

# Record

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

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NATIONAL INSTITUTES OF HEALTH



Dr. Martin M. Cummings (c), Director of the National Library of Medicine, receives the Rockefeller Public Service Award on Dec. 5 from Princeton University President William G. Bowen as John D. Rockefeller, III, award sponsor, looks on. Dr. Cummings—who received \$10,000 tax-free along with four other Government officials—was cited for his leadership in applying modern telecommunications and computer technology to the problems of medical information transfer and for having turned NLM "into the foremost biomedical information center in the world."

## Marked Reduction in Utility Consumption Over 3-Month Period Reported by OES

Since NIH embarked on its full-scale Energy Conservation Program in early September, there have been marked reductions in utility consumption.

The Office of Engineering Services announced that there have been major savings in fuel oil and electricity.

For September, October, and November of this year compared to FY 73, fuel oil consumption was reduced by 14.3 percent and electricity by 6.8 percent.

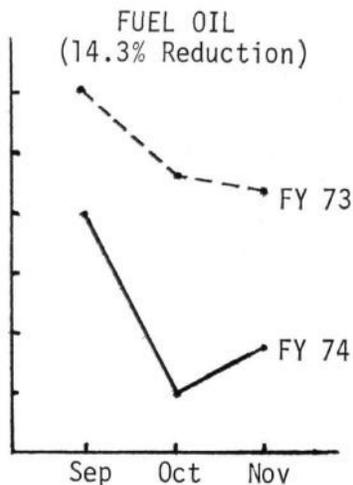
Employees have cooperated in the execution of the various steps of the energy conservation program. One step includes enduring lower temperatures when space heating is required, and somewhat uncomfortable conditions at other times.

The savings over the 3-month period was approximately 342,000 gallons, or something in excess of 8,000 barrels of fuel and 3.1 million kilowatt-hours of electricity.

Fuel oil suppliers had notified NIH that oil deliveries would be reduced 15 percent effective Nov. 15, 1973.

The disproportionate savings in fuel oil over electrical consumption resulted from unseasonably higher temperatures during October. Electricity is the primary source of energy for space cooling.

The continued support of everyone is essential to prevent future steps which may adversely affect program activities.



## Dr. Jack Orloff Is Given Homer W. Smith Award

Dr. Jack Orloff, chief of the Laboratory of Kidney and Electrolyte Metabolism, National Heart and Lung Institute, is this year's recipient of the Homer W. Smith Award in Renal Physiology. Dr. Orloff has headed that laboratory since 1962.

The award was made at the annual meeting of the American Society of Nephrology, held on Nov. 19 in Washington, D.C.

Dr. Saul Farber, professor of medicine, New York University, presented the award. He cited Dr. Orloff's many contributions to the field of renal physiology, including his studies on the acidification of urine, the metabolism and excretion of ammonia, and electrolyte metabolism in the kidney.

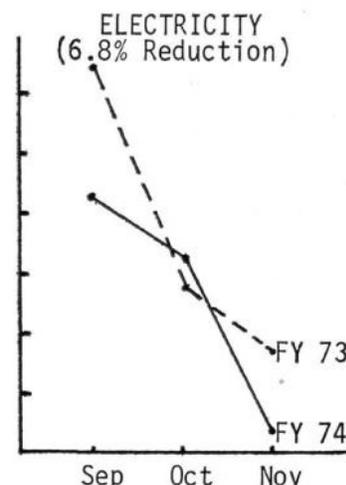
### Discusses Research

He also discussed Dr. Orloff's research on the effects of vasopressin and other hormones as regulators and modulators of fluid and electrolyte metabolism, and the role of cyclic-AMP as a mediator of these processes.

The award was established by the New York Heart Association to honor the memory of Dr. H. W. Smith (1895-1962) who was professor of physiology at NYU's College of Medicine.

Dr. Orloff studied under Dr. Smith in 1940. Subsequently, he was a research fellow at Yale Med-

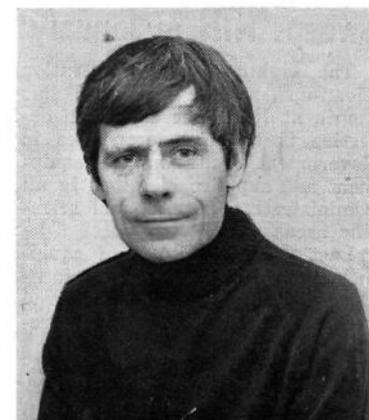
(See DR. ORLOFF, Page 6)



## Dr. J. Fex Named Head, Neuro-otolaryngology Laboratory at NINDS

Dr. Jorgen Fex has been appointed chief of the newly-developed Laboratory of Neuro-otolaryngology, National Institute of Neurological Diseases and Stroke. This is the first laboratory of its kind in the Institute.

Dr. Fex, an internationally recognized investigator of auditory physiology, has conducted neuro-



As head of the new laboratory Dr. Fex will develop approaches to unraveling the complex anatomical, physiological and biochemical problems in communication disorders.

physiology research in the laboratories of two Nobel Laureates, Dr. Ragnar Granit, a former FIC scholar, and Sir John Eccles.

Dr. Fex's research primarily centered on the role of efferent nerve impulses, those which travel from the brain to the ear, and on neural activities of single cells in the central nervous system.

