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Dr. Niswander Named Chief of the NIDR's Human Genetics Branch

Appointment of Dr. Jerry D. Niswander as Chief of the Human Genetics Branch, has been announced by Dr. S. J. Kreshover, Director of the National Institute of Dental Research. He replaces Dr. Carl J. Witkop Jr., who recently retired from the Public Health Service.

In his new position, Dr. Niswander will plan and direct the Institute's research studies on genetic mechanisms, genetic diseases, and normative inherited traits of man as they relate, in particular, to the oral structures.

In his 12-year career with the Dental Institute, he has been especially recognized for his genetics studies of inbred and primitive populations. A major portion of his research concerns gross oral facial malformations (primarily cleft lip and palate) and is directed at the establishment of environmental and biological correlates of these defects, more meaningful genetic classifications, and any specific genetic and environmental mechanisms.

Dr. Niswander has played a major role in the study of the genetic mechanisms of oral structures. (See DR. NISWANDER, Page 7)

Does Socio-Economic Status Influence Occurrence of Respiratory Disease?

Does socio-economic status influence the occurrence of respiratory disease? Scientists at the National Institutes of Health and the University of North Carolina believe it. A study at the University will test that and other related hypotheses.

Under a Public Health Service contract between the National Institute of Allergy and Infectious Diseases' Vaccine Development Branch, and the University of North Carolina, Dr. Floyd W. Denny of the UNC Medical School's Department of Pediatrics heads the research team.

The scientists are studying the occurrence, causes, and prevention of acute respiratory diseases in children with different educational

Humphrey Sees Research Triangle Park, Praises Research Facilities of DEHS



Among those present at the breakfast given recently for Vice President Hubert H. Humphrey at Research Triangle Park, N.C., were, from left: Sen. Everett Jordan of North Carolina; Ned Huffman, Executive Vice President of Research Triangle Park; Dan K. Moore, Governor of North Carolina; Vice President Humphrey; Dr. Douglas Knight, Chancellor of Duke University; Oscar Ewing, former head of the Federal Security Agency; Dr. John Caldwell, Chancellor of North Carolina State University; Akers Moore, President of Triangle Service Center, and Sen. Sam Ervin of North Carolina.

Vice President Hubert H. Humphrey visited Research Triangle Park, N. C., home of NIH's Division of Environmental Health Sciences, on March 1.

He addressed more than 100 representatives of the owners and tenants of the Park, and business and university leaders of Raleigh, Durham and Chapel Hill, who honored him at a breakfast, Southern style, complete with grits and gravy.

The Vice President said that the great Research Triangle symbo-

lizes a team effort of the government, universities and private industry, and that each needs the counsel and support of the others.

He congratulated those who had the foresight to bring about the Triangle and predicted it would be the magnet of the North Carolina of tomorrow.

Mr. Humphrey endorsed the widespread interest and activity he had observed in environmental health matters.

He said, "We're all children of the solar system, and it's only right that we know about the home in which we live."

He cited as an example of the government's investment in this field the National Environmental Health Sciences Center in the Research Triangle.

On concluding his address, he left the company of academic, industrial and political dignitaries at the speaker's table and, in a surprise move, went from table to table shaking the hand of each guest attending the Vice Presiden-

(See RESPIRATORY, Page 4)

(See HUMPHREY, Page 6)

Dr. Zelen and Dr. Weiss Are Honored Jointly by Wash. Academy of Sci.

Dr. Marvin Zelen, Head of the Mathematical Statistics and Applied Mathematics Section of the National Cancer Institute's Biometry Branch, and Dr. George Weiss, Chief of the Physical Sciences Laboratory, Division of Computer Research and Technology are the joint recipients of the Washington Academy of Science's 1966 Award for Scientific Achievement in Mathematics.

Award Honors Scientists

The award annually honors outstanding scientists of the Washington area. At the Academy's award dinner Jan. 19, Drs. Zelen and Weiss were cited "for fruitful and ingenious research in applying mathematical models to the biomedical and physical sciences."

Drs. Zelen and Weiss worked jointly, as well as individually and with other scientists, on developing mathematical explanations of natural phenomena.

Models Contributed

Among their contributions are models relating to the destruction of animal tumors with laser energy and the circulation of white blood cells in chronic myelocytic leukemia patients.

They have also applied mathematical and statistical interpretations to the study of breast cancer and acute leukemia in animals and man.

Both men have distinguished research records. Dr. Zelen has contributed to the mathematical theory of stochastic processes.

(See ZELLEN AND WEISS, Page 5)

Shannon Joins Committee on The National Medal of Science

Dr. James A. Shannon, Director of NIH, recently received a commission from President Johnson to become a member of the President's Committee on the National Medal of Science for a 3-year term, ending Dec. 31, 1969.

The invitation to join the Committee, which Dr. Shannon has accepted, came from Dr. Robert W. Johnston, Executive Secretary of the Committee.

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The NIH Record reserves the right to make corrections, changes or deletions in submitted copy in conformity with the policy of the paper and the Department of Health, Education, and Welfare.

NEWS from PERSONNEL

RETIREMENT

Cont. from Mar. 7th.

The first of a 4-part series on the subject of retirement appeared in the last issue of the *NIH Record*. This is the second checklist that you may want to clip out and use to make an inventory of your assets.

Do you own any real property, such as land or interests in land and houses? Did you acquire it through inheritance, purchase, gift or otherwise? Are there any unpaid taxes owed by a former owner, or inheritance, estate, or gift taxes due as the result of its transfer to you?

Do you have deeds or other documents to show that you have clear title to the property, and how is title held: Individually, tenancy in common, or otherwise?

Questions Asked

If you purchased it, do you have the settlement sheet? Do you have a survey of each property and do you know where the lines and corners are? What is the current assessment for tax purposes? Is it subject to zoning or other building restrictions and, if so, what are the restrictions?

Are there any mortgages or other liens on it? Is any construction planned or in progress? Do you have records to prove original cost and cost of improvements for tax purposes? Is it properly covered by insurance for fire, casualty and liability?

