

the NIH Record

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HEALTH, EDUCATION, AND WELFARE

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NATIONAL INSTITUTES OF HEALTH
PUBLIC HEALTH SERVICE

How Cells Direct Energy Is Subject Of NIGMS Grant

The mechanisms by which the individual cell, the basic unit of life, regulates the conservation and utilization of energy in a host of complex biological reactions will be studied under an initial grant of \$688,282 to the University of Pennsylvania Medical School, to be administered by the National Institute of General Medical Sciences.

Dr. Britton Chance, internationally known for his contributions to biochemistry and biophysics, will be in charge of the study, which is expected to run for seven years and cost more than \$3.5 million.

Named to New Post

Dr. Chance was recently named to the newly created position of Eldridge Reeves Johnson Professor of Biophysics in the Medical School. He also serves as Director of the Johnson Foundation.

In announcing the award, Dr. Luther L. Terry, Surgeon General of the Public Health Service, noted that a complete description of the processes of energy storage and use in cell function is a prerequisite to the understanding of the physiological and biochemical control mechanisms of energy metabolism.

The "medical implications of this research are not restricted to any

(See CELL STUDY, Page 7)

Dr. Louis Jacobs Named Chief of PHS Division

Dr. Louis Jacobs, Chief Psychiatric Consultant for the Public Health Service's foreign quarantine program in Europe, has been appointed Chief of the Division of Foreign Quarantine at headquarters, Department of Health, Education, and Welfare, as of July 1.

In his new position he will succeed Dr. James G. Telfer who is retiring from the Service after 28 years. Dr. Telfer has been with the Division of Foreign Quarantine since 1958, first as tuberculosis consultant at the European office in Paris, and for the past three years as the Division chief.

Victory Over Heart Disease Is NHI's 16th Birthday Wish

By Tony Anastasi

The National Heart Institute is celebrating its 16th anniversary today with a birthday wish that heart disease—the Nation's and perhaps the world's number one killer—may soon be conquered.

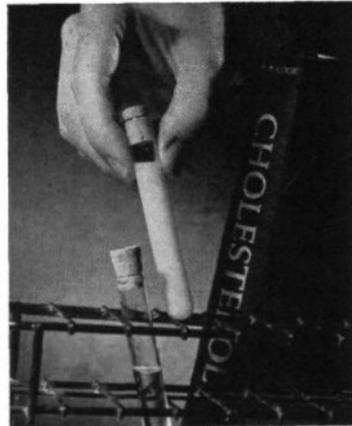
NHI, established by Congress on June 16, 1948 and now directed by

Dr. Ralph E. Knutti, has made many contributions in the battle against heart disease—the leading cause of death in the United States since 1921.

Diseases of the heart and blood vessels afflict over 10 million persons and cause over half of all deaths every year. Heart disease in the U. S. killed an estimated 990,000 persons in 1963, an increase of nearly 43,000 over the previous year.

Heart disease is also an international problem. It tops the list of killers and is responsible for one-third of all deaths in Australia, Canada, Denmark, Finland, France,

(See HEART DISEASE, Page 5)



This is cholesterol in the blood. Blood plasma, normally clear, turns milky white when levels of cholesterol and other fatty substances become abnormally high.—Photo by Jerry Hecht.



Dr. Knutti



Dr. Johnson

Dr. Karl M. Johnson has been appointed Director of the Middle America Research Unit (MARU), a medical research component of the National Institute of Allergy and Infectious Diseases, conducted in collaboration with the Walter Reed Army Institute of Research (WRAIR).

Located in the Canal Zone, MARU is a center for field, laboratory and clinical research on viral diseases and other tropical diseases.

Dr. Johnson's appointment, announced by Dr. Dorland J. Davis, Director of Intramural Research, NIAID, will fill the vacancy created by the death of Dr. Henry K. Beye on April 8. Dr. Johnson will assume his new office July 1.

Contracts Fever

Prior to his appointment, Dr. Johnson had served as Head of MARU's Virus Diseases Section since May 1963. During that time he participated in important laboratory and field investigations of Bolivian hemorrhagic fever, a disease that he and some of his colleagues contracted in the process of the research studies.

After his recovery from the disease last summer, Dr. Johnson visited the United States and spoke on MARU's work and on his own experience with Bolivian hemorrhagic fever.

The Bolivian hemorrhagic fever studies, a research effort sponsored jointly by the Bolivian government, the Pan American Sanitary Bureau, the Caribbean Command of the U. S. Army and the Middle American Research Unit, has resulted thus far in the isolation of a virus believed to be responsible for the disease.

Hemorrhagic fever was first discovered in Bolivia in 1959, and

(See MARU, Page 3)

Unique NIH Library Translation Service Keeps Staff Abreast of World Research

The NIH Library is unique among research libraries in providing a translating service that enables the NIH staff to keep abreast of research progress in other countries.

Located on the 11th floor of the Clinical Center, the Translating Unit, Readers Services Section, Library Branch, Division of Research Services, is headed by William H. Everhardy.

A phone call to Ext. 62257 can provide a translation of a title of a book, article, or chapter, an interpretation of column headings in a table, or advice on the correct meaning of an important verb form or prepositional phrase.

An appointment can be made over the phone for an oral translation of a summary, a methodology, or other pertinent portions of an article.

A request on Form PHS-3368, signed by the designated approving officer of an Institute or Division and sent to Mr. Everhardy, will

(See TRANSLATION, Page 3)



Paul V. DePorte of the Library's Translating Unit demonstrates the recording of oral translations, one of three methods used in making translations requested by NIH staff.—Photo by Bob Pumphrey.

the NIH Record

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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

HEALTH EDUCATION PROGRAM

Beginning tomorrow, the Employee Health Service will schedule a monthly presentation of medical films to convey health facts on a variety of subjects. This is an opportunity for all NIH employees to obtain useful and interesting health information.

The films will be introduced by appropriate consultants who will be available for discussions. Related literature also will be distributed, and employees will be invited to visit the Employee Health Service if additional information is desired.

Films Shown Twice

The length of the films will vary from 15 to 30 minutes and will be shown twice during the lunch hours. If there are large enough groups of employees who are unable to attend at these times, special showings can be arranged on request. The films will be shown in the Clinical Center auditorium at 11:45 a. m. and again at 12:30 p. m.

The first three topics to be covered, the name of each film and its presentation date are: Hazards of Smoking—Time Pulls the Trigger—June 17; Mental Health—Anger at Work—July 15; and Safety—One Day's Poison—Aug. 12.

Other subjects to be scheduled include Alcoholism, Narcotics, Dental Education, Physical Fitness, Preparation for Retirement, and Nutrition.

