

the



Record

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U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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NATIONAL INSTITUTES OF HEALTH

NHLI Sponsors Seminars With Eminent Scientists In Masur Auditorium

The first of a series of Seminars in Medicine was held on Nov. 26 in the Masur Auditorium. The seminars are sponsored by the National Heart and Lung Institute.

Dr. James B. Wyngaarden, Hanes professor of medicine and chairman of the department of medicine, Duke University School of Medicine, spoke at the seminar. His topic was Specific Enzymatic Subtypes of Primary Gout.

Describes Two Variants

Dr. Wyngaarden described two variants of primary gout in which the disorder stems from specific enzyme abnormalities.

One is characterized by abnormally active mutants of the enzyme that catalyzes the production of phosphoribosyl - pyro - phosphate (PP-ribose-P), resulting in a surplus of this key substrate in the synthesis of purines.

The other variant is characterized by low-activity mutants of an enzyme that normally diverts part

'Record' Sends Greetings; Next Issue Will Be Jan. 14

To all of its readers, the *NIH Record* staff extends sincere good wishes for the holiday season and throughout the coming year.

This will be the last issue in December. The next *Record* comes off the press Jan. 14.

of the available PP-ribose-P into metabolic pathways other than purine production. Again, the result is a surplus of PP-ribose-P for purine synthesis.

Gout, Dr. Wyngaarden pointed out, is not a single disease entity, but rather a syndrome with multiple causes. The two variants cited account for less than 5 percent of all cases of primary gout, and the basic lesions of the other 95+ percent remain to be defined.

It is likely, he said, that the rate of production of uric acid is influenced by the availability of substrates, cofactors, metabolic regulator compounds, such as AMP and GMP, and by the activities of enzymes acting all along the chain

(See *NHLI SEMINARS*, Page 7)

Dr. G. Donald Whedon Awarded NASA Medal

Dr. G. Donald Whedon, Director, National Institute of Arthritis, Metabolism, and Digestive Diseases, was awarded the National Aeronautics and Space Administration's Exceptional Scientific Achievement Medal.

It was presented to him on Nov. 21, at a special NASA Skylab Awards Ceremony in Huntsville, Ala.

The medal was given to Dr. Whedon "in recognition of his outstanding medical scientific accomplishments while serving as a Skylab medical experiment principal investigator of the effects of space flight on human musculoskeletal metabolism."

Chairs Advisory Council

Dr. Whedon, for several years a member of the Biomedical Subcommittee of NASA's Science and Technology Advisory Committee, was recently appointed chairman of the Life Sciences Committee of NASA's Space Program Advisory Council.

He was the principal investigator of the NASA calcium metabolic study on the 14-day Gemini VII orbital flight in December 1965.

Dr. Whedon was also principal investigator for similar metabolic investigations in the 1973-74 Skylab programs.

Cancer Control Program Elevated to NCI Division Headed by Dr. D. J. Fink



In discussing the goals of the program, Dr. Fink explained that with the knowledge and techniques that are now available "thousands of lives lost annually to cancer could be saved . . ."

Dr. Frank J. Rauscher, Jr., Director of the National Cancer Program, National Cancer Institute, has announced the establishment of the Division of Cancer Control and Rehabilitation.

The new Division is directed by Dr. Diane J. Fink, who was formerly the NCI associate director for Cancer Control.

"Elevation of the Cancer Control Program to the status of a Division reflects its importance in the fight against cancer and its rapid development since 1972," Dr. Rauscher said.

The Cancer Control Program was authorized by the National Cancer Act of 1971. It is a new dimension in the mission of NCI, whose twin goals now are to obtain new knowledge and to ensure the translation of research findings into practice.

"Thousands of lives lost annually to cancer could be saved with the knowledge and techniques now available," Dr. Fink said.

"The goal of NCI Cancer Control is to ensure the rapid translation into community practice of existing knowledge and new leads emanating from research. This is undertaken by field testing, dem-

(See *DR. FINK*, Page 6)

Special Holiday Festivities Planned To Surprise and Delight CC Patients

Holiday parties, games, tree-trimming, caroling, and special Christmas outings fill December's calendar for Clinical Center patients.

Recent events for the youngsters included a trip to see Santa Claus at Tyson's Corner, a Santa Treasure Hunt through the hospital—with gift surprises scattered among the clues—and the annual children's Christmas party sponsored by the Clifton Park Citizens Association.

A personal visit from Santa and his helpers, laden with presents, delighted the young patients.

For adults, the month's agenda began with creative Christmas crafts, in which patients made decorations and tree ornaments.

Entertainment included a Christmas holly hop, with music provided by the Air Force Band, and the annual Christmas Variety Show sponsored by the Scottish Rite Masons. The show featured a ventriloquist act, a magic show, and songs and dances by local professional entertainers.

The U.S. Air Force Singing Sergeants also gave a holiday concert of traditional and seasonal music.

(See *FESTIVITIES*, Page 7)



On a recent shopping trip a young CC patient carefully surveyed the toy department, drew up her Christmas list, and put in a request to Santa.



The Ad Hoc Committee meets to discuss plans for the NIH First Alumni Reunion to be held on the campus, April 19-20. Scientists from many parts of the world—all former NIH researchers—are expected to attend the 2-day meeting. L to r: Dr. Robert S. Stone, NIH Director; Dennis Flanagan, editor, "Scientific American", and Dr. Sidney Udenfriend, Roche Institute of Molecular Biology and chairman of the committee.

the NIH Record

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The voice at the other end is someone from home—hence the big grin. Telephone calls to the family at Christmas—or any time—are comforting to small CC patients. Davis Plan contributions to the NIH Patient Emergency Fund help pay for long distance calls and other non-medical needs that are not covered by Federal funds. This year, the Clinical Center Unit, Plant Engineering Branch, ODA, was one of the first groups to contribute. Following closely were ODA's Maintenance and Inspection Branch and the Printing Section. Send contributions to: CC Social Work Department, Bldg. 10, Room 1N254; R&W Office, Bldg. 31, Room 1A18, or R&W Gift Stores.

