Scientists Develop Simple Test for German Measles

A simple and rapid test for German measles (rubella) has been developed through cooperative work by Public Health Service and industry scientists. The new test provides identification of antibodies to rubella infection within 24 hours, as compared with about two weeks for methods generally used previously.

It employs the biological principle called “complement fixation,” an especially sensitive indicator of recent infections. Thus, timely reconnaisance can be made of rubella epidemics prevalent in recent seasons in the United States. These rubella virus infections, when acquired by women early in pregnancy, are resulting in thousands of defective infants.

Vaccine Development Aided

Information obtained more readily through the new method should shorten the time to the development of safe and effective rubella vaccines now in the experimental stage, and should also facilitate evaluation of the use of high-titer (high in antibodies against rubella virus) gamma globulin blood fraction as an interim protective measure.

(See MEASLES TEST, Page 4)

NINDB Sponsors Project in Egypt for Collection of Statistics on Blindness

An agreement to collect data on blindness in certain urban and rural areas in Egypt has been negotiated with the University of Alexandria by the National Institute of Neurological Diseases and Blindness.

A pilot project, begun March 1 in Alexandria and nearby villages, will inaugurate the program, designed to complement and extend the efforts of the Institute’s Model Reporting Area for Blindness Statistics (MRA).

The Model Reporting Area, initiated in 1962, is making use of improved State blindness registers to collect comprehensive data on the blind populations of member States in the MRA.

Uniformity of data is approached through use of a common definition of blindness and a standard classification of causes of visual loss by site and etiology. Rigid standards attempt to insure updated and complete data in the State registers. Annual tabulations go to make up an overall report.

With the addition of new members expected within a year the project will represent a third of the population of the United States.

Since the incidence of blindness in Egypt is at least one and a half times that in the United States, the 15 of NIH Staff, 1 Former Member Cited by DHEW

Fifteen NIH staff members and one former member were among Public Health Service winners of meritiorous service awards at the 14th Annual DHEW Honor Awards Ceremony April 9. The awards were presented by Anthony J. Celebrezze, Secretary of the Department of Health, Education, and Welfare, at a ceremony in the Department auditorium.

Recipients Named

The Department's highest civilian honor—the Distinguished Service Award—was received by C. Gordon Zubrod, M.D., Director of Intramural Research, and Robert E. Learmouth, Executive Officer, both of the National Cancer Institute; and George Z. Williams, M.D., Chief of the Clinical Pathology Department of the Clinical Center.

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Published bi-weekly at Bethesda, Md., by the Public Information Section, Office of Research Information, for the information of employees of the National Institutes of Health, principal research center of the Public Health Service, U. S. Department of Health, Education, and Welfare, and circulated by request to interested members of the public. The NIH Record content is reprinted without permission. Pictures are available.

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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

PERSONNEL ACTION DEADLINE

The deadline for presentation of requests for personnel actions to the Personnel Management Branch has been moved up from Thursday to Tuesday noon preceding the close of each pay period.

This earlier submission date is incident to the conversion of the NIH payroll to the DHEW centralized payroll system. Hereafter PMB will be governed by instructions from the DHEW Central Payroll Division and will not be authorized to waive deadlines. Officials should be aware that a missed deadline will result in the delay for one pay period of a requested change.

SUMMER EMPLOYMENT

All applications for summer employment should be sent to the Operations Unit, Recruitment and Placement Section, Room BIB-29, Building 31. Institutes and Divisions should also forward to the same Unit, by today (April 20) an SF 52, Request for Personnel Action, for each position they plan to fill.

Beginning today, applications will be available for review and every effort will be made to complete selections by May 3.

Clerk-typist and clerk stenographer positions will be filled initially from among the group of former employees who are eligible for reappointment, and then from eligibles on the NIH Civil Service register. Selections will be made in regular order from the register.

Student assistant selections will give priority to (1) candidates who have completed their junior year, seniors who plan to attend graduate school and students in

Linda Hardy, CC Nurse, Wins 'Career Girl' Title

Linda Hardy, a staff nurse in the NIH Clinical Center's Heart Nursing Service, has been elected “Career Girl” of the year, by the Business and Professional Women's Club of her hometown, Mount Union, Pa. This annual award is presented to a young career woman between the ages of 20-24 who exhibits leadership, potential and maturity.

Miss Hardy graduated from the University of Pittsburgh School of Nursing in August 1964 and joined the staff of the Clinical Center Nursing Department on October 6, 1964.

