Four NIH staff members received honors at the Annual Meeting of The Endocrine Society which was held on June 13 in Atlanta.

The Ayerst Award for Distinguished Service in Endocrinology was shared by Dr. G. Donald Whedon, Director, National Institute of Arthritis, Metabolism, and Digestive Diseases, and Morris M. Graff and Dr. Robert Townier Hill, both executive secretaries, Division of Research Grants.

Dr. Jesse Roth, chief of NIAMDD’s Diabetes Branch, received the Ernst Oppenheimer Memorial Award. That prize is given annually by The Endocrine Society to a young investigator for research achievements in endocrinology.

The chairman of the awards committee, Dr. Samuel P. Asper, dean of the Medical School of the American University of Beirut, presented the awards.

He praised the "extraordinary sharing of responsibility and remarkable interaction" between NIH and those it serves in the biomedical field.

He cited NIH's role among students of the life sciences as having "caused profound changes in life style, created enormous ranges of opportunity, and inspired a proud sense of profession." Dr. Asper also lauded NIH ad

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**CITE POSSIBLE HAZARD**

**Molecular Biologists Call for Temporary Ban on Research of DNA Recombinants**

Concern over a remote but possible hazard to man has spurred a group of molecular biologists to call for a temporary ban on certain experiments that involve the manipulation of deoxyribonucleic acid (DNA) in living cells and viruses.

Sponsored by the National Academy of Sciences, the Committee on Recombinant DNA Molecules suggested that NIH form a committee to evaluate and advise on the situation.

Also, the group has requested that the ban remain in place until the first international meeting on recombinant DNA is held in early 1975 to discuss future implications, and until guidelines are worked out for particular recombinants.

**NIH’s Role**

Dr. Robert S. Stone, NIH Director, said in a letter to the NAS, that NIH has been aware of the situation for some time and that NIH has “been developing guidelines, soon to be published, for assuring containment of such agents” without discouraging research “at this leading edge of science.”

Dr. Stone stated that NIH is prepared to establish and support the recommended advisory committee and sponsor the suggested meeting.

**Experiments Noted**

The new experiments, two specific types and a possible third, involve transplanting genetic material into plasmids of bacteria. Plasmids are extranuclear DNA which replicate like the DNA in the nucleus.

The bacteria not only multiply the foreign genes but also provide an excellent medium for studying the process.

The potential danger is that these altered bacteria, especially Escherichia coli—a standard re-search bacterium that inhabits man's intestines—might escape and infect the population. It is not known what type of genetic material might be thereafter replicated in nature.

The committee recommends that experiments should be avoided that involve injecting into bacteria (I) bacterial genes that are resistant to antibiotics and (II) genes of viruses.

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Bldg. 1 Cafeteria Closes Temporarily for Repairs

The Bldg. 1 cafeteria was closed on July 10 for extensive modernization and remodeling. Work on it will continue for approximately 6 months.

NIH employees on the reservation may use the cafeterias in Bldgs. 19, 31, and 35 during the interim. The reopening date will be announced.

The third type—placing animal genes in bacteria—should not be undertaken lightly,” the NAS group advises.
Yoo-Hoo Mrs. Health, Have We Got Good News for You — You May Be a Winner!

By Ellen Dickstein

"Pour yourself a cup of coffee, get very comfortable, and prepare to hear some wonderful news!"—that's how the letter from a national magazine started out.

It was only a computer error. It has happened before, it will happen again—but this time it happened to NIH!

Yes, Mrs. Natl I. Health, "You may have already won the $40,000 Grand Prize in NLM's 1974 'Best of Everything' Sweepstakes. If so, your mailbox is going to be bombarded—with CASH!"

If you have ever wondered where your next research grant is coming from, have no fears. That magazine's computer understands your problem. It has entered Mrs. Natl I. Health in the "Best of Everything!" Sweepstakes.

"Money problems? Not for you! You'll know how wonderful it is to feel financially secure," the letter continued, promising bigger and better things.

This sweepstakes entry arrived recently at the Office of Research Reporting, National Institute of Child Health and Human Development. It was addressed to "Mrs. Natl I. Health, Bethesda, Maryland, 20014."

"Can you imagine the bureaucratic snafu it would cause if Mrs. Health won the sweepstakes!" acting chief Jane Shure quipped.