### Background Noted

Before coming to NINDS, Dr. Fex had served for 4 years as professor in the Center for Neural Sciences, department of anatomy and physiology at Indiana University. Before that he was a visiting scientist in the Laboratory of Neurobiology, National Institute of Mental Health.

He received both his M.D. and Ph.D. degrees from the Karolinska Institute in Stockholm. While he

(See DR. FEX, Page 6)

# the NIH Record

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## 8th 'Operation Clean-Up' Sweeps NIH in January

The eighth annual "Operation Clean-up" will be conducted this month at NIH. The campaign objective is to effect economies in Government by utilizing idle equipment and supplies identified in all administrative, service, and scientific areas.

Last year, 363 items of equipment valued at \$173,870 were identified and subsequently transferred to the Property Utilization Warehouse for reissue.

Otis Ducker, assistant director for Materiel Management, OAS, suggests that in order to fulfill campaign objectives, each NIH component should initiate a "house-cleaning."

Again this year, organizational



Harry W. Killgo (r), head of the Mail Service Section, receives a retirement certificate—signed by HEW Sec. Caspar Weinberger—from Donald Cushing, assistant director for General Services Management, ODA. Over 150 friends and associates honored Mr. Killgo at a farewell luncheon capping his 32 years of service at NIH.

## SHER Sponsors Lecture On Sex Discrimination

SHER (Self Help for Equal Rights Committee, NIH Organization for Women) is sponsoring a lecture on Thursday, Jan. 17, at 12 noon in the Masur Auditorium.

Lawrence Speiser will speak on Sex Discrimination at NIH—Making a Federal Case.

Mr. Speiser is the attorney handling a class action suit charging NIH with sex discrimination in the areas of hiring, promotion, training, and duty assignments.

SHER is one of the organizational co-plaintiffs in the suit.

segments are requested to organize internal "walk-thru" teams and survey all programs to identify administrative, laboratory, and scientific equipment that can be made available for redistribution on a cost-free basis to other activities.

In the interest of safety, fire hazard, and general appearance, it is suggested that special attention be given to cluttered hallways and/or storage areas.

## Schedule Noted

Buildings located off the reservation will be visited during the week of Jan. 14; "on-campus" buildings starting Jan. 21. Property representatives will notify each area before the visit.

The Scientific Equipment Rental Program initiated by BEIB-DRS in September 1970 has numerous unfilled requests for equipment.

Concurrent with the "walk-thru" it would be appreciated if seldom used expensive research equipment is transferred to the loan pool for redistribution.

For further information call Herbert Horrel, Ext. 64131.

## NCI Lab Employees Set Longevity Record —They're Also Called Innovative Workers



The lab pace-setters leave their work only long enough for a short photo session. L to r are: Miss Sanders, Mrs. Howard, Mrs. Poole, Mrs. Mauck, Mrs. Thompson, Mrs. Voigt, Mrs. L. Dove and Mrs. C. Dove. Mrs. Coolidge and Mrs. Shade were not present.

The Pathological Technology Section of the National Cancer Institute's Laboratory of Pathology has a record breaker of its own — employee longevity.

The section's 10 employees, responsible for preparing microscopic slides from animal tissue, together have provided more than 210 years of Federal service.

The average length of service for histopathology technicians is under 2 years, a span these employees have surpassed by an average of 19 years.

## Employees Listed

The employees who set the record are Barbara J. Coolidge, 20 years; Charlotte V. Dove, 26 years; Lindell V. Dove, 17 years; Ruby M. Howard, 13 years; Clara A. Mauck, 24 years; Eloise E. Poole, 11 years; Betty J. Sanders, 25 years; Hazel M. Shade, 23 years; Ruby M. Thompson, 21 years; and Florence D. Voigt, 30 years. Charlotte and Lindell Dove are sisters-in-law.

Prior to last July, the group consisted of 15 employees. That larger group's average length of service was also 21 years, but the combined Federal service of its members was 314 years.

The five employees who recently retired or transferred were Elizabeth L. Cantu, 25 years; Pauline N. Case, 30 years; Lydia J. Tedesco, 23 years; Cervantiz B. Thomas, 1 year, and DeWitt J. Womack—the only man in the group—32 years.

Many NCI researchers regard that section as one of the best laboratories of its kind.

The staff has modified many techniques and introduced or invented several pieces of equipment to improve volume and produce slides of superior quality.

The section has accessioned—consecutively numbered—more than 2,000,000 paraffin blocks of animal tissue. These blocks are used in preparing slides for stain-

ing.

When completed, the slides are returned to the investigators; the section retains the blocks for the preparation of future slides for study purposes. This permanent tissue block library represents all of the pathologic and histopathologic animal research done in NCI for the past 36 years.

The laboratory was formed in February 1937 by Dr. Harold L. Stewart, who still serves as a consultant. The current chief is Dr. Louis B. Thomas. Miss Sanders heads the section.

A manual—*Animal Histology Procedures of the Pathologic Technology Section of the National Cancer Institute*—on the techniques used there was published in September 1972 and is available through the Government Printing Office. NIH investigators may obtain a copy in Bldg. 37, Room 1E06 or by calling Ext. 65951.

## History of Medicine Soc. To Hold Meeting Jan. 17

The Washington Society for the History of Medicine will hold its next meeting on Thursday, Jan. 17, at 8 p.m. in the Billings Auditorium of the National Library of Medicine.