In the area of personal property, what stocks, bonds, notes or other securities do you own? What did they cost? Can you substantiate the cost by records?

Are you following up to see that

all interest and dividend payments are made when due and that proper action is taken in case of default? Are they held in your name or jointly with another or others? Where are they kept? What checking and savings accounts do you have and in whose names?

If you own an automobile, how is title held? If it is subject to time payments, are they current? Is auto insurance carried in the same name as the car? (Raise similar question about any boats or airplanes that you own.)

Do you have a safety deposit box in a bank vault? If so, in whose name is it held? In case of your disability or death, could someone get into it without undue difficulty?

Cont. April 14th.

ANNUAL PERFORMANCE RATINGS

In April of each year, cards are distributed to supervisors for recording a performance rating for their employees. This card is required to document the continuous performance evaluation which has occurred during the previous year.

There are three levels of Performance Rating — Outstanding, Satisfactory and Unsatisfactory.

Most Employees 'Satisfactory'

Most employees will fall in the "Satisfactory" category even though some may be barely meeting the job requirements. The performance of others, however, may exceed the requirements.

The Performance Rating Act of 1950 requires that an Outstanding Rating can be given only when all aspects of performance, not only exceed normal requirements but also are outstanding and deserving of special commendation.

Employees who may not meet the exacting criteria for an Outstanding Performance Rating but whose performance merits recognition, can be recommended for a Quality



Marjorie Webster Junior College students and their teacher, Louise Shaw, pause in the CC lobby during a recent visit to have their picture taken with Robert L. Schultheis (center), Assistant Chief, Personnel Management Branch of NIH. Prior to a tour of NIH, they were welcomed by Mr. Schultheis, saw a film describing NIH activities, and heard John D. Ewan, PMB College Relations Officer, discuss employment opportunities.—Photo by Ed Hubbard.

NIH Employees Reminded of Files Improvement Course

The Management Policy Branch, Office of Administrative Management, reminds NIH employees of the files improvement course being offered here in mid-April by the General Services Administration.

This workshop consists of 4 half-day sessions, all in one week, for NIH employees at any grade level responsible for organizing, arranging or maintaining official files.

The workshop will demonstrate principles and practices for solving filing problems. For further information employees may contact their I/D Personnel Officers.

Increase or an Incentive Award, either at the time of the annual performance rating or at any other time during the year. Special procedures, outlined in Chapter V of the "Personnel Guides for Supervisors," must be followed in recommending either an Outstanding or an Unsatisfactory rating.

For supervisors continuously evaluating their employees' performance, the assigning of an adjective rating is merely the recording of their past observations and discussions. But for those who have not done so, the rating process should mark a beginning—an opportunity to clear the air, to communicate with subordinates, and to move ahead toward better supervisory practices.

GOOD FRIDAY

Supervisors are reminded that DHEW regulations and the "Personnel Guides for Supervisors" encourage leave-approving officials to be liberal in granting leave to employees for observance of Good Friday and other religious holidays, unless their absences will interfere considerably with normal work requirements.

Strike Affects Elevator Repair and Construction

As a result of the current elevator strike, work on elevator repair, alterations, and new construction at NIH has been interrupted.

The Plant Engineering Branch, Division of Research Services, has announced that limited maintenance service is being provided for Bldgs. 10 and 31 by supervisory personnel of the elevator companies. Repairs or alterations of elevators in Bldgs. 1 and 10 have been interrupted, and new construction in Bldgs. 36 and 37 has been affected.

The strike of the International Union of Elevator Constructors against the National Elevator Manufacturing Industry is now in its 7th week.

Trades Council Selects Shop Stewards at PEB

The Washington Area Metal Trades Council recently announced the selection of Shop Stewards for areas where the organization has exclusive recognition.

The Shop Stewards and the affiliated unions they represent in the Plant Engineering Branch, Shops Section, DRS, are as follows:

Adelbert Kingman, Sheet Metal Workers International Association, Local 444; Marvin Bede and Carl S. Farmer, United Association of Journeymen and Apprentices of the Plumbing and Pipefitting Industry of the United States and Canada, Local 509; Harry B. Jewell, Brotherhood of Painters, Decorators and Paperhangers of America, Local 1632, and Donald Spence, International Brotherhood of Electrical Workers, Local 27.

Additionally Sype S. Pointer has been named to represent the L.I.U., Local 960, in the Grounds Maintenance and Landscaping Section of DRS.

The Young At Heart

Fourth of a Series

By Louis Cook

"Go! Army!" appropriately fits NHI's newest Information Intern. Daughter of a retired Army Colonel, Katie Broberg, at 22, has already traveled more miles than many will cover in a lifetime.

Dad's army career, which started at West Point, kept his family on the move for more than 21 years.

To Katie, home has been army posts all over the United States, including Alaska and Hawaii, Europe and other less exotic locations.

She did manage a 4-year stay at Dickinson College in Carlisle, Pa., where she received her B.S. in biology in 1966. During her senior year, she decided to seek out a career as a science writer.

Sees NIH Brochure

While investigating possibilities at the Dickinson placement office, she came across a brochure issued by NIH that described its Information Intern Program. The Program, providing on-the-job training in public information, is available for selected college graduates with academic backgrounds in science and journalism.

It was just what Katie wanted, and spring vacation afforded her the chance to visit NIH and to apply for the program. After several additional trips to NIH for interviews and an extended period of waiting while the procurement apparatus forged ahead with its usual blazing speed, she decided to go Navy by accepting a position with one of the naval laboratories.

Her employment at the naval laboratory ended before it began. On the very day that Katie was to report for work, the Information Intern Program came on like Frank Merriwell to save the day, adding another bright, young aspiring writer to its group of trainees.

Interns Rotate

Interns rotate through NIH's information offices, spending four to eight weeks in each assignment. Katie has now completed six months of the one-year training program. During this interim she has had assignments with ORI, CC, DRS, NCI, DRMP and NHI.