Of course, it is possible that Mrs. Health may not win the Grand Prize. But imagine what a nice addition to the Clinical Center the third prize freezer will be.

The second prize would pay for Annual Leave vacations for Mr. and Mrs. Health for 10 years. All Mrs. Health has to do is—

turn the prize certificates. The computer has reserved a number for each Sweepstakes prize in her name.

If she returns the certificates promptly, she will be eligible for a $1,000 "Early Bird" Bonus. She is not even obliged to subscribe to the magazine.

The letter reminds Mrs. Health that, "If the folks needed help," she would certainly feel good, "giving them a hand." Well, the "folks" do need help. That's what Mrs. Natl I. Health is here for. So, cross your fingers and hope that Mrs. Health wins the "Best of Everything!"

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DCRT Publishes Booklet For Courses, Seminars; Contains Application

Courses and seminars for the fall semester have been published in a brochure issued by the Training Unit, Division of Computer Research and Technology.

One new seminar, Teleconferencing, describes linking computer terminals together for a conference call. Advantages of teleconferencing include permanent transmitted records, reduced cost, and decreased travel time.

The usual IBM 360/370 general purpose courses will be offered. These include programming languages (FORTRAN, COBOL, PL/1, and CPS) as well as instruction in the Operating System, WYLU-BUR, and microfilm processing.

Courses Described

Courses in programming languages, operating system and use of special facilities, as the DEC-system-10, are also available.

The brochures, which contain an application, may be obtained at all B/1/D personnel offices or by calling the Computer Center Branch Technical Information Office, Ext. 65431.

Deadline for applications is Aug. 21 although late applications will be accepted until classes are filled.

James B. Davis, OAS Director, Retires; Stays Here as R & W General Manager

After 36 years of Federal service—all at NIH—James B. Davis, Office of Administrative Services’ Director, retired at the end of June. Long a member of “Old Timers” ranks, Mr. Davis recalls, “(1) they sent me to Bethesda, (2) passed the legislation establishing NIH, and (3) built the place—in that order.”

Mr. Davis also resigned as president of the Recreation and Welfare Association, Inc., to replace L. D. Weiford, Jr., as R&W general manager.

He began his Federal career in

in 1962 and again in 1973, Mr. Davis was elected president of the Recreation and Welfare Association.

1938 at the old Hygienic Laboratory located at 5th and E Streets, N.W.

Mr. Davis recalls that the total staff at that time numbered 200 employees, and that what today comprises ADA consisted of 15 people then.

The NIH Budget by that time had reached a whopping 5 million dollars!

After a 2-year tour during World War II with the U.S. Navy, Mr. Davis returned to Bethesda in 1945.

Named OAS Director

When the Clinical Center was built, he assisted with procurement and contracting for construction and equipment of the facility. In 1950, he was appointed chief, Supply Management Branch, and served in that capacity until the Office of Administrative Services was established in 1959, at which time he was named Director.

The OAS, comprised of 800 employees, provides a variety of support and administrative services to NIH scientific and professional personnel.

Early in the NIH EEO movement, Mr. Davis assumed OAS leadership in NIH upward mobility efforts. He developed and provided a clerk-typist training program for OAS employees early in 1969 and afforded vocational on-the-job opportunities for a number of employees in dead-end positions.

The OAS EEO conference held in November 1973 climaxed Mr. Davis’s efforts in the OAS upward

Laboratory collector’s items include unlabeled, mislabeled, out-of-date, or decomposed chemicals. Compressed gas cylinders can also be a part of this collector’s cache.

Do some summer housekeeping to dispose of these chemicals. For information on chemical disposal, call the Safety Office, Ext. 65323.

NHI since 1951.

The meetings provide an opportunity for an exchange of ideas and information between research scientists in the Washington Metropolitan area and the scientific instrument industry.

The NIH Exhibit and Instrument Symposium has become recognized among the outstanding scientific meetings on instrumentation in the U.S.

Over the years, Mr. Davis has

(See JIM DAVIS, Page 6)

Safety Tips for NIH

...
Dr. Boone Tells Summer Employees: 'You Help Us and

"It's a two-way street, I tell them. You help us and we'll help you, and we'll both get a lot out of it." Dr. Charles Boone, chief of the Cell Biology Section in the National Cancer Institute's Viral Biology Branch, supervises several summer employees and finds that this candid approach works very well.

