Dr. Goldstein To Present NIH Lecture on Dec. 2

Dr. Joseph L. Goldstein will present the first of the 1981-82 NIH Lecture series on Cell Surface Receptors for Plasma Lipoproteins: Implications for Biology and Medicine, on Wednesday, Dec. 2, at 8:15 p.m., in Masur Auditorium.

Dr. Goldstein is professor and chairman, department of molecular genetics and Paul J. Thomas Professor of Medicine and Genetics at the University of Texas Southwestern Medical School, Dallas, Tex.

Previously he held the positions of clinical associate, Laboratory of Biochemical Genetics, National Heart, Lung, and Blood Institute, from 1968-1970, and special NIH fellow, division of medical genetics, University of Washington School of Medicine, Seattle, from 1970-1972.

He is cocipient of the Gairdner Foundation International Award, the Lounsbery Award of the U.S. National Academy of Sciences, and the Passano Award, among others.

The National Institutes of Health Lectures were established in 1953 to recognize outstanding scientific accomplishment and to contribute to the vital interchange of scientific information. The lectureship are awarded by the NIH Director on the advice of the B/I/D scientific directors.

NIH To Participate in Sessions, Exhibit At Third White House Conference on Aging

In late November, 5,000 people will convene in Washington for the White House Conference on Aging (WHCoA). Held every 10 years since 1961, this conference has played a major role in the history of the National Institute on Aging.

The meetings will be held from Nov. 29 through Dec. 3 at the Sheraton Washington Hotel. The conference itself is closed to all but official delegates, credentialed observers and exhibitors. NIH will be represented at a Health-Research Fair, where 15 NIH components will have exhibits based on the theme of Your Health From Head to Toe.

The NIH will provide experts to assist at the deliberative sessions and will also sponsor a number of booths and projects. For example, the Institute is cooperating with the Smithsonian Institution's Folklife Program to present an oral history project entitled Tools for the Harvest. White House Conference on Aging delegates and others will be interviewed to discuss how people learn to cope with the problems and challenges of life.

Betty Brake was recently appointed as the new executive director of the WHCoA. She was formerly deputy associate director of ACTION for Older Americans Volunteer Program.

The WHCoA was preceded by 12,000 community forums held in towns and cities across the country, by state conferences, and by 42 miniconferences on specific subjects such as: the older woman, mental health, senile dementia, long-term care, and the media.

Representatives of all the states as well as the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the Virgin Islands, the Trust Territory of the Pacific Islands, and the Northern Mariana Islands will be present.

In addition, 20 leaders from gerontology centers across the world will meet before and after the WHCoA under the auspices of the NIA.

For more information about the WHCoA, call (202) 755-8001.

Dr. A. Patz, Longtime NEI Grantee, Given Jules Stein Award for Work in Infant Blindness

Dr. Arnall Patz, a longtime National Eye Institute grantee, has been named cowinner of the $50,000 Jules Stein Award for pioneering studies which led to a dramatic decrease in blindness among premature infants.

Research to Prevent Blindness, Inc. (RPB), announced the award at a recent American Academy of Ophthalmology meeting in Atlanta to Dr. Patz, who is chairman of the department of ophthalmology at Johns Hopkins University. RPB is a leading source of private support for vision research.

In 1951, Dr. Patz conducted the first randomized, controlled clinical trial showing a connection between high levels of oxygen administered to many premature infants and subsequent development of a blinding eye disorder that was common in such babies.

The disorder is called retrolental fibroplasia (RLF). He found that sustained high levels of oxygen, thought necessary to keep small babies alive, might actually be the cause of RLF in many cases.

Subsequently, a Wayne State University researcher, Dr. V. Everett Kinsey, organized a cooperative study to test Dr. Patz's hypothesis in a nationwide clinical trial involving 786 premature infants at 18 hospitals. This trial, supported by NIH, confirmed Dr. Patz's findings and also showed that premature babies could survive if given smaller amounts of oxygen. Due to these studies, thousands of babies were spared a lifetime of blindness and Drs. Patz and Kinsey were given the Albert Lasker Award in 1956, the most prestigious prize in American medicine.
NIH Bikers Will Discuss Framing, Cold Weather Garb

The NIH Bicycle Commuter Club will meet on Wednesday, Dec. 9, at noon, in Bldg. 29, Rm. 115. Club member Harley Sheffield, who constructs bicycle frames as a hobby, will bring in a partially assembled frame to be used as a demonstration and discussion on frame design, construction and alignment. Questions as to what distinguishes a quality bicycle frame and proper bicycle alignment will be answered.

In addition, Joseph Fenstermacher, a year-round bicycle commuter, will talk about and display the proper clothing and equipment for cold weather cycling. For information call Louis Mocca, 496-1920.

CFC Campaign Lagging; Must Make Strong Finish

The fourth report on the current NIH Combined Federal Campaign has been completed and shows that as of Nov. 10, only 44 percent of the overall goal has been reached.

However, William Fitzsimmons, NIH coordinator, is optimistic and is looking for a strong finish from all B/I/D’s.

Leading the pack, according to the report, is the National Institute of General Medical Sciences with 98 percent of their goal. The National Institute on Aging is running second with 91 percent. Other leaders in the CFC goal race (over 70 percent) are the National Library of Medicine, the Division of Research Grants, the Division of Research Resources, the Division of Computer Research and Technology, and the Division of Research Resources.

With a holiday season fast approaching, all coordinators and canvassers are urged to redouble their efforts to get their respective B/I/D’s “over the top.”

Have A Secure Holiday Season!

In this season of celebration, rejoicing and feasting and cheer, don’t aggravate robbers’ temptation by leaving your valuables here.

So lock up your purses and wallets, or come Christmas Day you will see your precious belongings a-sitting under somebody else’s tree!

—Lauren “Dusty” Jones
Allergic Diseases Section
NIH

FAES Sponsors Lecture Dec. 10

The Foundation for Advanced Education in the Sciences, will sponsor a lecture entitled Endogenous Lectins May Play Many Roles, on Thursday, Dec. 10, at 4 p.m., in Bldg. 10, 9th floor, Bunim Rm.

It will be presented by Dr. Samuel Barondes, FIC scholar and professor of psychiatry, University of California.

CPR Training Available

The CPR Training Office, Occupational Medical Service, will offer an ongoing program of CPR training and annual recertification. The course trains students to sustain a victim of respiratory distress or cardiac arrest.

Call 496-4111 for additional information.

NIH firemen extinguish the remnants of a fire that swept an Allied Storage van parked in front of the new ACRF on Saturday, Nov. 7. The tractor trailer was delivering surplus government equipment from Atlanta. The cause of the fire is still under investigation.
Internat'l. Visitors Center Moves, Changes Office Name

What was formerly known as the International Visitors Center of the Fogarty International Center has now become the Foreign Scientists Assistance Office. In addition to a new name, the office has moved to the Lister Hill Center, Bldg. 38A, Rm. B2N-13.

For 10 years, Wanda J. Pifer, chief, Foreign Scientists Assistance Office, and a small staff—currently consisting of eight—have provided advisory services to more than 3,500 visiting fellows, visiting associates, and visiting scientists, plus several hundred guest workers and other international scientists.