Course on Safe Sailing Offered

The U.S. Coast Guard Auxiliary will conduct evening classes on the principles of sailing starting Thursday, Jan. 9, and continuing for six consecutive Thursdays.

The course, sponsored by the NIH Sailing Association, is open to all NIH employees. For registration and information contact R&W, Bldg. 31, Room 1A-18.

NIH Graduate Program Offers 2 New Courses For Spring Semester

The Graduate Program at NIH has announced its schedule for the spring semester. The classes, sponsored by the Foundation for Advanced Education in the Sciences, will be held in the evening on the campus.

Two new medical subspecialty review courses are being offered. They are MEDI 604—Medical Oncology and MEDI 602—Endocrinology and Metabolism.

Tuition is \$22 per semester hour, and courses may be taken for credit or audit. Students enrolled in courses that continue through the spring semester must reregister.

Those students whose expenses will be paid by the Government should consult with their administrative officers.

Classes will begin on Feb. 10. Students may register by mail through Jan. 17, and in person from Jan. 30 through Feb. 5. Schedules are available in the FAES office, Clinical Center, Room B1-L-101, Ext. 65273.

Correct Return Address Speeds Rerouting Process

Each month the NIH Mail Room must process 30,000 misaddressed or unaddressed letters. Having the correct return address speeds up the rerouting process.

The complete return address—including building and room number as well as ZIP Code number—should be placed in the front upper left hand corner of all envelopes.



A recent 2-day NIAID workshop on Bunyaviruses—disease agents transmitted by mosquitoes, ticks, and flies—was attended by scientists from this country and abroad who are conducting research on these infectious agents. L to r: Dr. Walter Schlesinger, Rutgers Medical School; Dr. Philip K. Russell, Walter Reed Army Institute of Research and chairman of the workshop; Dr. Pekka Saikku, University of Helsinki; Dr. Michele Bouloy, Institut Pasteur, and Dr. Nils Oker-Blom, University of Helsinki.

Have a Happy Holiday: Follow Security Tips

The Protection and Parking Branch, Division of Administrative Services, hopes everyone enjoys the holiday season. However, thefts of personal and other property increase at this time.

Happy holidays can be a reality if everyone follows these few security steps:

Suggestions Listed

- Don't advertise where Christmas party funds are kept.
- Gifts for fellow employees and friends should not be left unprotected.
- Place Christmas packages in the car trunk, not on the seats.
- Attractive or expensive decorations for the holiday season should be attached securely.

These holiday reminders are in addition to security measures previously published:

More Security Measures

- Take your purse or wallet with you when you are away from the office.
- Keep all funds in a locked cabinet.
- Secure all valuable equipment and personal belongings.
- Try not to leave offices or labs unattended during working hours.
- Call the Guard Office immediately to report a loss or the presence of strangers. In Bldg. 10, call Ext. 62471; in all other buildings, call Ext. 65685.

Knowledge is a sacred cow, and the problem will be how we can milk her while keeping clear of her horns.—Albert Szent-Gyorgyi.

NIH Library Offers Use Of Microforms to Save Journal Shelving Space

To solve shelving space problems, the NIH Library is using microforms—including microcards, microfiche, and microfilm.

A listing of the Library's microform holdings is available in its Nonprint Media Center.

Microform holdings of a particular journal title generally cover the early volumes.

In many cases the microform copies represent the Library's second copy of a journal title. However, the *Journal Fur Praktische Chemie* (NSI-162, 1870-1943) is available only on microcards.

Among journal titles available in microfilm cartridge format are the *American Heart Journal*, the *American Journal of Physiology*, the *Biochemical Journal*, *Biological and Chemical Abstracts*, the *Journal of Histochemistry and Cytochemistry*, *Life Sciences*, and *Proceedings of the National Academy of Sciences, Washington*.

The *Congressional Record*, *Federal Register*, and the *New York Times* are available in reel format.

Equipment for use of microforms is available in the lower level of the Library.

NIH Symphony Plays Mozart And William Tell Overture

The NIH Symphony will present a concert tomorrow (Wednesday, Dec. 18th), at 8 p.m. in the Masur Auditorium.

Selections will include the William Tell Overture, a Mozart symphony, and a suite by Rimsky-Korsokov.

'Cliff' Johnson Leaving, Accepts Post in Chicago At Reese Med. Center

Clifford F. Johnson, Assistant for Grantee Relations in the Office of Extramural Research and Training, will leave NIH at the end of this month to accept an appointment at the Michael Reese Medical Center, Chicago, as Director of Research Administration.

The announcement was made by Michael Reese President, Dr. LeRoy A. Pesch, who said that Mr. Johnson will be responsible for planning, managing, and coordinating all research programs at the medical center and its affiliates.

Lauds Appointment

"Mr. Johnson's appointment is another step in the direction of creating an administrative structure compatible with the leadership position to which the Michael Reese Medical Center is committed," Dr. Pesch said.

"As a major independent urban medical center, we believe that we have a unique role to play in research, no less than in our patient care and education programs. We expect Mr. Johnson's appointment to play a key role in our efforts

Bill McEleney Sets a Record; With Gov't 44 Years, And Worked in Animal Labs for Over Half Century

William J. McEleney has surely set some sort of a record. He has been with the Federal Government for 44½ years, but even longer than that, he has worked—for 51 years—with highly inbred strains of mice, rats, and guinea pigs.

Mr. McEleney, who recently retired from the Veterinary Resources Branch, Division of Research Services, has followed a family tradition. For 25 years his father raised laboratory animals at Harvard Medical School for Dr. Lloyd D. Felton, one of the first scientists to work at NIH.

And Mr. McEleney's first job—in 1923—was also assisting Dr. Felton with his animal lab work.

Five years later, he became the animal attendant for Dr. J. W. Schereschewsky, chief of Harvard's Office of Cancer Investigations. In 1939, Mr. McEleney and Dr. H. B. Andervont, of Harvard's Medical School, came to NIH.