EMPLOYEE-MANAGEMENT

In January of 1962, President Kennedy issued Executive Order 10988 which depicted, for the first time, a comprehensive and positive set of policies to govern and guide employee-management cooperation

(See PERSONNEL, Page 8)

32 of CC Staff Take Supervisory Training, Receive Certificates

Thirty-two staff members of the Clinical Center's Environmental Sanitation Control Department recently completed, in two separate courses, a 22-hour labor supervisory training program and were awarded certificates.

The courses, conducted by the Employee Development Section of the Personnel Management Branch with the assistance of Clinical Center executives, was designed "to promote the supervisor's ability to assume responsibility and to deal more efficiently with his co-workers."

It covered such topics as "Know Your Worker," "Getting Your Job Done," and "Personnel Management."

Participants Listed

Personnel who completed the courses were Mrs. Inge R. Sander, Francis L. Schulte, Mrs. Lucille E. West, Mrs. Fannie C. Dickens, Mrs. Ruie R. Turner, Miss Audrey L. Snyder, Mrs. Maybelle H. Newby, James F. Garner, Roy Upton Mason, Fred Whitaker, Walter E. Moten, James N. Kellum, Robert T. Perrin, Charlie Chandler, Eugene A. Hill, William H. Lomax, and William H. Bell.

Also Horace E. Carpenter, Mrs. Lillian N. Wells, Mrs. Virginia K. Hardiman, Forester Gibbons, John R. Haygood, Blease Kelley, John A. Stanmore, Howard W. Mason, Charlie R. Hardy, Colon I. Flood, Arthur Bolling, Louis H. Holly, Harry L. Davis, Herbert W. Green, and Augustus C. Proctor.

Mrs. Sander and Mr. Schulte, after successfully completing the first course, became instructors in the second course. Others who participated as instructors were John

JFK Library Donations Total \$9,221 to Date



NIH Information Officers and Information staff members happily turn in donations collected June 3 for the John F. Kennedy Library Fund. They are (left to right): Don Goldthorpe, NIGMS; Helen Neal, DRFR; Lura Jackson, NIMH; Vic Wartofsky and Mary Anne Gates, NIAMD; Faye Heil, DBS; Ruth Fries, NICHD; Elsie Fohrenthold, CC; Bob Walters, DRS; Dan Rice, ORI; Lealon Martin, NHI; Lynn Meyer, NINDB; Bryson Fleer, NIAID; Lillian Gluckman, NIDR; Alex Adler, DRG; and Norma Golumbic, NCI.—Photo by Bob Pumphrey.

As this issue of the *Record* went to press, incomplete returns from John F. Kennedy Library Day at NIH revealed that on June 3 NIH employees contributed \$9,221.05 toward the national memorial to the 35th President, to be built on the banks of the Charles River in Cambridge, Mass.

In a statement transmitted to all Division Chairmen and Keymen by Clifford F. Johnson, Chief of the Office of Research Informatics and Chairman of the NIH campaign, Dr. James A. Shannon, Director of NIH, said:

Dr. Shannon Gratified

"I am indeed pleased at the results of the John F. Kennedy Library Fund Drive here at NIH. The staff has responded remarkably to the one-day Drive, and the Keymen and Division Chairmen have done a fine job in helping NIH achieve a substantial percentage of participation in the memorial to our late President.

"I know that a number of our staff were necessarily absent—either in leave or travel status—on June 3, so I hope that they will be given an opportunity to take part within the next day or two before our books are finally closed."

In line with Dr. Shannon's suggestion, Mr. Johnson designated tomorrow (Wednesday) as Clean-up Day for the NIH drive. "I hope," he said, "that we can do this in such a way that no one feels

that he is being pressured or asked to make a donation; rather, that it is solely for the purpose of providing an opportunity to take part for those who may not have had that opportunity on June 3."

DRFR Leads Units

The Division of Research Facilities and Resources was the one campaign unit to achieve 100 percent participation. The National Institute of General Medical Sciences was second with 79.5 percent, the National Institute of Mental Health was third with 72.4 percent, and the Division of Biologics Standards was fourth with 71.9 percent. The remaining units were below 60 percent.

Final results of the drive, to be concluded with Clean-up Day here tomorrow, will be published in the June 30 issue of the *Record*.

Hemphill Contributes to Medical Records Guide

Dr. Fay M. Hemphill, Scientific and Technical Information Officer of the National Cancer Institute, has contributed to a "Guide to the Development of an Industrial Medical Records System" recently published by the Committee on Industrial Medical Records of the American Medical Association.

The Guide discusses objectives, criteria, professional responsibility for maintenance, nomenclature, classification, and methods for record and data management.

Illustrations are included of essential forms especially applicable for medical records of small plants and businesses. The 28-page publication may be obtained from the American Medical Association, 535 North Dearborn St., Chicago, Ill.

Dr. Hemphill was a member of the original 8-member committee which began preparation of the Guide. It was later carried to completion by a second committee.

M. Sangster, Chief of the Personnel Management Branch and Louis A. Voegler, also of PMB.

Clinical Center staff who assisted in the program were Dr. Jack Masur, Director, and Dr. Clifton K. Himmelsbach, Associate Director; Philip P. Simon, Executive Officer; Michael A. Wiencek, Personnel Officer; and Howard W. Spence, Head of the Environmental Sanitation Control Department.

TRANSLATION

(Continued from Page 1)

obtain a written translation.

Oral translations in English are available from German, Spanish, French, Italian, Portuguese, Czech, Russian, and Hungarian. Written translations into English from almost any language may be obtained, prepared directly by the Translating Unit staff or by a reliable commercial translating service under contract.

In 1963, 600 hours were devoted to oral translation of requested portions of articles. Two million English words were translated in written form by the Translating Unit. It also was possible to have 500,000 English words translated through the contract method in 1963.

Other services offered by the Translating Unit are translation, on contract, of English papers or summaries into foreign languages, a file of approximately 5,000 prepared translations, and a monthly bulletin, Recent Translations—a Selected List.

Retention Copies Available

Retention copies of the NIH translations on file may be secured by NIH personnel upon request. A 2-week borrowing privilege also is afforded non-NIH persons.

The monthly bulletin which lists translations made during the preceding month or those received as gifts from other organizations will be mailed to anyone requesting it. Gift translations from other libraries are available to all requesting them on a loan basis.

The Translating Unit anticipates that it will soon be better equipped physically to handle translations. Assignment of Rooms 11N114 through 11N119 will provide improved accommodations for all types of translating.