Dr. Boone explained that summer workers "offer the supervisor a chance to try the simple, high curiosity projects, that we can't afford to spare personnel for in our own productive activities."

This June, summer employment at NIH reached its peak. More than 800 high school, college, and graduate students were hired for scientific, administrative, clerical, and maintenance jobs on the campus and in Institute field locations.

Of the eight summer programs, the Stay-in-School Program has the largest number of participants—over 450 employees. This year-round program enables the student to work full-time during the summer and continue working part-time during the school year.

One fourth of the summer employees are summer aids, working in clerical, administrative, and apprenticeship research jobs. The Summer Aid Program enables economically disadvantaged youths, between the ages of 16 and 21, to develop skills through on-the-job training.

The employee may also participate in 36 hours of classroom training.
We'll Help You and We'll Both Get a Lot Out of It

This year, the Summer Aid Program included six students with auditory or visual handicaps who were placed in jobs where their talents could be utilized. The students were so successful in their work, that plans are now underway to continue with this part of the program next year.

The Federal Junior Fellowship Program gives college and college-bound students training in fields related to their school studies. The goal of the program is to attract talented young people into Government careers and provide financial assistance to continue their education.

In August, a Youth Participation Day for students to meet with B/I/D administrators will be held.

Seminars, at which students will hear health topics discussed by the professional staff, are also planned for that month. The students will choose the topics and participate in the discussions.

For the first time, summer employees will nominate a candidate for the title of top supervisor of the summer, stating their reasons for the selection. An award will be presented to the winning supervisor during the 8th Annual Summer Employees Awards Assembly.

Other summer programs include: Summer Employment Examination Program, the Graduate Program, COSTEP, the AU Research Participation Program, and the Federal Summer Intern Program.
Dr. Samuel Greenhouse Leaves the Government After 34 Years' Service

At a farewell testimonial party in honor of Dr. Samuel W. Greenhouse, a guest said, “I just never met anybody who had anything to do with Sam who didn’t think that, in addition to being a fine statistician and a fine scientist, he was just a great human being.”

Dr. Greenhouse recently retired as associate director for Epidemiology and Biometry and acting associate director for Program Planning and Evaluation, National Institute of Child Health and Human Development, after 34 years of Government service.

Will Join GWU

He will join the staff of George Washington University as a professor of statistics.

Dr. Greenhouse was given a bound collection of his publications, a scrapbook of letters from colleagues and friends from the world over, and a scientific pocket calculator.

A gold ring with opals, sapphires, and diamonds was presented to Mrs. Greenhouse to commemorate the occasion.

Dr. Greenhouse graduated from City College of New York in 1938 and received his B.S. in 1954 and a Ph.D. in 1959 in statistics from George Washington University, a combination of studying, teaching, and working.

He first came to the Government in 1940 with the Bureau of the Census, spent 1942 through 1945 in the U.S. Army, and then served in 1946 through 1948 with the Bureau of the Census, and 1954, and was awarded the post of acting associate director for Program Planning and Evaluation.

Early in his NIH career, he helped design methods of evaluating diagnostic tests for various types of diseases.

Later, Dr. Greenhouse worked on new statistical methods for profile analysis to solve problems of testing, chiefly in the mental health area.

Also interested in multivariate analysis, he has published numerous articles on discrimination, clustering, and more recently, case control study analysis.

The recipient of many honors and awards, Dr. Greenhouse was recently selected by Johns Hopkins University as a Johns Hopkins Centennial Scholar.

Clinical Center patients and friends meet a lion—a friendly one—in the 14th floor playroom. The visitor, a representative of the Wildlife Preserve, a park to open soon in Largo, Md., prowled nursing units and outpatient clinics. The visit was arranged by the CC Patient Activity Section.

BAYLOR CENTER

Dr. Greenhouse became EBRB associate director in 1971 and concurrently assumed the post of acting associate director for Program Planning and Evaluation.

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NIH Visiting Scientists

Program Participants

7/1—Dr. Evan Anthony Jones, United Kingdom, Digestive Diseases Branch. Sponsor: Dr. Paul D. Berk, NIAID, Bldg. 10, Rm. 4D82.

7/1—Dr. Takeshi Kato, Japan, Laboratory of Biomedical Sciences. Sponsor: Dr. Gordon Gurwitz, NICHD, Bldg. 6, Rm. 310.

