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the



Record

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

June 23, 1970
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NATIONAL INSTITUTES OF HEALTH

Dr. Viron L. Diefenbach, DDH Director, to Retire

Dr. Viron L. Diefenbach, who has served since 1966 as Assistant Surgeon General in the Public Health Service and Director of the Division of Dental Health, BEMT, will retire June 30.

On July 1 he will assume a new post as assistant executive director for dental health in the American Dental Association.

Dr. Diefenbach, a 1949 *magna cum laude* graduate of the University of Maryland Dental School, began his career with PHS as a dental intern at the PHS hospital in Norfolk, Va.

He earned a Master of Public Health degree in 1954 at the University of Pittsburgh.

Dr. Diefenbach has served in a number of clinical and public

Learning Disabilities of Many 'Normal' Children Described in Monograph

A monograph stressing the research that is being done in central processing dysfunctions was published by NINDS in collaboration with the National Society for Crippled Children and Adults, Inc., a voluntary health agency.

Normal children with trouble assimilating information may be suffering from any of a number of conditions involving central processing dysfunctions.

They are not mentally retarded, brain damaged, emotionally disturbed, deaf or blind. However, little is known about effective diagnosis and treatment of such dysfunction.

Because of this there is small chance that the youngsters will enter educational programs that are appropriate for their needs.

The monograph—the third in a three-part project—summarizes the diversity of knowledge on the sub-

(See MONOGRAPH, Page 7)

'Artificial Gut' for Intravenous Feeding Helps Patients After Abdominal Surgery

An "artificial gut" system has been devised that can provide temporary or continuous intravenous feeding for people whose intestinal tracts are incapable of absorbing solid foods.

Experiments show that the device will be most useful in patients with little intestine remaining after abdominal surgery, and in those with severe intestinal disorders.

Dr. Belding Scribner, University of Washington, headed the team of scientists that developed the unique system. Their work was supported by the National Institute of Arthritis and Metabolic Diseases.

Prior to this discovery problems of effective long-term access to appropriate blood vessels had negated attempts to provide prolonged intravenous feeding.

Dr. Scribner is a pioneer in the field of artificial kidney research. He had introduced the use of permanently implanted, connected plastic tubes in an artery and vein of the forearm of patients with impaired or lost kidney function.

This permitted them to be connected repeatedly to artificial kidney machines without resorting to



Elliot L. Richardson was confirmed by the Senate as HEW Secretary on Monday, June 15. Prior to this appointment he was Under Secretary of State. During President Eisenhower's administration Mr. Richardson served as an HEW Assistant Secretary, and, briefly, as Acting Secretary. He is a native of Massachusetts and a former Lieutenant Governor of that state.

Dr. Khorana, Famed NCI Grantee, and Colleagues Create Synthetic Gene

The first complete synthesis of a gene has been reported by NCI grantee Dr. H. Gobind Khorana and colleagues at the University of Wisconsin.

The 77-nucleotide gene was synthesized by a University team using the research findings on nucleic acid metabolism for which Dr. Khorana shared a Nobel prize in 1968 with Dr. Marshall W. Nirenberg, of the National Heart and Lung Institute, and Dr. Robert W. Holley, Salk Institute.

With information from Dr. Holley on the exact structure of alanine transfer RNA from yeast, Dr. Khorana and his group have created the first synthetic gene.

Dr. Holley is also a National Cancer Institute grantee.

Following Dr. Nirenberg's elucidation of the uracil triplet (UUU) as the code for the amino acid phenylalanine, Dr. Khorana and a colleague, Dr. T. Mathai Jacob, worked out a method of building whole synthetic nucleotide chains step by step, with the nucleotide

(See SYNTHETIC GENE, Page 8)

New Movie Dramatizing Impact of NIH Programs Previewed for Employees

A young boy's fight for life dramatizes the NIH story in a film, "To Seek, To Teach, To Heal," which will be previewed for employees in the Jack Masur Auditorium, Clinical Center, next Tuesday, June 30.

The 28-minute, color motion picture may be seen at 11:30 a.m., 12:15, and 1 p.m.

The film reveals how NIH research, education, and training programs—through great medical centers, medical schools, and other institutions—make better medical care possible.

It also stresses how these programs touch the lives of people throughout the country.

The movie was filmed at NIH, in Chicago, Los Angeles, and Minneapolis. It was produced for the NIH Office of Information by Charles Guggenheim Productions, Inc. of Washington.