For many years they worked together in Dr. Andervont's biology laboratory at NCI. Mr. McEleney and Dr. Andervont, who retired from NCI in 1968, coauthored several articles on cancer in inbred strains of mice.

During World War II, Mr. McEleney returned to Harvard Medical School to assist in laboratory

animal work undertaken by the medical school for the U.S. Army.

After the war he returned to Washington to work at the Army Medical Center where he received an award for developing a food hopper—a container which holds feed for mice.

In 1948 he returned to NCI. There he again worked with highly inbred strains of mice, rats, and guinea pigs under the direction of Dr. Walter E. Heston, who is now chief of NCI's Laboratory of Biology.

In 1950 Mr. McEleney transferred to the Laboratory Aids Branch—now VRB—where he continued his important work with small animals.

In 1963 Mr. McEleney, who was then acting as VRB's geneticist, received a quality award; he was again honored in 1973 with the same type of award for helping to establish a specific pathogen-free mouse and rat barrier facility.

This project was under the direction of Dr. F. J. Judge, chief of VRB's Small Animal Section.

During his retirement, Mr. McEleney—a New Englander—plans to visit that section of the country, and to see more of his favorite sports—baseball and football.

National Graduate Univ. Designs Programs Fitting Specific Needs

The National Graduate University offers programs of study leading to master's and doctorate degrees specifically designed to meet the needs of practitioners.

The Human Service College, established in 1971, includes gerontology as one of its specialized fields.

Colleges in Management and Natural Resources Management were begun in 1971-72 with others planned in Environmental Science, Developmental Planning, Behavioral Science, and Government Formation.

Non-Degree Courses Given

Non-degree short courses and programs, given in the Washington area and other locations in the U.S., provide training in management and human relations skills.

For more information, contact Debra J. Poretsky, Program Assistant, National Graduate University, 3408 Wisconsin Ave., Washington, D.C. 20016, or call 966-5100.

of the Director, NIH, in April 1957 as an information specialist after having served for 16 years in the Office of the Army Surgeon General. He became chief of the Public Information Branch in 1959, and from 1961 to 1970 was Director of Information.

Drs. Holland and Frei Win 'Best Book' Prize For Cancer Medicine

Drs. James F. Holland and Emil Frei III were honored recently when their book, *Cancer Medicine*, was selected by the American Medical Writers Association as the "Best Book for the Medical Profession by Multiple Authors."

The AMWA presents annual awards for the best books published in various categories.

A collection of authoritative reviews of research on cancer in man, the book is organized into three main sections: an overview of the foundations in research; the diagnosis and management of neoplastic diseases by several disciplines, and the study of cancer in the various organ systems.

Teaches at Mt. Sinai

Dr. Holland is professor and chairman of the department of neoplastic diseases at Mt. Sinai School of Medicine. He was senior assistant surgeon with the National Cancer Institute from 1953-54.

Dr. Frei is the director and physician-in-chief at the Sidney Farber Cancer Center, Boston, and professor of medicine, Harvard Medical School. From 1955-65 he was head of the NCI chemotherapy service, becoming scientific director for experimental therapeutics.

Cancer Medicine, published in 1973 by Lea and Febiger, comprises 149 articles by 158 internationally known scientists, including many from the National Cancer Institute.



Mr. Johnson has played a significant role in two areas at NIH—first in the field of information and, more recently, in extramural program activities.

toward that end," he added.

The Michael Reese Medical Center is one of the largest such institutions in the United States, with almost 1,000 beds and a medical staff of 550.

Has Academic Affiliation

A total of 350 scientists and associated staff are conducting research in 24 departments located in three buildings on the Center's campus. The center has an academic affiliation with the Pritzker School of Medicine of the Univer-

sity of Chicago.

Discussing his future plans, Mr. Johnson said, "I look forward with great anticipation to this new opportunity, although the day-to-day contact with many friends and associates here at NIH will be truly missed.

"I will always be grateful to those who made it possible for me to shift careers 5 years ago, and especially to Dr. Lamont-Havers (now NIH Deputy Director), who provided the opportunity for me to work with extramural activities."

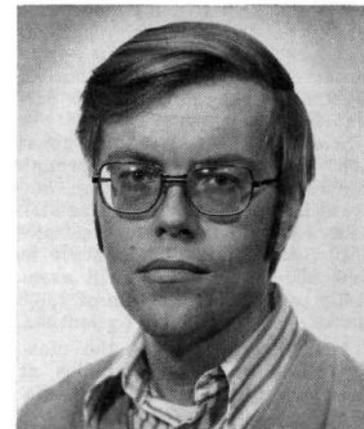
Mr. Johnson has served in his present capacity since January 1970. In this period, he developed the *NIH GRANTS POLICY GUIDE*, later expanded to the *NIH GUIDE for GRANTS and CONTRACTS*.

The *GUIDE*, which is distributed to institutions, investigators, and administrators throughout the Nation, provides information concerning NIH grants and contracts activities.

In addition to assisting in the development of extramural policies, Mr. Johnson organized a series of regional meetings to explain changing practices to officials of grantee institutions.

He has also served as a member of the Staff Training-Extramural Programs Committee, and for the past year has been its executive secretary.

Mr. Johnson came to the Office



Dr. David G. Hoel, chief of NIEHS's Environmental Biometry Branch, recently was elected a Fellow of the American Statistical Association. Of the 10,500 members in the organization, 665 are Fellows. Dr. Hoel was honored for his extensive contributions to both theoretical and applied statistics, and for his skill as a biomedical consultant.

Learning without thinking is useless. Thinking without learning is dangerous.—*Confucius*.

Down South the NIH Perrine Primate Center—Under To Assist Intramural Research

Less than 10 miles from the wilderness of the Florida Everglades, and about 15 miles from the tourist mecca, Miami, there is a 60-acre preserve that houses the NIH Perrine Primate Center directed by the Division of Research Service's Veterinary Resources Branch.

And at Perrine, there is a staff of NIH'ers numbering three—the VRB back-up staff is over a thousand miles away on the NIH campus.