Lab Refresher Courses To Be Given by CDC

Laboratory Refresher Training Courses will be given by the Laboratory Branch of the Communicable Disease Center during the period August 2, 1965 to June 24, 1966.

Additional information about the courses and application forms may be obtained from the Laboratory Branch, Communicable Disease Center, Public Health Service, Atlanta, Ga. 30333.

R&W Hamsters Musical 'Anything Goes' Opens Apr. 28: Tickets on Sale Today

One of the funniest, most tuneful musicals that the R&W Hamsters ever presented. "Anything Goes," opens April 28 in the Clinical Center auditorium.

The April 28th show is for CC patients. On April 29, 30, May 1 and 2, performances will be presented for NIH employees, their friends and families. All performances begin at 8:30 p.m. with the exception of the 2:30 p.m. May 2 matinee.

Tickets for "Anything Goes" go on sale today in R&W offices. On Thursday, representatives in all NIH units will begin selling the tickets which are priced at $1.50.

Show Scores Hit

A hit show from the moment it opened in 1934, "Anything Goes," was destined to be a smash with a plot from the book by P. G. Wodehouse and Guy Bolton and the wonderful songs of Cole Porter.

Most of the action takes place aboard a great trans-Atlantic steamship on its way to Europe. From the moment the liner leaves the dock, the show gets wilder each minute. In fact, the title tells the tale—"Anything Goes.

Arnold Sperling, veteran Hamster director of such memorable productions as "Li'l Abner," "Pajama Game," and "Flowdr Drum Song," is now directing the show, which is being produced by Jerry Silverman (BSS), and Diane Smith (NINDS). Arnold is Chief of the CC Patient Activities Section.

Schedule Listed for Today's Labor-Management Elections

Three labor-management elections will be held today to provide non-supervisory Wage Board employees with the opportunity to vote on their choice of representation.

The elections are scheduled as follows:

1. Ground Maintenance and Landscaping employees will vote in Building 22 from 7:30 a.m. to 4:30 p.m.
2. The Nutrition Department election will be held in Building 10, 14th floor solarium, from 8:30 to 11:30 a.m. and 1:30 to 5:30 p.m.
3. All other Wage Board employees have been designated to vote in one of the following locations from 7 a.m. to 7 p.m.: Building 13, shops area; Building 14A, Room A-120; Building 1, sub-base; and Building 10, 14th floor assembly hall.

Instructions are posted on all official bulletin boards.

The Washington Post,
Utilities, Road Projects Necessitate Changes in Traffic Patterns Here

With the advent of spring, two construction projects planned by the Division of Research Services — the Master Utilities Extension and the relocation or repaving of certain roadways — will soon affect NIH personnel.

The repaving and curbing of Wilson Drive is scheduled to begin shortly. Although the contractor must maintain one-way traffic at all times, persons who normally use Wilson Drive are advised to consider the use of other routes. The service roads in the housing area will also be resurfaced under the same contract.

Utilities Expanded

The other project scheduled to begin soon is the expansion of the Master Utilities Extension (MUE) across the triangle at the intersection of South and Center Drives.

The Rockville Pike entrance to South Drive is now being relocated and the entire road widened. Here again, one-way traffic will be maintained.

However, when the MUE work begins across the triangle, there will be considerable disruption to traffic. The sanitary sewer line, which is a part of MUE, requires a trench 27 feet deep. This presents problems in connection with shortening and bridging the trench for traffic.

The widening of South Drive is scheduled to be completed by the end of May. A similar project of widening and repaving Center Drive from the Clinical Center to Old Georgetown Road has just been completed.

Excavation for the addition to the Biologies Standards Building (29A) will be underway soon. The grass has already been stripped, and service roads in the area have been blocked off. To help alleviate some of the traffic congestion in that vicinity, a turn-around at the rear of the Dental Building (30) will soon be built.

'Science' Defends NIH Intramural Efforts

NIH scientists who have taken a special interest in questions concerning the nature and dimension of intramural research at NIH raised by the report, "Biomedical Science and Its Administration," will be heartened by an editorial in the current issue of Science (April 9) which recognizes the excellence of the intramural research at NIH and makes a case for its preservation.

The editorial said, in part:

"Fair-minded scientists will be distressed with the part of the report that deals with intramural activities. In many fields the Bethesda laboratories are world leaders, and they have fostered men who are now distinguished professors. Yet the report comes close to suggesting liquidation of this excellent establishment. We recommend, as an early agenda item for the Policy and Planning Council, consideration of the amount of independent, university-like research that NIH should conduct intramurally. If reductions are decided on they should be carefully executed . . . . This language has already produced apprehension among the intramural staff at NIH. A decrease in the budget at NIH would hasten the departure of many of the best men in all programs.