Speakers will be Dr. Peter D. Olch, NLM, and Dr. John Duffy, Department of History, University of Maryland.

Dr. Olch's talk will be on The Santa Fe Trail in 1860 from the Diaries of a Military Surgeon, and Dr. Duffy will speak on States Rights Medicine: A Southern Medicine for Southerners.

Visitors are welcome.

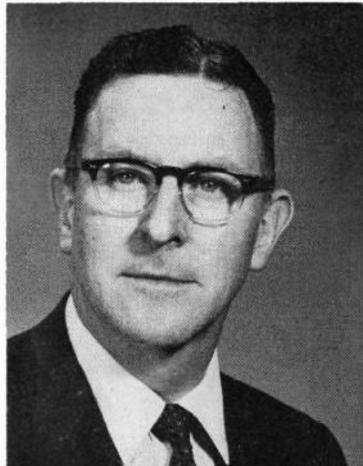
## Joseph Murtaugh Dies; Former Chief, Office Of Program Planning

Joseph Stuart Murtaugh, one of the designers of NIH's research-support programs during the years of the agency's most rapid growth in the 1960s, died Dec. 3 after a long illness.

He joined the staff of the NIH Director in 1956 as assistant chief of the Office of Research Planning. In 1961 he was appointed chief of the Office of Program Planning, in which post he served until his retirement from Federal service in 1968.

During this period, as a close advisor to the NIH Director, Mr. Murtaugh played an influential role in all the major administrative and policy developments associated with the emergence of NIH as the Nation's, if not the world's, greatest medical research institution.

For his service at NIH, he was



Joseph S. Murtaugh

awarded both the DHEW Superior Service and Distinguished Service Awards.

Upon retirement from the Federal Government, Mr. Murtaugh was appointed executive secretary of the Board on Medicine, National Academy of Sciences, and participated in resolving the problems surrounding the creation of the Institute of Medicine, now the principal instrument of the NAS dealing with medical and health-related policy matters.

In March 1970 he became the first Director of the Department of Planning and Policy Development of the Association of American Medical Colleges, a post he held until his death.

Before coming to NIH, Mr. Murtaugh served in the Office of the Surgeon General of the Army developing data on the utilization of Army medical facilities in the Zone of the Interior.

Following World War II, he briefly served with the United Nations' Relief and Rehabilitation Ad-

## Underground Facilities, Landscape Plans Determined for Medical Center Station

As reported in the Dec. 5 issue of the *Record*, the final location of the Medical Center Station serving NIH, the National Naval Medical Center, and the surrounding area was approved by the Metro Board. Operation is planned for 1978.

In addition, the general landscape and underground facilities have been determined. The station platform will be approximately 120 feet below grade and will be reached by escalators—elevators for the handicapped will also be provided. Surface features include bus bays and kiss'n'ride drop-off spaces.

With the approval of the Adopted Regional System (ARS) in 1968, a station on or adjacent to NIH property was established.

This was a general determination followed by examination of seven or eight specific sites along Rockville Pike between Cedar Lane and Battery Lane; four of them on NIH property were given primary consideration.

The Office of Engineering Services acted for NIH in the negotiations which involved the National Capital Planning Commission, Federal Metro Council, Washington Metropolitan Area Transit Authority, Maryland Department of Transportation, Washington Suburban Transit Commission, Maryland-National Capital Park and Planning Commission, and the Montgomery County Council.

Site evaluations involved such

administration. He then joined the Public Health Service in 1947 as Director of Statistical Analysis and Special Studies in the Bureau of Medical Services.

Mr. Murtaugh was later appointed assistant executive officer of the Bureau and received an outstanding performance citation for his role in the transfer of the Indian Health Program from the Department of the Interior to the PHS.

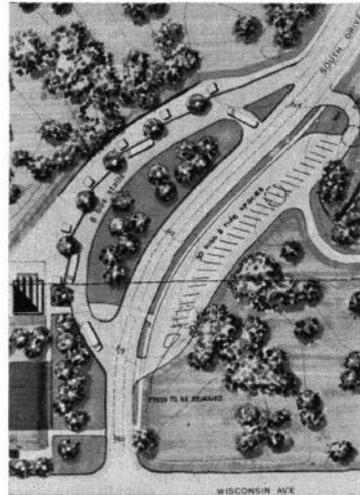
He was born in Weston, Mass., on July 15, 1912—but after the death of his father, he grew up on his uncle's ranch in South Dakota.

### Joined Gov't in 1935

Mr. Murtaugh graduated from the College of St. Thomas in 1933 and entered the Federal service in 1935 as a junior statistician in the Works Progress Administration.

Subsequently, he served as chief of the Operating States Program of the National Youth Administration.

He is survived by his wife, Dorothy, 10912 Clermont Avenue, Garrett Park, Md., four children—Michael Stuart, Washington, D.C.; Mrs. Patricia Joan Payne, Baltimore; James Allen, Wheaton, and Paul Evan of the home address—five grandchildren, and a sister, Mrs. Emily Gross, Belle Fourche, S.D.