But the three at Perrine—Mary Mathis, Robert Lee Williams, and Milton Clarke—are aware that they are an integral part of NIH.

In discussing the facility, Dr. Robert A. Whitney, Jr., VRB chief, and Dr. Albert E. New, assistant chief and director of Perrine, explained the reasons for the Center's importance to NIH, and also told about the work of its employees.

The Perrine Primate Center is a breeding colony for rhesus and squirrel monkeys. Last month—November—marked its first birthday. That is, it has belonged to NIH for one year; formerly, it was an Environmental Protection Agency laboratory that was moved to Research Triangle Park, N.C.

Dr. Whitney Explains Program

Dr. Whitney told why, at this time, it was important to develop domestic breeding colonies of primates.

"Our supplies of wild captured primates have been drastically cut," he said. "India, a chief source for primates, has placed an embargo on rhesus in an attempt to conserve their natural resources. We can expect less than 50 percent from India."

Scientists at NIH require about 3,000 monkeys a year. Through the Perrine breeding program and two VRB contracts with Hazleton Laboratories in Vienna, Va., and Gulf South Research Institute in New Iberia, La., VRB will eventually produce a minimum of 1,500 monkeys a year for NIH scientists.

About 95 percent of the monkeys used to conduct studies at NIH have been rhesus from India. That is one reason why India's export cut has made VRB's Perrine Center such a valuable component of NIH.

The rhesus shipped from India are first quarantined for 120 days in the NIH Animal Center near Poolesville, Md. Those selected for Perrine are flown to the Miami airport and transported to their "home" in an air-conditioned truck.

Dr. Whitney and Dr. New were both voluble in their praise for the NIH'ers at Perrine. Miss Mathis is the administrative clerk; Mr. Williams and Mr. Clarke are

animal technicians. There is also a part-time veterinary consultant—Dr. Norman A. Altman of the Papanicolaou International Cancer Research Center—who visits Perrine about twice a week.

Dr. New described in part the working day of the NIH employees in southern Florida, stressing that the health of the breeding stock was the first concern of the employees.

"The first order of the day is a health check. It can be compared to a hospital's medical rounds. The difference is that these are well animals who are given the attention and care of hospital patients.

"Prime breeding stock is difficult to obtain, these resident monkeys are very valuable," Dr. New stated.

The monkeys are housed in groups—about eight females to one male. Despite this number, both Mr. Williams and Mr. Clarke are aware of the individuality of each rhesus and the importance of collecting information on every primate, even down to their group compatibility.

As Dr. New said, "It is necessary for them to be compatible, if they're not happy, they are not going to breed well."

Feeding and cleaning the primates and the repair and maintenance of the equipment take up a good part of the animal technicians' day.

Miss Mathis is responsible for all of the records that are kept at Perrine. Dr. New described her as a combination procurement specialist, receptionist, and secretary.

Mr. Clarke and Mr. Williams alternate in working a 7-day week. Frequently, Miss Mathis will visit Perrine on her day off. At night, a security guard patrols the area.

The staff down south and the staff up north keep in touch via telephone.

Phone Rings!

"We make routine calls biweekly to follow up a directive or to tell them we're shipping monkeys," Dr. New said. The phone rings in the VRB office "only when they need us."

The branch chief and the assistant chief periodically visit Perrine. George Coleman, of the Timed Pregnant Breeding Program of VRB's Primate Research Unit, goes down to direct the pregnancy examinations in the monkeys.

Dr. Whitney and Dr. New called the primate breeding program "a coordinated program to produce results as economically and efficiently as possible."

Both scientists explained that there are other areas in DRS with expertise in problems of primates



It's NIH—only with a difference in the landscape—forsythia and red maple give way to poinsettia and palm. In its 10 buildings containing 120 run-typer enclosures, the center can house 800 rhesus and 200 squirrel monkeys.

who are recruited to help in the program. In fact, they considered all of the NIH community as "helping us in this breeding program."

A segment of the Perrine program that is considered vital to research is the issuing of timed pregnant rhesus monkeys to NIH scientists.

The time of conception is known within a 72-hour period, and the animals are used for studies that require an unborn or newborn rhesus.

Such studies may answer a myriad of questions including what happens to an unborn baby in a woman with measles? What is the effect of diabetes on fetal development? And how can methods for diagnosing early pregnancies be improved?

To further pinpoint the importance of the program, Dr. Whitney said, "If they had tested thalidomide in timed pregnant monkeys they would have seen the same defects as were found in newborn children."

And that's what Perrine is all about—a laboratory for breeding primates for NIH intramural research in order to help solve the complex diseases of humans.



The three NIH'ers, Mr. Clarke, Miss Mathis, and Dr. New, far away from Perrine—even weekends see to it that the health of the breeding stock is

er the Aegis of VRB—Conducts a Breeding Program ch on the Campus up North

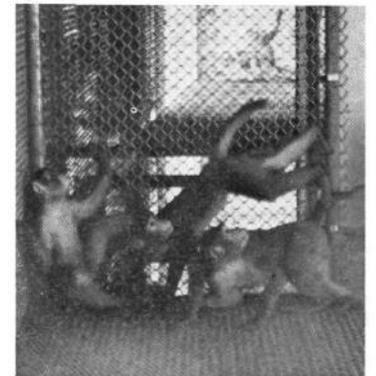


Miss Mathis, surrounded by the paraphernalia denoting a busy staff member, is responsible for the records that are kept at Perrine. Dr. New describes this NIH'er as a combination procurement specialist, receptionist, and secretary.



At Perrine, Dr. New and Dr. Whitney meet with the contractors and the veterinary consultant to discuss the breeding program. The two contracts will amount to approximately \$1.3 million over a 5-year period. About one-half of the primates required by NIH Intramural researchers will be supplied through Perrine and the contract programs. Counterclockwise right around the conference table: Dr. New; Dr. Whitney; Dr. David A. Valerio, Division of Life Sciences, Hazleton Research Laboratories; Dr. William Greer, associate scientific director, Gulf South Research Institute; Dr. Altman, and Miss Mathis.