MARU

(Continued from Page 1)

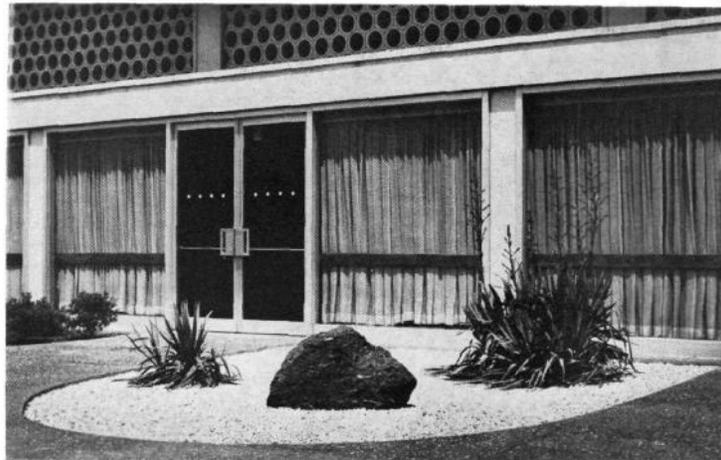
is threatening efforts for the economic and agricultural development of fertile areas in the north-eastern Bolivian province of Beni.

Dr. Johnson received his M.D. from the University of Rochester in 1956, where he previously received an M.S. in bacteriology in 1955. A member of Phi Beta Kappa, he graduated with an A.B. degree from Oberlin College in 1951.

After completing a year of residency at Presbyterian Hospital in New York City in 1958, Dr. Johnson received a commission in the Public Health Service.

He served as a senior assistant surgeon in the Laboratory of Infectious Diseases, NIAID, from 1958 to 1960. After completing this tour of duty, he continued there as a senior surgeon.

Milford Myers, Small Staff Work Hard To Maintain the Natural Beauty of NIH



Yucca plants are set in teeterstone gravel with boulders of volcanic material called feather rock, a part of the Japanese gardens in the patio outside the cafeteria on the first floor of Building 31.—Photos by Sam Silverman.

Preservation of the natural beauties of the NIH reservation is the first concern of Milford Myers, Chief of the Grounds Maintenance and Landscaping Section, Division of Research Services, and his 45-man staff.

His second responsibility is site planning—installing the plantings that hide potential ugliness, soften hard building lines, and offer unexpected glimpses of beauty.

Keeping the beauties of NIH intact is a hard job. Building and parking lot construction have been serious threats to the fine old trees in residence here. The dogwood trees are particularly delicate and need constant care.

"So many of our trees have been weakened," Mr. Myers said, "that they are easy prey to insects and disease. We try to help them, but an old tree is like an old man, it cannot adapt easily to changing conditions."

Plants Zelkova Trees

Of the 44 maintenance men, 10 work on trees. In a recent tree census they discovered as many as 30 different varieties in one area.

To relieve the bareness of parking lots 31 B and C, north of Building 31, Mr. Myers planted rows of young Zelkova trees, a Japanese import that looks like and is used as a replacement for the American elm but is not so subject to Dutch elm disease.

Scenic spots that Mr. Myers is proud of having preserved include a horse chestnut tree near Wisconsin Avenue; the Stone House setting; Cedar Lane woods; areas on the old golf course, and a buffer zone of old trees along Wisconsin Avenue.

In this month of June many areas of the reservation are colorful with roses. There are climbing roses covering the retaining wall near Building 31, the wall along South Drive and one side of Building 22. These have required four or five years of close attention, involving feeding, watering, pruning

Dr. Herbert Pahl Named Chief of the Research Support Branch, DRFR

Dr. Frederick L. Stone, Chief of the Division of Research Facilities and Resources, has announced the appointment of Dr. Herbert B. Pahl as Chief of the General Research Support Branch.



Dr. Pahl

He succeeds Dr. Robert B. Livingston who had been serving in a dual capacity as Branch Chief and Associate Chief of the Division. Dr. Livingston will now devote full time to the latter responsibility.

Dr. Pahl had been Chief of the Special Research Resources Branch. In his new position he will administer the general research support grant program which provides awards for broad support of institutional health science programs.

Joins NIH in 1960

Dr. Pahl joined NIH in 1960 as Executive Secretary of the Biochemistry Training Committee in what is now the National Institute of General Medical Sciences.

In 1962 he was named Scientist Administrator of the Special Research Resources Branch of the newly created Division of Research Facilities and Resources, was subsequently appointed Assistant Chief, and then Chief in 1963.

Born in Camden, N.J., Dr. Pahl received his B.A. degree with honors in chemistry and biology from Swarthmore College in 1950, and his M.S. and Ph.D. degrees from the University of Michigan.

He was an Atomic Energy Commission predoctoral Fellow from 1951 to 1952, and a National Science Foundation predoctoral Fellow from 1952 to 1954, both at the University of Michigan.

Holds NCI Fellowship

From 1954 to 1955 he was a Fellow at the Sloan-Kettering Institute for Cancer Research and from 1955 to 1957 held a postdoctoral fellowship with the National Cancer Institute. From 1957 until 1960 he was Assistant Professor of Biochemistry at Vanderbilt University.

Dr. Pahl is a member of the American Association for the Advancement of Science and the New York Academy of Sciences. He holds membership in Sigma Xi, Phi Lambda Upsilon, Phi Sigma and Phi Kappa Phi.

Education is what you have left over when you subtract what you've forgotten from what you learned.—*The Washington Post*.



View of little-known formal garden on the south side of Stone House, seen through window-like opening in a fieldstone wall that curves around a pool. Bill Phipps of Grounds Maintenance operates the powermower.

and spraying, Mr. Myers said.

Roses in June are obvious. But there are several garden spots on the reservation that few people know about. One is the circular plot in front of Building 6, which is filled with a lush planting of day lilies brought down from his country home by Dr. Wilton R. Earle, Head of the Tissue Culture Section, Laboratory of Biology, NCI, and planted in front of his office. Since the death of Dr. Earle on May 30, this planting of day lilies is now an appropriate memorial.

(See MYERS & STAFF, Page 6)

Perinatal Grant Made to Western Reserve Univ.

The problems of pregnancy, birth and infancy will be studied under a grant to Western Reserve University School of Medicine, Cleveland, Ohio, it was announced recently by Surgeon General Luther L. Terry of the Public Health Service.

The grant is for \$541,304 to operate a 12-bed clinical center to investigate perinatal problems. Obstetricians and pediatricians will follow each patient from prenatal through postnatal care.

Situated in the Cleveland Metropolitan General Hospital, the center will contain six obstetrical beds, a nursery with six bassinets, a labor-delivery room, two laboratories and other ancillary facilities. Co-directors of the center are Dr. Robert S. Schwartz, Associate Professor of Pediatrics, and Dr. Edward J. Quilligan, Professor of Obstetrics and Gynecology.