Bus stalls (l) for unloading passengers and kiss'n'ride drop-offs (r) flank South Drive. Escalators (just below left of center) will be provided to reach the underground facility.

matters as surface traffic volume and turning movements, feeder bus system requirements, projected usage, influence of parking and kiss'n'ride features, geological conditions affecting depth and location of the station platform, effect on adjacent residential and business communities, potential for thru-traffic across NIH property, and adequate space for vehicular and pedestrian activities.

The site location and features selected are the result of several meetings to resolve differences on how best to serve the community and the employment concentration of NIH and NNMC, including extensive visitor and patient activity.

### That's Right—Turn Clocks AHEAD 1 Hour This Sunday

Can this be spring? No, but it is a Presidential Proclamation that, starting this coming Sunday, Jan. 6, Daylight Saving Time will come into effect at 2 in the morning. President Nixon has issued this directive because of the energy crisis.

It is not necessary to turn the clocks ahead exactly at 2 a.m. It may be done before one retires or after one arises.

For all sites that were considered, it was assumed that a shuttle bus system would be needed.

The rapid transit line will serve a north-south corridor and depend on feeder bus systems to bring patrons to stations from east and west of the line.

These same feeder buses will serve NIH- or NNMC-bound employees, and some part of those buses are expected to be routed through the NIH campus to serve as a shuttle between employee centers and the station.

Based on an analysis of employees by salary range and zip code area, at least 15 percent of NIH employees are expected to use Metro when it becomes operational; it is also anticipated that NIH employees living east and west of NIH will make considerable use of the feeder bus system.

This should substantially reduce the reliance on individual autos and the need for parking facilities.

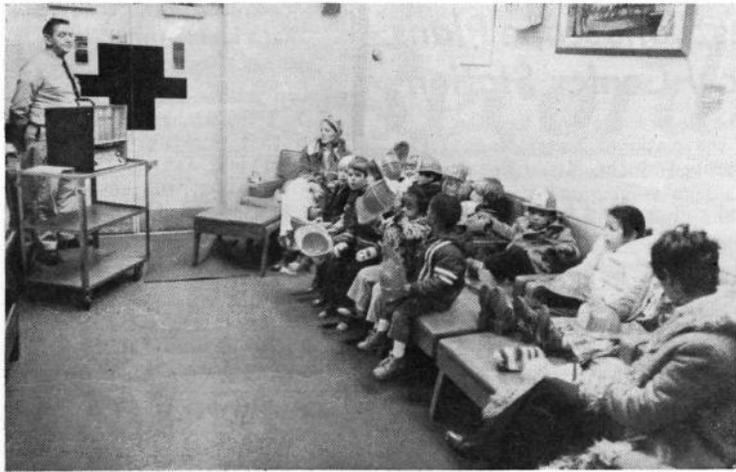
The plan is based on the closing of South Drive to thru traffic except for buses between Center Drive and Rockville Pike.

Community residents wishing to use kiss'n'ride facilities must enter from Rockville Pike only and depart the same way.

Buses crossing NIH roads to enter South Drive will be limited to those required to serve NIH-NNMC employee needs.



Albert Godwin, DRS (2nd from right), newly-elected president of the AFGE-Local 2419 of NIH, receives a copy of the union's constitution from Harry Womack, ODA (right), the local's 2nd vice president, following installation ceremonies. Waiting to extend their congratulations are Grady Jefferson, CC (left), chief shop steward, and Kathryn Hutcherson, DRS (2nd from left), 1st vice president.



As at most important meetings, first comes the briefing. Inspector Alvie Ridgley explains the activities of the NIH Fire Department and shows films of equipment that is used all in a day's work. The children are flanked by their teachers—Linda Schade (far left) and Loretta Henry.



The children are fascinated with the kitchen-dining room quarters and the full-stocked refrigerator which attests to the fact that NIH firemen eat well.



That's the way to do it. When you're that size it takes strength and concentration to whoosh out carbon dioxide from a 5-pound fire extinguisher.



And then on to the bunk house where the firemen, who are on shifts of 24-hour duty, sleep with eyes open (figuratively) and ears attuned to the alarm. The young man at left rear won't be caught unawares if the bell does ring. His hands are all ready to be cupped over his ears.



Captain Vincent Napoli scoops up a little girl who was just a tiny bit startled at the tintinnabulation of the alarm bell which echoed through the firehouse.



This is the hose which squirts the water, etc.—and it was voted the most fun.

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# A Morning at the NIH Firehouse

It's most everybody's Walter Mitty-like dream to hold the hose which squirts the water that puts out the fire that's burning the house which somebody's jack built.

Twelve youngsters from the NIH Child Care Development Center, the nursery school for children of NIH employees, had at least part of that wish come true. They also rode atop a fire truck with bells clanging.

The children spent a happy 2 hours visiting the firehouse and firemen on the NIH campus. First on the program was the giving out of a "real" fireman hat to each child, followed by a talk explaining firehouse procedures and the use of the equipment.

Then came a tour of the premises including the garage which houses the trucks, and the living quarters which house the firemen. The tour took in the large-sized room with neatly made-up bunk beds.

And here Inspector Alvie Ridgley, who gave the talk, manipulated the automatic bell which awakens the firemen when an alarm is sounded.

He also pointed out the rubber lined "ceiling" on the bottom of the upper berth (or the top of the lower berth, depending on one's view), so that a fireman awakened from a deep sleep and raring to go at the sound of the bell, wouldn't hurt his head, if, in his hurry, he bumped it. It has happened.