In discussing benefits she has derived from the training program, Miss Broberg had this to say:

"I gained insight into each Institute's information procedures, a broader understanding of NIH's wide scope of activities and policies, and valuable experience working in the 'press room' during the

(See YOUNG, Page 6)

NIAID Briefs Nation's Science Writers on Developments in Organ Transplantation

A young flutist whose damaged finger was restored to usefulness through the gift of a tendon from a 60-year-old donor was among the transplantation case histories recounted for science writers during a recent seminar co-sponsored by the National Institute of Allergy and Infectious Diseases' Transplantation Immunology Branch and Duke University.

The seminar, held at Duke Feb. 27-28, featured lectures by some 17 scientists in the fields of transplantation and immunology, including Dr. John R. Overman, Associate Director for Collaborative Research, NIAID.

Science writers from 12 major magazines and newspapers learned of recent developments in organ transplantation, and heard discussion of the psychiatric, moral, and ethical aspects of transplantation.

Tissue Graft Described

Dr. E. E. Peacock, Professor of Surgery at the University of North Carolina, described a composite tissue graft, in which the tendon within its fibrous sheath was transplanted as a unit from the hand of a woman to the right little finger of a 14-year-old girl. With the transplant, he said, the girl can again play the flute normally.

Dr. Peacock pointed to the nerves, which have only a 10 percent survival rate because of the difficulty of reconnecting them, as the biggest single problem in transplantation of limbs and tendons. Like bone, he said, tendons are homostatic grafts, which can do their job whether or not the cells remain alive and can easily be stored for use when needed.

Because skin is the most difficult tissue to keep alive after transplantation, and because loss of an



Patricia Gabbett receives from Guy W. Moore her certificate for completion of the 12-month NIH Information Intern Program. Mr. Moore, Chief of the Public Information Section of ORI, was Mrs. Gabbett's counselor throughout her training program. She is the twenty-third to complete the program since it was begun in 1958.—Photo by Tom Joy.

extremity is not life-threatening, few of these operations are done, according to the scientist. He reported completion of 14 transplants.

Program Explained

Dr. Overman spoke of the collaborative international effort on tissue typing and explained the NIAID collaborative program. Dr. Dorland J. Davis, Director of NIAID, outlined the grant support extended by the NIAID to investigators in the fields of transplantation and immunology.

Techniques of transplanting kidneys, marrow, and liver were also explained during the session. The lecturers, most of whom were contractors in the NIAID collaborative program, described the roles of dialysis and transplantation in the management of chronic kidney failure and reported information derived from the analysis of more than 1,200 kidney transplants recorded in the "Human Transplant Register," kept at Peter Bent Brigham Hospital in Boston and supported by NIAID.

Tissue Typing Discussed

Dr. Paul Terasaki of the University of California, Los Angeles, reported on the state of the art in tissue typing of donors and recipients of kidneys. The still-high percentage of kidney transplant failure in the first six months (30 percent of donor-recipient pairs matched with current experimental tests fail) indicates that at present tissue typing partially overcomes the problem of kidney graft rejection by the recipient's body, he said.

Dr. Kenneth Seli, Director of the Naval Medical Research Institute tissue bank at Bethesda, stressed the need for an organ preservation and storage system and described methods of preservation now being studied, such as cooling, pressure, and organ perfusion.

Dr. Thomas Explains Techniques

Dr. E. D. Thomas of the University of Washington explained cross-circulation techniques, which interconnect the blood flow of two animals or persons as a method of sustaining the function of damaged or diseased livers or kidneys.

Dr. D. Bernard Amos of Duke University, Chairman of the NIAID Committee on Tissue and Organ Transplantation, discussed proposed regional clinical centers for dialysis, tissue typing and transplantation, whose activities would yield information on the

Robert Schreiber Named Information Officer in Charge of NIAID News

The National Institute of Allergy and Infectious Diseases has a new Information Officer. He is Robert L. Schreiber whose appointment was announced recently by Dr. Dorland J. Davis, Institute Director.



Mr. Schreiber

A veteran public relations officer, Mr. Schreiber was Assistant Information Officer of the National Institute of Neurological Diseases and Blindness before taking his new post. He succeeds Harold Wolfe who recently joined the information staff of the Division of Regional Medical Programs.

Career Noted

Mr. Schreiber's wide-ranging career in public information includes experience as a reporter-photographer for the Enid, Okla., newspapers; establishment of the public relations and information program of the University of Oklahoma Medical Center; four years as public relations representative at the University of Pittsburgh Health Center, where he co-produced medical television programs over KDKA-TV in addition to being responsible for news releases, publications, speeches and special projects.

In 1962 he joined the NINDB staff, where he helped initiate its formal public information program for the extramural division, working with grantee officials, the press, radio and TV, and professional and lay groups on the NINDB grants program accomplishments and goals.

A native of Cleveland, Ohio, he received A.B. and M.A. degrees from the University of Oklahoma. He is a member of Phi Beta Kappa, Kappa Tau Alpha, the journalism honorary society, and of Sigma Delta Chi, professional journalism society.

value of tissue typing in selecting kidney donors and recipients.

Science writers attending the seminar included Harold Schmeck, New York Times; Harry Nelson, Los Angeles Times; Gilbert Cant, Time; Matt Clark, Newsweek; Don Kirkman, Scripps-Howard Newspaper Alliance; Frank Carey, Associated Press; Steven Spencer, Saturday Evening Post; Nate Haseltine, Washington Post; Judith Randall, Newhouse Publications; Beverly Orndorff, Richmond (Va.) Times-Dispatch; David S. Greene, Greensboro (N.C.) Daily News, and Robert Conn, Charlotte (N.C.) Observer.

RESPIRATORY

(Continued from Page 1)

illness in children from the lower groups.

- That infections with herpes-virus hominis may produce respiratory illness. (Although the virus is frequently isolated, its role in respiratory diseases has not been established.)

- That mycoplasma species other than *M. pneumoniae* may cause acute respiratory illnesses in children.