Dr. Diefenbach, who was awarded a PHS Meritorious Service Medal, is a Diplomat of the American Board of Dental Public Health, and a Fellow of the American Public Health Association.

health positions. In 1966 he was awarded the PHS Meritorious Service Medal.

He is a diplomate of the American Board of Dental Public Health and a member of the Dental Health Council of the American Public Health Association.

In that organization he served as dental vice-chairman in 1965 and chairman in 1966.

He is a member of the Execu-

(See DR. DIEFENBACH, Page 6)

surgical procedures prior to each treatment period.

The new artificial gut employs this so-called "arteriovenous shunt" to introduce specially devised liq-

(Continued on Page 7)

35 Employees to Receive DHEW Awards on June 29

Thirty-five employees will receive Departmental awards from Dr. Robert Q. Marston, NIH Director, next Monday, June 29, at 2 p.m., in the Jack Masur Auditorium, CC.

The awards at the Second NIH Annual Honor Awards Ceremony are: the DHEW Superior Service Award, the DHEW Meritorious Service Medal, and the DHEW 40-year Length-of-Service Award.

Employees are invited.

the NIH Record

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NIH Toastmasters Elect New Officers at Luncheon Meeting

An election of officers was held at a recent meeting of the NIH Toastmasters. The new officers are Harold Simpson, president; John Smith, educational vice-president; William Clair, administrative vice-president, and Paul Panneton, secretary.

Also, Reuben Bogdanoff, treasurer, and Richard Dorman, sergeant-at-arms. Past president of the organization was Dr. Lloyd Herman.

Weekly luncheon meetings of the NIH Toastmasters take place on Thursdays from 12 noon to 1 p.m. in the private dining room of the cafeteria in the Clinical Center, Bldg. 10. Prospective members are invited to attend.



R&W President Benjamin Fulton, NICHD (left), congratulates Lawrence Showkeir, NIAMD, who won a portable TV at the Association's annual meeting on June 10. Mr. Showkeir was one of seven R&W members who won door prizes.

Marine Band Gives Concert For CC Patients June 25

The United States Marine Band will present a concert for the Clinical Center patients Thursday, June 25, at 7:30 p.m. on the patio east of the Jack Masur Auditorium.

In case of rain, the concert will be held in the auditorium. NIH employees, their families and friends are invited.

Ten Candidates Selected For Computer Training Under NIH Merit Plan

Ten candidates have been selected for the Computer Operator's Training Course offered by the Division of Computer Research and Technology under HEW's New Careers Program.

The course was designed for NIH employees at the GS 3, 4, or 5 level, who have little opportunity for advancement. Now they will learn a new skill in an area where there is a need for trained people.

Students were chosen from more than 100 applicants. They were picked on a competitive basis under the NIH Merit Promotion Plan, and will begin their year's course of study on August 10.

They are: Melvin C. Wiggins, CC; Douglas F. Cureton, animal caretaker, DRS; William Brown, Jr., warehouseman, ADA; Jerry W. Hoffman, clerk-typist, ADA, and James Goodman, clerk, BEMT.

Also, Jessie Wade, Jr., mail clerk, DBS; Jerry E. VanSant, laboratory worker, DRS; Clarence Magwood, guard, ADA; Melvin W. Bell, warehouseman, ADA, and Claudius Williams, file clerk, DCRT.

Regina C. Hunter Retires, First Nurse Assigned to Post at CC Admissions



Miss Hunter (l) has her orchid pinned on her uniform by Ruth G. Metka, chief, CC Admissions and Followup Nursing Service. On the day of her farewell party she worked until the last minute, and had no time to change into party clothes.

Regina C. Hunter, one of the first nurses to join the Clinical Center nursing staff and the first to be assigned to the CC Admissions and Followup Nursing Service, retired at the end of May. She had completed over 22 years of Federal service.

Miss Hunter began her nursing career with the Federal Employees Health Services Agency. She joined the NIH Employee Health Service in 1951.

When the Clinical Center opened in 1953, Miss Hunter was assigned to the Nursing Service where she remained until her retirement.

At her recent farewell tea about 150 physicians, nurses, and friends paid her tribute. Miss Hunter received an orchid and a leather attache case.

And probably for the first time in her nursing career regulations were ignored—the orchid was pinned to her uniform. She had been on duty until the party started and there was no time to change.