The FSAO administers the visiting program for all B/I/D's. Additional services include limited information on relocation (housing), furniture loans, planned outings and cultural activities, as well as tips about “where to do what” in the Bethesda area.

The FSAO also assists Fogarty scholars and other foreign scientists at NIH for an extended period to facilitate adjustment to a new environment.

For further information, call 496-6166 or 496-4335.

Two FIC Research Fellows Arrive To Work With NIADDK

Two international research fellows recently arrived at the Fogarty International Center.

Dr. Luigi Bartalena, an intern at the Institute of Medical Pathology II, Pisa, Italy, is beginning his research fellowship with the National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases. Dr. Bartalena, who is concentrating his research on thyroidology, is under the preceptorship of Dr. Jacob Robbins.

Dr. Jonathan Whittaker, a first assistant at the University department of clinical biochemistry and metabolic medicine, University of Newcastle, United Kingdom, will soon begin his fellowship with NIADDK under the preceptorship of Dr. Jesse Roth, where he will be concentrating on endocrinology.

Manic-Depressive Patients Exhibit Disturbed 48-Hour Sleep-Wake Cycles

In manic-depressive illness, during the switch from depression to mania, most of these patients experience 48-hour sleep-wake cycles, according to Dr. Thomas Wehr, a psychiatrist with the Clinical Psychobiology Branch, National Institute of Mental Health.

The change in sleep pattern, in which the patient gets one night of sleep in 48 hours rather than the normal two, occurred in 58 percent of the 67 manic-depressive patients studied by Dr. Wehr, Dr. Anna Wirz-Justice, Carolyn Craig, and Dr. Frederick Goodwin, branch chief.

From 1 to 10 consecutive 48-hour sleep-wake cycles were observed in the patients, the onset of the cycles coinciding with or immediately preceding the switch from depression to mania.

The insomnia occurred on alternating nights, with patients showing no subjective need to sleep in the face of strong environmental suggestions to do so, according to Dr. Wehr.

Antimanic Drugs Helped

Of the 67 patients, 15 had rapidly cycling bouts of depression and mania, experiencing as many as four to five switches per year. Switch-related insomnia in four of the patients was either totally or partially alleviated with antimanic drugs such as lithium and neuroleptics.

On nights of partial insomnia during the switch, however, sleep was still reduced by 50 percent, from the usual average of 6.4 hours of sleep to 3.1 hours.

Dr. Wehr also reported that four of five rapidly cycling patients were switched from depression to mania through sleep deprivation. "One night's total sleep deprivation simulates a 48-hour sleep-wake cycle," he said, "and provides clues about the possible consequences of the 48-hour cycles that occur spontaneously when patients switch.

"The results of experimental sleep deprivation," he continued, "indicate that the 48-hour sleep-wake cycles probably help to trigger switches into mania that have not yet occurred and probably exacerbate switches that have just begun to occur."

Since normal sleep-wake cycles are driven and regulated by a clock-like pacemaker located in the brain's anterior hypothalamus, Dr. Wehr speculates that the abnormal 48-hour activity-rest cycles in manic-depressive illness may reflect disturbances in the pacemaker.

Studies of sleep-wake cycles in normal humans who have been deprived of all external cues may help understand the mechanism functioning in the case of manic-depressive illness, Dr. Wehr said.

Experimental subjects living for extended periods in windowless, sound-proofed environments often eventually switch to 48-hour sleep-wake cycles, he added.

Under normal conditions, sleep-wake cycles and circadian rhythms, such as body temperatures, are closely synchronized with one another and with the day-night cycle. In isolation experiments, the sleep-wake cycle can slow down to nearly 48 hours as compared to the faster 24 hour circadian rhythm.

Major Differences Remain

Although there may be a relationship between the "free-running" sleep-wake cycles in normal humans deprived of external cues and the 48-hour cycles in manic-depressive patients, there are also major differences.

For example, the sleep phase in normal people may last from 10 to 16 hours, whereas manic-depressives typically sleep from 6 to 8 hours, Dr. Wehr said.

The researchers have found that two classes of antidepressants can precipitate switches from depression to mania, the tricyclics and monoamine oxidase inhibitors. The drugs can also slow the intrinsic rhythm of activity-rest cycles in animals isolated from external time cues.

"If slowing of the intrinsic rhythm of the sleep-wake cycle pacemaker is a possible cause of 48-hour sleep-wake cycles in patients who switch from depression to mania, then the drugs' effect in animals could be related to their mechanism of action in patients," the scientists concluded.

—Marilyn Sargent, NIMH

Every little yielding to anxiety is a step away from the natural heart of man—Japanese (Shinto) proverb
First MARC Undergraduate Conference Held

Dr. Kent Higgins, of the Section of Visual Processing, NEI, briefs a group of MARC students while on their tour of four NIH laboratories.

“This is really a dream come true,” said Dr. Geraldine Woods, special consultant to the National Institute of General Medical Sciences, during the first MARC Undergraduate Scholars Conference held recently at the Chevy Chase 4-H Center.

MARC (Minority Access to Research Careers)—an NIGMS program in which other NIH Institutes cooperate—has, since 1977, offered awards to minority colleges for training expenses, tuition and stipends to support selected honor students in their third and fourth years of college.

Graduate Education Discussed

Ninety MARC-supported college seniors came to Washington, D.C. for the conference. They brought with them poster presentations about research they are doing, and spent much of the 3-day conference meeting with graduate school and NIH representatives to discuss the next crucial step in the students’ careers: graduate education.

Advice was given on how to apply to graduate school, where to apply, what sort of financial aid is available, and what to expect from the graduate record exam. As part of the conference, participants attended scientific seminars and toured NIH laboratories. They also heard welcoming remarks by Dr. Thomas E. Malone, Acting NIH Director, and Elward Bynum, director of the MARC program.

Dr. Woods Given Plaque

Dr. DeWitt Stetten, NIH senior scientific advisor, addressed the scholars at lunch the second day, and Rep. Louis Stokes (D-Ohio) spoke at a banquet that evening. During the banquet a plaque was presented to Dr. Woods by Dr. Ruth Kirchstein, NIGMS Director, in recognition of the many contributions Dr. Woods has made to the MARC program.

Dr. Stetten, NIGMS Director when the MARC program was conceived in the early seventies, spoke of promising fields for continuing interest in and support of the MARC program.

New Literature Searches Available From NLM

The following new Literature Searches are available from the National Library of Medicine’s Reference Section:


These Literature Searches, part of a series of printed bibliographies on subjects of current interests, were produced through NLM’s computer-based system, MEDLINE. They are available without charge.

A complete list of available titles appears in each issue of Index Medicus and Abridged Index Medicus.

When requesting Literature Searches, please include title and number, enclose a self-addressed gummed label, and mail to: Literature Search Program, Reference Section, National Library of Medicine, Bethesda, Md. 20205.