Scientists Test Effectiveness

In addition to assessing these and other observations about disease occurrence, the scientists will test the effectiveness of new vaccines as they become available. The NIAID Vaccine Development Branch, through contracts with universities, drug firms, and commercial laboratories, is currently working to develop vaccines against *M. pneumoniae*, RS, adenovirus 4, parainfluenza types 1, 2, and 3, and other respiratory viruses, as well as the rubella (German measles) virus.

Three separate groups of children—classified according to the parents' education and the income of the family breadwinner—will be studied simultaneously.

Groups Described

Patients to be included will be children in the family care program of the University of North Carolina Department of Preventive Medicine, which will be expanded to include some 800 persons in 180 households receiving support from the county welfare department.

The second group in the study draws patients from the Day Care Center and Learning Laboratory of the UNC Child Development Center. Infants are enrolled at birth and enter the program at about 6 weeks of age. In 1968 the program is to be enlarged from the present 20 children to about 240 youngsters, who will be followed through the sixth grade.

The third group comprises patients from a private pediatric clinic whose three physicians are cooperating in the study.

Respiratory Diseases Important

Respiratory tract diseases assume major importance when they strike the young. Parainfluenza virus types 1, 2, and 3 cause about one-fifth of such illnesses serious enough to require hospitalization of infants and young children.

RS virus is believed by many investigators to be the most significant virus, in terms of occurrence and fatality rate, for infants under 6 months old. It has been shown to be the agent of lower respiratory disease in about 19 percent of children tested in various parts of the world.

M. pneumoniae is probably the most important cause of pneumonia

'Bill' Sanders to Head NHI Information; George Bragaw Is HIC Press Officer

Appointments of William E. "Bill" Sanders as Chief of the Heart Information Center and George Bragaw Jr. as HIC Press Officer were announced recently by Dr. Donald S. Fredrickson, Director of the National Heart Institute.

Mr. Sanders, 35, had been Acting Chief since September when Lealon E. Martin left the Heart Institute to join the National Institute of Mental Health.

As Chief of Heart Information Center, Mr. Sanders will be the principal advisor to the Director, NHI, and members of the Institute staff on information and educational activities.

He will direct a broadly based program of public and professional education in the area of cardiovascular diseases as directed by Congress.

HIC Is Focal Point

Through press releases, pamphlets, speeches, exhibits, TV-radio and other media, the Heart Information Center serves as the focal point for distribution of the latest information on research accomplishments by both Institute intramural and grantee investigators.

Mr. Sanders joined the staff of the Heart Information Center in 1958, following five years of service in the Navy. While in the Navy, he was Head of the English Department and was responsible for the development of this department's curriculum at Navy Prep, Bainbridge, Md.

This school offers an intensified preparatory program for naval enlisted men bent on entering the U.S. Naval Academy.

He also served as an anti-aircraft director officer aboard the light cruiser U.S.S. Manchester, seeing service with the 7th Fleet in the Orient during the Korean conflict.

A native of Shelby, N.C., Mr. Sanders received his A.B. degree from Duke University, Durham, N.C., in 1953. He is a member of Delta Sigma Phi.

Mr. Bragaw, formerly a science

in normal school-age children. This agent has been isolated from about half the cases of pneumonia in the 5-14 age group.

The overall aim of the study is to establish more clearly the viruses, bacteria, and mycoplasma most often associated with respiratory infections of children, and to determine the age and socio-economic groups in which they occur and in which vaccines would be most valuable.

The study, it is hoped, will yield specific data on which future vaccine development efforts by the NIAID will be based.



Mr. Sanders

writer in the Information Center, will assume new responsibilities as the focal point within NHI in planning and conducting press and public information activities.

Mr. Bragaw is a graduate of the NIH Information Intern Program (1959-1960). He joined the NIAMD information staff in 1960 and moved to NHI in 1963.

Prior to this, Mr. Bragaw was Sports Editor of the "Montgomery County Sentinel" and a sports reporter with the "Washington Evening Star." In addition, he served as a combat correspondent with the U.S. Marine Corps in the Korean conflict. Previously, he was a laboratory technician with the then Kidney and Electrolyte Section, NHI.

Bragaw Born in Georgia

Born in Augusta, Ga., he is the son of a PHS and Veterans' Administration psychiatrist. He studied at Fairfield (Conn.) University and graduated with an A.B. degree from the University of Maryland. He also did graduate study at American University and George Washington University.

Mr. Bragaw's hobby is raising Labrador Retrievers. Recently he was elected President of the Carroll Kennel Club.

NCI Booklet Describes Factors Affecting Risk Of Developing Cancer

Environmental and personal factors that affect the risk of developing cancer are described in a 21-page booklet, "Cancer Questions," issued by the Public Health Service. It was prepared for public use by the National Cancer Institute.

The booklet discusses age, sex and urban-rural differences in cancer incidence, the "clustering" of cancer cases in families, death rates for married and single persons, and cancer incidence among various socioeconomic groups.

Dietary and occupational factors related to certain forms of cancer are also considered.

Cancer is described as a major cause of death, second only to accidents, among children 2 to 14 years old.

Among adult females cancers of the breast, colon and uterus are the leading fatal cancers; among men they are cancers of the lung, stomach and prostate gland.

"Cancer Questions" is based on a more technical publication, "Cancer Rates and Risks," (PHS Pub-

Have a Cold the First Day Of Spring? Lab Continues To Need More Volunteers

If the coming of spring finds you with a cold, you are reminded that the NIAID's Laboratory of Infectious Diseases continues to need volunteers for its study to combat the "common" cold.

Employees with colds are urged to contribute samplings of nasal secretions plus 2 blood samples, one at the start of the illness and one 3 weeks later. Participants receive \$2 for each blood sample.

Appointments may be made by calling Sara Kelly or Harvey James, Ext. 65811, preferably within the first 3 days of infection.

If possible, employees are requested to schedule appointments in the morning to give investigators ample time for processing.



