights of Pythias.

In conferring this honor, the Foundation recognized Dr. Levy's innovations and "his accomplishments in advancing the well-being of the people of the . . . Nation."

Dr. Levy was honored at the Foundation's 25th annual dinner in New York City on June 5.

AWARDS

(Continued from Page 4)

understanding of the genetic control of the immune response."

DR. LUZ A. FROEHLICH, assistant for Clinical Programs, Extramural Programs, NIAID, "For effective administration of specialized NIAID grants programs and for enthusiastic and productive participation in NIH efforts in Equal Employment Opportunities."

DR. JANET W. HARTLEY, research microbiologist, Laboratory of Viral Diseases, NIAID, "For numerous contributions to mammalian virology, particularly the development of tissue culture assays for previously uncultivable viruses."

Vital Contributions Noted

DR. MALCOLM A. MARTIN, head, Physical Biochemistry Section, Laboratory of Biology of Viruses, NIAID, "For vital contributions to research on human papovaviruses, the malignant transformation of cells, and the development of safety standards for studies of DNA recombinants."

DR. MILTON PUZISS, chief, Bacterial and Mycoptic Diseases Branch, Extramural Programs, NIAID, "For dynamic leadership in stimulating and developing a special emphasis grants program

in the critical area of sexually-transmitted disease research."

BERNARD H. KROLL, head, Section on Systems Design and Data Processing, Office of Biometry and Epidemiology, National Institute of Neurological and Communicative Disorders and Stroke, "For innovative systems work such as the Collaborative Perinatal Project's massive data files, and primate colonies, which have greatly furthered the Institute's research goals."

JOSEPH T. WALKER, JR., biological laboratory technician (microbiology), Laboratory of Neuro-pathology and Neuroanatomical Sciences, NINCDS, "For developing the Double Tracer Technique which has advanced the knowledge about the blood-brain barrier."

CONSTANCE BISHOP, administrative officer, National Institute of Arthritis, Metabolism, and Digestive Diseases, "For exceptional efforts in administrative management activities and outstanding performance in coordinating administrative functions for US-USSR cooperative research efforts and the Commissions on Diabetes and on Arthritis and Related Musculoskeletal Diseases."

ARTHUR A. CAMPBELL, deputy director, Center for Population Research, National Institute of Child Health and Human Development, "For notable scientific con-

tributions in demography and success in directing NICHD's population research program in the social sciences."

DR. PHILIP LEDER, chief, Laboratory of Molecular Genetics, Intramural Research Programs, NICHD, "For critical contributions to the unequivocal codon assignments in the *E. coli* system, contribution to the understanding of the components of protein synthesis and the purification and study of specific gene transcripts."

DR. MERRILL S. READ, chief, Growth and Development Branch, NICHD, "For exceptional leadership and accomplishment in the development of extramural programs for support of research in nutrition."

JOHN EMMETT WARD, chief, Data Management Branch, Division of Computer Research and Technology, "For superior leadership and professional competence in implementing effective computer-based data management systems that have strengthened biomedical and administrative programs throughout the NIH."

FRANCES H. PETTINATO, executive officer and acting financial manager, National Institute of Dental Research, "For sustained contributions to sound financial management, and exemplary performance as Acting Executive Of-

ficer of the National Institute of Dental Research."

EDWARD H. McMANUS, executive officer, National Eye Institute, "For exceptional leadership and initiative in the planning, execution and administration of both long and short term policies and programs of the National Eye Institute."

Mary Calley Cited

MARY B. CALLEY, public information specialist, Office of Administrative Management, Clinical Center, "For indispensable help, capable assistance and effective leadership related to ceremonies, receptions, special programs and tours for visitors to NIH as well as the Clinical Center."

SUSAN P. HUBBARD, clinical nurse specialist, Nursing Department, CC, "For indispensable role as Chemotherapy Research Nurse, which has significantly enhanced the treatment and care of patients in the program."

DR. JOHN C. JAMES, health scientist administrator, Research Analysis and Evaluation Branch, Division of Research Grants, "For leadership in directing highly effective analytic studies which have provided information on past trends in extramural programs and indications of their possible future directions."