Visiting Scientist Program Participants

Sponsored by Fogarty International Center

10/1—Dr. Michael Mackett, England, Laboratory of Biology of Viruses. Sponsor: Dr. Bernard Moss, NIAID, Bg. 5, Rm. 3601.
10/1—Dr. Maria Dorota Majewska, Poland, Laboratory of Preclinical Pharmacology. Sponsor: Dr. Erminio Costa, NIMH, WAW Bg., St. Elizabeths Hospital.
10/1—Dr. Toya Masuno, Japan, Surgical Neurology Branch. Sponsor: Dr. Maurice Gately, NINCDS, Bg. 10A, Rm. 3E68.
10/1—Dr. Judson McGowan, United States, Arthritis and Rheumatism Branch. Sponsor: Dr. John Decker, NIADDK, Bg. 10, Rm. 9N218.
10/1—Dr. Maria Miller, Poland, Laboratory of Molecular Biology. Sponsor: Dr. David R. Davies, NIADDK, Bg. 2, Rm. 316.
10/1—Dr. Agnes Renaud, France, Radiation Oncology Branch. Sponsor: Dr. Elizabeth Travis, NCI, Bg. 10, Rm. 3B338.
10/1—Dr. Alain Venet, France, Pulmonary Branch. Sponsor: Dr. Ronald Crystal, NHLBI, Bg. 10, Rm. 6D06.
10/2—Dr. Geoffrey Smith, England, Laboratory of Biology of Viruses. Sponsor: Dr. Bernard Moss, NIAID, Bg. 5, Rm. 318.
10/4—Dr. Nava Bashan, Israel, Neonatal and Pediatric Medicine Branch. Sponsor: Dr. Joseph Schullman, NICHD, Bg. 10, Rm. 13N28.
10/4—Dr. Alicia Pauler, United States Department of Rehabilitation Medicine. Sponsor: Dr. Lynn Gerber, CC Bg. 10, Rm. 13N258.
10/5—Dr. Jacques Lacroix, France, Pulmonary Branch. Sponsor: Dr. Ronald Crystal, NHLBI, Bg. 10, Rm. 6D06.
10/5—Dr. Kondury Prasad, India, Clinical Endocrinology Branch. Sponsor: Dr. Harold Edelhoch, NIADDK, Bg. 10, Rm. 9N310.
10/7—Dr. Tohru Ohyama, Japan, Developmental Pharmacology Branch. Sponsor: Dr. Daniel Neubert, NICHD, Bg. 10, Rm. 13N266.
10/9—Dr. Guido Vantini, Italy, Office of the Director. Sponsor: Dr. Thomas Chase, NINCDS, Bg. 36, Rm. 5A05.
10/13—Dr. Martine Diolul, Nigeria, Laboratory of Medicinal Chemistry and Biology. Sponsor: Dr. Theodore Gram, NCI, Bg. 37, Rm. 5B22.
10/13—Dr. Rani Kumar, India, Division of Blood and Blood Products Branch. Sponsor: Dr. Kamal K. Mittal, BB, Bg. 29, Rm. 122.
10/113—Dr. Kyung Hee Min, Korea, Laboratory of Clinical Investigation. Sponsor: Dr. K. J. Kwon-Chung, NIAID, Bg. 10, Rm. 11N104.
10/13—Dr. Shigeru Yasumoto, Japan, Laboratory of Cell Biology. Sponsor: Dr. Hayden Coon, NCI, Bg. 8, Rm. 105.
10/15—Dr. Nancy Kan, Taiwan, Laboratory of Molecular Oncology. Sponsor: Dr. James Lautenberger, NCI, Bg. 37, Rm. 1B10.
10/16—Dr. Jung Hee Seo, Korea, Division of Bacterial Products. Sponsor: Dr. Sotiros Changadas, BB, Bg. 29, Rm. 420.
10/18—Dr. Sara Ben-Or, Israel, Endocrinology and Reproduction Research Branch. Sponsor: Dr. Kevin Catt, NICHD, Bg. 10, Rm. 12N212.
10/18—Dr. Yoshikatsu Murooka, Japan, Laboratory of Molecular Genetics. Sponsor: Dr. Robert A. Lazzarini, NINCDS, Bg. 36, Rm. 3B04.
10/18—Dr. Annette Alfens, France, Clinical Endocrinology Branch. Sponsor: Dr. Harold Edelhoch, NIADDK, Bg. 10, Rm. 9N310.
10/22—Dr. Nili Feuerstein, Israel, Laboratory of Developmental Biology and Anomalies. Sponsor: Dr. Elliott Schiffmann, NIDR, Bg. 30, Rm. 410.
10/22—Dr. Wen Yu-mei, China, Laboratory of Infectious Diseases. Sponsor: Dr. Robert H. Purcell, NIAID, Bg. 7, Rm. 202.
Tissue Culture Test Yields Anticancer Drug Reaction

Laboratory-tested cancer cells taken from patients with brain tumors can predict their responses to anticancer drugs, according to a recent report by NIH researchers.

Drs. Paul L. Kornblith, Barry H. Smith and their associates from the National Institute of Neurological and Communicative Disorders and Stroke, and colleagues from Massachusetts General Hospital, have found a positive correlation between the effects of BCNU (a chemotherapeutic drug) on cultured cells taken from cancer patients and on the patients themselves.

Future Uses Considered

Test results indicate that physicians may use tissue cultures frequently in the future to determine the best chemotherapeutic drug for a brain tumor patient. Culture studies may also help scientists deepen their understanding of the growth of cancer cells, which may in turn open the door to new approaches in cancer therapy.

The researchers obtained giial (brain tumor) cells from 58 patients, treated the cells with different dilutions of BCNU, and then cultured them for 1 day. The next day, the investigators took a count of cells which BCNU had killed. The drug destroyed 72 percent of the cells (42 of 58 cultures were affected).

Next, the investigators compared the same data to the responses of 14 of the 58 patients given BCNU. The 14 patients were chosen because they had all been through a complete therapy program. The program included post-operative radiation therapy, two or more doses of BCNU or related compound, CCNU and two or more postoperative tumor scans at 3-month intervals to detect any changes in tumor size.

For the 14 patients, tumor cell cultures of nine responded to BCNU, while cultures of five did not. Researchers then correlated these data with data from patient therapy programs previously completed. The results indicated tumor size increased in all five patients whose tumors did not respond to BCNU in the in vitro (outside of the body) test.

Of those patients whose cultures did respond to BCNU, tumor size decreased in six over a span of a year and a half to 4 years. Tumor size increased in two of the other three patients and remained the same in one.

The correlation between laboratory and clinical responses to BCNU strongly suggests that the in vitro test can predict how patients will respond to chemotherapy. It can then be used to evaluate if, and what kind of chemotherapy doctors should prescribe for a patient.

The major advantage of the in vitro test is the unique ability to study each patient's tumor. Researchers now realize that different patients may have the same of tumor, but each person's tumor has different biologic properties which may cause it to react to chemotherapy in a unique manner.

In U.S. News & World Report, Dr. Robert N. Butler, NIA Director, talked about the progress of medical science in extending the human life span. The Aug. 24 article drew a large response; many wanted to know more about the “anti-aging” drug that was mentioned, dehydroepiandrosterone (DHEA).

So far, no drugs have been proven to slow down the aging process. (The only intervention repeatedly shown to alter the rate of aging, at least in laboratory animals, is dietary restriction.) Scientists suspect that drugs that alter hormone levels or manipulate the immune system may have some effect on the aging process, but much more basic research must be completed before this can be confirmed.