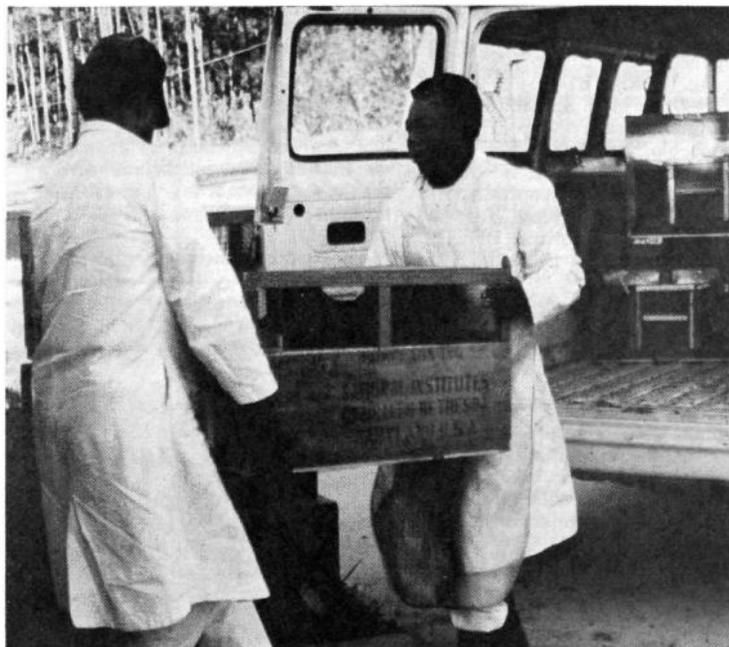
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The first order on the day's agenda is checking the health of each primate by the animal technicians. Dr. New compared this checkup to a hospital's medical rounds—with this difference "... these are well animals who are given the attention and care of hospital patients . . ."



Miss Mathis, and Mr. Williams are never too far from them there. And as Dr. New points out, the health of the animals is the first concern of the employees.



Mr. Williams and Mr. Clarke arrive at the Miami airport to pick up rhesus that have been flown down from the NIH Animal Center near Poolesville, which is under the jurisdiction of DRS. The animals were shipped from India to that center where they are in quarantine for 120 days. After landing in Miami, they are transported to Perrine in an air-conditioned truck.

Comparative Pathology Handbook and Directory Are Available from AFIP

The Registry of Comparative Pathology of the Armed Forces Institute of Pathology has issued a third fascicle for its *Handbook of Animal Models of Human Disease* and also a directory of *Educational Opportunities in Comparative Pathology, United States and Foreign Countries, 1974*.

Both are partly supported by a grant from the Division of Research Resources.

The third fascicle contains 15 chapters on animal models. The white furred cat, for example, is an animal model for Waardenburg's Syndrome, a genetic defect causing congenital deafness and pigmentary disorders.

Handbook Format Described

The price of the current *Handbook*, consisting of three fascicles collated in a loose-leaf binder, is \$8.50. Additional fascicles will be offered in the future.

Each *Handbook* chapter gives the biological features of the disease, a comparison with the human disease, the animal's availability, and a reference section listing additional sources of information.

The first two fascicles include animal models for diseases such as lead poisoning, congenital malformations due to vitamin A deficiency, hereditary muscular dystrophy, and slow viral infections.

Many of the chapters have been published in the quarterly *Comparative Pathology Bulletin*.

Directory Is Free

The free directory of Educational Opportunities in Comparative Pathology describes 71 programs in 33 states and the District of Columbia and 11 in foreign countries.

The degree programs, extramural affiliations, residency and preceptorship programs at each institution are outlined briefly.

Both publications are available from the Registry of Comparative Pathology, Armed Forces Institute of Pathology, Washington, D.C. 20306.



Ross Holliday, Director, Division of Engineering Services, presented 30-year award pins and certificates to employees in the Plant Engineering Branch. Left to right: Carroll Clay, Mr. Holliday, Don Farley, Kenneth England, and Archie Rodgers.

NIH Visiting Scientists Program Participants

11/22—Dr. S. Aswanikumar, India, Laboratory of Developmental Biology and Anomalies. Sponsor: Dr. Elliott Schiffmann, NIDR, Bg. 30, Rm. 410.

11/24—Dr. Egidio A. Moja, Italy, Laboratory of Clinical Psychopharmacology. Sponsor: Dr. Christian Gillin, NIMH, Wm. A. White Bg., St. Elizabeths Hospital.

11/24—Dr. Giovanni Muscettola, Italy, Laboratory of Clinical Science. Sponsor: Dr. Frederick Goodwin, NIMH, Bg. 10, Rm. 4S239.

11/25—Dr. Peter Fleckenstein, Germany, Section on Molecular Structure. Sponsor: Dr. Erhard Gross, NICHD, Auburn Bg., Rm. 7.

11/29—Dr. Manik P. Chitnis, India, Drug Evaluation Branch. Sponsor: Dr. Betty J. Abbott, NCI, Blair Bg., Rm. 524A.

12/1—Dr. Toshiro Adachi, Japan, Laboratory of Molecular Biology. Sponsor: Dr. Robert Lazzarini, NINDS, Bg. 36, Rm. 3B16.

12/1—Dr. Laurence H. Bousnell, France, Biology Branch. Sponsor: Dr. Monte S. Meltzer, NCI, Bg. 37, Rm. 2C26.

12/1—Dr. Donald B. Calne, United Kingdom, Immediate Office of the Assistant Director. Sponsor: Dr. Thomas N. Chase, NINDS, Bg. 36, Rm. 5A05.

12/1—Dr. Tadashi Akaike, Japan, Laboratory of Neurophysiology. Sponsor: Dr. Thomas G. Smith, NINDS, Bg. 36, Rm. 2C02.

12/1—Dr. Eduard Lvovsky, USSR, Laboratory of Viral Diseases. Sponsor: Dr. Hilton Levy, NIAID, Bg. 5, Rm. B1-32.