Projects Listed

Research projects to be conducted at the center are directed toward the reduction of infant mortality and disease. Among these will be a study of the occurrence of fetal anoxia, which often causes death of the fetus by oxygen deprivation. Another area of research will investigate the high mortality rate of babies of diabetic mothers.

The center will also provide a facility for research training of obstetrical and pediatric personnel.

This grant brings to 78 the number of general clinical research centers and to 1,010 the number of beds in these centers supported by PHS and administered by the Division of Research Facilities and Resources.

Lillian Gluckman, NIDR, Participates in Seminar

Lillian A. Gluckman, Information Officer of the National Institute of Dental Research, is conducting two workshops on science writing for dental editors at seminars being held at Ohio State University, Columbus, June 14-17.

Mrs. Gluckman was invited to conduct the workshops by the University's School of Journalism. Other participants in the seminar are the Director of the School, the editor of the Journal of the American Dental Association, and professors in the School of Dentistry.

Some 30 editors of State and regional dental publications attended the 4-day workshop, sponsored by NIDR in cooperation with the American Dental Association and the University's School of Journalism.

Purpose of the course is to help dental editors improve the format and content of publications.

NIH SPOTLIGHT

Sans Lab Coat, Gerald Shean Sparkles As Actor, Athlete, Singer, Producer

By Mary Anne Gates

Picture an NIH scientist without his white lab coat. Instead of placing him in his laboratory among rows of diversely shaped bottles and intricate equipment, imagine him out on the Chesapeake Bay, maneuvering a sailing sloop . . . or acting in a Dogpatch get-up on the Clinical Center stage . . . or skiing down a slope in Sun Valley . . . or singing romantic opera at the Watergate . . . or reading a bedtime story to six small children—his own.



In his laboratory, Dr. Shean operates a cell that continuously renews oil and aqueous phases and is used to determine potentials across oil membranes.—Photo by Jerry Hecht.

Any one of these roles might be ascribed to any number of NIH scientists. But considered all together, they could hardly apply to anyone but Dr. Gerald M. Shean, Jr.

Is NIAMD Researcher

During work hours, this versatile employee of the National Institute of Arthritis and Metabolic Diseases occupies a laboratory in Building 2, where he conducts research on artificial membranes, aiming to clarify physicochemical and biological membrane phenomena. After hours, however, his interests are less scientific and more diverse.

As a member of the Hamsters, NIH dramatic group, Dr. Shean has been active. He portrayed the title role in the musical comedy, "Lil' Abner," was co-producer of "Say Darling," played a part in "Pajama Game," and was the night club emcee and the commodore in this year's production of "Flower Drum Song."

Dr. Shean is quick to point out that his acting is strictly for fun, but admits he can claim one professional performance. He was a "paid spear carrier" in the production of "St. Joan" starring Siobhon McKenna.

Dr. Shean's role as the commodore in "Flower Drum Song" was not entirely fictitious. Last year

he was Rear Commodore of the NIH Sailing Club, which he helped to organize.

Members of this club have recently undertaken the building of six sailboats. Dr. Shean describes these craft, four of which have been completed, as "two-thirds of a Thistle." Of original design, they are 12 feet long and moulded in mahogany.

Another club that owes its organization in part to Dr. Shean is the NIH Ski Club. During ski season this group frequents ski resorts in the surrounding areas.

Dr. Shean's interest in sports is not confined to those that require water or snow. He feels equally at home on a gymnasium floor, football field, or track, and was a member of NIAMD's winning basketball team of several seasons ago—a small distinction in comparison with his high school and college sports accomplishments.

Excels in Sports

While attending high school at the Baltimore Polytechnic Institute, Dr. Shean was Maryland scholastic high jump champion, and at Carleton College, Northfield, Minn., he was captain of track and a member of the football team. He also tried out for the Olympic track team and placed in the NCAA hop, step, and jump.

In recent years Dr. Shean has sung in several presentations of the Washington Civic Opera Association—as one of 13 NIH vocalists in "Der Freischutz," a romantic opera performed at the Watergate, and in the association's recent presentation of "The Student Prince."

SMB Issues New Edition Of NIH Supply Catalog

The arrival of the new NIH Supply Catalog, illustrating its wares with more than 1,000 drawings, has been announced by James B. Davis, Chief of the Supply Management Branch.

The catalog caters to all the needs of the complex NIH community, offering furniture and equipment supplies for the laboratory, hospital, and office. It was prepared by Ben Cohen of SMB's Property and Supply Section.

Recognition as an outstanding publication was recently received from a member of the Oxford (England) Regional Hospital Board. On tour for a study of se-

Dr. Robert Felix Wins Honors From NCSW, Univ. of Rochester

Dr. Robert H. Felix, Director of the National Institute of Mental Health, was honored recently by the National Conference on Social Welfare and the University of Rochester.



Dr. Felix

The NCSW presented Dr. Felix with its Annual Conference Award in recognition of "his brilliant leadership in helping the Nation move from the level of humane care for the mentally ill, to greater public awareness that psychiatric disorders can be successfully treated, to a vision of promoting mental health."

"Without his dedication, tireless effort, wisdom, astute leadership, humor and warmth," the citation read, "this unusual record of accomplishment in the war against mental illness would not have been possible."

Top Social Work Award

The award, which is the highest in the field of social work, was presented by Dr. Nathan E. Cohen, NCSW President, before 5,000 social workers in convention at Los Angeles. Dr. Milton Wittman, Chief of the Social Work Section, NIMH, accepted the honor for Dr. Felix.

At the University of Rochester's 114th commencement ceremonies, Dr. Felix was awarded an Honorary Doctor of Science degree.

In citing his career in the Public Health Service, the University's President, W. Allen Wallis, said that few men single-handedly preserve their discipline from chaos and defeat as has Dr. Felix in his contributions to community psychiatry.

"Throughout his mature life," Dr. Wallis said, "he has carried a lamp of sane benevolence, guided by the philosophy of public service, with incalculable benefit to his fellow man."

lected American hospitals and medical research organizations, the catalog was described as the most comprehensive and best prepared in a report.

For the first time, distribution of the catalog was made under a mailing key and was addressed by title, organization and location, rather than by name and location, as heretofore. Distribution was made through the facilities of the Printing and Reproduction Section, OAM.

Ordering offices may obtain copies by calling Ext. 63504.

HEART DISEASE

(Continued from Page 1)

West Germany, The Netherlands, Norway, Sweden, Switzerland, United Kingdom, and the U. S.