DHEA is a steroid produced in the adrenal gland and exists in high levels in the blood of humans, yet little is known about its biological function. Considering the large amounts produced and the fact that DHEA blood levels decline dramatically in older humans, the steroid seems likely to have an important physiological role.

Investigators became interested in DHEA after Dr. R.D. Bulbrook, a British endocrinologist, reported that women with low DHEA blood levels more often developed breast cancer than those with higher levels.

Inspired by the Bulbrook study, NIA grantee Dr. Arthur G. Schwartz of Temple University in Philadelphia examined the effect of DHEA on preventing cancer in rodents. He developed a synthetic analog to the steroid and fed it to the rodents along with their normal diet.

Dr. Schwartz reported in the March 1979 issue of Cancer Research that DHEA successfully reduced the incidence of tumors in mice that were bred to develop cancer and inhibited weight gain in mice bred for obesity. He also noted those strains of rodents fed DHEA appeared significantly younger—their coats were less coarse and gray—than control animals. Finally, the life span of rodents fed DHEA was considerably extended.

These results were similar to those of earlier investigations of rats fed calorically restricted diets. It is well documented that restricted rats weigh less and live longer than rats fed unlimited amounts of food. They also develop fewer tumors later in life than controls.

In addition, Dr. Roy Walford at the University of Southern California has reported that mice on restricted diets maintain levels of immune function for a longer period than controls.

In July 1980, the NIA held a workshop on dietary restriction and DHEA in order for a small group of investigators to present the results of their work and discuss these two related fields. The investigators concluded that research is in a preliminary stage and future studies are needed before any conclusions can be made.

Because the DHEA-extended life span reported by Dr. Schwartz may have resulted from removing the effects of disease, not from actually slowing the aging process, investigations are continuing with “normal,” long-lived mice. Even if “normal” rodents live longer with DHEA, however, the effects will still be similar to dietary restriction, and additional work must determine the differences between dietary restriction and DHEA in extending the lives of experimental animals.

Chamber Music Concert To Be Held on Dec. 6

The fourth concert of the 1981-82 Chamber Music Series, sponsored by the Foundation for Advanced Education in the Sciences, will be Sunday, Dec. 6, at 4 p.m., in Masur Auditorium.

It will feature Richard Stolzman, clarinet; Walter Trampler, viola; and Lee Luvisi, piano. Admission by ticket only.

Dr. Dushanka V. Kleinman, evaluation officer, NIDR, was installed as president of the American Association of Women Dentists at their 60th annual session in Kansas City, Mo.

Dr. Dushanka V. Kleinman, evaluation officer, NIDR, was installed as president of the American Association of Women Dentists at their 60th annual session in Kansas City, Mo.

NLM Director Dr. Martin M. Cummings, presented the annual Director's Award for 1981 to Frieda Weise, temporary assistant head of the reference section, citing her "for the outstanding manner in which she exemplified the Library's mission of improving the dissemination of biomedical information." Mrs. Weise was recognized particularly for her recent monograph, Health Statistics: A Guide to Information Sources, selected as one of the outstanding academic books of 1980-1981.

Exaggeration is to paint a snake and add legs.—Chinese Proverb

November 24, 1981
Dr. Patz is sharing the Jules Stein Award with Dr. Norman Ashton of the British Royal College of Surgeons. Dr. Ashton developed the first animal model of RLF. From his studies of kittens, he learned how oxygen damages the immature retina.

Dr. Patz's interest in how abnormal blood vessels in babies with RLF function appears to have implications resulted in studies of the early stages of diabetic retinopathy, a leading cause of blindness in the U.S.

Clinical studies later confirmed that blood vessels in the retina of premature infants—and even some full-term babies—are incompletely formed at birth. When exposed to high concentrations of oxygen for prolonged periods, these blood vessels often become constricted.

The more immature vessels become permanently closed and fail to develop properly. When the babies begin to breathe air with normal levels of oxygen, retinal vessels dilate and become twisted. New, abnormal blood vessels may grow from the retina into the vitreous, the clear gel that fills the center of the eye, often resulting in retinal detachment and blindness.

Dr. Patz's interest in the growth of abnormal retinal blood vessels associated with RLF prompted him to investigate other eye diseases in which this occurs. He was also the first to report retinopathy in diabetic animals.

Dr. Patz's study of diabetic retinopathy led to research on the use of argon lasers to arrest development of the abnormal vessels associated with diabetic retinopathy. He subsequently served as a principal investigator in the NEI-supported multicenter clinical trial of laser photocoagulation. Called the Diabetic Retinopathy Study, it showed that laser treatment could reduce the risk of blindness by 60 percent in persons who had advanced cases of the disorder.

The NEI now supports another nationwide trial to find out whether photocoagulation would be even greater if people were treated in earlier stages of the disease.

New Research Computer Installed at Lister Hill Center

The medical computer science research group of the Lister Hill Center's Health Professions Applications Branch recently received its new research computer. The Digital Equipment Corporation (DEC) System-20 is equipped with a KL processor, 1.25 million words of memory, five 176 megabyte disk drives, two tape drives, a line printer, and network interfaces. DEC System-20's are used by most major research and development projects in knowledge-based systems, medical computer science, and artificial intelligence and computational linguistics in medicine.

With this system, the National Library of Medicine will have for the first time the hardware and software to support research in the development of medical knowledge bases and ability to collaborate with other leading scientific and high level academic institutions in this effort.
Dr. Gillespie Dies; Was Antihypertensive Drug Researcher

Dr. Louis Gillespie, Jr., known for his research on the treatment of hypertension, died recently of lung cancer. He was formerly with the National Heart, Lung, and Blood Institute, and had been in private practice in the Washington area since leaving NIH in 1964.

While at NIH, Dr. Gillespie conducted the clinical trials of a new antihypertensive drug that proved to be effective, and has since been marketed as Aldomet (methyl-DOPA). It became one of the most frequently used drugs in the world for the treatment of hypertension.

He began working at NHBLI’s Laboratory of Experimental Therapeutics in 1957 as a clinical associate. He became a senior investigator in 1959, the position he held when he left the Institute.

In addition to his significant laboratory work, he also was active in fostering NIH and community programs to encourage student scientists to consider careers in medicine, and to bring science information to the community by participating in the hypertension clinic at the Washington Hospital Center. He continued his interest in drug evaluation, and the evaluation of diagnostic tests while at the clinic.

Born in New York City in 1929, he received both his B.S. degree in chemistry and his doctorate in medicine from Case Western Reserve University in Cleveland.

Present at the introduction of the new computerized medical record system, and credited with helping establish it are: (l to r-rear) Dr. William Wright, Dr. Lipsett, Dr. Douglas E. Gaasterland, Mr. King, Dr. Arnold W. Pratt, J. Emmett Ward, and Dr. Michael Roberts; (l to r-front) Jennifer Bayless, Judy Mahaffey, Nancy Ginsberg, Dr. Elmer J. Ballintine, and Mrs. Burich.

The 700 Clinical Center patient care physicians are now being aided through the recent installation of an automated reporting system that will provide each physician with a weekly report regarding the status of each of their incomplete medical records.