"There is injustice in this situation. Fifty years ago the intramural and extramural research programs were of equal magnitude. Since that time, both programs have been expanded, but the extramural activity has grown about five times more. It was the rate of increase in extramural support that drew criticism in Congress. It was this program that provided the ammunition for the Fountain committee. It was criticism of the extramural program which led to appointment of the Wooldridge committee. No substantial fault had been found previously in the intramural program. Yet when the report comes out, it is the intramural activity that appears to be most threatened."

8 New Buildings Needed Here To Be Erected in 3 Years

Construction of eight new buildings here on the 306-acre NIH reservation, scheduled for completion within three years, is now underway or due to start by the end of this year.

When completed the new buildings will:

- Provide needed space for new NIH programs.
- Relieve crowded conditions in the Clinical Center by providing laboratory space for many nonclinical research projects.
- Bring together several of the scattered NIH offices and laboratories now in rented quarters in nearby Bethesda and Silver Spring.
- Follow are brief descriptions of the projects.

Building 12A — Work is well along on this 4-story extension to Building 12. This building, scheduled for completion in June, has been assigned for use of computer science and technology, and groups will move from Stone House into the building at that time.

This assignment, coupled with present computer occupancy of Building 12, will provide for a so-called computer science center in that area of the NIH reservation.

Space Use Noted

Until full staffing of computer science and technology activities is reached, some space in Building 12A will be occupied, on a temporary basis, by selected groups such as Environmental Services Branch and the Research Facilities Planning Branch, DRG.

Building 29A — This building, started March 15, will provide additional laboratory space to meet the increasing demands and responsibilities of the Division of Biologies Standards. It is due to be completed by the end of 1966.

The increasingly rapid development of biological products and the transition from laboratory findings to end products, particularly in the area of viral research, have put a severe strain on the Division's present facilities for testing and re-

(See NEW BUILDINGS, Page 5)

Dr. Robert W. Berliner, NIH, Named Winner of Homer Smith Award

Dr. Robert W. Berliner, Director of Intramural Research, of the National Heart Institute, has been named winner of the Homer W. Smith Award in Renal Physiology.

The award, consisting of $1,000 and a certificate, is given annually by the New York Heart Association for "original contributions to research in renal physiology."

It was established last year to honor the memory of Dr. Homer W. Smith, noted renal physiologist who was active in the creation of the New York Heart Association's research program.

Dr. Berliner has performed important research on the excretion and reabsorption of potassium by the kidneys. He has also done significant work in clarifying the operation of renal urine-concentrating mechanisms.

He was designated to receive this year's award upon the recommendation of the association's Advisory Council on Research. The first recipient of the award was Dr. Robert L. Pitts, NIH grantee at Cornell University Medical College.

Joins NIH in 1950

Dr. Berliner has been Director of Intramural Research at NIH since 1954. He joined the Institute staff initially in 1950 as Chief of the Laboratory of Kidney and Electrolyte Metabolism.

Before coming to NIH, Dr. Berliner led a research group at Columbia University, where he was Assistant Professor of Medicine. He was also Research Associate at the Department of Hospitals of the City of New York.

Dr. Berliner is a member of the American Society for Clinical Investigation, Association of American Physicians, American Physiological Society, Society for Experimental Biology and Medicine, The Harvey Society, and other professional organizations.

He is currently on the editorial board of the Journal of Clinical Investigation, and is chairman of the publications committee of the American Journal of Physiology.

Dr. Berliner was graduated with a B.S. degree from Yale University and received his M.D. from Columbia University.

Five years ago, in May 1960, NIH acquired 513 acres of farm land near Poolesville, Md., for the NIH Animal Center.

Four new documents—two research and training grant Policy Statements and two Guides to Operating Procedures—are now being distributed by the Public Health Service. Together they will serve to replace the current Grants Manual.

The Policy Statements will become effective next July 1 and are designed to provide in concise versions the essential terms and conditions that have been developed for PHS research and training grants. They will also include the cost principles outlined by the Bureau of the Budget in Circular A-21, revised March 3, 1965.

Titled of the new statements are “Grants for Training Projects, NHI Study Finds Alpha-Methyl Tyrosine Effectively Curbs NE Synthesis In Vivo

National Heart Institute scientists have reported that alpha-methyl tyrosine, an inhibitor of the enzyme L-tyrosine hydroxylase, effectively blocks norepinephrine synthesis in vivo.