(Continued on Page 6)

Commendation Medals



Dr. Brereton



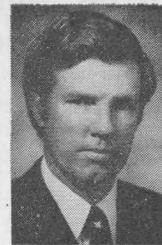
Dr. Chabner



Mr. Davignon



Dr. Depue



Dr. Hamner



Dr. Herberman



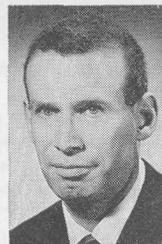
Dr. Hoover



Mr. Scotto



Dr. Friedewald



Dr. Frommer



Dr. von Euler



Dr. Gerloff



Dr. Kaplan



Dr. MacLowry



Ms. Murphy



Mr. Smith



Dr. Atchley



Dr. Frazier



Dr. Kakehashi



Dr. Rigg



Dr. Fuccillo



Dr. Whitney

(Continued from Page 5)

Commendation medals will be presented to:

DR. HARMAR D. BRERETON, head, Radiation Medicine Section, Radiation Oncology Branch, NCI, "For organization of an outstanding training program which integrates radiation oncology, medical oncology, surgical pathology and other related disciplines."

DR. BRUCE A. CHABNER, assistant chief, Laboratory of Chemical Pharmacology, and head, Biochemical Pharmacology Section, Laboratory of Chemical Pharmacology, and senior investigator, Medicine Branch, NCI, "For outstanding performance of clinical and laboratory investigations of the pharmacology of several anti-tumor agents."

JEAN PAUL DAVIGNON, head, Clinical Drug Distribution Section, Division of Cancer Treatment, NCI, "For outstanding leadership in developing experimental drug formulations for clinical studies, and management of the clinical drug distribution activities of the Division of Cancer Treatment."

DR. ROBERT H. DEPUE, JR., assistant to the director, Division of Cancer Cause and Prevention, NCI, "For excellence in the development and review of research projects generated by the Division of Cancer Cause and Prevention, and the development of operating

policy to achieve the overall Division objectives."

DR. JAMES E. HAMNER III, associate director for Intervention Programs, Division of Cancer Control and Rehabilitation, NCI, "For dedication and scientific capabilities in directing the activities of the Intervention Programs in the Division of Cancer Control and Rehabilitation."

DR. RONALD B. HERBERMAN, chief, Laboratory of Immunodiagnosis, Division of Cancer Biology and Diagnosis, NCI, "For research accomplishments in the field of tumor immunology and contributions to the NCI's collaborative research programs."

Innovative Studies Praised

DR. ROBERT N. HOOVER, head, Environmental Studies Section, Division of Cancer Cause and Prevention, NCI, "In recognition of innovative studies of high-risk communities in the U.S. which have provided new leads and opportunities for identifying previously unrecognized causes of cancer."

JOSEPH SCOTTO, biostatistician, Demography Section, Division of Cancer Cause and Prevention, NCI, "For distinctive contributions to the measurement of cancer incidence and dedication to studies of the economic and social impact of cancer."

DR. WILLIAM T. FRIEDEWALD, chief, Clinical Trials Branch, Division of Heart and

Vascular Diseases, NHLI, "For effective organization of major clinical trials and initiation of the Aspirin Myocardial Infarction Study to determine effectiveness of aspirin in reducing total mortality in patients with myocardial infarction."

DR. PETER L. FROMMER, associate director for Cardiology Program, Division of Heart and Vascular Diseases, NHLI, "For coordination and direction of the Institute's diverse programs in cardiology."

DR. LEO H. VON EULER, deputy director, National Institute of General Medical Sciences, "In recognition of a continuing distinguished career in research administration and for demonstrating a remarkable degree of creativity, perceptiveness, balance, and integrity as Deputy Director and Acting Director, NIGMS."

DR. ROBERT K. GERLOFF, microbiologist, Rocky Mountain Laboratory, NIAID, "For scientific achievements in devising sensitive tests for antibodies to various organisms and for leadership in developing an outstanding laboratory safety program."

DR. ALLEN P. KAPLAN, head, Allergic Diseases Section, Laboratory of Clinical Investigations, NIAID, "For organizing and directing NIAID's center for the study of allergic diseases and for outstanding research on the bio-

chemical mechanisms of inflammation."