Fred E. White and Son Killed in Auto Accident

Fred E. White, Sr., 46, Division of Biologics Standards, and his 13-year-old son, Matthew, were killed in an automobile accident June 5. His wife, Florence, was injured.

Mr. White joined the Cell Biology Section, Laboratory of Virology and Rickettsiology, in April 1969. He had been a research technician at Fort Detrick for 20 years, and was a veteran of World War II.

He is survived by his wife; a daughter, Mrs. Edwina Westbrook of Rockville; two sons, 1st Lt. Fred E. White, Jr., stationed in Korea, and Seaman Kevin Mitchell White, stationed in San Diego.

NIH Television, Radio Program Schedule

Television

NIH REPORTS

WRC, Channel 4
1 a.m. Wednesday—following the Johnny Carson Show.

June 24

Dr. Carl Kupfer, Director, National Eye Institute
Subject: Retinal Diseases

July 1

Dr. Carl Kupfer, Director, National Eye Institute
Subject: Glaucoma

Radio

DISCUSSION: NIH

WGMS, AM-570—FM Stereo
103.5—Friday evenings—
About 9:15 p.m.

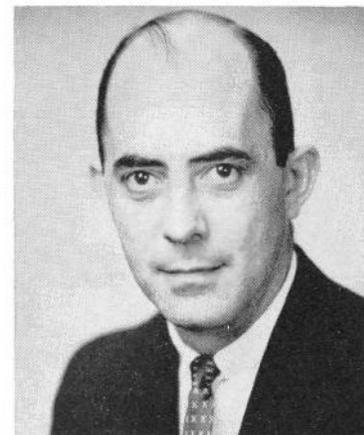
June 26

Dr. Theodore M. Tjossem, director, Mental Retardation Program, NICHD
Subject: Mental Retardation

July 3

Dr. Peter Olch, deputy chief, History of Medicine, NLM
Subject: The National Library of Medicine's Oral History Programs (R)

Interview takes place during the program, The Music Room.



Thomas D. Hatch, deputy director and acting director, Division of Allied Health Manpower, was awarded an honorary degree, Doctor of Humane Letters, by the Southern College of Optometry. His citation read: "The soundness of his advice and his persistence . . . in the total health care of the American public have been invaluable . . ." Mr. Hatch also addressed the graduating class.

NIH TV Program Branches Out

NIH Reports, on WRC-TV in the Washington Metropolitan area, has also been on the air over WETV, Atlanta, Ga., and has recently been scheduled for Nashville, Tenn., via WDCN-TV.

WOSU-TV in Columbus, Ohio, will schedule that program starting in September.

Fad Diets Are No Cure For Obesity; Dr. Burton Suggests Small Portions

A warning against the long-range futility of "fad" diets was voiced recently by Dr. Benjamin T. Burton, associate director for Program, National Institute of Arthritis and Metabolic Diseases.

Dr. Burton was interviewed on PANORAMA, a Metromedia TV program shown on channel 5.

Except in a minority of cases where glandular abnormality is involved, Dr. Burton said, weight reduction depends essentially upon "balancing the books," so that caloric intake is adjusted to the caloric energy requirements of the body.

Results Only Temporary

Various diets can give temporary results quickly, he pointed out, but obese individuals cannot be "cured" of overweight unless they take long-term responsibility for disciplining their own appetites.

The scientist suggested that the moderate dieter eat the foods customarily enjoyed, but to cut down on the portions.

Dr. Burton is the author of a textbook on nutrition.

NIH Issues Grants, Fellowships To U.S. Scientists, Institutes

Research grants, fellowships, and research career development awards, totaling \$27,906,060 were awarded by NIH to institutes and U.S. scientists during the month of April.

Grant applications are reviewed by consultants composed primarily of nongovernmental, nationally recognized leaders in the health field. All awards are made on a competitive basis.

Luther Holland's On-the-Job Training Pays Off; Awarded Honors Certificate



Questions that required in-depth answers were the type Mr. Holland had to contend with for the 4-hour AALAS exam. He passed with flying colors and is now certified as a Master Animal Technician. He is the second on the reservation to receive that title.

Luther C. Holland has his honors certificate propped up modestly on a desk cluttered with books, papers, forms, and all the rest of the paraphernalia of a busy supervisory animal husbandman. Most people would have had it framed and hanging on the office wall.