Each Friday, through the internal mail, a computer printout, addressed to each individual physician, will be dispatched by the Clinical Center Medical Record Department. This new system has been designed to improve communication and accurate medical record keeping, not to increase physician paperwork.

“The MRD and the Division of Computer Research and Technology have collaborated to produce a system which will inform our physicians when medical records need their attention. This should improve medical care in the hospital,” observed Dr. Mortimer B. Lipsett, CC Director, at this month’s installation of the new equipment in Rm. 1N-108.

The idea for a computerized incomplete record reporting system has been an objective of the MRD for many years and has been actively pursued since the Joint Committee on Accreditation of Hospitals visit 2 years ago.

The reviewing system of patient’s medical record remains virtually unchanged. When a medical record is received in the department, after inpatient discharge or outpatient visit, it is analyzed by a Medical Record Department institute reviewer.

Data taken during the analysis are transferred to an optical scanning sheet similar to those used as answer sheets on college board examinations. These data are then read into the computer and form the basis for the generation of each physician listing.

Getting paperwork done in a timely, accurate manner is not just a concern of the Clinical Center, “it is a problem encountered by all hospitals,” observes Jerry King, assistant chief, MRD.

However, with the new system physicians will have an ongoing updated report of their responsibilities and CC administration will have more accurate complete information for evaluation purposes.

The distribution of lists “follows the hierarchy of the building,” says Mr. King noting that Dr. Lipsett will receive a complete listing of all Institutes at the CC. In turn, each Institute clinical director will be sent a complete listing of all the physicians under his supervision. Attending physicians, in addition to getting a list of their own patients, will also receive a report on the clinical associates under their direction.

“Our objective is to produce a timely report, and to provide physicians with the information necessary for their completion of medical records,” says Gloria Burich, MRD chief.

Currently, three Institutes are involved in the system: NEI, NIDR and the CC itself. It is expected that over the next 2 months NIMH will become a user with the remaining Institutes to be phased in shortly thereafter.

Stonehouse International Workshop Will be Held in Dec.

A 2-day international workshop on Gangliosides as Receptors for Bacterial Toxins and Viruses and as Tumor Antigens, will be held at Stonehouse on Dec. 1-2. The meeting is being sponsored by Dr. Lars Svennerholm, a Fogarty scholar-in-residence. For further information and registration contact Nancy Shapiro, FIC conference coordinator, at 496-2517.

Alice M. Horowitz, public health educator with NIDR’s National Caries Program, was installed as chairperson of the Dental Health Section of the American Public Health Association at their annual meeting in Los Angeles.
DR. GREENWALD IS NEW NCI EDITOR, DIVISION HEAD

Dr. Peter Greenwald joined the National Cancer Institute this month as director of the Division of Resources, Centers, and Community Activities. He has also been named editor of the Journal of the National Cancer Institute.

A focal point for a coordinated national effort to control cancer, DRCCA includes the Prevention, Detection, and Diagnosis Program; Treatment and Continuing Care Rehabilitation Program; and Research Resources Program, all charged with the effective application of cancer research findings.

The division also develops a national system of cancer centers, educational research and training programs to increase clinical and research manpower, and laboratory and clinical research facilities. Dr. Greenwald believes in "building on the already existing strengths in the various cancer centers around the country." He is looking forward to launching the division's new chemoprevention program and to implementing educational programs for professionals on current developments in cancer prevention, diagnosis, and treatment.

In 1960, he began his medical career in Iran as the recipient of a 1-year Smith-Kline, and French fellowship. After completing an internship at the Los Angeles County General Hospital in 1962, he became an epidemiology service officer with the U.S. Public Health Service in Ohio.

In 1966, Dr. Greenwald became director of the Medical School of the University of Southern California, and in 1967, joined the Harvard School of Medical Oncology as a teaching fellow.

In 1968 he moved to Albany, N.Y., to conduct various epidemiologic studies as the director of the Cancer Control Bureau, New York State Department of Health. His particular interests included the epidemiology of leukemia, lymphoma, prostate cancer, and diethylstilbestrol-induced vaginal cancer.

For the past 4 years he has served as director of the epidemiology for the New York State Department of Health, and has coordinated most of the state's major disease prevention and control programs.

Dr. Greenwald received the distinguished service award from the New York State Department of Health, and the Redway medal and award for medical writing from the New York State Journal of Medicine. He is the author of over 60 medical articles.

A native of New York, he received a B.A. from Colgate University, N.Y. and an M.D. from the State University of New York at Syracuse. In 1967 and 1974 he earned a master's degree and doctorate in public health and epidemiology from Harvard University.

REPORT ISSUED ON ANNUAL U.S. CANCER RATES, 1973-77

A report on annual U.S. cancer rates, based on newly diagnosed cases of cancer and deaths in the U.S. has been issued by the Demographic Analysis Section, Biometry Branch, Field Studies and Statistics, Division of Cancer Cause and Prevention, NCI.

The data are from the Surveillance, Epidemiology, and End Results (SEER) Program, in which information on cancer is collected yearly for five states, five metropolitan areas, and Puerto Rico.

The report, Incidence and Mortality Data: 1973-1977 covers data collected during the program's first 5 years, including the most recent years for which comprehensive data are available. SEER is a major source of data on the occurrence (incidence) of cancer in the U.S. National estimates of the current number of cases diagnosed annually are based largely on these data.

It presents the first detailed data available on the occurrence of cancer among certain groups of American Indians, Hispanics, Hawaiians, Filipinos, Chinese, and Japanese, in addition to information on blacks and whites.

Single copies of the report are available from the Office of Cancer Communications, NCI, Bethesda, Md. 20205.

NEW PAMPHLET DESCRIBES TYPES OF EPILEPTIC SEIZURES

Epilepsy: Hope Through Research, the latest in a series of NINCDS pamphlets devoted to neurological and communicable disorders, is now available.

The 28-page booklet describes the symptoms, diagnosis, and causes of different types of epileptic seizures, and reports on the various treatments now in use.

The publication also explores the research approaches being used to understand and combat the disorder, and offers advice to patients, family members, and those who may find themselves in a position to give first aid during a seizure.

Also listed are several voluntary health organizations especially concerned about epilepsy, and the location of human tissue banks which support epilepsy research.

Single copies can be obtained from the Office of Scientific and Health Reports, NINCDS, Bldg. 31, Rm. 8A06, Bethesda, Md. 20205: telephone 496-3751.

Dr. Allen Retires: Leader in Early Grants Mechanism

Dr. Ernest Allen, NLM associate director for extramural programs, has retired from Federal service.

Respected throughout the biomedical community for his experience, dedication, and administrative ability, Dr. Allen was honored at the NLM board of regents dinner Oct. 29.

In his remarks honoring the distinguished retiree, NLM Director Dr. Martin M. Cummings, said: "First, it is a fact that the mechanism for peer-reviewed research grants developed shortly after World War II by the Department and the National Institutes of Health is widely admired and held up as a model of Federal enterprise. Second, it is the universal opinion of those who know about these matters that Ernest Allen, more than any other individual, is responsible for its development and its success."