DR. JAMES D. MAC LOWRY, chief, Microbiology Service, CC, "For outstanding leadership in the Clinical Pathology Department and for exceptional capabilities in the field of antimicrobial agents and antibiotic sensitivity testing."

BARBARA A. MURPHY, chief, Social Work Department, CC, "For professional excellence and for the creation of a climate that encourages members of Social Work Department to develop innovative and flexible approaches to the CC social work programs."

LAMONT B. SMITH, assistant chief, Physical Therapy Service, CC, "For consistent and exceptionally high level of performance in the dual roles of education and delivery of care to Clinical Center patients."

Competence Outstanding

DR. FLOYD O. ATCHLEY, executive secretary, Cardiovascular and Renal Study Section, Division of Research Grants, "For outstanding competence, dedication and leadership in directing the review and scientific development activities of the Cardiovascular and Renal Study Section."

DR. PAUL D. FRAZIER, chief, Soft Tissue Stomatology and Nutrition Branch, NIDR, "For continued excellence and significant

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contributions in administering the Mineralization, Nutrition and Soft Tissue Diseases Program of the National Institute of Dental Research."

DR. SAMUEL KAKEHASHI, chief, Periodontal Diseases Program Branch, NIDR, "For continued excellence and valuable contributions in administering the Periodontal Diseases Program Branch. . . ."

DR. EMIL L. RIGG, special assistant for Dental Research Institutes and Centers, NIDR, "For continued superior performance and outstanding contributions in administering the Dental Research Institutes and Centers Program. . . ."

DR. DAVID A. FUCCILLO (retired), formerly assistant chief, Infectious Diseases Branch, NINCDs, "For unique contributions to clinical medical research and clinical medicine through innovative development of new serological diagnostic tests."

DR. ROBERT A. WHITNEY, JR., chief, Veterinary Resources Branch, Division of Research Services, "In recognition of outstanding leadership as chief, Veterinary Resources Branch, Division of Research Services, and keen awareness of quality animal care and support service needs throughout the NIH community."

The NIH Equal Employment Opportunity Achievement award of the year was presented to ELMER A. DYSON, Environmental Health Technician, Environmental Services Branch, Division of Research Services, "For outstanding efforts and contributions in improving human relations in the Division of Research Services and the NIH community."

An NIH Length-of-Service Award for 40 years was given to MARY D. BERTHA, chief, Labor Management Branch, DPM.



Mr. Dyson

Cleveland's Singing Angels To Appear Here June 18

The Singing Angels, a 250-member youth chorus from Cleveland, will perform in the Masur Auditorium on Friday, June 18, at 7:30 p.m.

The Clinical Center Patient Activity Section is presenting the chorus. The Bicentennial theme for the performance will be "Sing America."

CC patients, their families, NIH employees, and guests are welcome.

Yale Scientists Recommend Two Tests For Diagnosing Infectious Mononucleosis

A 4-year study of a class of West Point cadets before, during, and after development of clinical and subclinical infectious mononucleosis has permitted critical evaluation of four tests used for diagnosis and research on this disease.

Conducted by scientists from the WHO Serum Reference Bank of Yale University School of Medicine's department of epidemiology and public health, the study was partly supported by NIAID and NCI grants.

Infectious mononucleosis is characterized by intense formation of several types of antibody developing at different stages of the infection and persisting for weeks to years.

Antibody detection, necessary to diagnose and study the disease, requires blood sample collection over an extended period and the use of the test best suited for each evaluation.

Develop EBV Antibodies

In underdeveloped tropical countries, most children develop Epstein-Barr virus antibodies before the age of 10, and clinical symptoms of infectious mononucleosis are almost unknown.

Where socioeconomic conditions are higher, infection is often delayed, and symptoms, when they appear, are more severe.

The prime susceptible population for the disease in the U.S. is the 15-25 year age group, the victims often being college students.

Three heterophile antibody tests—the beef hemolysin test, the horse red blood cell test, and the sheep red blood cell test—plus a test specific for IgM antibody to the EBV (herpes-like virus believed to be the cause of infectious mononucleosis) were evaluated for specificity, sensitivity, and persistence of the antibody.

West Point Cadets Tested

Of the 1,401 cadets who entered West Point in 1969 and left in 1973, 964 arrived with EBV antibody, indicating prior clinical or subclinical infection.