The lights came on, the bell gave

out with a resounding peel, and the children covered their ears. Inspector Ridgley pointed out that "we hear that bell, beyond a doubt."

Inspector Joseph Mercer then herded the children into the garage, donned about 60 pounds of equipment, including a heavy yellow slicker with interlining, and a breathing apparatus—that alone weighed over 40 pounds—impervious to smoke.

"I look like a man playing Halloween, but I'm your friend," he assured his young charges.

The children trooped back to the roomy kitchen to a table laden with plates holding Christmas cookies, pretzels, and punch. Near each plate was a present to take home—a candy cane and a couple of coloring books.

But the best was yet to come—even the feast paled by comparison—the children went outside, the fire hose and the fire extinguisher were brought out and the kids went to town.

Twelve children held the hose and squirted water from the nozzle, and also doused flames—with firemen protectively hovering over them—with a 5-pound hand extinguisher shooting carbon dioxide.

Only one more thing could happen to make their cup runneth over—and it happened: each child was hoisted into the fire truck by willing hands, the bell clanged and off they went back to school. It was a day to remember.



Inspector Joseph Mercer gives a detailed explanation on the protective outfit worn by the well-dressed fireman. The youngsters felt the weight of his turn-out coat—the heavy interlined yellow slicker—and inspected the breathing apparatus.



Before going outdoors, the young guests took time out to fortify themselves with refreshments. And there were gifts for all to take home.



The end of a perfect morning. Now they are back on their own grounds where they will disembark and scamper into their schoolroom in Bldg. 35.

Photos by Ed Hubbard



Alley-oop, right into the waiting arms of the firemen and into the fire truck. Not too many children can boast about using that mode of transportation.

## Consumer Education Courses Will Continue

The first 5-week series of Consumer Education Courses, sponsored by the Office of Personnel Management, ended on Nov. 14. Sixty employees participated.

These classes were presented by Catherine Rhoads, University of Maryland Extension Home Economist for Montgomery County. Mrs. Rhoads discussed family spending plans, ways of coping with our complex consumer society, and practical ways of cutting costs.

Special emphasis was placed on how alert shoppers can save 10-20 percent on each supermarket shopping bill.

Charity Singleterry, Consumer Affairs Officer, FDA, spoke on the labeling of products at present and about future changes.

Fred Kruhm, assistant manager of the NIH Credit Union, spoke about the services the Credit Union offers, answering a variety of questions on advantages of securing a loan through the Credit Union versus loan companies.

Paul Plawin from *Changing Times* magazine spoke on investments.

Another series is scheduled for January, and more will be offered as long as there is employee interest. There is currently a waiting list of 240 individuals.

## DR. ORLOFF

(Continued from Page 1)



In 1969, Dr. Orloff was the Distinguished Lecturer in Physiology at the 125th Anniversary of NYU's College of Medicine.

ical School before joining NHLI in 1950.

Dr. Orloff is president of the American Society of Nephrology and a member of other professional societies.

With Dr. Robert W. Berliner, former Scientific Director of NIH, Dr. Orloff edited the volume on *Renal Physiology* in a handbook series on physiology sponsored by the American Physiological Society.

Dr. Orloff's other honors have

## DR. FEX

(Continued from Page 1)

was completing his Ph.D. he worked under Dr. Granit in the Nobel Institute for Neurophysiology.

From 1962-1964, Dr. Fex was docent professor of neurophysiology in that institution. He then became a senior research fellow of physiology in the department of physiology, John Curtin School of Medical Research, Australian University in Canberra, under Sir John Eccles.



Dr. Theodore Cooper (l), NHLI Director, receives the Gold Heart Award—the American Heart Association's highest honor for volunteer leadership—from Dr. Paul N. Yu, outgoing AHA president. Dr. Cooper was honored for his leadership in directing NHLI-supported research programs and in that capacity served as liaison representative on AHA's board of directors.

## NIH Graduate Program Will Offer 62 Courses

Sixty-two evening courses are being offered by the Graduate Program at NIH this spring.

The semester will begin on Feb. 11, and will include 3 new courses: The Philosophy of Scientific Research, Biological Systems Analysis, and Introduction to Data Structures.

Tuition is \$22 per semester hour, and courses may be taken for credit or audit. Those students whose expenses will be paid by the Government should apply at once to their administrative offices for training assistance.

Students currently enrolled in two-semester courses must register for the second semester.

Registration is possible by mail through Jan. 18 and *in person* from Jan. 31 through Feb. 6. Schedules of classes may be obtained in the school office in the Clinical Center, Room B1-L-101, Ext. 65273.

included the A.N. Richards Lectureship in Renal Physiology and the John P. Peters Honorary Lectureship.

## Dr. Frantz Ashley Dies; Investigator in NHLI's Biometrics Research Br.

Dr. Frantz W. Ashley, Jr., National Heart and Lung Institute, died suddenly on Nov. 22. He was in the Biometrics Research Branch, Division of Heart and Vascular Diseases.

Dr. Ashley had served for 2 years as a statistical consultant to the Honolulu Heart Study and the Puerto Rico Health Study, both major NHLI-supported epidemiological studies.