James B. Davis, Chief, Supply Management Branch, OAM-OD (left) presents an employe suggestion award to David S. Smith, Head of SMB's Material Handling Sub-Unit. Mr. Smith was awarded \$100 for developing a special nesting rack enabling fork lift trucks to be utilized in delivery of supplies from the warehouse to NIH users.—Photo by Ralph Fernandez.

lication No. 1148) by John C. Bailar, 3rd, M.D.; Haitung King, Ph.D., and Marie Joy Mason, M.D. of the Demography Section of the Biometry Branch, NCI.

Single copies of "Cancer Questions" (PHS Publication No. 1514) are available without charge from the Public Health Service, Washington, D.C. 20201. The booklet may be bought in quantity from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402, at 20 cents a copy.

Since massive medical programs were begun in the wake of the first Heart Fund Campaign, there has been a decline of about 15 percent in the heart disease death rate among persons below age of 65.

DRG Booklet Tabulates PHS Grants, Awards, FY '66 Funds, Part I

Publication of "Part I, Public Health Service Grants and Awards, Fiscal Year 1966 Funds" (PHS Publication No. 1564), issued by the Division of Research Grants, was announced recently by the Public Health Service.

The new booklet is one of a 5-part series brought out annually to list current PHS support of medical research, research training and construction of research facilities.

Grant Total Increases

Part I gives details on the nature, distribution, and individual amounts of 16,548 research grants awarded during FY 1966.

Funds awarded for this fiscal year period total \$654,549,319, compared with a total of \$574,029,212 awarded for 16,372 PHS research grants during FY 1965.

Grants in FY 1966 were made to 1,281 institutions in the United States and 328 institutions in 50 other countries. During FY 1965, grants were made to 1,287 institutions in the U.S., and 339 institutions in 47 other countries.

Other parts of the series on FY 1966 funds to be published soon will list awards for research training (Part II); all construction grants except those for waste treatment works (Part III); and health services formula and project grants (Part IV). Part V presents summary tables covering the data offered in Parts I through IV.

Two DRS Employees Win Cash Awards for Ideas

Two Division of Research Services employees recently received cash awards for submitting original ideas through the Employee Suggestion Awards (ESA) Program.

Carl E. Layton of the DRS Laboratory Aids Branch was awarded \$50 for suggesting a more efficient means of washing animal food pans at the NIH Animal Center, Poolesville, Md. Mr. Layton is an animal caretaker at the Center. His suggestion will save the Division approximately \$1,095 per year.

The other employee who received an award is Joseph D. Beavers of the DRS Plant Engineering Branch. Mr. Beavers, an electrician in the Shops Section of PEB, was awarded \$15 for his suggestion concerning correction of a deficiency in the fire alarm system.

Messrs. Layton and Beavers are only two of many employees who have received cash awards through the ESA Program. Suggestions may be submitted on HEW form 170 to the employee's supervisor or his suggestion coordinator.



Hugh Jackson (right), Staff Assistant for Features, Office of Research Information, receives a Sustained Superior Performance Award from Clifford F. Johnson, Chief of the ORI. The citation reads in part: "... Mr. Jackson has gone well beyond his assigned duties in helping NIH improve its relationships with not only the professional journals but also the information staffs of grantee institutions, deans and other officials of medical schools and editors of general interest magazines."—Photo by Tom Joy.

Dental Research and Training Centers Being Developed on Interdisciplinary Base

To stem the rising tide of dental and other oral diseases, a new program of grant support for the planning and development of dental research institutes or centers was announced recently by Surg. Gen. William H. Stewart.

Approximately \$3 billion now is being spent annually for dental treatment by a small segment of the population, Dr. Stewart said.

Total annual cost for dental treatment might be in the range of \$20 to \$25 billion for the first year if all individuals requiring treatment were to receive it.

The first grant by the National Institute of Dental Research for the planning of a research center is being awarded to the University of Washington, Seattle.

Cooperative Effort Planned

As contrasted with the long-established program of support for individual research projects, the new program encourages institutions to develop research and training centers on a broad interdisciplinary base designed to bring the total university resources of clinical, basic and life sciences together.

Thus, scientists of many disciplines would pool their skills and knowledge in a unified effort to solve oral health problems.

170 Give Blood in February

The Clinical Center Blood Bank reports that 170 units of blood were received from NIH donors in February. During the same period CC patients received 2,100 units of blood.

Donald Cyphers Named NIAMD Budget Officer

The National Institute of Arthritis and Metabolic Diseases has announced the appointment of Donald F. Cyphers as Budget Officer, effective March 13.

Mr. Cyphers comes to NIAMD from the National Institute of Allergy and Infectious Diseases, where he was Assistant Administrative Officer for Collaborative Research. Prior to that he was Assistant Budget Officer at NIAID for three years.



Mr. Cyphers

Mr. Cyphers joined the National Institutes of Health in 1961 under the Management Intern Program for a year of specialized training in various administrative fields. Part of this period was spent in NIAMD's Extramural Programs.

He majored in government at Cornell University, receiving a B.A. in 1956.

Mr. Cyphers will fill the post formerly held by Donald F. Brown, who accepted an executive position with a local furniture concern. Mr. Brown had been with NIH since 1957 and had served as NIAMD Budget Officer since 1958.

ZELN AND WEISS

(Continued from Page 1)

of the planning and analysis of experiments, and his work on the "robustness of life" tests has stimulated important developments in the statistical theory of reliability.

Dr. Weiss has been active in the application of mathematical techniques to theories associated with the ultracentrifuge as well as the mathematical theory of the reliability of complex equipment.

Dr. Zelen came to the NCI from the University of Wisconsin's Mathematics Research Center in 1963. Earlier, he held posts at the National Bureau of Standards and the University of Maryland.

During 1965-1966, he was a Senior Fulbright Scholar in residence at the University of London. He received degrees of B.S. from the City College of New York, M.A. from the University of North Carolina, and Ph.D. from American University.