Of the 437 who had no EBV antibody, 53 subsequently developed the disease and another 129 developed EBV antibody without recognized mononucleosis.

Specificity, indicated by absence of EBV antibody before illness, was greatest with the beef hemolysin test. The EBV-specific IgM antibody test ranked next, the horse red blood cell test third, and the sheep red cell test a poor fourth.

In sensitivity and persistence studies of fully confirmed mononucleosis, the horse red blood cell test yielded 96 percent positive results, attained the highest geometric mean titer (1:1,906), and the antibody persisted for at least a year in 75 percent of the tested area.

The EBV-specific IgM antibody test was also highly sensitive, with 96.7 percent positive results, but titers were lower (1:14), the antibody disappeared rapidly, and the test is very difficult to perform.

The beef hemolysin test yielded only 85 percent positive results, the titer was 1:152, and antibody persisted about 3 months, but this test, under slightly different standards would probably show better results, the scientists said.

The sheep red blood cell test performed least satisfactorily, with only 80 percent diagnostic titers, a mean titer of 1:224, and very short persistence.

The scientists recommended its replacement by the horse red blood cell test for sensitivity and persistence, and the beef hemolysin test for specificity.

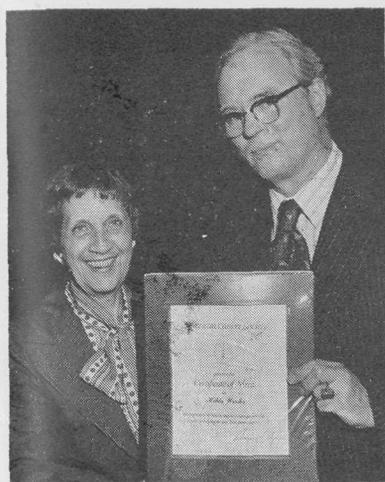
Dr. Alfred S. Evans, Dr. James C. Niederman, Linda C. Cenabre, Bernice West, and Virginia A. Richards reported their findings in the November 1975 *Journal of Infectious Diseases*.



Dr. Sheldon G. Cohen, chief of the Allergy and Immunology Branch, NIAID, received an honorary doctor of science degree May 30 from Wilkes College, Wilkes-Barre, Pa. A former professor at the College, Dr. Cohen was honored for his contributions to medical research and teaching.

Dr. Talbot Speaks on DNA

On May 28, Dr. Bernard Talbot, special assistant for Intramural Affairs, OD, spoke on Principles of Recombining DNA Molecules at a general session on Genetic Engineering during the 11th Annual Meeting of the Professional Association of the U.S. Public Health Service, held in New Orleans, May 26-29.



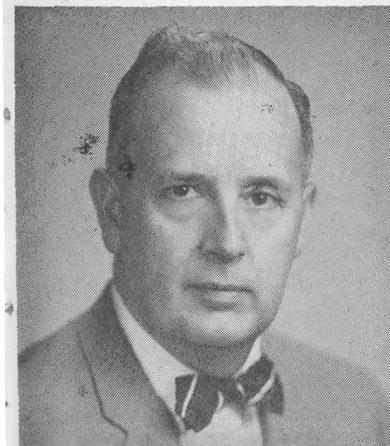
Hilda Wexler, National Cancer Institute biologist, is congratulated by Frank H. Weitzel, a trustee of the American Cancer Society, Washington, D.C. Division, upon receiving an award for volunteer service to the Society's Uterine Cancer Task Force. The Certificate of Merit was presented at the May 13 ACS annual meeting.

Dr. V. T. DeVita Receives Langer Award in Chicago

On June 6, Dr. Vincent T. DeVita, Jr., director of NCI's Division of Cancer Treatment, received the 1976 Esther Langer award, presented by the Ann Langer Cancer Research Foundation, a volunteer group affiliated with the University of Chicago Cancer Research Foundation.

The monetary award is presented annually to a distinguished cancer research scientist.

Dr. DeVita frequently has been cited for his accomplishments in the therapy of Hodgkin's disease and non-Hodgkin's lymphomas. His laboratory research has concentrated on the effects of anticancer drugs on growth rates of human cancer cells.