The synthesis of norepinephrine proceeds in three steps, each requiring the participation of a different enzyme. The first step is the conversion of tyrosine to an intermediate called DOPA, catalyzed by the enzyme L-tyrosine hydroxylase. Earlier NIH studies had established that the rate at which DOPA is fed into the NE assembly line by this enzyme ultimately determines the rate of NE synthesis in all tissues that manufacture the amine.

Studies Described

Thus, this rate-limiting step is the most logical point to apply the brake to NE production by enzyme inhibitors.

Previous studies had demonstrated that NE production in vivo could not be effectively curbed by inhibitors directed against the other two enzymes, dopa decarboxylase and dopamine-beta-oxidase.

Recently, several inhibitors of L-tyrosine hydroxylase have been developed. One of the most potent is alpha-methyl tyrosine (Merk Sharp & Dohme).

NHI animal studies have shown that this compound interferes with NE synthesis by effectively competitively with tyrosine for L-tyrosine hydroxylase.

When administered in suitable doses over a period of time (24 hours in these experiments), the compound reduced stores of NE in brain stems, heart, and spleen to undetectable levels.

Dopamine stores in brain were also depleted by the drug. Adrenal gland NE stores were only partially depleted.

Subsequent radioactive tracer studies established that NE depletion significantly changes include:

- Reimbursement of indirect costs on a salary and wage base not to exceed a maximum percentage of total direct costs (20 percent for research and 8 percent for training).
- Requirements for reporting time or effort for professional, paraprofessional, or non-professional personnel.
- An explanation of the project period support mechanism for training grants.
- Accounting for materials and supplies.
- Requirements concerning travel, expendable and allowable for dependents and travel.

Copies of the new Guides and Policy Statements are available on request from George Warner, Grants Management Branch, Division of Research Grants, Bethesda, Md. 20014.

Ruth Silbey receives her certificate upon completion of a 12-month course in the NIH Information Training Program from Clifford F. Johnson, Chief of the Office of Research Information. Her preceptor, Victor Vartofsky (center), and the faculty of the National Institute of Arthritis and Metabolic Diseases.—Photo by Ed Hubbard.
NEW BUILDINGS (Continued from Page 3)

The new addition will provide laboratory testing space, including quarters for monkeys made available for new programs on live poliovirus vaccine and measles vaccine.

In addition, a variety of low-temperature storage rooms for preserving the increased volume of complex biological products will be provided.

**Buildings 35, 36, and 37.**—This complex will consist of two laboratory buildings and a cafeteria building. Construction is due to start in late summer of this year and be completed by early 1968.

**NCI to Occupy Lab**

One of the laboratory buildings, to be occupied by the National Cancer Institute, will provide facilities for direct research in the cancer field, and for the support and administration of cancer research in laboratories and universities throughout the world.

The other laboratory building, to be occupied by the National Institute of Neurological Diseases and Blindness and the National Institute of Mental Health, will provide facilities to support the broad spectrum of research in these fields from the cellular level to clinical investigations.

The Cafeteria Building will provide dining facilities for personnel of the two new laboratory buildings and for occupants of other buildings on the reservation.

**Building 31C.**—Construction of this extension to the general office building is planned to begin in the fall of 1965 and be completed early in 1967. This building will provide space for many NIH offices that are scattered around the Bethesda area in rented space.

**Library Needs Space**

**Library Extension.**—The NIH Library is currently located in an area in the Clinical Center that was originally designed for laboratory space. The extension will provide much more effective library space and free the space, now occupied, for laboratory use.

Work on this extension is due to start in the late summer of this year and be finished by the first of 1967.

**Cafeteria Extension.**—The cafeteria in the Clinical Center prepares food for patients and also serves personnel of the Clinical Center and other buildings.

The Cafeteria Extension, to be constructed at the same time as the Library Extension, will provide needed space for additional seating and an entirely separate food preparation facility, permitting the preparation of special dietary foods for patients apart from the one serving staff members.

**EGYPT (Continued from Page 1)**

This aerial view of the NIH reservation, looking west, shows the location of six of the eight buildings scheduled for completion within the next three years. Now nearing completion, 12A will be largely used for computer science and technology; 29A is the laboratory addition for the DBS; 35 is the new Cafeteria Building; 36 is the laboratory building to be shared by NINDB and NIMH; 37 is the laboratory building of the NCI; and 31C is the third-wing extension to the General Office Building. The cafeteria and library extensions to the Clinical Center, not shown, will provide additional space for the CC Cafeteria and a new home for the NIH Library.