12/1—Dr. Peter A. Smith, United Kingdom, Laboratory of Neuropharmacology. Sponsor: Dr. Floyd E. Bloom, NIMH, Wm. A. White Bg., St. Elizabeths Hospital.

12/1—Dr. Shousun Szu, Taiwan, Laboratory of Theoretical Biology. Sponsor: Dr. Mones Berman, NCI, Bg. 10, Rm. 4B58.

Dr. Livingston Wong Is On NIAMDD Adv. Council

Dr. Livingston M. F. Wong, a prominent university professor and kidney disease specialist, has been appointed to the National Advisory Arthritis, Metabolism, and Digestive Diseases Council through September 1977.

He will advise on NIAMDD's grants and awards program.

Dr. Wong is assistant director of the Institute of Renal Disease, St. Francis Hospital, Honolulu, Hawaii, and also associate professor in surgery at the University of Hawaii School of Medicine and project director, Emergency Medical Services Program, Honolulu.

Dr. Wong received his B.S. degree in 1952 from the University of Hawaii and his M.D. degree from the University of Oregon in 1959.



Dr. Peter L. Frommer (l), associate director for Cardiology, National Heart and Lung Institute, and Dr. Robert I. Levy, director of NHLI's Division of Heart and Vascular Diseases, discuss the management of ischemic heart disease with Prof. Igor K. Shkhvatsabaya, Director of the A. L. Myasnikov Institute of Cardiology. The Russian scientist headed the Soviet delegation that visited NIH as part of a US-USSR joint study in this area.

DR. FINK

(Continued from Page 1)

onstration and promotion through relatively short-term projects.

"These control activities are implemented through cancer centers, community hospitals and physicians, state health departments, voluntary agencies and other organizations.

"Their aim is to prevent cancer, relieve its effects and improve the quality of life for its victims."

The new Division also is responsible for research on rehabilitation of cancer patients and the steadily increasing numbers of long-term cancer survivors.

In the 2½ years since the cancer control mandate became effective, the Cancer Control Program has awarded contracts or grants to more than 100 institutions across the country, totaling almost \$40 million in fiscal years 1973 and 1974.

The awards include projects in

cancer prevention, detection and diagnosis, treatment, rehabilitation and continuing care, continuing education of cancer care professionals, and outreach programs of Comprehensive Cancer Centers.

Forty-four states have NCI-funded cancer control projects within their borders.

Some organizations in the remaining six states may be involved through network arrangements with nearby primary cancer control institutions in activities such as prototype demonstrations of treatments for breast cancer, head and neck cancer, childhood leukemia, and Hodgkin's disease.

Dr. Fink came to NCI in 1971 from the Veterans Administration Hospital, San Francisco, where she had been chief of the hospital's Oncology Section since 1969.

She was also assistant clinical professor of medicine, University of California, San Francisco.

Dr. Fink received her B.S. in 1957 and her M.D. degree in 1960, both from Stanford University.



At a graduation ceremony, 14 officers of the 25th class of the NIH Police Training Academy received certificates. Standing (l to r) are: John J. Ferrari, III; Percy Baker; George H. Webb; Andrew J. Williams; Charles T. Wilson; Larry D. Colbert; Ronald A. Smith; John T. Spivey; Isaiah C. Byrd; Kenneth A. McDermon, class president; Stanley D. Jordan, High Scholastic Award winner; Carlos A. Raymond, and Raymond W. Stewart. Seated are: Rev. James J. McCord; Ralph A. Stork, acting assistant director for Protection and Safety Management; Otis Ducker, DAS Director who addressed the group in Wilson Hall; Milton R. Mullican, chief, NIH Fire Department; Capt. Richard F. Jones, Commander, U.S.S.P.; Arthur G. McKay, assistant chief, Protection and Parking Branch, PSM, and William C. Wright, Police Training Officer.

Dr. Lipsett Joins Ohio Cancer Center; at NIH 17 Yrs.

Dr. Mortimer B. Lipsett, National Institute of Child Health and Human Development, has been appointed director of Cancer Center, Inc., in Cleveland. The Center was founded by Case Western Reserve University and the Cleveland Clinic Foundation.

Dr. Lipsett, who has been with NIH for 17 years—he came here in 1957—was NICHD's associate scientific director, Intramural Research, and chief of the Reproduction Research Branch. He is especially noted for his endocrinology studies.

Directed Endocrine Studies

During his tenure at NICHD, he directed studies on the effects of the endocrine glands on the reproductive mechanisms.

Dr. Lipsett came here from the faculty of Cornell University Medical school as medical officer in the Endocrinology Branch of the National Cancer Institute. In

1966 he was named chief of that Branch.

He received his B.A. from the University of California and both his M.S. and M.D. degrees from the University of Southern California.

His honors include the Alfred P. Sloan Award for Cancer Research, and the DHEW Superior Service Honor Award; in 1959 he was named a Diplomate of the American Board of Internal Medicine.

From 1968 to 1973, Dr. Lipsett was editor-in-chief, *Journal of Clinical Endocrinology and Metabolism*. He was also an associate clinical professor in medicine at Howard University.

In his new position, Dr. Lipsett will be a member of the faculty at Case Western Reserve's School of Medicine.

NHLI SEMINARS

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of reactions by which purines are assembled and broken down.

When other biochemical lesions of primary gout are defined, he concluded, they will almost surely turn out to be multiple, complex, and often subtle deviations of metabolic control.

Future seminars will be held at 4 p.m. in the Masur Auditorium. Prominent scientists who will speak at these meetings are:

Dr. David G. Nathan, Children's Hospital Medical Center, Boston, Antenatal Diagnosis of Hemoglobinopathies, Dec. 19.

Dr. Clement A. Finch, Univ. of Washington School of Medicine, Iron Metabolism, Jan. 6.

Dr. John H. Laragh, College of Physicians and Surgeons, Columbia University, Low Renin Hypertension, Jan. 14.

Dr. Elliot Osserman, College of Physicians and Surgeons, Columbia University, Plasma Cell and Monocyte Dyscrasias and Their Specific Protein Markers, Feb. 4.