During the last 16 years, NHI has been a leading force on a national and international scale in the war against cardiovascular disorders. Congress appropriated for NHI more than \$132 million for Fiscal 1964 to support a variety of programs, including 12 intramural laboratory groups, more than 2,000 extramural research grants in the U. S. and overseas, and many collaborative and epidemiological studies.

Occupies Temporary Quarters

NHI began with a handful of people, two typewriters, and a few chairs and file cabinets in two rooms in a temporary building here.

The Institute was then headed by Dr. J. C. Van Slyke, the first Director. Now it is headquartered in the modern, award-winning Building 31 on the NIH reservation, with other employees in Build-



Dr. Van Slyke



Dr. Watt

ing 3, the Clinical Center, the Westwood Building, and out of town, altogether totalling nearly 700 staff members.

One of its early responsibilities was the Heart Disease Epidemiology Study at Framingham, Mass., which was transferred to NHI from the Bureau of State Services in 1949. In early 1950, NHI co-sponsored the First National Conference on Cardiovascular Diseases.

Dr. James Watt was the new Director of NHI, on hand to welcome the first patient admitted to the Clinical Center for heart disease research in July 1953.

Report Cites Advances

NHI scientists compiled an impressive list of scientific findings through the years, which contributed to a major report presented by NHI and the American Heart Association in "A Decade of Progress Against Cardiovascular Disease" in February 1959.

NHI scientists are now looking forward to the Second National Conference on Cardiovascular Diseases, which will review past accomplishments and serve as a launching point for a renewed fight against cardiovascular ills. The conference is scheduled for the lat-



The operating table is the battleground for science's campaign against heart disease. NHI surgeons have more working space and the most modern equipment in the recently completed, circular surgical wing in the Clinical Center. In this open heart procedure, NHI surgeons are repairing a heart defect with a patch of synthetic material.—Photo by Sam Silverman.

ter part of this year.

Areas of greatest progress in recent years against cardiovascular diseases, according to Dr. Knutti, are congenital heart disease, high blood pressure, and rheumatic fever. The advances have not been as dramatic in areas such as atherosclerosis and coronary heart disease.

"Surgery has contributed its share of achievements," Dr. Knutti said. "Most congenital and acquired heart defects can now be repaired. Artificial heart valves are being successfully installed in many patients."

"Heart surgeons have valuable aids to rely on, such as better anesthetics and the heart-lung machine, which performs the circulatory duties of the heart and lungs during an operation."

Artificial Heart Sought

One of the most significant accomplishments in heart research, according to some leading cardiologists, will be the perfection of an artificial heart and the possibility of transplantation of hearts, which could occur within the next five years.

NHI programs have demonstrated over the last 16 years that great progress against the cardiovascular diseases has been made. But, as Dr. Knutti pointed out, "Although progress thus far has been gratifying, much remains to be done. There is every reason to believe that breakthroughs can be won and that, ultimately, the virtual conquest of heart disease will be achieved. The evidence of progress of the past year—and the recent years before—bears witness to such a view."

Dr. Colbert Is NIAID's Associate Director of Extramural Programs

Appointment of Dr. James W. Colbert, Jr., as Associate Director for Extramural Programs of the National Institute of Allergy and Infectious Diseases, was announced recently by Dr. Justin M. Andrews, Institute Director. Previously NIAID Associate Director for Collaborative Research, Dr. Colbert assumed his new duties April 1.



Dr. Colbert

In his new position he will serve as the Director's representative for research grant activities of the Institute, whose grants support over 2,000 research projects in allergy and infectious diseases in laboratories, hospitals, universities and medical centers throughout the United States and in some foreign countries.

Dr. Colbert joined NIAID in 1962, coming from St. Louis University where he was Dean of the School of Medicine and Assistant Professor of Internal Medicine.

Joins Yale Faculty

He received his B.A. from the College of Holy Cross, Worcester, Mass., in 1942 and his M.D. from Columbia University in 1945. After internship at Bellevue Hospital and service in the Army Medical Corps, he joined the Yale Faculty of Medicine.

In 1949 Dr. Colbert went to Munich, Germany, as Clinical Director of the Hepatitis Research Team and Technical Director of the Hepatitis Laboratory for the U.S. Department of the Army.

From 1949 to 1953 Dr. Colbert was a staff member of the Yale University School of Medicine as Instructor of Preventive Medicine, Assistant Professor of Medicine and Assistant Dean.

He is a member of the American Medical Association, the American Association for the Advancement of Science, and Sigma Xi, and serves on the National Advisory Committee to the Selective Service System.

Light Elected Fellow of Technical Writers

Dr. Israel Light, Assistant to the Chief, Program Analysis and Scientific Communication Staff, National Institute of Mental Health, was recently elected Fellow in the Society of Technical Writers and Publishers, a group numbering more than 45 chapters with 4,000 members throughout the U.S.



Dr. Light

Dr. Light is the youngest and one of the first dozen elected to this membership category, which was established only a few years ago.

Dr. Light holds four degrees, including the Ed.D. His undergraduate work was done in the pre-medical sciences and his graduate work in the social-behavioral sciences.

Authors Many Papers

He is the author of some two dozen papers and monographs in the fields of communication, manpower, and professional education.

One paper was selected last year for inclusion in a first textbook of "Readings for Technical Writers," along with contributions by Bertrand Russell, C. P. Snow, Charles Darwin, Howard Mumford Jones, and others.

Dr. Light has been further honored by invitation to participate for the fourth consecutive summer as guest lecturer to the Annual Institute in Technical and Indus-

trial Communication, sponsored by the Colorado State University in July of this year.

Dr. Light has been in the Public Health Service since 1955, and has received two PHS Superior Service awards. Before joining NIMH in October of last year, he served with the NCI, DRG, and BSS in a variety of positions including those of medical science writer, educational adviser, information officer, special projects officer, and manpower specialist.

Dr. Chamberlayne Joins NIAID as Special Ass't

Dr. Earl C. Chamberlayne has joined the staff of the National Institute of Allergy and Infectious Diseases as Special Assistant in the Office of the Director.



Chamberlayne In his new position, Dr. Chamberlayne will assist in the direction of various Institute programs, particularly those carried on in collaboration with other research groups. He will also assist in coordination of the Institute's program of research on tropical problems and those involving comparative medicine.

Since 1952 Dr. Chamberlayne has been associated with the Pan American Health Organization and the World Health Organization. During this period, he was responsible for a broad program of public health consultation, research, and training in countries in Central and South America.

Supervises Research Groups

He also supervised the activities of two research institutes: the Pan American Zoonoses Center in Argentina and the Pan American Foot and Mouth Disease Center in Brazil, as well as a number of PAHO/WHO Expert Groups.