**Smallpox Revaccination Recommended by EHS**

The Employee Health Service, aware of employees' increasingly frequent contacts with international travelers, urges everyone at NIH who has not been vaccinated against smallpox within the last two years to be revaccinated.

Individuals working in buildings not listed below should report to the facility nearest their place of work. Special arrangements also can be made with EHS, Ext. 64411, for large groups to obtain their vaccinations at locations closer to their places of work.

**Construction Grants by PHS During Fiscal '64**

Public Health Service grants for construction of research, hospital and related health facilities during Fiscal Year 1964 totaled $230.6 million, according to a recently released State-by-State tabulation.

Prepared by the Data Processing Section, Statistics Analysis Branch, Division of Research Grants, the tabulation contains a brief description of each project, the amount of the Federal grant, and the grant totals for each State.

Of the total amount, $176.6 million was granted for the construction of hospital and related medical facilities. The total of Federal grants under the Hill-Butler program since FY 1948, when it first went into operation, is $2.17 billion. These grants resulted in local expenditure of an additional $4.67 billion during the same period.

The remaining $54 million in grants went toward the expansion of laboratory space in universities and other institutions sponsoring biomedical research.

**Program Begun in 1957**

A total of $320 million has been granted for this purpose since the Health Research Facilities program was initiated in FY 1957. These grants have been supplemented by non-Federal funds and have resulted in the construction of over $1.5 billion worth of buildings containing research laboratories.

The State-by-State breakdown of the grants awarded in Fiscal Year 1964, in booklet form, is Part III of a 5-part series. Part I, listing Public Health Service research grants, Parts II and IV, listing grants for training and health services, respectively, have already been published. Part V, summarizing data on the first four parts, will be published later this year.

Copies of the new booklet entitled “Public Health Service Grants and Awards, Fiscal Year 1964 Funds, Part III, Construction of Health Research Facilities and Hospital and Medical Facilities” may be purchased from the Superintendent of Documents, U.S. Goyton, D.C. 20401 at 25 cents each.

**Safety Section Handles Operator Card Program**

Effective April 7 the Government Vehicle Operator ID Card Program was transferred from the Guard Office, Building 10, Room 1A06, to the Safety Section of the Plant Safety Branch in Building 31, Room 1B34.

Additional information may be obtained by calling Ext. 65325.
DHEW AWARDS

(Continued from Page 1)

Also honored at the ceremony was Dr. Robert H. Felix, retired Director of the National Institute of Mental Health, who received a Distinguished Service Medal.

Dr. Zubrod received his award "for his continuing contributions to cancer chemotherapy, research program administration, and drug metabolism research."

Dr. Williams was honored "for his outstanding leadership in the progressive development of automation methods in Clinical Pathology," and Mr. Learmouth was cited "in recognition of his outstanding leadership in administration and achievement of management efficiency in a research environment."

Dr. Masur's award was "in recognition of his distinguished contributions to, and his outstanding achievement in, the support of the clinical research in the field of hospital planning, construction, operation and administration, never losing sight of the primary objective—the highest quality of patient care."

Citations Stress Leadership

Dr. Murray's citation was "in recognition of the excellence of his achievements and his superb leadership in scientific research. He has elevated the Division of Biologies Standards to the position of world-wide authority for government and industry."

Dr. Felix, now Dean of the School of Medicine of St. Louis University, Mo., received his award "in recognition of his distinguished contributions and achievements in mental health."

"Throughout his career," the citation continued, "he has demonstrated a uniquely broad understanding of philosophy of health, society and science, with a zeal to improve the lot of the mentally ill, a courage to surmount the obstacles, and a quality of leadership that inspired both layman and professional with new concepts and programs for action."

Ten researchers from NIH were the recipients of DHEW Superior Service Awards. They are:

Christian B. Anfinsen, Ph.D., Chief, Laboratory of Chemical Biology, National Institute of Arthritis and Metabolic Diseases, "for significant contributions to the knowledge of mechanisms of protein biosynthesis and structure-function relationships in proteins, resulting in greater insight into genetically determined diseases in man."

N. Raphael Shulman, M.D., Chief, Clinical Hematology Branch, NIAMD, "for impressive and significant contributions to hematology, especially in the field of platelet immunology."

Karl Frank, Ph.D., Acting Associate Director for Intramural Research, National Institute of Neurological Diseases and Blindness, "for recognition of his significant scientific contributions in the study of basic mechanisms operating in the nervous system at the single cell level."