Dr. Ashley received his B.S. in mathematics from the University of Oklahoma in 1955. He did his graduate work at Oklahoma State University where he earned both his M.S. and Ph.D. degrees.

He taught mathematics at Southwest Missouri State College and the University of Arkansas. Then, after 2 years as a post-doctoral fellow in mathematics at Stanford University, Dr. Ashley served as a statistical consultant in medical research to the Atomic Bomb Casualty Commission in Hiroshima, Japan.

Before joining the NHLI staff, he was assistant professor of mathematics at Fresno State College.

Dr. Ashley is survived by his wife, Misuka, two daughters, a son, and one brother.

## NIH Sailing Club Offers Course On Boating to Start Jan. 15

A course on Basic Boating has been arranged by the NIH Sailing Club on 12 consecutive Tuesdays beginning Jan. 15 from 7:30 to 9:30 p.m. in Bldg. 36, Room 1B-07.

The U.S. Power Squadron is conducting the course, and except for the text all materials will be provided at no charge.

To enroll—there are openings for 20—send your name and NIH mailing address to the NIH Sailing Club, Bldg. 36, Room 2A-03.

## Dr. Anthony Rene Joins Grants Assoc. Program

Dr. Anthony A. Rene of the Armed Forces Radiobiology Research Institute has joined the NIH Grants Associates Program for a year of training in grants administration.



Dr. Rene

The Program trains scientists for administrative positions in extramural research activities and is administered by the Division of Research Grants.

Dr. Rene has been Director of the Cell Physiology Program of the Institute since 1965. He was a physiologist with the Defense Documentation Center from 1962 to 1964.

### Research Interests Noted

Dr. Rene received a graduate assistantship (1958-1960) and a graduate associateship (1960-1962) from Catholic University where he earned the M.S. and Ph.D. degrees. He received the B.S. degree from Southern University, Baton Rouge, La., in 1955.

His research interests include cell physiology and biochemistry; electron microscopy of cells and tissues, and cytochemistry and membrane permeability.

## NHLI's Dr. S. D. Bruck Writes Book on Polymers

Dr. Stephen D. Bruck of the National Heart and Lung Institute has authored a book, entitled *Blood Compatible Synthetic Polymers—An Introduction*, published in December by Charles C. Thomas, Springfield, Ill.

Dr. Bruck is program director for Biomaterials in the NHLI Division of Blood Diseases and Resources.



Dr. John L. Sever (second from l), chief, NINDS Infectious Diseases Branch, recently hosted a tour of NIH for Australian Rotarians visiting this country. They are participants in the Rotary Foundation's Group Study Exchange designed to further international understanding. Dr. Sever is district chairman of the Rotarian Group Study Committee.

## STEP Committee Redesigns Continuing Education Program, Updates 'Modules'



Dr. Galasso (r), new STEP chairman for 1974, receives a report of the previous year's STEP activities and plans from Dr. Samuel Schwartz (l), NHLI, and Dr. Thomas Malone, NIH Associate Director for Extramural Research and Training.

To meet the needs of scientist-administrators and managers of grant and contract-related activities, the Staff Training-Extramural Program committee has redesigned and updated its Continuing Education Program.

The number of courses, called "modules," have been increased to eight with the addition of one, entitled Public Policy and the Management of Scientific Research and Development.

The registration schedule has also been revised. Previously, registration was completed at the beginning of the year for all courses. Now, each module has a specific deadline.

One course—Management Principles and Techniques—due to its enthusiastic reception, will be offered twice during the 9-month program.

Dr. George J. Galasso, chief of NIAID's Infectious Diseases Branch and new STEP chairman, said, "Last year, we were very successful. Our Continuing Education Program was well received. In fact, we got nothing but good evaluations from those who participated in the courses."

### 'Batting a Thousand'

"However, we evaluated each module in detail to emphasize the positive aspects and eliminate the negative."

"Right now we are batting a thousand—and that's a good average to start with," Dr. Galasso concluded.

The modules were designed to give participants, over a 2 or 3-day period, intensive exposure to grant and contract procedures and policies practiced by all Institutes. Also, the courses were developed to help broaden the employee's knowledge in his particular area of responsibility.

"Like so many of us, we may enter a job and get so bogged down with details that we lose sight of what is happening around us. STEP helps to regain the perspective," Dr. Galasso said.

Courses have been selected in

areas that would be of greatest interest and use to employees involved with contracts and grants. The STEP committee has considered other topics, but, according to Dr. Galasso, "due to committee limitations, we will wait until our present modules are well organized before we add new ones."

Between March and October, the following areas will be covered:

- Grantee/Contractor Relationships (Mar. 4-6) Dr. Ann Kaufman, Ext. 61357;

- Public Policy (Mar. 31, Apr. 1-3) Dr. William Goldwater, Ext. 65126;

- Committee Management and Procedures (June 3-4) Dr. Mischa Friedman, Ext. 67380;

- Program Planning, Analysis and Evaluation (July 14-17) Dr. William Rogers, Ext. 67491;

- Management Principles and Techniques (June 27, July 15-19, Aug. 12-13) Louis Voegler, Ext. 66371;

- Resources and Financial Management (Aug. 5-6) Leonard Hooper, Ext. 67501;

- Overview of Contracts and Grants (Sept. 12-13) Dr. Walter Newton, Ext. 67061, and

- Management Principles (Sept. 9, Sept. 30-Oct. 4, 23-24) Louis Voegler.