Born and reared in Canada, Dr. Chamberlayne received his D.V.M. from the Ontario Veterinary College in 1941 and his D.V.P.H. from the University of Toronto in 1945. In 1950 he qualified as a Diplomate in the American Board of Veterinary Public Health.

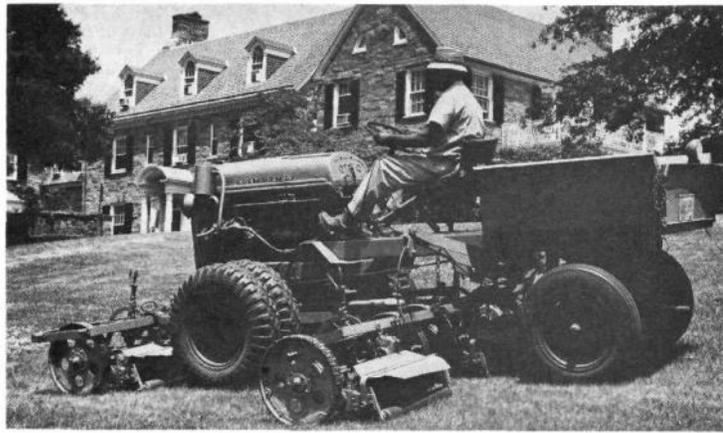
For 10 years Dr. Chamberlayne served various Canadian agencies, in the Canada Department of Agriculture as a veterinary officer and in the Manitoba Department of Health and Public Welfare as a public health veterinarian.

A member of numerous scientific societies and advisory committees, Dr. Chamberlayne has lectured at many universities throughout the United States and the Americas.

Michael Begab Named to Mental Deficiency Ass'n

Michael Begab, Social Work Advisor in the Mental Retardation Program of the National Institute of Child Health and Human Development, recently was appointed Vice President of the Social Work Section of the American Association on Mental Deficiency.

Mr. Begab will hold this post for two years and in this capacity will serve as Program Chairman for the association's annual conventions.



Willie Cade of Grounds Maintenance rides a big mower, one of two used by the section to mow the grounds of the NIH reservation. This one is seen in front of Stone House, cutting a swath 17 feet wide.—Photos by Sam Silverman.

MYERS & STAFF

(Continued from Page 3)

Mr. Myers wants NIH people reassured that the sprays used will not create a "silent spring." He uses materials less toxic than pyrethrin or rotenone, considered safe for birds and wildlife, and has had success with dormant spraying . . . that is, an oil applied to kill insect eggs and overwintering insects on bark and twigs.

He has also found a systemic insecticide that is absorbed through



This sunken walled patio is located outside the Executive Dining Room at the B-1 level of Building 31. The center tree is willow oak; some branches of fire crabapple trees on right can be seen. There is also a pool just inside the wall.

plant leaves, with protection lasting a full season. Unfortunately, this cannot be used on all plants. The soil at NIH, he said, is treated with chlordane, a chemical that kills ants and termites but doesn't kill earthworms.

Dead thrushes gave the section a good scare a while ago. When they were found, it was immediate-

ly assumed that insecticides had killed them.

When the laboratory investigated, drunkenness was found to have brought the thrushes to their end. They had been eating crabapples that had frozen and, in thawing, had fermented. Blind tipsy, the birds had killed themselves by crashing into walls.

Mr. Myers performs his complex duties by dividing his staff of 44 into five crews. In addition to the two 5-man crews that work on large and small trees, there is a crew of 11 who tend turf, a crew of three who maintain tools and equipment.

Heavy Equipment Used

A group of 18 men work with heavy equipment, building new roads, changing the course of streams, and hauling heavy loads. There is also a General Foreman, Charles H. Dove, and an Associate Landscape Architect, Thomas J. Cook.

Milford Myers, born in Butler, Pa., is a graduate of Pennsylvania State University. After graduation he spent three years in private landscape contracting in Gary, Ind., and Pittsburgh, Pa. For over three years he was a landscape architect with the Veterans Administration. He has been at NIH eight years.

His own lawn? Maybe he will put it in shape when the kids are grown.

Marine Band to Present CC Concert June 22

The first in this season's series of outdoor band concerts for Clinical Center patients will be presented on Monday, June 22, at 7:30 p.m. by the United States Marine Band.

NIH employees, their families and friends are invited to attend, although, of course, patients will have priority in seating. Arrangements for this event were made by the CC Patient Activities Section through the courtesy of the U. S. Marine Band.

Dr. Cummings Announces Appointment of Dr. Olch As Special Assistant

The appointment of Dr. Peter D. Olch as Special Assistant to the Director of the National Library of Medicine, has been announced by Dr. Martin M. Cummings, NLM Director.

"Dr. Olch's appointment," Dr. Cummings said, "represents an additional step to strengthen and expand the Library's scientific bibliographic activities in support of medical teaching, research and practice. His training in surgery and pathology will be valuable assets to the Library in its effort to serve the medical community."

Responsibilities Outlined

Dr. Olch will establish liaison with a large number of biomedical groups to develop better interpretations of their information service needs, Dr. Cummings said.

Dr. Olch will be particularly concerned with using to best advantage the NLM Medical Literature Analysis and Retrieval System (MEDLARS), the computer-based mechanism which stores and retrieves bibliographic citations from the world's biomedical literature, and with the development and improvement of the scientific terminology used in its operation.

Born in St. Louis, Mo., Dr. Olch received an A.B. degree from Pomona College, Claremont, Calif., in 1951 and an M.D. degree from Johns Hopkins, Baltimore, Md., in 1955. He remained at Johns Hopkins Hospital as a surgical intern until 1956 when he became Senior Assistant Surgeon at the National Cancer Institute and received a commission in the PHS Commissioned Corps.

Instructs in Surgery

From 1958 to 1959 he was a Surgical Resident at King County Hospital of the University of Washington in Seattle. The following year he was a Research Assistant and Instructor in the Department of Surgery.

In 1960 he was recalled to active duty in the Commissioned Corps and returned to NCI as a Resident in Pathologic Anatomy. In 1962 he was appointed a Resident in Clinical Pathology at the Clinical Center.

Dr. Olch is a member of the College of American Pathologists, the American Medical Association, the American Association for Cancer Research, the American Association for the History of Medicine, and the Society of Sigma Xi.



Dr. Olch

Eminent Clergy, Guests Attend Special Services Honoring Rev. Kerney

A distinguished assembly of clergymen and approximately 100 guests attended a Service of Ecclesiastical Recognition of the Rev. LeRoy George Kerney as a Protestant Chaplain in the Clinical Center on Wednesday evening, June 3, in the CC Chapel. A reception in the solarium followed the service.