Sidney Udenfriend, Ph.D., Chief, Laboratory of Microbiology, National Institute of Dental Research, "for his exemplary leadership in basic and disease-oriented research involving the role of microorganisms in cause and search for control of dental diseases."

Nathan W. Shock, Ph.D., Chief, Gerontology Branch, National Heart Institute, "in recognition of his significant role in arousing scientific interest in the problems of aging and the development of the field of gerontology."

Clinical Center Blood Bank Reports March Donations

During March, the Clinical Center Blood Bank reports, 168 units of blood were received from NIH donors. In the same period CC patients received 2,003 units of blood.

The Bank also reports a new gallon-donor: Philip J. Arnaiz of the Plant Engineering Branch, Division of Research Services.

A reminder to the artists in our midst: entries for the 7th Annual NIH Art Show must be submitted next Friday, April 23, between 5 and 6 p.m., in the 14th floor gymnasium of the Clinical Center, for judging that evening. There is a fee of $1 per entry.

All NIH personnel, members of their immediate families, and Clinical Center patients are eligible to compete in five categories for a total of $300 in prize money.

Winners will be selected by noted judges Alexander Gianpietro, Head of the Ceramics Department, Catholic University; Jacob Kainen, Director of Graphics, Smithsonian Institution; and Samuel Bookatz, artist and owner of the Bookatz Gallery, Alexandria, Va.

Work not accepted for the exhibit may be picked up April 26, between 4 and 6 p.m., in the West Bay of the Clinical Center lobby.

Instructions and entry blanks are available for the 7th Annual NIH Art Show must be submitted by April 23. Entries for the exhibition must be submitted between 4 and 6 p.m., in the West Bay of the Clinical Center lobby. Entries for the exhibition must be submitted April 23, between 5 and 6 p.m.

Entry blanks are available for the exhibition must be submitted April 23, between 5 and 6 p.m.

NIH Artists Reminded of Apr. 23 Entry Deadline

Yolles Appoints Grant Chief of New Section

Dr. Stanley F. Yolles, Director of the National Institute of Mental Health, recently announced the establishment of a new Social Psychiatry Section in the Community Research and Services Branch and the appointment of Dr. Quentin A. F. Rae Grant as Section Chief.

The goals of the Social Psychiatry Section will be to study the social, environmental and cultural factors that influence mental health care, and to define the impact of different patterns of mental health care on the social, occupational and cultural life of the patient.

Previous Positions Listed

Dr. Grant was formerly Director of Mental Health for St. Louis County, Mo. While in St. Louis, he was Assistant Professor of Psychiatry at Washington University. Prior to that he served as Assistant Director of the Child Psychiatric Service at Johns Hopkins Hospital (1960-62) and Director of Child Psychiatry at the Jewish Hospital of St. Louis (1968-69).

A native of Aberdeen, Scotland, Dr. Grant was on the staff of Maudsley Hospital in London and was psychiatric resident at the Institute of Psychiatry at London University.

He received his medical training at the University of Aberdeen, where he did his internship and two years of residency at the University's Department of Psychiatry.

Dr. Grant is a Fellow in the American Orthopsychiatric Association and a member of the American Psychiatric Association, and the American Association for the Advancement of Science.

We have added more than 12 million persons to the Nation's population since 1960, the Census Bureau estimates. If rates continue, we will reach 200 million before the end of 1967.
LIFE ISLAND
(Continued from Page 1)

designed with a primary concern for burn and renal patients. Pioneering in the use of the Island, however, the Cancer Nursing Service has helped fulfill a new purpose for the patient-isolator.

In the patient with acute leukemia, Miss Coburn said, the benefit of reverse isolation is especially notable. For whereas intensive chemotherapy greatly enhances his prognosis with respect to leukemia, at the time of treatment it also opens him to the dangerous threat of being very highly susceptible to infection. Reverse isolation obviates that threat.

Use of the Life Island, however, has not been so simple a matter as might appear from the record of its operation in the Clinical Center.

Special Training Required

According to Anne Crum, preparation for occupancy of the unit is, in itself, a meticulous and time-consuming operation. This involves the training of nurses and the orientation of other hospital departments in its use, as well as special coordination with the Central Sterile Supply Service.

Mrs. Crum described in detail the preparation of the patient, which requires several days and involves "constantly reducing microbial counts on the patient's skin and hair by Phisohex prep and fresh changes of sterile linens."

Nor does preparation stop there. The attainment of essentially negative microbial counts within the Island and transferral of the patient into the unit without contaminating it has to be anticipated also.