Dr. Allen played a major role in the creation of the Nation's biomedical peer-reviewed research grant program and for charting its long-range development and growth. For this effort he received the 1953 Lasker Award of the American Public Health Association.

Before coming to NLM in 1973, Dr. Allen had served the Department for more than three decades in the areas of grants administration policy and public health administration. As assistant chief and then chief of the NIH Division of Research Grants (1946-60), he was responsible for inaugurating the biomedical research grant program.

He continued his work in the PHS as Associate Director of NIH (1960 to 1963) and as director of the PHS Office of Extramural Programs (1966 to 1969). He was deputy assistant secretary for grant administration policy in the Office of the Assistant Secretary, Comptroller, DHEW, from 1970 to 1973.

Arthur Broering has been appointed acting NLM associate director for extramural programs.

Give me the benefits of your convictions, if you have any, but keep your doubts to yourself, for I have enough of my own.—Goethe
Critical Care Medicine Becoming New Medical Subspecialty

By Marian Segal

On a Sunday afternoon several weeks ago a young man participating in an NIH study on Hodgkin's disease entered the Clinical Center seriously ill with pneumonia. Despite treatment, his condition steadily worsened during the course of the day. He became short of breath, his blood pressure dropped precipitously, and within a few hours' time he was barely conscious.

That evening he was transferred to the intensive care unit on 100 where he was immediately put on a ventilator to assist his breathing, given fluids intravenously, and administered medication to raise his blood pressure.

With constant surveillance and intensive treatment, his condition improved dramatically over the next few hours, and by Monday morning he was awake and alert.

By Tuesday he was able to breathe without mechanical assistance, and 2 weeks later he was well enough for discharge.

Since the CC's ICU opened in April 1979, patients with a wide variety of underlying clinical problems have been admitted for management of a severe problem they all share—major organ system failure requiring critical care support.

In recent years, care of the critically ill has evolved into an important new medical subspecialty.

"The field has emerged with the changing role of hospitals," explains Dr. Joseph Parrillo, chief of the Critical Care Medicine Department. "As more and more mild to moderately ill patients are being well cared for outside the hospital environment, hospitals are evolving into centers for the most severely ill, and, in response to this trend, medical centers worldwide are establishing departments of critical care medicine."

The Clinical Center instituted the CCMD with a threefold mission: to manage intensely ill patients in the intensive care unit and provide critical care consultations throughout the hospital; to educate physicians and staff on optimal management of these patients; and to conduct research in the field.

The department operates the ICU, which serves as the medical intensive care unit for the hospital and also provides surgical intensive care for postoperative patients referred from the heart and cancer surgical services. Because some postsurgery patients have multi-organ system dysfunction, they may be transferred to this unit for special care. In addition, patients in clinical protocols requiring hemodynamic monitoring or involving potential life-threatening risks are cared for in the ICU.

Intensive care requires special equipment and special personnel. Professional and support staff receive training in the complex problems and needs of critically ill patients to give them the best chance for survival. The ICU is staffed by a cardiologist, pulmonary physician, and an anesthesiologist specially trained in critical care medicine.

Because the nature of critical illness involves several major organ systems, the staff receives support from Institute physicians specializing in infectious disease, kidney disorders, and gastrointestinal malfunction.

"The ICU environment and patient population demand a specially trained support staff as well," says Dr. Parrillo. "Nurses must be able to manage unconscious patients and patients on respirators, perform cardiac resuscitation, and respond quickly to sudden changes in patient status."

Technicians in the unit also perform more diverse functions than those in most other hospital areas. They operate and monitor highly sophisticated computer equipment and must learn to run a number of diagnostic tests normally done by several technicians versed in separate procedures.

Critically ill patients require constant minute-to-minute assessment of clinical, hemodynamic, and laboratory data. To aid in this evaluation, the ICU is equipped with sophisticated computer systems that collect, sort, store, and analyze vast quantities of patient data.

Measurements of arterial pressures, cardiac output, pulmonary artery pressure, blood gases, and other vital functions are provided immediately and continuously, permitting constant assessment of each patient's status. This capability is essential in caring for very sick people whose condition can change drastically within moments, especially in response to drug administration or other therapeutic manipulation. The physician also uses the stored information to evaluate treatment and guide the course of therapy.

Most ICU patients are on a respirator or other sophisticated life support systems, and moving them out of the unit for diagnostic studies could jeopardize their care or even threaten life. To minimize this danger, Dr. Parrillo is setting up facilities for heart catheterizations, echocardiography, and radionuclide studies of heart function and coronary artery blood flow to be done in the unit itself.

Patients undergo only those tests that will provide specific information needed to guide therapy at minimum risk to the patient. The diagnostic equipment and computer capabilities enable physicians to evaluate changes in cardiovascular size, shape, and function in acute illness, discover specific areas of malfunction, and develop rational modes of therapy.

Because critical care medicine is a new discipline, most research thus far has centered on developing and refining life support technology.

The Clinical Center's CCMD plans to concentrate on studies of the basic biochemical and immunological factors underlying critical illness—a relatively unexplored area in medicine.

Frederick Has Airport Limo Service

For those NIH employees living in Frederick County, a transportation service is available on a 24-hour basis to and from the three Washington-Baltimore airports. For further information and rates, call (301) 694-6404. □

In all things, success depends upon previous preparation, and without such preparation there is sure to be failure.—Confucius.
Physician-runner Dr. Ron Crystal offered a scientific and practical overview of the benefits and risks of distance running to an October Medicine for the Layman audience.

As a researcher and athlete, Dr. Crystal concluded that jogging or running—now a common means of keeping fit and one at which almost anyone can participate—is more likely to be beneficial than harmful for those who follow some practical guidelines.

Dr. Crystal, chief of the Pulmonary Branch, National Heart, Lung, and Blood Institute, began his lecture with an outline of what major physiological functions are involved in exercise. Primary among these are the roles of the lungs, heart, and blood in delivery of oxygen to muscles.

"The heart," said Dr. Crystal, "is the limiting feature. The lungs do an excellent job of delivering oxygen to the blood."

Muscle cells use oxygen to metabolize fuels such as glucose and store the energy released in the molecule adenosine triphosphate. ATP is the direct source of energy that muscles use to contract. As glucose is metabolized and ATP is formed, carbon dioxide and heat are released and disposed of or dissipated by the body.

The body can metabolize fuels without oxygen, but the process—an anaerobic metabolism—is much less efficient than with oxygen—aerobic metabolism.

Anaerobic metabolism also produces the side-product lactic acid, which causes aching and damage in muscles. Someone her body can deliver enough oxygen to the muscles, is said "is to run at the anaerobic threshold."

A runner who uses oxygen faster than the body can supply it to muscles, is said to have passed the anaerobic threshold, and will not be able to continue for very long at that pace. "One of the key things that world class marathoners do," he said, "is to run at the anaerobic threshold."

The major long-term effect of distance training, according to Dr. Crystal, is to shift the anaerobic threshold so that the person can exercise more strenuously (run faster) without making the transition from aerobic to anaerobic metabolism. This effect is coupled with a variety of changes in the heart, blood, vascular system, and muscle.