Dr. Jean D. Wilson, Southwestern Medical School, University of Texas, A Genetic Analysis of Androgen Action, Feb. 11.

Scientists' Topics Noted

Dr. Stephen Krane, Massachusetts General Hospital, Collagenases and Rheumatoid Arthritis, Feb. 18.

Dr. Richard S. Ross, School of Medicine, Johns Hopkins Hospital, Ischemic Heart Disease: Prognosis and Therapy 1974, Mar. 4.

Dr. Philip Feigelson, College of Physicians and Surgeons, Columbia University, Molecular Biology of Steroid Hormone Induction, Mar. 11.

Dr. Rosalyn S. Yalow, Veterans Administration Hospital, Bronx, N.Y., Significance of Heterogeneous Forms of ACTH, Mar. 18.



Dr. Charlotte Friend was presented the National Cancer Institute's 1974 Annual Virus Cancer Program Award for her pioneering studies of virus-induced leukemia and contributions to understanding the control of cell differentiation. She is a consultant for NCI on a virus program scientific review committee. Dr. Friend received the plaque at the recent Ninth Joint Working Conference of the Virus Cancer Program in Hershey, Pa.

NIAID Publishes 'Drug Allergy' Dealing With Adverse Reactions

As more medications become available, the number of adverse drug reactions increases. Three common drugs—penicillin, sulfonamides, and aspirin—may be responsible for 80 to 90 percent of all allergic drug reactions.

These and other facts appear in *Drug Allergy*, recently published by the National Institute of Allergy and Infectious Diseases.

New Chief Discusses Complex Duties of Fire Dept.

Milton Ray Mullican has been appointed fire chief to succeed Charles K. Keys, who retired recently. Mr. Mullican had been deputy fire chief in the Office of Protection and Safety Management, Division of Administrative Services.

In 1943 Mr. Mullican began his firefighting experience with the Rockville Fire Department. Later he was a volunteer fireman at NIH while working in the carpenter shop in Bldg. 13. He became a member of the first full-time Fire Department staff in 1954.

By adding vehicles in recent years, the department now has two pumper trucks, two utility trucks, and one ambulance.

Much of the department's work is disposing of chemicals and hazardous wastes, last year amounting to 60 tons. The Fire Department also gives courses in emergency techniques for nurses, first aid, cardiopulmonary resuscitation, and extinguisher use.

In addition to his busy work schedule, Chief Mullican has found time to study for an associate degree in fire science, which he is completing this semester at Montgomery College.

GWU Gives After-Hours Undergrad, Grad Classes In Downtown Locations

More than 60 college-level courses will be offered this spring to Government employees and the general public in 31 downtown buildings through the Federal After-Hours Education Program.

The College of General Studies, George Washington University, offers undergraduate and graduate courses leading to Associate in Arts, Bachelor of Science, and Master of Science degrees.

Registration for the long spring semester and the first short session will be held in conference rooms A, B, and D (just off the lobby), Department of Commerce Bldg., 14th St. and Constitution Ave., N.W., from 10 a.m. to 3 p.m. on Jan. 8-9. Classes begin Jan. 20.

Registration for the second short spring session will be held in the lobby at 706 20th St., N.W., 10 a.m.-3 p.m., March 4.

All courses are 3 semester hours. Tuition is \$67 per semester hour compared with \$90 per semester hour for courses taken on the G.W.U. campus.

For further information, contact Robert W. Stewart, Jr., Field Representative, College of General Studies, G.W.U., 676-7018.

Retired NIH Librarian Dies at 92

Margaret Doonan, former librarian at NIH, died this past October in Masepequa, N.Y.

Miss Doonan, who retired in 1950, had earlier been a librarian at the Public Health Service, joining NIH during World War II when the two libraries were consolidated.

Suggestion to Bicyclists: Brighten Up, Play It Safe

During the winter months early nightfall and poor visibility are extremely dangerous. The Parking and Protection Branch, Division of Administrative Services, urges all bicyclists to equip their bicycles front and rear with lights, reflector tape, or other fixtures to increase visibility in the interest of their own and others' safety.

The Motor Vehicle Laws of the State of Maryland, applicable on the NIH reservation, require that bicycles be so equipped when there is insufficient light or unfavorable atmospheric conditions so that persons and bicycles are not clearly discernible at 1000 feet. Help others to see you.

FESTIVITIES

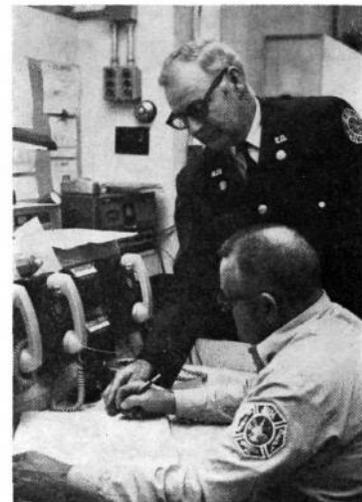
(Continued from Page 1)

Patients took special trips to the poinsettia show at the botanical gardens and went on a gift-buying spree at a local shopping center.

Patients of all ages will join tomorrow, Wednesday, Dec. 18, in holding an open house for the CC staff from 2 to 4 p.m. in the 14th floor auditorium. The next day the patients will take a trip to view the National Christmas tree at the Ellipse.

A Protestant carol service was conducted in the chapel last Sunday evening, Dec. 15, and on Christmas Eve six caroling groups from the Washington metropolitan area will sing at CC nursing stations.

Festivities will culminate at the Welcome '75 party on Jan. 7, featuring games, music, favors, and prizes for all CC patients.



Chief Mullican confers with operator Charles O. Poole about an incoming emergency call.

CANCERLINE Computer Permits Nationwide Access to Information

Easy access to cancer treatment research information is now provided to scientists through a computerized service, developed jointly by the National Cancer Institute and the National Library of Medicine.

Called CANCERLINE, the computer system contains approximately 16,000 abstracts from the NCI publication, *Cancer Chemotherapy Abstracts*, summarizing research reports published between 1967 and 1972 on the treatment of human and animal cancers.