"The ability to anticipate needs is the first requirement for those caring for a patient in the Life Island," Patricia Kelley said, "because answering the patient's needs is invariably compounded by the nurse's added responsibility to keep the patient's environment as germ free as possible."

Nursing Is Complex

The complexity of this kind of nursing care is strikingly apparent to anyone who knows the many resources that must be available for an extremely sick patient: apparatus for the administration of oxygen, urinary drainage, emergency drugs, food, drink, intravenous infusion equipment, and recreation items such as books.

These things and others must be made available to patient care in such a way that his environment remains highly sterile.

"This means," Mrs. Kelley said, "that sterilized items have to be wrapped, and in some cases doubly wrapped, to assure their sterility once they are taken from the ultraviolet light lock on the patient's wrapped, and in some cases doubly wrapped, to assure their sterility once they are taken from the ultraviolet light lock on the patient's environment."

Nurse Linda Coburn (left) serves dinner by sterile technique to "patient" in the isolator. She is accompanied by CC Dietitian Vilma Grossi. The CC Nutrition Department prepares and sterilizes the foods and utensils prior to use.—Photo by Thomas Joy.

Thymus Role in Immunologic Competence, Resistance to Tumors Studied in Mice

Results of two National Cancer Institute studies indicate that lymphoid cells from post-natal donors that have been under the maturing influence of the thymic humoral factor should also restore newborn thymectomized mice, whereas lymphoid cells from newborn mice should lack this ability.

Mice Thymectomized

In a study to shed light on this question, groups of inbred mice were thymectomized within 12 hours of birth and were injected intravenously one day later with cells from newborn thymus, adult thymus, lymph nodes, spleen, or bone marrow.

Parameters such as body weight curves, survival rates, peripheral blood counts, and antibody responses to various antigens were studied, and results showed that these criteria must be considered together to arrive at a reliable evaluation of the extent of restoration.

By the end of the eighth week, all control thymectomized mice were dead. About half of the mice injected with neonatal thymus cells survived beyond eight weeks, but those injected with adult thymus cells died.

Nurse Janet Lunceford demonstrates the increased dexterity needed for taking patient's temperature.—Photo by Jerry Hocht.

Using the sleeves and rubber gloves attached to the isolator, Nurse Janet Lunceford demonstrates the increased dexterity needed for taking patient's temperature.—Photo by Jerry Hocht.

In the second study, the role of the thymus in controlling resistance to polyoma virus-induced neoplasms was observed. C57BL mice, normally resistant to polyoma virus, were thymectomized at birth and at 4 to 6 days were injected with polyoma virus.

Most of them developed tumors of the parotid gland and all were dead within three months. However, more than half of a group thymectomized but receiving adult spleen cells from donors of the same strain at 48 hours remained tumor-free and in good condition at eight months.

This indicates that mice of this group that developed tumors did so because the virus was introduced before adequate restoration of the immunologic faculty; induction of tumors by polyoma virus was almost completely prevented in C57BL mice receiving spleen cells when virus was inoculated at 10 to 12 days.

Dr. Reginald S. Lourie, Director of Psychiatry at Children's Hospital and Hillcrest Children's Center in Washington, D.C., has been appointed to the National Advisory Mental Health Council.

Dr. Lourie's appointment will extend through September 30, 1968.
Dr. Grant Named Chief Of OIR's Paris Office, Succeeds Dr. Hutter

The NIH Office of International Research has announced the appointment of Dr. Robert P. Grant as Chief of its European Office with headquarters in Paris, France, effective April 11.

Dr. Grant, Assistant Chief of the European Office since July 1962, succeeds Dr. Charles P. Hutter, who recently accepted the position of Science Officer (Bio-Medical Attaché) at the U.S. Mission to the European Office of the United Nations and Other International Organizations, Geneva, Switzerland.

In his new position, Dr. Hutter will assist in the conduct of biomedical affairs of joint concern to the U.S., the World Health Organization, and other international groups.

As Chief of the OIR Paris office, Dr. Grant will be responsible for conducting its three primary functions:

1. Advance the program and policy interests of the NIH, and the scientific knowledge, training, and research objectives of individual U.S. scientists or U.S. scientific institutions.
2. Provide NIH with information on scientific interests, capabilities, and resources available in other countries to solve mutual problems and promote mutual interests.
3. Carry out NIH responsibilities with respect to active, pending, or planned research projects, and in relation to research objectives generated through the NIH intramural or extramural programs.