One interesting change is that conditioned runners have higher plasma levels of beta endorphins, substances found in the central nervous system, which have opium-like properties. Some believe this to be related to the "runner's high" described by individuals trained to run distances and to the apparent addiction of many runners to the daily routine of running.

Definite benefits of running, according to Dr. Crystal, include weight control through increased expenditure of energy, increased ability to perform physical work, the changes in lifestyle—such as diet—that accompany running, and psychological benefits, in particular, improved self image. Not as certain is the lowering of heart attack risk which some running advocates claim.

Serious risks of running include sudden death from heart attack, overheating, injury to limbs from overuse, dehydration and electrolyte imbalances which can cause kidney failure, and the risk of depression if injury prevents an athlete from running.

These risks, and less serious ones such as blisters and athlete's foot, can be prevented by paying attention to diet, proper dress, adequate training, and precautions such as taking in fluids in the course of a long run.

Runners should seek the advice of doctors who are familiar with running. These physicians are less likely to misinterpret apparently abnormal diagnostic tests in runners as illness. "The electrocardiogram of a well-trained runner," said Dr. Crystal, "looks terrible."

If physicians' participation in running lends any credibility to the notion that the sport's health benefits outweigh the risks, the fact that 10-percent of the running field for the Boston marathon are physicians should be a point in the sport's favor, he said.

As a runner who averages between 60 and 70 miles a week and this year completed his fifth Boston marathon, Dr. Crystal is one member of this group of physicians who follow their own advice.

Hypertensive Volunteers May Receive Free Extractions

If you are less than 40 years old, have high blood pressure, and need to have your wisdom or other teeth extracted, you may have it done at no charge while serving as a volunteer patient for an ongoing study at NIH.

The National Heart, Lung, and Blood Institute and the National Institute of Dental Research are conducting a study of cardiovascular, hormonal, and psychological responses to tooth extractions in patients with hypertension.

Call Dr. David Goldstein at 496-4042 or 496-3175, or Dr. Ray Dionne at 496-4371 or 496-5237 for further information.

Dr. Adamson Named NCI Division Director

Dr. Richard H. Adamson has been named director of the Division of Cancer Cause and Prevention, NCI. He has been acting director of the division since September 1980.

The DCCP plans and directs a national program of laboratory, field, and demographic research on the cause and natural history of cancer and the means of preventing it. This program includes evaluation of environmental carcinogenic hazards and synthesis of epidemiological, clinical, and experimental data. The current budget for DCCP is $214 million.

Dr. Adamson received a PHS Superior Service Award in 1976 for his pioneering investigations in the use of nonhuman primates for pharmacological and toxicological studies of antitumor drugs and other xenobiotics. He received a Fulbright Award in 1965.

The author of more than 180 scientific papers, Dr. Adamson currently has editorial appointments on the scientific journals, Xenobiotica and Cancer Research, and is a member of numerous scientific societies.

Active on various NCI committees, he has also served on the committee on medical biological effects of pollutants, National Academy of Sciences. Later, he spent a year as a senior policy analyst at the White House Office of Science and Technology from 1979 to 1980.

Dr. Adamson received his bachelor's degree in chemistry from Drake University, and his M.A. and Ph.D degrees in pharmacology from the State University of Iowa. He has subsequently received a M.A. degree in international law and international affairs from George Washington University.

JAMA 'From The NIH' Contains 144 Reports in Last 5 Years

Over 140 clinical research articles prepared by NIH components have been published in the "From The NIH" report to the Journal of the American Medical Association during the past 5 years, according to a table of contents summary compiled by the Division of Public Information, OD.

Articles were selected as representing NIH-supported clinical research findings of potential value to the practitioner, and appeared in JAMA from August 1976 to October 1981.

The JAMA "From The NIH" table of contents list all topics, publication dates, and originating B/I/D's, and is available from Maureen Mylander, 496-1766.
The bluebird, commemorated in song and poetry as the symbol of love, hope, and happiness, has fallen on hard times. Formerly one of the most common birds in the U.S., the number of bluebirds has been reduced by an estimated 90 percent in the last 40 years.

The wooden fence post that served as its nesting sites have been replaced by metal posts, and its primary diet of insects has been drastically reduced in many places by pesticides. Worst of all, starlings and English sparrows, introduced from England by well-meaning nature lovers last century, have all but run the native bluebird out of its few remaining nest holes.

The decline toward extinction may be nearing an end since concern has sparked action nationwide. One unique example of this action is going on in Research Triangle Park, N.C., where the limited clearing of some pine forest areas has created the fields bluebirds need for feeding and nesting.

At the National Institute of Environmental Health Sciences, the key person in the bluebird house project is Grant MacNichols, a biologist in the Laboratory of Biophysics. A student of birds since childhood, and a published nature photographer, he was first alerted to the possibilities of NIEHS as a bluebird sanctuary in 1973. He recalls, “One of the laboratory buildings was under construction, with a cement mixer out in front, and cars parked beside it. A pair of bluebirds nested under the eaves of that building, and I decided to make a house available to them.”

Mr. MacNichols now has 19 houses in the various parts of the campus. He charts their locations on a special map, with 10 of the houses circled in red showing they are occupied by nesting bluebirds this year. Most of the houses were purchased at his own expense, with several other employees chipping in.

Mr. MacNichols puts up a bluebird house designed to discourage starlings and sparrows. The 1½-inch entrance hole proves too tight a squeeze for starlings, and the houses are only 3 to 6 feet above the ground, whereas sparrows like a higher nest.

The coloring of these 7-inch birds is dazzling. The male has a blue back, red-orange breast, and white tufts by his legs. The female is more toned down with a hint of brown.

Excited about the bluebird population at Research Triangle Park, Mr. MacNichols comments, “It might sound corny, but we have the potential for creating the bluebird capital of the world here. The percent of acreage that can be built up is limited by park policy.

“We want to eliminate hazardous components, and by encouraging the bluebirds, we can add a beneficial component. They contribute to our quality of life, both visually and with their song.”

Steve Williams, NLM Employee, Dies of Heart Attack

Steve Williams, 29, an office machine operator in the Administrative Services Section of the National Library of Medicine, died as a result of a heart attack following complications while being treated for sickle cell anemia and Hodgkin’s disease, at Georgetown University Hospital on Oct. 24.

Mr. Williams, an NIH employee for the past 11 years, began working at NIH in the Housekeeping Section after graduating from Roosevelt High in Washington, D.C., in 1970. He transferred to NLM in 1975. He is survived by his parents, three brothers, and three sisters. Mr. Williams’ interment was at the Lincoln Memorial Cemetery. Expressions of sympathy collected from NLM employees were forwarded to the family.

Dr. Whitehair Receives Preventive Medicine Award

Dr. Leo A. Whitehair, director of the Primate Research Centers Program, DRR, received the 1981 Helwig-Jennings Award at a recent meeting of the American College of Veterinary Preventive Medicine in St. Louis.

Dr. Whitehair (l) receives the Helwig-Jennings award from Col. Edward L. Menning, chairman of the AVPVM awards committee. He is the third recipient so honored for outstanding contributions to the field.

The AVPVM is a national organization of approximately 400 D.V.M.’s who are board certified in the field of veterinary public health and preventive medicine. The award was initiated in 1980 to recognize members for “significant and lasting contributions to the totality of preventive medicine.”