Before joining the DCRT, Dr. Weiss was a member of the staff of the Biometry Branch, NCI. He spent the year 1963-1964 at the Rockefeller Institute as an NIH Special Fellow. Dr. Weiss received an A.B. degree in physics from Columbia University and M.A. and Ph.D. degrees from the University of Maryland.

These coordinated efforts would greatly increase knowledge of the cause, prevention and improved treatment of oral diseases, according to Dr. Seymour J. Kreshover, Director of the NIDR.

Criteria Given

The criteria for establishment of these institutes, set forth by a special advisory committee, call for the focusing on oral health problems of the diversified resources of a research and educational complex. A wide variety of approaches in organizational arrangements is permitted.

In some instances, the resources of a single university may be used, whereas in others the proposed center may draw on resources available within a region.

Initial Grant Made

The University of Washington will receive \$252,905 for the first year to plan an interdisciplinary Research Center in Oral Biology. Expansion of its current research program would consider such areas as genetics, immunochemistry, and mineral metabolism. The graduate training program will also be further developed.

A number of other institutions are expected to plan, develop, and establish research centers with support under the new program, Dr. Kreshover indicated.

YOUNG

(Continued from Page 3)

first conference of the Division of Regional Medical Programs at the Washington Hilton Hotel.

"One of the most interesting was a 2-day trip to the PHS Hospital in Baltimore, to help cover a picture story for the "PHS World."

In the months ahead other assignments will follow, arranged with the guidance of her counselor, Elsie Fahrenthold, CC Information Officer.

At the end of the year Miss Broberg will be able to decide on the direction of her career, hopefully at NIH as an information specialist, writer-editor, or science writer—depending upon the position available.

Her only complaint now is, "My library of notebooks is increasing in size and weight, making it necessary for additional trips with each succeeding move."

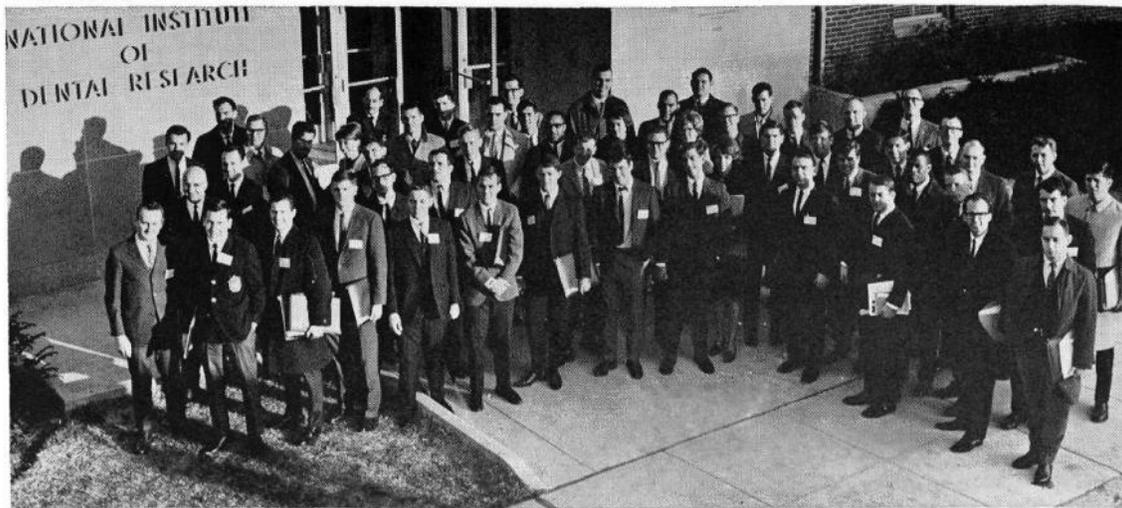
'Katie' Eats, Walks Fast

It appears that some of the training that Col. Broberg acquired at West Point has rubbed off on his daughter. At college, Katie was known for "eating and walking faster than anyone," and she still walks at a pace better suited to forced marches than to Easter parades.

But the Colonel and his lady are hard put to account for their daughter's fondness for horses. No horse lover is he; and his wife, though not hostile to the beasts, is allergic to them.

Not so, Katie, who loves riding and horse shows, and whose past equestrian activities have included fox hunting and training horses for the hunt. Not even a nasty fall from a skittish horse that resulted in a broken leg (Katie's) could dampen her enthusiasm.

After being in Washington for



Pictured here are the participants in the Third Dental Student Conference on Research, held recently in Washington, D.C., during their visit to the National Institute of Dental Research. A program and tour were arranged to acquaint the students with the Institute's research programs and to further their interest in a dental research career. Sponsored by the ADA Council on Dental Research, the Conference is supported by 53 participating dental schools in the United States and Canada and the Proctor & Gamble Co.—Photo by Ed Hubbard.

the past 6 months Katie exclaims, "At last I've found a home."

She has, in fact, found six of them; and is now contemplating moving to a seventh in a few months. It's an original approach to touring Washington, although it poses some logistics problems for those packing more than a toothbrush and a "38."

In between moves Katie has managed to take a course in Interpretative News Writing and Advanced Feature Writing at American University.

Katie's extracurricular interests include such cerebral topics as archeology, oceanography, zoology, history, art and Greek mythology. More athletic pursuits are horseback riding, water ballet, skiing and ice skating. Her numerous and varied activities keep her on the go—requiring a nimble mind and nimble feet.

Dr. Babbidge Named to DRFR Advisory Council

Dr. Homer D. Babbidge Jr., President of the University of Connecticut, at Storrs, was appointed to the National Advisory Council on Health Research Facilities for a 4-year term beginning July 1, it was announced recently by the Public Health Service.

The health research facilities program, administered by the Division of Research Facilities and Resources, has awarded 1,398 grants totaling more than \$406 million for building or remodeling health research facilities.

Dr. Babbidge received his B.A., M.A. and Ph.D. degrees from Yale University, New Haven, Conn. After serving on the Yale faculty and administrative staff, he was Special Assistant to the U.S. Commissioner of Education from 1955 to 1956, and Assistant to the Secretary of the DHEW from 1957 to 1958.