Registration deadline for the first module, Grantee/Contractor Relationships, is Jan. 31. Brochures and applications are available from Clifford Johnson, Ext. 64777.

Employees may take as many seminars as they desire—space permitting.

Members of the STEP committee

## NIH Visiting Scientists Program Participants

11/11—Dr. Shen Yang, Taiwan, Chemistry Branch. Sponsor: Dr. Harry Gelboin, NCI, Bg. 37, Rm. 3E24.

11/15—Dr. Jorgen Fex, Sweden, OD-NINDS. Sponsor: Dr. Henry Wagner, OD, Bg. 36, Rm. 5A05

11/18—Dr. William Bowen, Ireland, National Caries Program. Sponsor: Dr. James P. Carlos, NIDR, Westwood Bg., Rm. 528.

11/25—Dr. Takeo Kakunaga, Japan, Chemistry Branch. Sponsor: Dr. C. Wesley Dingman, NCI, Bg. 37, Rm. 3C21.

11/26—Dr. Peter W. Schiller, Switzerland, Laboratory of Chemical Biology. Sponsor: Dr. Alan Schechter, NIAMDD, Bg. 10, Rm. 9N321.

11/30/73—Dr. Yoke Peng Loh, Singapore, Behavioral Biology Branch. Sponsor: Dr. Harold Gainer, NICHD, Bg. 36, Rm. B308.

12/3/73—Dr. Teruzo Konishi, Japan, Research Services Branch. Sponsor: Dr. Reginald O. Cook, NIEHS, Research Triangle Park, N.C.

12/3/73—Dr. Kenji Kumaki, Japan, Section of Developmental Pharmacology. Sponsor: Dr. Daniel W. Nebert, NICHD, Bg. 10, Rm. 5B09.

are: Dr. Galasso; Dr. Wilford S. Bailey, NIAID; Dr. Carl R. Brewer, Dr. Suzanne S. Stimler, DRR; James B. Cash, Louis Voegler, OD; Dr. Mischa Friedman, DRG, and Dr. G. Lawrence Fisher, NINDS.

Also, Jehu C. Hunter, NICHD; Dr. Suzanne S. Hurd, NHLI; Dr. Francis J. Mahoney, NCI; Dr. John B. Mathis, NEI; Linden F. Neff, NIAMDD; Dr. Walter L. Newton, NIGMS, and Dr. William E. Rogers, Jr., NIDR.

Ex officio members include: Dr. William H. Goldwater, Clifford F. Johnson, Dr. Ann A. Kaufman, OD; Leonard Hooper, DRG, and Dr. Samuel Schwartz, NHLI.



## Bus Service Available From Columbia, Md. For NIH Commuters

Bus service—designed to help commuters beat the gas shortage crisis—will be provided from Columbia, Md., to NIH and Woodmont Triangle, on a trial basis, beginning Jan. 7.

The number of riders will determine whether or not the bus service will continue beyond the trial period.

A single bus will run a set route with 14 stops in Columbia, 4 stops on the NIH Campus, 1 stop at the Naval Medical Hospital, and 3 stops along Woodmont Avenue ending at Old Georgetown Road and Woodmont.

In the morning, the bus will begin its route at 7 a.m. and complete the last stop at an estimated time of 8:20 a.m., weather permitting.

In the evening, departure time will be 5:05 p.m. and the bus will reach its last stop in Columbia at about 6:30 p.m.

Fare initially will be \$1.25 each way with no discount for multi-fare tickets. If there are over 35 riders, however, fares should drop.

Those interested in a copy of the route and schedule can contact the Exhibit Center or the Transportation Office of the Columbia Association, 730-6100. At NIH, contact Dave Moriarity, NLM, Ext. 61306, or Alyce Myers, NLM, Ext. 66071.

## Film on Rehabilitation Program For Elderly Shown on Jan. 9

"Voyage to Hope," a film about a new rehabilitation program for the disabled and elderly, will be shown in the Masur Auditorium on Jan. 9, at 11:30 a.m. and noon.

The 25-minute color and sound movie was produced at the Volk Rehabilitation Center, a part of the Saginaw County Hospital in Michigan. The showing is sponsored by FIC and NICHD.



Tiny rat pups, no bigger than a man's thumbnail, are used for studies to determine the effects of protein malnutrition on the developing animals. The research, funded by NIDR and undertaken at the U. of Alabama, showed that lack of protein plus a rise in sugar consumption and snacking may account for the increasing tooth decay throughout the world. Right: The rat pup, held between the researcher's thumb and forefinger, is fed with a bulb-tipped needle to supplement the milk it receives from its mother. Left: The two rats are the same age; the stunted growth in the smaller one is attributed to protein deficiency during lactation.

## Dr. F. Fenner Returns To Fogarty Program

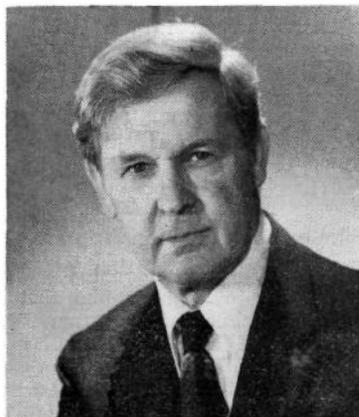
Dr. Frank Fenner, Director of the Center for Resource and Environmental Studies, Canberra, Australia, returned to the Fogarty Scholars-in-Residence Program on Dec. 10.