By early 1975, the CANCERLINE system will contain about 5,000 additional therapy abstracts for 1973 and 1974, approximately 18,000 *Carcinogenesis Abstracts*, and 6,000 descriptions of ongoing cancer research projects.

Scientists anywhere in the U.S. can use CANCERLINE directly through several types of typewriter terminals connected to a central computer facility located at the NLM. The connections are provided through telephone lines and a nationwide network of small computers in major cities.

Schedule Given

The CANCERLINE system is available on Monday, Wednesday, Thursday, and Friday from 9 a.m. through 5 p.m., and on Tuesday from noon through 10 p.m. EST.

NLM gives a short course in use of the system command language, structure and content of the data files, and search strategy.

Current users of the NLM's TOXLINE system have the necessary equipment and search strategy to use the system immediately. MEDLINE users may need some additional instruction.

CANCERLINE is a project of the International Cancer Research

Dr. Clarence Dennis Retires; Will Accept SUNY Surgery Post

Dr. Clarence Dennis, special assistant for technology in the Office of the Director, NHLI, since October 1973, is retiring from the Federal service to become professor of surgery at the State University of New York, Stony Brook.

Dr. Dennis joined the National Heart and Lung Institute staff in March 1972 to direct development of heart-assist and respiratory-assist devices and instrumentation for diagnosis and treatment of circulatory and pulmonary disorders.

Pioneered in Surgery

The eminent surgeon pioneered in the use of heart-lung machines and related techniques of cardiopulmonary assistance. He is author or co-author of more than 160 scientific papers.

Dr. Dennis received his undergraduate training at Harvard, his M.D. from Johns Hopkins, and his Ph.D. in surgery from the University of Minnesota.

Dr. Dennis has held posts as professor and chairman of the department of surgery at the SUNY Downstate Medical Center, Kings County Hospital, the State University Hospital, and St. John's Episcopal Hospital. He has served as consultant in surgery to numerous other hospitals.

During his tenure here, Dr. Dennis was also clinical professor of surgery at Georgetown University School of Medicine and emeritus professor of surgery at the SUNY Downstate Medical Center.

Dr. Dennis is president of the North American chapter of the International Society of Surgery.

Data Bank Program, which promotes world-wide exchange of cancer research information.

For further information, contact: ICRDB Program Office, NCI, Bldg. 31, Room 10A35, Ext. 62713.

Dr. Edwards Will Head Education Branch of NCI

Dr. Margaret H. Edwards has been appointed chief of the Education Branch of NCI's Division of Cancer Research Resources and Centers.

Dr. Edwards will be responsible for planning programs and for the review and evaluation of applications for Cancer Clinical Education Program grants to develop innovative methods for teaching cancer-related subjects in medical and dental curricula.

This program will enable trainees in the health professions to acquire basic knowledge of the cancerous process, preventive measures, and skills in diagnosis, therapy, and rehabilitation.

The new program also encourages medical and dental schools' departments to provide carefully designed, multidisciplinary cancer institutions.

Joined NCI in 1964

In 1964 Dr. Edwards joined NCI as executive secretary for the National Advisory Cancer Council subcommittee on diagnosis and treatment.

From 1965-73 she was program director for clinical cancer training in the Division of Extramural Activities. In 1973 she was appointed chief of the Education and Train-



Dr. Edwards is the author of 23 scientific publications.

ing Branch of the Cancer Control Program.

Dr. Edwards received the A.B. degree from Western College, Oxford, Ohio, 1934; her M.D. from Temple University School of Medicine, 1944, and the M.P.H. from Harvard School of Public Health, 1960.

From 1952-58 Dr. Edwards was in private practice in Trenton, N.J. During this period she also served at the tumor clinic at Woman's Medical College, Philadelphia.

During 1956-64 she held several positions with the New Jersey State Department of Health.

Study Shows Marijuana Is Least Effective Drug For Controlling Anxiety in Oral Surgery Patients

In a 2-year research program on drugs for controlling anxiety in oral surgery patients, it was shown that marijuana was the least effective of the several agents that were tested.

This research, funded by the National Institute of Dental Research, was reported by Dr. Ernest W. Small, University of North Carolina School of Dentistry, during a meeting in London of the 62nd Annual World Dental Congress of the Federation Dentaire Internationale. Dr. John M. Gregg, UNC-SD, headed the study.

Dr. Small said marijuana was not effective in controlling anxiety in patients during surgery. He further explained that "... in low doses it actually elevated anxiety to a surprisingly high degree."

Besides low doses of marijuana, other agents used in the research project were injections of valium (a standard surgical analgesic), non-active saline solution (salt water) and double doses of marijuana. The researchers used the active ingredient in marijuana (delta 9 tetrahydrocannabinol THC) in solution. The THC solution was made available through the FDA.

Volunteer patients were selected after careful screening was com-

pleted, and the study was approved by the University of North Carolina Committee on Investigations Involving Human Subjects.

Georgetown U. to Give Nuclear Medicine Course

The department of physiology and biophysics and the nuclear medicine division of Georgetown University School of Medicine are sponsoring a course on Nuclear Medicine: Basic Science and Clinical Application.

The lecture series, to be held Tuesdays from 7 to 9:30 p.m., Feb. 4-May 27, will cover the fundamentals of radiation science and recent advances in clinical nuclear medicine.

Course Described

The course includes basic material related to nuclear counting, instrumentation, and radiation physics.

It may also serve as a review for applicants to the Board Examination in radiology, pathology, and nuclear medicine.

The registration deadline is Jan. 15. Contact Dr. Thomas Mitchell at (202) 625-2107 or Dr. John C. Harbert at (202) 625-7492 for further information.



Sen. Claiborne Pell of Rhode Island, a member of the Senate committee that passed legislation establishing the National Cancer Program and the cancer data bank in 1971, watches a CANCERLINE demonstration by Samuel A. Tancredi (center) and Dr. John H. Schneider of NCI.