The following year he directed the program of financial assistance to higher education at HEW, and in 1959 was appointed Assistant Commissioner of the Division of Higher Education.

HUMPHREY

(Continued from Page 1)

tial breakfast.

He also shook hands with every employe in sight when he visited the National Environmental Health Sciences Center, and praised the research facilities.

With him at the head table were Mrs. Humphrey; North Carolina's Governor, Dan K. Moore and Mrs. Moore; the State's two Senators, Everett Jordan and Sam Ervin; Watts Hill Sr., President of the

New Manual Describes Recommended Aids for The Partially Sighted

"Recommended Aids for the Partially Sighted," a catalog based on data obtained in a 10-year research study supported by the National Institute of Neurological Diseases and Blindness, has been published by the National Society for the Prevention of Blindness.

This manual provides a systematic description and classification of useful optical and other aids for the partially sighted, with particular emphasis on non-spectacle reading aids.

To date, magnifiers of this type have not been used as widely as they might because of the lack of any consistent system for specification of their pertinent optical properties.

Testing equipment and procedures to aid in selection of the most suitable device for each patient also are described. Selection of the aids listed in the catalog was determined by evaluations made by prospective users.

This manual can be purchased from the National Society for the Prevention of Blindness, Inc., 16 East 40th Street, New York City, for \$1.

Research Triangle Foundation and Master of Ceremonies; Drs. John Caldwell and Douglas Knight, Chancellors of North Carolina State and Duke Universities; Oscar Ewing, former head of the Federal Security Agency; Akers Moore, President of the Triangle Service Center, and Dr. Kenneth Johnson, Director of Research, Chemstrand Research Center, Inc., host for the breakfast.



Katie Broberg (right), NIH Information Intern, interviews Janet Fitzwater, Chief of Surgical Nursing Service at the Clinical Center as part of one of her many assignments while on trainee duty with the Heart Information Center.—Photo by Ralph Fernandez.

More Volunteers Needed for NIAID Mononucleosis Study

NIH employes with acute infectious mononucleosis-like illnesses are urged to participate in a current study of these diseases by the Laboratory of Clinical Investigation, National Institute of Allergy and Infectious Diseases.

Participants in the study are offered full diagnostic evaluation and clinical care at the Clinical Center.

Appointments for evaluation may be made by calling Dr. John Lynch or Dr. Anthony DeMeo, Employee Health Service, Ext. 64411; Dr. Lawrence Chessin, Ext. 65047; Dr. Philip R. Glade, Ext. 65675; or NIAID Acting Clinical Director, Dr. Sheldon M. Wolff, Ext. 64963.

DR. NISWANDER

(Continued from Page 1)

major role in organizing and directing a large family study in collaboration with the Lancaster Cleft Palate Clinic, Lancaster, Pa.

He also has participated in the organization of a program with the Michigan State Department of Health to study mortality experience in children with oral clefts, and has designed and implemented a study of birth defects occurring in North American Indian infants.

In 1957 he participated in the Child Health Survey, conducted in Hiroshima and Nagasaki, Japan, under the sponsorship of the University of Michigan and the National Academy of Sciences. Dental-facial growth and development were examined as part of a broader study of the effects of inbreeding on human populations.

Investigation Cited

Primitive populations studies by Dr. Niswander have included genetic investigations of a group of Indians living in Mato Grosso, a state in Central Brazil.

"Since man has lived for more than 99 percent of his existence in small hunting and gathering societies," he said, "these primitive Indian communities provide an excellent source for learning about the forces which have been most significant in shaping modern man."

A native of Orrville, Ohio, Dr. Niswander received his D.D.S. in 1955 and his M.S. in Human Genetics in 1962, both from the University of Michigan. He is the author of 18 scientific and technical articles and is a member of numerous professional societies.

In any given year, high air pollution increases one's chances of dying by 20 percent.—*Today's Health*.

Heart Institute Adds Eight New Centers To Its Ongoing Coronary Drug Project

Eight new centers are now being phased into the large-scale clinical trial aimed at finding out if drugs can lower the death rate in patients who have survived one or more heart attacks. The drugs all have in common the ability to affect the blood lipids and to lower blood cholesterol.

The grant-supported clinical trial, known as the Coronary Drug Project, is already underway and actively enrolling patients at 28 centers. The largest clinical trial of its kind, the project will eventually include more than 8,000 patients and is expected to reach its full complement of 50 or more cooperating centers by mid-summer.

All patients will be referred to the clinics by their private physicians and study investigators will work in close cooperation with these referring physicians.

Goal Given

The special goal of the study is to determine if any one of the study drugs can reduce by as much as 25 percent the mortality rate of men who have had a previous heart attack. Since coronary heart disease affects some 5.5 million Americans and is responsible for some 500,000 deaths each year, such a reduction would result in a significant saving of life.

The study will last a minimum of seven years and is forecast for 10 years or more at a cost of \$4.5 to \$5 million yearly for the peak years of operation.

Each patient will be treated and observed throughout a five-year period and observations will be recorded and forwarded for review and analysis to a Coordinating Center located at the University of Maryland School of Medicine, Baltimore, Md.

Lab Tests Planned

In addition, all laboratory tests will be carried out by a special staff in the Heart Disease Control Program laboratory at the National Communicable Disease Center, Atlanta, Ga. This is all the result of carefully considered and painstaking organization and planning designed to determine whether the degree to which certain drugs lower serum lipids is correlated with any effect on mortality and the rate of recurrent heart attacks in men who have previously experienced such attacks.

The drugs chosen for study have been shown to lower serum lipid levels and all are free from evidence of serious toxicity. They include estrogens (female sex hormones) in two dosage schedules, nicotinic acid, dextrothyroxine, and CPlB (ethyl chlorphenoxisobutyrate). The drugs will be stored, packaged and distributed through a central facility located at the U. S. PHS Supply Service Center, Perry Point, Md.