7/1—Dr. Karl M. Knigge, U.S.A., Laboratory of Biomedical Sciences. Sponsor: Dr. David C. Klein, NICHD, Bldg. 6, Rm. 310.

7/1—Dr. Takuma Konou, Japan, Reproduction Research Branch. Sponsor: Dr. Kevin S. Catt, NICHD, Bldg. 10, Rm. 12N210.

7/1—Dr. Ramon Latore, Chile, Laboratory of Biophysics. Sponsor: Dr. William Adelman, NINDS, Bldg. 36, Rm. 2A203.

7/1—Dr. George J. Mathews, India, Surgical Neurology Branch. Sponsor: Dr. J. M. Van Buren, NINDS, Bldg. 10, Rm. 4N256.

7/1—Dr. Edwige Panek, France, Laboratory of Technical Development. Sponsor: Dr. Robert L. Berger, NHLS, Bldg. 10, Rm. 5D04.

7/1—Dr. Ernesto J. Podesta, Argentina, Reproduction Research Branch. Sponsor: Dr. Maria Catt, NICHD, Bldg. 10, Rm. 12N210.

7/1—Dr. Rodwan K. Rajjoub, Syria, Surgical Neurology Branch. Sponsor: Dr. J. M. Van Buren, NINDS, Bldg. 10, Rm. 4N256.

7/1—Dr. Norio Sakuragawa, Japan, Clinical Investigations and Therapeutics Section. Sponsor: Dr. Anatoile DeSalabian, NINDS, Bldg. 10, Rm. 4N256.

7/1—Dr. Carline van Haafken, Netherlands, Lung Cancer Branch, DCCP. Sponsor: Dr. Curtis C. Harris, NCI, Bldg. 37, Rm. 3C03.

JIM DAVIS

(Continued from Page 3)

recruited by the Department of Commerce in 1967. Mr. Davis served as a consultant in organizing the ACHDM Exposition held in Frankfurt, Germany, for worldwide exchange of data concerning scientific equipment.

Again in 1970, he was detailed to Commerce to organize the International Colloquium dealing with Analytical Instrumentation for Industry and Research at the U.S. Trade Center in Paris.

This year—from July 10 through August 11—Mr. Davis is serving as U.S. Technical Representative at Analytical and Laboratory Instrument Catalog Exhibits in the Philippines, Singapore, and Malaysia.
Applications Are Being Accepted to Four NIH Special Career Research Programs

Applications for four special research career programs will be accepted by NIH from U.S. citizens, non-citizen nationals, or those lawfully admitted to this country for permanent residence.

Candidates must be nominated by an appropriate non-Federal public or private organization located in the U.S., its possessions or territories, and must have demonstrated potential for developing qualifications necessary to pursue careers in research and academic medicine.

Awards will be made to the sponsoring institution or school on behalf of the candidate in one of the following health professional categories.

- The National Heart and Lung Institute's Pulmonary Academic Awards are aimed at improving pulmonary curricula and fostering research and academic careers in the respiratory fields.

- These awards are limited to one for each eligible school of medicine or osteopathy for a period of up to 5 years with the possibility of renewal for an additional 3 years.

- Contact Dr. Jay Moskowitz, Division of Lung Diseases, NHLI, Bethesda, Md. 20004.

- The National Institute of Arthritis and Metabolic Diseases is accepting applications for Clinical Investigator Awards in digestive diseases, nutrition, and diabetes.

- The 3-year awards are designed to foster independent research capability in young medical scientists—up to 7 years of postdoctoral experience in areas relevant to allergic diseases.

- Contact Dr. Frechlich

- Contact Dr. L. A. Frechlich, assistant for Clinical Programs, Extramural Programs, NIAID.

- The National Institute of Allergy and Infectious Diseases, provides an opportunity for young scientists to develop qualifications for established academic positions in allergic diseases.

- Candidates should be under 40; have an M.D., D.O., D.M.D., D.V.M., or equivalent degree, and have 6 to 10 years of postdoctoral experience in areas relevant to allergic diseases.

- Contact Dr. Froehlich

- Contact Dr. William Batchelor, Clinical Investigator Awards-Extramural Programs, NTAMD.

- Teacher-Investigator Awards in neurological and communicative disorders will be continued by the National Institute of Neurological Diseases and Stroke.