Dr. Herman F. Kraybill, scientific coordinator for Environmental Carcinogenesis in NCI's Division of Cancer Cause and Prevention, recently received the 1976 Alumni Citation from Franklin and Marshall College. Each year this award is presented to one alumnus who has distinguished himself.

NCI Issues 2nd Report In Series on Findings From Bioassay of TCE

Trichloroethylene (TCE), a chlorinated hydrocarbon, caused a form of liver cancer in mice, whereas rats tested with the same chemical failed to show a significant cancer response, according to Carcinogenesis Technical Report No. 2, *Carcinogenesis Bioassay of Trichloroethylene*, issued by the National Cancer Institute.

The tests were part of a continuing NCI bioassay program to screen chemicals for cancer-causing activity in animals under standard test conditions. (See the *NIH Record*, May 18, 1976, page 2.)

Alternatives Questioned

The Institute also issued a statement of concern regarding substitution of alternative chemicals in manufacture and usage.

Trichloroethylene, also called trichloroethene, is one of a series of chlorinated hydrocarbons selected for carcinogenicity bioassay. TCE was included in this group because its chemical structure is similar to that of known or suspected carcinogens, and because of the extent of human exposure to it.

Trichloroethylene is used in the United States mainly as a degreasing solvent for machine parts. It also has been used in industrial drycleaning and extraction processes, manufacture of other chemical products, retail cleaning products, extraction of caffeine from coffee, and as an anesthetic.

In male mice given high doses of TCE by stomach tube, 64.5 percent (31 of 48) developed cancers of the liver, hepatocellular carcinoma.

In low dose male mice, 52 percent (26 of 50) had liver cancer. Only 5 to 6 percent of male control mice developed liver cancer.

Female mice given doses of TCE developed liver cancer in 23 percent (11 of 47) of the animals. Eight percent of low dose female mice developed the cancer. Only one hepatocellular carcinoma occurred among 80 female control mice.

Rat Strain Differs

The lack of cancer response in rats may be attributed in part to the strain of rat used in the tests, NCI scientists said.

This rat strain, the Osborne-Mendel, is resistant to cancer induction by some chemicals, as was shown in a simultaneous test with carbon tetrachloride, a recognized animal carcinogen.

Despite this species difference in cancer response, the NCI Report concluded that the TCE test clearly showed the compound induced hepatocellular carcinoma in mice.

The findings are considered definitive for animal studies and serve as a warning of possible carcinogenicity in humans. However, the extent of possible human

Past, Present, Future Problems Discussed At Symposium on Toxicology Information

Over 500 representatives of industry, the academic community, and State and Federal Governments gathered in the Masur Auditorium May 27-28 to exchange news and views concerning collection, management, and use of toxicological information.

The Toxicology Information Subcommittee of the DHEW Committee to Coordinate Toxicology and Related Programs sponsored this Symposium on the Handling of Toxicology Information, commemorating the 10th anniversary of the President's Science Advisory Committee Report on this topic.

Dr. Henry M. Kissman, associate director for Specialized Information Services, National Library of Medicine, and chairman of the Subcommittee, indicated the importance of the 10-year-old Report.

First, he pointed out, it resulted in action, and secondly, its analysis and recommendations profoundly influenced toxicology and related information systems.

Dr. George J. Cosmides, deputy associate director, SIS, NLM, described the Library's Toxicology Information Program, established in 1967 as a result of the PSAC Report.

Concerns Change

He noted that in 1966 the potential adverse effects of drugs caused much concern, while society is now more concerned with the biological effects—long term as well as acute—of new and not-so-new chemicals to which man and his environment are exposed.

Drs. Cosmides and Kissman also described NLM's current information services, including TOXLINE, CHEMLINE, CANCERLINE, and the Toxicology Data Bank.

Dr. David P. Rall, Director of the National Institute of Environmental Health Sciences, reviewed

risk cannot be predicted reliably on the basis of these studies alone.

The NCI statement of concern regarding substitution of chemicals urges that alternative compounds in manufacture or usage should be evaluated adequately from a toxicological standpoint before they are used to replace a product found to be carcinogenic in a bioassay.

Alternatives for TCE, either proposed or already in use, include methyl chloroform, perchloroethylene, and methylene chloride. Investigations of these compounds are under way.

NCI views such substitutions with caution while their potential hazards remain unknown.