Currently serving as a member of the board of councilors and chairman of the budget committee, Dr. Whitehair was secretary-treasurer of the organization from 1975-1979.

Mrs. Echelman Named NLM Regent Member

Shirley Echelman, executive director of the Association of Research Libraries, has been recently appointed to a 4-year term as a National Library of Medicine regent. The NLM Board of Regents meets three times a year to oversee Library policy and to review application for grants.

Mrs. Echelman is a graduate of Rutgers University, and has been assistant vice-president and chief librarian of New York City’s Chemical Bank (1968-1978), and executive director of the Medical Library Association (1979-1981). She is also a past president of the Special Libraries Association.

Think Snow!

The R&W Ski Club has planned several events for the winter season: Greek Peak, Dec. 31-Jan. 3; Elk Mountain, Jan. 22-24; Mont Tremblant, Feb. 28-Mar. 6; Vail, Jan. 2-19; Sun Valley, Feb. 27-Mar. 6; Jackson Hole, Feb. 27-Mar. 6; Wintergreen, Jan. 28, Feb. 11, 25 (day trips only); Innsbruck, Feb. 20-28; and Ski Liberty, Jan 13-Feb. 10 (day trips only).

Contact R&W for details, 496-4600.
Power Switch From NIH Aids Metro Stations

Last week the first of two Metro-related projects designed to switch extra capacity electricity from NIH to the two nearby underground stations began, and will save the rail system an estimated $1.2 million. The savings is a result of an unusual planning strategy developed by the Washington Metropolitan Area Transportation Authority, the Potomac Electric and Power Company and NIH. As a result of the cooperative agreement all parties will benefit, says Dr. Edwin D. Becker, Associate Director for Research Services, OD. In no way will it affect NIH’s normal or emergency power supply.

The plan calls for the relocation of the main power source for Bldg. 11 (NIH's Power Plant) from Bldg. 17 (the east power substation) to Bldg. 46 (the west power substation). This load transfer of 5,000 KW of electric power will be released from Bldg. 17 for the Pooks Hill Metro Station. Another part of the plan includes the construction of an underground conduit line to be dug along the south and east boundaries of NIH so that electric service to Metro's NIH/Naval Medical Center traction power station can be provided.

"There should be no disruption to NIH employees or their work," noted Dr. Becker, "although sections of the road along Service Road South might be narrowed for a time."

When the projects are completed they will be an integral part of the system that provides full electrical capacity along Metro's Rockville route. Experts predict that power will be switched on for the line by September 1982, and that the line will be fully operational by November 1983.

Tentatively, the plan also proposes that 4,000 feet of conduit be dug and constructed inside the fence south and east of NIH.

Along with this work, there will be a rearrangement of the power supply to Bldg. 11, and the installation of conduits in part of the route between Bldg. 11 and Bldg. 46 for future use by NIH.

Part of the 5,000 KW electric load transfer plan includes the installation of three new circuit breakers in Bldg. 46. They will be used to facilitate the enormous demands for electricity that Metro trains need to travel from station to station.

Pepco construction engineers say the conduit work around Bldg. 11 now under way will be completed within 2 months, weather permitting. Delivery of the new 13.2 kv switchgear is expected by next June and would be installed over the summer.

They also predict, winter weather permitting, that conduit construction along the south and east sides of NIH will get under way by February, and will take 3 months to complete.

Second Neuronal Specificity Discussion To Be Held Nov. 24

The second seminar of the Fogarty International Center scholars discussion series on Neuronal Specificity will be held Tuesday, Nov. 24, at 7:30 p.m., Bldg. 16 (Stone House). The subject for the evening will be Transmitter Peptides and Their Receptors. Dr. Tomas Hokfelt, FIC scholar, will introduce three researchers from the National Institute of Mental Health. Dr. Michael Brownstein, Laboratory of Clinical Science, will speak on Mechanisms for Synthesis and Inactivation of Peptides.

Dr. John Tallman and Dr. Lana Skirboll, both of the Biological Psychiatry Branch, will address the topics Molecular Mechanisms of Brain Receptors, and Electrophysiology of Coexisting Transmitters: Dopamine and CCK Specificity of Action, respectively. For further information on these lectures, call Dr. Hokfelt, 496-1739.

The third seminar in the Neuronal Specificity series is scheduled for Thursday, Dec. 10, at 7:30 p.m., Bldg. 16. The subject will be Identifying Cell Recognition Molecules.

Speakers will include Dr. Lars Svennerholm, FIC scholar, whose topic will be Acquisition of Gangliosides in the Brain During Development; and Dr. Kari Pfenninger, Columbia University College of Physicians and Surgeons, who will talk on Membrane Components of the Growth Cone in Neuritic Guidance and Recognition.

Additional information can be obtained by calling Dr. Svennerholm, 496-2590.

LNFRA Offers Discount Coupons

The League of Federal Recreation Associations offers a discount book worth over $150 in coupons, available to government employees and their families. To obtain a copy, contact the R&W gift shops or the Activities Desk in Bldg. 31, Rm. 1A-18.

Charles Goldstein, chief of Lister Hill Center's Computer Technology Branch, NLM, received the 1981 NLM Regents Award for Scholarship or Technical Achievement from board of regents chairman Martha Williams. Mr. Goldstein was honored on Oct. 29 for his work in the development of the Integrated Library System.

LFRA Offers Discount Coupons

The League of Federal Recreation Associations offers a discount book worth over $150 in coupons, available to government employees and their families. To obtain a copy, contact the R&W gift shops or the Activities Desk in Bldg. 31, Rm. 1A-18.

Dr. Stonehill was appointed an assistant director of the National Cancer Institute. He will serve as executive secretary of the President’s Cancer Panel, NCI coordinator of radiation research activities, and director of NCI consensus development activities.

He returns to NCI after brief service with the NIH Division of Research Grants. Dr. Stonehill joined NCI in 1975 as a science analyst and research planning officer in the Office of Program Planning and Analysis, which analyzes the scientific contents of all institute-funded contracts and grants.

He also served on the Interagency Radiation Research Committee, and was a member of the emergency group that investigated radiation data related to the locale of the Three Mile Island nuclear power plant.

Dr. Stonehill has served as executive secretary of a subcommittee of the Interagency Radiation Research Committee, representing 15 government agencies. He helped create a strategy document now under review by HHS and the Congress.

Dr. Stonehill has conducted biomedical research at the Memorial Sloan-Kettering Institute for Cancer Research in New York, at the Gustave-Roussy Institute in Villejuif, France, and at the University of Sussex in Brighton, England. He also has taught microbiology as assistant professor at Cornell University Medical College.

He received a bachelor’s degree from the College of the City of New York in 1950 and a master’s degree from Brooklyn College in 1956. He received a Ph.D. in microbiology and genetics in 1965 from Cornell University's Graduate School of Medical Sciences.

Charles Goldstein, chief of Lister Hill Center's Computer Technology Branch, NLM, received the 1981 NLM Regents Award for Scholarship or Technical Achievement from board of regents chairman Martha Williams. Mr. Goldstein was honored on Oct. 29 for his work in the development of the Integrated Library System.

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