Rev. Kerney

As presiding minister, the Rev. David G. Colwell, President of the Council of Churches of Greater Washington and Minister of the First Congregational United Church of Christ of Washington, presented the statement of purpose and administered the questions.

Officials Make Responses

Responses were made by the Rev. Arthur M. Romig, D.D., General Presbyter and Stated Clerk of the Presbytery of Washington City; the Rev. Virgil E. Lowder, D.D., Executive Director of the Council of Churches of Greater Washington; Dr. Clifton K. Himmelsbach, Associate Director of the Clinical Center; and Chaplain Kerney.

In his address, "By the Pools of Bethesda," Chaplain Kerney discussed some of the current issues that affect chaplaincy programs in a government medical research hospital and the opportunities that challenge such a ministry.

Noting the revolutionary change and progress in the care and treatment of the ill since Biblical times, he pointed out some of the universal elements that remain, such as the work of healing.

Cites Scientists' Role

Although we no longer think of a pool of water, waiting to be disturbed by an angel, as a healing agent, Chaplain Kerney said, "today's messengers are our scientific investigators who probe and disturb the outward surface of nature to discover new basic insights and devise more effective therapies."

Another of the universal elements that remains, he said, is the work of Spiritual Ministry. Man can be viewed as a living body, and today the chemical elements of the dust of which man is made can be named.

But, Chaplain Kerney explained, "man can also be viewed as a living spirit." He lives not only in an environment of time and space, bacteria, and viruses, but also in a world of meaning, belief, faith,



Dr. Stuart M. Sessoms, NIH Deputy Director (left), and Dr. Clifford A. Pease, Special Assistant for Scientific Affairs, OIR (right), welcome the Secretary-General of the Southeast Asia Treaty Organization, Konthi Suphamongkhon and his wife to a luncheon in their honor held in Conference Room 6, Building 31, on May 26. The Secretary General visited here because of his interest in the SEATO Cholera Research Program administered by NIH. Dr. Pease, Chairman of the NIH Cholera Advisory Committee, conducted a briefing on the cholera problem before the luncheon and after the visitors had been taken on a tour of the reservation.—Photo by Jerry Hecht.

Dr. Carl Witkop to Visit Guatemala to Deliver Talks, Conduct Study

Dr. Carl J. Witkop, Jr., Chief of the Human Genetics Branch, National Institute of Dental Research, will attend the Institute of Nutrition for Central America and Panama in Guatemala City, Guatemala, June 22 to September 1, where he will take a course in public health nutrition.

Gives Course

He will also give a course in human genetics, and act as co-instructor in a course on nutritional diseases as they affect the oral cavity.

While there, he will conduct a study on the relationship of vitamin A absorption and certain hereditary lesions of the tongue, and a study of possible genetic factors as they relate to nutritional requirements and oral disease.

Dr. Witkop also will weigh the possibility of developing a dental health program as it pertains to nutritional factors affecting the oral cavity, especially periodontal disease and caries.

In addition, he will investigate the prevalence of hypoplasia of enamel which occurs in primary teeth in that area.

hope, fear, anxiety, doubt, and guilt.

It is this world of meaning, value, hope and faith, Chaplain Kerney said, with which the Clinical Center's Department of Spiritual Ministry concerns itself in serving CC patients.

Dr. Earle, World Expert On Tissue Culture, Dies, Served NCI Since 1937

Dr. Wilton R. Earle, a recognized world authority on the development of large-scale, long-term tissue culture methods, died May 30 in his Burtonsville, Md., home. He was 61 years old.

Since 1952 Dr. Earle was Head of the Tissue Culture Section, Laboratory of Biology, National Cancer Institute. He had been on the NCI staff since the Institute was formed in 1937.



Dr. Earle

Dr. Earle made many significant contributions to the development of tissue culture science and technology. His contributions were outstanding in improving tissue culture techniques and in advancing the purposes for which long-term, large-scale cell culture could be used in medical research, specifically in cancer research. He was a pioneer in demonstrating that carcinogenesis occurs *in vitro*.

Develops New Methods

From Dr. Earle's research laboratory came such developments as quantitative methods for tissue culture analysis, the first cloning of single cells, chemically defined media for cells in culture, massive fluid suspension cultures, newer techniques for growing cells on glass surfaces, and a unique cinematographic instrument for the study of population of cells. His laboratory also engaged in intensive studies on the biochemistry of cells *in vitro*.

Dr. Earle was born June 22, 1902 in Greenville, S. C. He received a B.S. degree from Furman University in Greenville in 1923, an M.S. degree from the University of North Carolina in 1924, and a Ph.D. degree in anatomy from Vanderbilt University, Nashville, Tenn., in 1928. He received an honorary Doctor of Letters degree from Furman University in 1962.

During his career, Dr. Earle served as consultant to large pharmaceutical firms in their development of tissue culture laboratories for industrial purposes, particularly for the development of vaccines from cells *in vitro*.

He is survived by his wife, Dr. Imogene Phelps Earle.

CELL STUDY

(Continued from Page 1)

particular disease," Dr. Terry added, "since the effective control of cellular energy metabolism would be of fundamental significance to all diseases which result in higher deficiencies or accumulation of cell material."

Dr. Chance will direct a team of 20 academic research staff and 10 postdoctoral fellows whose areas of interest and training include biochemistry, biology, zoology, physiology, microbiology, pharmacology, physics, biophysics and plant biochemistry.

The group will employ a combination of sensitive spectrophotometric, fluorometric, magnetic resonance, optical and rapid reaction techniques to investigate the factors which control cellular energy metabolism. Additional studies of the effects of drugs and hormones on the interrelations between metabolic reactions will be carried out.

Computer Sorts Data

Dr. Chance will combine sensitive fluorometric methods which he recently developed with other techniques to monitor energy transfer in the kidney, heart, liver, and brain of living animals.

Data collected in these studies will be fed into computers in the research facilities at the Johnson Foundation. The information obtained will be used for further correlations and amplifications of these studies of regulatory mechanisms and will aid in the develop-

ment of postulates on cell function.

Dr. Chance has directed the Johnson Foundation and served as Professor and Department Chairman of Biophysics at the Medical School of the University of Pennsylvania since 1949.

PERSONNEL

(Continued from Page 2)

in the Federal Service.

This Executive Order established the basic doctrine for the presence of organized employee groups or unions in the Federal Government by (1) recognizing the right of employee organizations to participate in formulating personnel policies, (2) providing recognition and representation rights to employee organizations, (3) providing a system for maintaining constructive relationships between employee organizations and management officials, and (4) defining the rights and obligations of employee organizations and management officials in dealing with one another.