Mr. Holland is in the Rodent and Rabbit Production Section, Laboratory Aids Branch, Division of Research Services. And he has the unique distinction—along with one other NIHer—of having been certified a Master Animal Technician by the American Association of Laboratory Animal Science, an organization dedicated to the care and maintenance of research animals.

The other employee who received that honor—in 1966—is Samuel M. Poiley, head of the Mammalian Genetics and Animal Production Section, National Cancer Institute.

Back in 1953 Mr. Holland graduated from Hampton Institute with a B.S. in Animal Husbandry. But school didn't stop there.

It was after he came to the reservation from the U. S. Department of Agriculture that the rest of his schooling began in earnest.

"When I came for my interview I was told about the on-the-job training. It has been invaluable. If you're going to supervise something you should know how to do it yourself." And he found out how.

"I put on my blue coveralls and worked as an animal husbandman and trainee for a 2-month period in every animal area; it came to 16 months of training," Mr. Holland stated.

Mr. Holland also went to school at Walter Reed to get both his junior and senior technician diploma. Each was a 6-month course.

"I went to school one night a week for book-learning, working

with animals, and listening to lectures."

But for his latest certificate he didn't have to go to school. All he had to do was to take a 4-hour exam!

"What counted here was not only what I found out from books, but the practical experience—that's what I got here, right on the job.

Coin Tossing No Help

"I answered essay type questions. There were no true, false or multiple choices. I couldn't guess or toss a coin. I wasn't sure of one or two questions, I was in doubt, but I tried.

"That's some of the fruits of this training at NIH, you don't forget. Even now when we're short of help, I'll go down and pitch in."

In fact, that afternoon, he and his supervisor, Richard L. Pierson, were leaving their paper-work to inoculate strain 13-inbred guinea pigs against a form of bronchial pneumonia.

Mr. Holland said that he feels that "the animal caretakers are the backbone of this section."

"I learn from them, they are with the animals everyday, I still seek their advice. Just because you have a degree doesn't mean you know everything. In the course of a week I try to see and talk to every one of the animal caretakers in my section."

A number of them, he said, have taken the reading and writing courses that are given on the reservation, and all were enthusiastic students.

(See MR. HOLLAND, Page 7)

Dr. Sherman Receives Hon. Degree; Delivers Address at Alma Mater

Dr. John F. Sherman, Deputy Director of NIH, received an honorary D.Sc. degree from the Albany College of Pharmacy at commencement exercises on June 4.

Dr. Sherman, an alumnus of that school—he received his B.S. there—also delivered the Commencement Day Address.

His speech, "Communication—Paucity Amidst Profusion," described the problems of communicating at various levels including not only "in the quantitative aspect of the communications between the two generations but in the quality of the exchanges."

Dr. Sherman also expressed his dismay "at the apparently increasing inability of individuals to articulate their thoughts."

He enumerated "four specific characteristics which are essential to effective communication." They are "brevity . . . clarity . . . integrity . . . knowledgeableness . . ."

Dr. Sherman received his Ph.D. from Yale University in 1953. During that year he came to the reservation as a research pharmacologist. In 1968 he was named NIH Deputy Director.

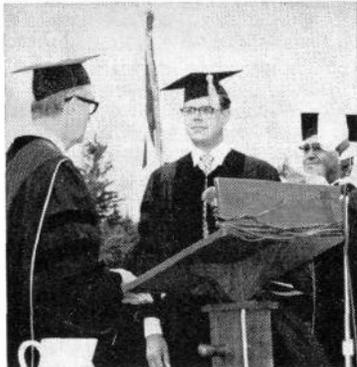
Thomas J. Cook Acting Chief, Grounds, Landscape Section

Thomas J. Cook has been named acting chief of the Grounds Maintenance and Landscape Section, Plant Engineering Branch, in the Office of Engineering Services.

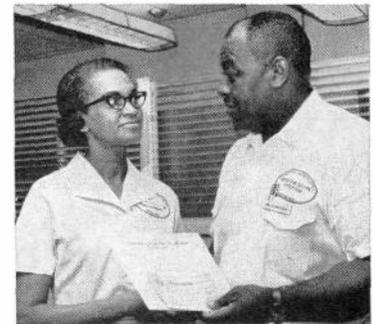
He was a landscape architect and assistant chief since 1960.

Mr. Cook received his B.S. degree in Horticulture and Landscape Design from the Virginia Polytechnic Institute.