Comes Here in 1950

Prior to joining OIR in 1962, Dr. Grant served as Visiting Professor (1961-62) with the Commonwealth Fund of New York City. He came to NIH originally in 1950 as Chief of the Cardiodynamics Section of the National Heart Institute, later serving as Assistant Chief of NIH's Grants and Training Branch.

He received his A.B. degree from Cornell University in 1937, his M.D. in 1940 from the Cornell University Medical College, and served his internship and residency at Peter Bent Brigham Hospital in Boston. Dr. Grant, a Diplomate of the National Board of Medical Examiners and the American Board of Internal Medicine, also is certified in sub-specialty Cardiology by the American Board of Internal Medicine.

He is a member of the American Association for the Advancement of Science, American College of Cardiology, American Federation for Clinical Investigation, and the American Heart Association.

Nursing Assistant Jobs Are Available Now at CC

Nursing Assistants are in demand at the Clinical Center. This job opportunity offers great personal satisfaction to men and women who have a high school education or equivalent experience and whose general background vouches capable character.

Nursing Assistants may specialize in Medicine and Surgery, Operating Room, or Psychiatry.

Under supervision and direction of professional nurses, Nursing Assistants perform a variety of personal care and nursing care procedures.

Duties Mentioned

They bathe patients and perform other hygienic and comfort measures; take and record temperature, pulse, and respiration; and observe and report changes in patient's behavior and signs of changes in condition.

They also assist the professional nurse and the physician with procedures and examinations. Those assigned to operating room work assist nurses and surgeons in operating room activities.

Salaries Listed

With considerable opportunity for salary increases, basic starting salaries are $3,680 or $4,005 per annum—depending on previous experience and/or education.

Applicants for these openings will find further details in Announcement No. B-30-1-(65), obtainable from the Board of U.S. Civil Service Examiners, National Institutes of Health, Bethesda, Md. 20014.

Sgt. Henry Taliaferro, NIH Guard Force, Dies

Sgt. Henry L. Taliaferro, a 12-year veteran of the NIH Guard Force, died recently after suffering a sudden heart attack.

Sgt. Taliaferro came to NIH in 1953 from the National Naval Medical Center where he also served on the guard force.

Praised by Craumer

Capt. J. L. Craumer, Chief of the NIH Guard Force, commended Sgt. Taliaferro as an "outstanding and dedicated" officer whose "exceptional leadership and high standards of performance commanded the respect and loyalty of his fellow workers."

A veteran of the U.S. Air Force, Sgt. Taliaferro is survived by his wife, June; a son, Guy; and a daughter, Gail, all of the home address, 42 Buchanan St., N.E., Washington, D.C.

Burial was in Arlington National Cemetery following services at the Mount Gilead Baptist Church in Washington, in which Sgt. Taliaferro held a Deaconship.

Dr. Neurauter Appointed DFR Special Assistant

Dr. Lloyd J. Neurauter has been appointed Special Assistant to the Chief of the Animal Resources Branch for the National Primate Research Center Program, Division of Research Facilities and Resources.

Dr. Neurauter will be administratively responsible for the National Primate Research Center Program which consists of seven large-scale centers where scientists from all biomedical disciplines conduct studies on primates.

Public Health Service grants not only provide full construction costs, averaging $2 million a center, but also provide continuing operational costs, including salaries of the core scientific, technical, and other staff, maintenance, some research projects, and purchase of animals.

Centers Are Models

While differing in design and layout, depending on its scientific mission, each center is a model for the care, housing, and humane use of laboratory animals. Facilities of all the centers are available to scientists throughout each region as well as to visiting scientists from other parts of the country.

Dr. Neurauter was born in Greeley, Colo., and received his D.V.M. degree in 1944 from Colorado State University and his M.P.H. from the University of Michigan in 1952.

Former NHI Scientists Named for '65 Awards

Two scientists formerly of the National Heart Institute's Experimental Therapeutics Branch have been named recipients of Burroughs Wellcome Fund Clinical Pharmacology grants for 1965.

The awards went to Dr. J. Richard Crout, at NIH from 1957 to 1960, now at Northwestern Medical School of the University of Texas; and to Dr. John A. Oates, on the NIH staff from 1958 to 1963, and now at the School of Medicine of Vanderbilt University.

Schools Receive Grants

The grants honoring Drs. Crout and Oates will be given in their names to support a section of clinical pharmacology at their medical schools.

This makes a total of three of the $100,000 Clinical Pharmacology awards that have been presented in honor of investigators who worked and trained in the NIH Branch.