The development of the Coronary

Drug Project began in 1960 at the initiative of the National Advisory Heart Council. A Policy Board, Steering Committee, Coordinating Center and Central Laboratory were established to develop and guide the study.

The Steering Committee, composed of members from the cooperating centers, provides executive leadership for the Project. The Policy Board serves as an advisory and supervisory body to act on matters relevant to the study. The efforts of all these groups are coordinated by National Heart Institute staff.

New Centers Listed

The eight centers recently added to the Coronary Drug Project have been awarded research grants totaling approximately \$534,000 by the NHI as follows:

The Bryn Mawr Hospital, Bryn Mawr, Pa., \$57,000; Indiana University School of Medicine and Veterans Administration Hospital, Indianapolis, \$60,000; Harvard Medical School and Veterans Administration Hospital, West Roxbury, Mass., \$45,000; St. Joseph Hospital Research Foundation, Burbank, Calif., \$123,000; Medical College of South Carolina, Charleston, \$68,000; Sinai Hospital of Baltimore, Baltimore, Md., \$61,000; University of Mississippi Medical Center and Veterans Administration Hospital, Jackson, \$60,000; University of Puerto Rico School of Medicine, San Juan, P.R., \$60,000.

Dr. Rauscher Receives A Microbiology Award

Dr. Frank J. Rauscher Jr., Chief of the Viral Leukemia and Lymphomas Branch, National Cancer Institute, Etiology, and Chairman of the Institute's Special Virus Leukemia Program, received the 1966 Selman A. Waksman Honorary Lectureship Award on March 9.

The award is presented annually by the Theobald Smith Society, the New Jersey Branch of the American Society for Microbiology, to a scientist under 40 years of age for "outstanding contributions to microbiology."

Dr. Rauscher was presented an honorarium and an engraved medalion at the annual meeting of the Society at Rutgers University, New Brunswick, N.J. His lecture, given at the time of the award, was titled "Background and Current Status of the Search for Etiologic Viruses in Human Leukemia and Lymphoma."

A graduate of Moravian College, Dr. Rauscher received a Ph.D. degree in microbiology from Rutgers University. He has been a member of the staff of the National Cancer Institute since 1959.

Charlene Reid Cited

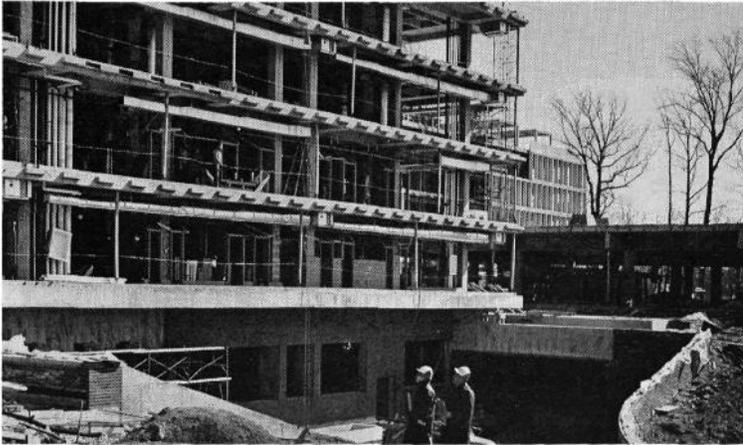
Charlene Reid of the Division of Research Facilities and Resources, General Research Support Branch, was recently presented with a certificate of award in recognition of "Sustained High Quality Performance" by Dr. Thomas J. Kennedy Jr., Director of the Division.

Mrs. Reid has been with the Division since April 1966, and with the National Institutes of Health since March 1962.



Newly elected officers of the National Cancer Institute's Technicians Study Group agreed to say "cheese" for the photographer in the lobby of the Clinical Center recently. The group meets once a month to study various facets of laboratory technique. From left the officers are George Kasnic, Vice President; Regina Gianini, Secretary; Beryl Everett, Delegate-at-large; Paula Carney, Treasurer, and Edwin R. Henson, President.—Photo by Ed Hubbard.

The Changing Face of the National Institutes of Health



A triple project being managed by the Division of Research Services' Research Facilities Planning Branch is the NCI-NIMH/NINDB complex, consisting of two laboratory buildings and a cafeteria (Bldgs. 35, 36, 37).



Alfred L. Perkins (left) and Robert A. Carroll of DRS' Plant Engineering Branch visit the site of the NCI Virus Isolation Facility, Bldg. 41, on the southern part of the reservation, west of the NLM.



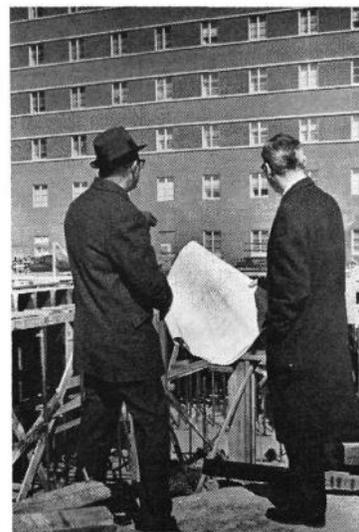
Gerard Stiller (left), Research Facilities Planning Branch project engineer for the NCI-NIMH/NINDB complex, discusses a blueprint for the NCI building with engineer Marvin Shenkler.

New Buildings Everywhere You Look

ON THIS FIRST DAY of spring, one might say that spring is "bustin' out all over" — but with buildings rather than blossoms. As evidence, NIH Photographer Roy Perry shot these six pictures of major construction projects that have been underway through the long winter months.



Robert A. Carroll (right), Head of PEB's Construction Section, and Alfred L. Perkins, Head of the Engineering Design Section, visit the Clinical Center cafeteria extension project. Completion is set for September 1967.



Robert A. Carroll (left) and Alfred L. Perkins inspect progress at the site of the library annex to the Clinical Center at the NIH.



Matching new bricks to old for the additions to the CC is one of many engineering details overseen by Messrs. Carroll (left) and Perkins.