Subsequent to the issuance of this Executive Order, the Civil Service Commission issued regulations and operating procedures and standards to give effect to its provisions throughout the Government service.

Forms Basis for DHEW

These, in turn, formed the basis for the Department of Health, Education, and Welfare to develop and publish interpretations and detailed guidance for applying these legislative and regulatory requirements within DHEW.

In the spirit of E. O. 10988 and implementing instructions mentioned above, two employee organizations are now making arrangements to conduct membership drives among NIH employees.

The American Federation of Government Employees (AFGE) membership drive started June 8 and is open to all NIH employees. The Washington Area Metal Trades Council will begin their drive at an early date and membership will be available to all wage board employees.

Announcements will be made of the dates and locations where representatives of both organizations will be available to answer questions about their organizations, and to accept membership applications.

Alexander Schwozman, NIDR Technician, Dies

Alexander M. Schwozman, 32, a medical technician in the Oral Medicine and Surgery Branch of the National Institute of Dental Research, died May 25 in the Mt. Alto Hospital after an extended illness. He had been a member of NIDR since 1956.

Mr. Schwozman aided in improving techniques of decalcifying teeth and jaw blocs, which shortened considerably the period of time required to decalcify and process specimens in paraffin rather than celloidin.

Mr. Schwozman is survived by his mother, Mrs. Olga Schwozman, of 414 Kennedy Street, N. W.

Dr. Law, NCI Authority On Leukemia, Receives PHS Service Medal

Dr. Lloyd W. Law, Head of the Carcinogenesis Section of the Laboratory of Biology, National Cancer Institute, was presented the Meritorious Service Medal of the U. S. Public Health Service recently by Dr. James A. Shannon, Director of NIH. A citation with the medal commended Dr. Law for his outstanding and highly significant research contributions to cancer biology, chemotherapy, and genetics.

Recognized as a world authority on experimental leukemia, Dr. Law has contributed important experi-



Dr. Lloyd W. Law, NCI (right), accepts the PHS Meritorious Service Medal presented to him by Dr. James A. Shannon, NIH Director, for his outstanding contributions to cancer research.—Photo by Sam Silverman.

mental data from a wide range of aspects of the problem. One area of his work has been on the induction of leukemia and the role of the thymus.

These studies have shown the effects of thymus function on various forms of leukemia in mice, and revealed for the first time the role of thymus tissue in leukemogenesis (induction of leukemia).

Develops Biological Systems

He also has done pioneering work in the chemotherapy of leukemia by developing reliable biological systems in inbred mice. These systems and methods are now used in laboratories throughout the world for the detection of antileukemic agents and for studies of the mechanism of action of these agents.

His demonstration that the development of resistance of leukemic cells to an antimetabolite was due to selection of genetically resistant cells is universally accepted and has been the basis for studies of combinations of drugs in therapy of human leukemia.

In a third area of investigation, Dr. Law has made many contributions to the discovery and study of mammalian tumor-forming vi-

NIMH Issues Report on Mental Health Personnel To Aid Expanded Goals

The first of a series of statistical reports on mental health manpower has been issued by the National Institute of Mental Health.

Entitled "Mental Health Manpower, Current Statistical and Activities Report" January-March 1964, the report was prepared by the Mental Health Manpower Studies Unit, Training and Manpower Resources Branch, NIMH.

It is designed to provide in summary form baseline data needed for the development of programs to increase the number of personnel working in the mental health field. Stimulation of nationwide efforts to enlarge mental health manpower is a major NIMH concern.

Survey Covers 43,000

Information was gathered on 43,000 professional persons—psychiatrists, other physicians, psychiatric residents, psychologists, social workers and professional nurses—employed in 2,000 mental health facilities surveyed.

The current report contains information on selected personal characteristics (number, sex, average age, citizenship, etc.) and includes analyses of the percentages of time spent by members of each professional group in five areas of activity—patient care, administration, teaching, research and consultation.

The report also mentions current manpower activities related to the NIMH Mental Health Manpower Studies Program.

ruses and their relation to carcinogenesis. He has had long interest in the natural transmission of leukemia, and has contributed numerous publications to the subject of maternal transmission of viruses, effects of foster nursing, and resistance factors, and the relative roles of viruses and genetic factors in leukemogenesis.

Dr. Law received his B.S. degree from the University of Illinois in 1931, an A.M. degree from Harvard University in 1935, and a Ph.D. degree in biology from Harvard in 1937. He joined NCI as a geneticist in 1947, and has been Head of the Carcinogenesis Section since 1954.

Memberships Noted

Dr. Law was appointed Foreign Member of the Societa Italiana di Cancerologia in 1957, Associate of the Royal Society of Medicine in 1958, member of the WHO Expert Committee on Cancer in 1959, and member of the Medical Advisory Boards of Hektoen Institute of the Cook County Hospital and of the Roswell Park Memorial Institute.

Workshop on Psychiatric Nursing Care Held Here

Need and methods for improving quality of nursing care in State mental hospitals and institutions for the mentally retarded, were examined recently at a workshop held for the Nation's key nursing leaders responsible for psychiatric nursing services and personnel.

The 73 participants in the workshop, held here as a part of the National Institute of Mental Health's Hospital Improvement Program, reviewed the philosophy and content of nursing care programs in State institutions and discussed the role of the psychiatric-mental health nurse in community mental health programs.

Topics included program trends in mental hospitals, identification of issues and problems, exploration of problem-solving approaches, nursing in mental retardation programs, nursing programs on the mentally ill, reorganization of services, staff development, and recommendations for further action.

Collaboration Stressed

Psychiatric nursing administrators, supervisors, and educators who attended the workshop stressed the need for collaboration with other mental health disciplines, as well as the need for development of leadership within their own group.

Participants included state, psychiatric and mental health nurse consultants, representatives of the American Nurses Association, National League for Nursing, and Smith Kline and French Laboratories.

National Institute of Mental Health branch and regional staff were also represented.

DRG Sponsors Meeting On Ethology in Rome

The Experimental Psychology Study Section of the Division of Research Grants, supported by a National Institute of Mental Health grant, is sponsoring a workshop this week (June 15-20) on Ethology and Experimental Behavioral Analysis in Rome, Italy.

Dr. Seymour H. Baron, Executive Secretary of the study section, and six members are participating in the workshop.

Invitations were extended to 17 European ethologists representing a broad spectrum of ethological approaches. Countries participating in the workshop are Great Britain, Norway, Italy, The Netherlands, and West Germany.

Ethology has had its origins primarily in Europe but has been increasingly recognized as a field of development by American scientists.