During his first 4 months as a Fogarty Scholar from December 1971 to March 1972 (see the *NIH Record*, Jan. 4, 1972, p. 8), Dr. Fenner concentrated on research in the virus field and worked extensively on his new book, the second edition of *The Biology of Animal Viruses*, which will be published in February 1974.

### Remaining Until April

Dr. and Mrs. Fenner will reside at Stone House through April 10.

During this time Dr. Fenner will concentrate his efforts in the environmental field and confer with colleagues at the National Institute of Environmental Health Sciences, Research Triangle Park, N.C., as well as in the Washington area.



Dr. Fenner is well known for his scientific contributions to the field of animal viruses.

### NHLI Requires Volunteers With High Blood Pressure For Hypertension Research

Patients with high blood pressure—hypertension—are asked to volunteer for studies undertaken by the Experimental Therapeutics Branch, National Heart and Lung Institute. The studies include diagnostic evaluation and treatment.

For further information call Dr. Harry Keiser, Ext. 63175, or Dr. David Horwitz, Ext. 62452.

Employees may have their blood pressure checked on Wednesdays from 10 a.m. to 2:30 p.m.

Contact Joan Wilson, a registered nurse, Bldg. 10, Room 7N-241, Ext. 63244.

## NCI, DRG Collaborate on Publication Listing Research Topics and Scientists Supported by Institute Grants



Dr. Saunders (second from left) receives the first edition of the publication from William Holliman, acting chief of DRG's Research Documentation Section. Dr. Thaddeus Domanski (l) and Mr. Hodge (r), DCRRC, worked closely with Mr. Holliman and staff to produce the index.

The first edition of the publication, *Subject Index of Current Research Grants Administered by the National Cancer Institute (July 1973)*, was recently issued by NCI's Division of Cancer Research Resources and Centers.

It was compiled by members of the Research Documentation Section, Statistics and Analysis Branch, Division of Research Grants.

This publication, the first of its kind for an individual institute, is a cooperative project between NCI and DRG.

Dr. J. Palmer Saunders, DCRRC director, said that he considers the book a useful source of information to scientists interested in the many research areas supported by NCI grants.

The first section of the index contains an alphabetical list of more than 6,000 research topics, including grant titles and numbers.

### Sections Described

The second section lists numerically each grant and its principal investigator. An alphabetical list of principal investigators and grant numbers is given in the third section.

A similar document, *Research Grant Index*, has been published annually for 12 years by DRG. It contains data on grants and contracts funded by all HEW components.

Single copies of the new NCI

## Hanna Kwiatkowska Voted Life Member, Art Therapy Assoc.

Hanna Y. Kwiatkowska, art therapy guest worker, National Institute of Mental Health, was unanimously voted to honorary life membership in the American Art Therapy Association at its recent annual meeting in Columbus, Ohio.

Mrs. Kwiatkowska, who is with the Intramural Research Adult Psychiatry Branch, received this recognition for work in her field. For more than 23 years, she has been active in developing techniques for using the art work of patients and their families to diagnose and treat mental problems.

Before joining her present NIMH branch in 1958, she was on the staff of St. Elizabeths Hospital.

Mrs. Kwiatkowska, an assistant professor of art therapy at George Washington University's Graduate School of Arts and Sciences, has lectured at a number of institutions in the U.S., including Johns Hopkins University Phipps Clinic and New York University. She has also lectured in South America, Europe and Asia.

Mrs. Kwiatkowska is a graduate of the Warsaw Academy of the Fine Arts, and is widely known as a sculptor.

She has studied in London and New York and has received special honors at the Ecole des Beaux Arts in Geneva; the Institute of Modern Art in Warsaw, and the official Salon of Rio de Janeiro.

index may be obtained from Donald Hodge, Westwood Bldg., Room 852.

## 'Proceedings' of Meeting On New Artificial Kidney Program Now Available

The National Institute of Arthritis, Metabolism, and Digestive Diseases has published the *Proceedings* of the sixth annual meeting of the Institute's Artificial Kidney-Chronic Uremia Program Research Contractors' Conference held last February.

### Contractors Discuss Projects

Some 200 contractors, program consultants, and Institute staff discussed more than 70 research and development projects receiving support from NIAMDD.

The 304-page *Proceedings* are more significant now that financial assistance is available to patients with irreversible kidney failure through Public Law 92-603.

Copies of the *Proceedings* are available through the Artificial Kidney-Chronic Uremia Program, NIAMDD.



Five Nobel prize winners, including NIAMDD's Dr. Christian B. Anfinsen, recently attended the dedication of the University of Chicago's Cummings Life Science Center. Later, the Laureates held an informal press conference. The five agreed that the world's biggest problem is potential overpopulation. L to r are: Drs. Robert S. Mulliken and George W. Beadle, University of Chicago; Dr. Arthur Kornberg, Stanford University; Dr. Gerald M. Edelman, Rockefeller University, and Dr. Anfinsen. Dr. Edelman and Dr. Anfinsen also addressed a scientific session on current frontiers in modern molecular biology.