In addition to the bioassays, epidemiologic studies are needed to assess the effects of these solvents on humans.

Copies of Carcinogenesis Technical Report No. 2 on the bioassay of TCE (DHEW Publication No. (NIH) 76-802) are available for \$3.30 from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

the history of the DHEW Toxicology Committee, established in July 1973, which he chairs.

The Committee sponsors major projects including the Laboratory Animal Data Bank, the Toxicology Data and Document Depository, and the Toxicology Project Information System which provides quarterly directories of research-in-progress.

At its open meetings, announced in the *Federal Register*, Dr. Rall stated, the Committee considers topics such as the proper way to study the toxicity of orally ingested asbestos, and the significance of mutagenicity tests.

William T. Knox, Director of the National Technical Information Service, pointed out the need for better toxicological information in public policy debates, and Col. Andre A. Aines of the National Science Foundation emphasized the trend toward mechanization in current information handling.

Participants on several panels represented the U.S. Environmental Protection Agency, the National Naval Medical Center, the National Research Council, Chemical Abstracts Service, the Oak Ridge National Laboratory, the Consumer Product Safety Commission, Boston University School of Medicine, National Institute of Occupational Safety and Health, NCI, NIEHS, and NLM.

Another panel considered the impact of the Freedom of Informa-



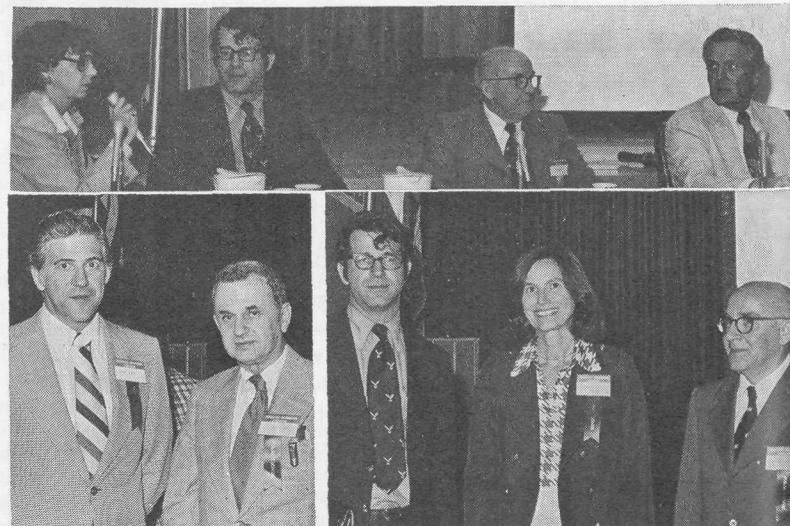
Frank Lynn (l), host of "A.M. Miami" on ABC Television, interviewed Dr. Harold P. Roth of NIAMDD during Digestive Disease Week, May 24-28. Dr. Roth discussed Federally-funded research in digestive diseases and some common myths about gastrointestinal disorders.

tion Act and the Toxic Substance Control Act on information handling.

Additional panel topics included Early Warning by Dr. Farley Fisher of EPA, Epidemiological Data by Dr. Marvin A. Schneiderman of NCI, and Manpower Resources by Dr. Paul B. Hammond, University of Cincinnati Medical Center.

The final panel, "Will the problems of the past and the present help predict solutions for the information needs of 1976-1986?" included Mr. Knox, NTIS, Davis B. McCarn, NLM, Dr. Warren Muir, Council on Environmental Quality, and Dr. Rosa Gryder, Food and Drug Administration.

The *Proceedings* of this Symposium will be made available to all registrants in approximately 6 months. Others wishing to obtain the published *Proceedings* may contact Dr. Cosmides at NLM.



Unmet Information Needs for Special User Groups were discussed by I to r, above: Judith Randal of the "New York Daily News," Dr. Sidney M. Wolfe of Public Citizens Health Research Group, Dr. Leon Golberg of the Chemical Industry Institute of Toxicology, and Robert L. Chartrand of the Library of Congress. Below l: Drs. Cosmides and Kissman of NLM chaired the Symposium. Below r: Dr. Wolfe, Dr. Marilyn C. Bracken of the Consumer Product Safety Commission, and Dr. Golberg meet informally during a break.