- The 5-year awards provide support to candidates pursuing a research and teaching program which has been planned with the sponsor. Up to 10 new awards will be made annually.

- Contact Dr. Ray Summers, acting chief, Special Programs Branch, Extramural Programs, NINDS.

- More detailed information and applications may be obtained by contacting the appropriate participating institute.

- The deadline for receipt of applications is Oct. 1, 1974. Notification of final action will be made in March 1975.

- More people die from allergy to insect stings than from snake bites.

- JAMA (May 6 issue).
Heart Scanning Technique for Children, Voice Abnormalities of Rhesus Descrived

A team of investigators from the Division of Research Services and the National Heart and Lung Institute developed a new technique useful in visualizing cardiac abnormalities of infants and children with congenital heart disease.

Called 2-dimensional echo-cardiography—the scanning technique offers a new use of biomedical ultrasound, a sonar-like diagnostic system in which sound waves transmitted to a human body send back characteristic echo-waves from various tissues and blood vessels.

The 2-dimensional technique was described in the current issue of the scientific journal *Circulation* by James M. Griffith, a DRS electrical engineer, and Dr. Walter L. Henry, an NHLI cardiologist. Unlike one-dimensional ultrasound systems presently in use, the new system permits visualization of a large part of the heart as it beats, and produces 30 separate pictures of the heart each second. Each individual picture consists of 100 lines-of-scan, providing greater detail than other reported 2-dimensional systems.

Dr. Henry explained that cardiac problems of small children are not easily diagnosed because of the small size of their hearts. Cardiac catheterization, the surgical insertion of an examining instrument into the heart, is sometimes a risky procedure in youngsters with unknown cardiac abnormalities, which may range from narrowed heart valves and improperly connected blood vessels to mislocation of the heart itself.

The scientists report that a hundred patients with heart disease have been screened at NIH without risk or discomfort using the new technique. Of these, 23 patients had congenital heart disease. Twenty of the 23 cases were correctly identified with the 2-dimensional echo-cardiographs, Dr. Henry noted.

The NIH system is motor-driven and relatively inexpensive. Mr. Griffith and Dr. Henry estimate that as many as 5,000 U.S. medical centers already are equipped with ultrasound units, now used chiefly for brain tumor diagnosis, fetal monitoring, and one-dimensional echo-cardiography.

Many such units are adaptable to the NIH type of 2-dimensional echo-cardiography, they said. The NIH researchers acknowledged significant contributions to 2-dimensional echo-cardiography made by earlier investigators. They cited in particular research teams by Erasmus University in Rotterdam, Holland, the University of Rochester, Indiana University, Duke U., Stanford U., and the University of California, San Diego.

Mr. Griffith and Dr. Henry were among a group of NIH scientists using one-dimensional echo-cardiography in collaboration with NAIA physicians in February 1974 to monitor the hearts of Skylab III astronauts following their prolonged period of weightlessness.

Drs. Cooper and Stone Address News Writers At 1-day NIH Seminar

On July 11, the concluding day of the second annual Federal Focus on Health Conference, journalists specializing in reporting science and health news attended a seminar at NIH.

Dr. Theodore Cooper, HEW Deputy Assistant Secretary for Health, opened the morning session in Wilson Hall. He discussed the role of the Federal Government in biomedical research. Dr. Cooper was formerly Director of the National Heart and Lung Institute.

He was followed by NIH Director Dr. Robert S. Stone who gave an explanation—illustrated by slides—on the structure of NIH, and its budget and peer review system.

Later, three Institute Directors described the research programs of their respective institutes. They were: Dr. David Rall, National Institute of Environmental Health Sciences; Dr. Robert Ringer, Acting Director, NHLI, and Dr. Frank Rauscher, Jr., National Cancer Institute.

Tours Conducted

The morning session concluded with talks by Dr. Elizabeth Neufeld, National Institute of Arthritis, Metabolism, and Digestive Diseases, and Dr. William H. Bowen, National Institute of Dental Research. Dr. Neufeld's topic was Inborn Errors of Metabolism; Dr. Bowen discussed Prospects of a Caries Vaccine.

During the afternoon session, groups of reporters toured the Clinical Center and the National Library of Medicine.

They also visited laboratories to view some of the research that is being conducted on the campus. Two of the studies are described in adjoining columns.