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 1969 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 (See ZELEN 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.

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 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 and economic backgrounds. Among the theories they will test:

• That respiratory syncytial (RS) virus infections occur at an earlier age and are often more serious among children from lower socio-economic groups.
• That adenoviruses often produce diffuse upper respiratory infections in children under 2 years old in the middle and upper groups, but do not produce recognizable

(See RESPIRATORY, Page 1)
NEWS from PERSONNEL RETIREMENT

Cont'd 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 item on 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 the title held? Individually, tenancy in common, or jointly with another or others?

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 subject to zoning or other building restrictions and, if so, are the restrictions?

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, 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 subject to zoning or other building restrictions and, if so, are the restrictions?

ANNUAL PERFORMANCE RATINGS

In April of each year, cards are distributed to supervisors for re-evaluating the 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 1930 requires that an Outstanding Rating can be given only when all of the employee's duties are performed with perfect excellence and exceed normal requirements but also are outstanding and deserving of special commendation.

Employees who may not meet the exacting criteria for Outstanding Performance Rating but whose performance merits recognition, can be recommended for a Quality 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 adjectival 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. 29 and 34 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 Seeks 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 569; Harry B. Jewell, Brotherhood of Painters, Decorators and Paperhangers of America, Local 1692, and Donald Spenser, International Brotherhood of Electrical Workers, Local 27.

Additionally Sye S. Pointer has been named to represent the I.U.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 NIH'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 a place to settle down. She has attended schools in Mississippi, Tennessee, Alaska and Hawaii, as well as a science writer.

See 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 blinding 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 still another bright, young aspiring writer to its group of trainees.

Interns Rotate

Interns rotate through NIH's information office, 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 in ORI, CC, DRS, NC, DRMP and NIH.

In discussing benefits she has derived from the training program, Miss Broberg had this to say: "I gained insight into each Institute's information and 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 by a 60-year-old donor was among the cases described by a 17-member team of NIH investigators, immunologists and microbiologists.

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 per cent survival rate because of the difficulty of reconstituting 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

Robert Schreiber Named Information Officer in Charge of NIAID News

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

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., newspaper; 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 produced medical television programs over KKDA-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.

illness in children from the lower groups.

- That infections with herpesvirus 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 150 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 United States. M. pneumoniae is probably the most important cause of pneumonia 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 socioeconomic groups in which they occur and in which vaccines would be most valuable.

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

ZELEN AND WEISS
(Continued from Page 1)

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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 Fahrenhold, 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 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 Interpretable 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 horse-and-boat riding, water ballet, skating and ice skating. Her numerous and varied activities keep her on the go—requiring a nimble mind and nimble feet.

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. Sponsors were 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.
More Volunteers Needed for NIAID Mononucleosis Study

NIH employees 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 medical 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. 64111; Dr. Lawrence Chesser, Ext. 65047; Dr. Philip R. Glade, Ext. 65675; or NIAID Acting Clinical Director, Dr. Sheldon M. Wolff, Ext. 63963.

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 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 levels.

The grant-sponsored clinical trial, known as the Coronary Drug Project, is already underway and actively enrolling patients at 28 centers. The largest clinic 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 centers 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 3.5 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 CIB (ethyl chlorphenoxysubtolyrate). 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., $49,000; St. Joseph Hospital Research Foundation, Burbank, Calif., $123,000; Medical College of South Carolina, Charleston, $88,000; Sinai Hospital of Baltimore, Baltimore, Md., $61,000; University of Mississippi Medical Center and Veterans Administration Hospital, Jackson, $90,000; 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 medal 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.

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).

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 Shenklar.

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.

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.

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 (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.