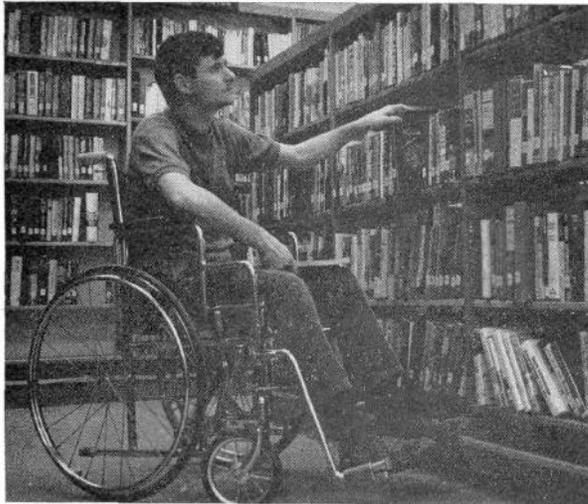
Milford D. Myers, section chief since 1956, has transferred to the Facilities Engineering and Construction Agency, DHEW.



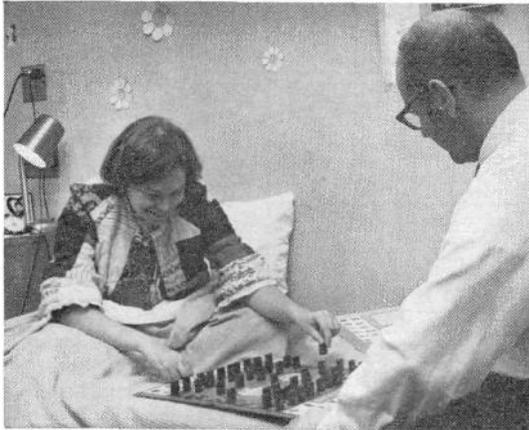
Dr. Paul D. Parkman, DBS, receives an honorary D.Sc. degree from St. Lawrence University during commencement exercises. Dr. Parkman, who had received his B.S. degree from the university, was cited for his exceptional "performance as a research scientist in virology over the past 15 years." The citation noted, "To him and his associates, we are indebted for much of our present knowledge of rubella virus. . ."



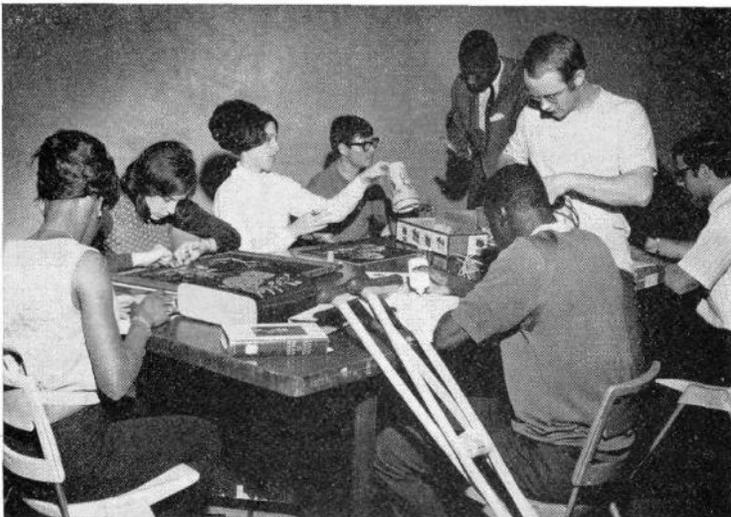
Columbia Jackson, a housekeeper in the Environmental Sanitation Control Department, receives a beneficial suggestion award and a check from John Summerour, ESCD labor foreman. Mrs. Jackson made time-and-labor-saving housekeeping suggestions that improved storage space, made for a neater appearance, and saved time for other ESCD employees.



Novels, plays, biographies, books on sports—in fact books on every conceivable subject, fitted into easy to reach shelves, help patients to while-away a rainy day.



If a CC patient cannot go to seek recreation—recreation will go to the patient. And Arnold Sperling, PAS chief, proves that point. He challenges a non-ambulatory patient to a game of wit of which they are both past-masters.



Patients who perhaps never thought they could paint, sew or master other nimble-fingered arts are now doing, in some cases, award-winning work under the expert tutelage of CC occupational therapists.

Clinical Center Offers W

Photos by Tom Joy and Ralph Bredland



On a clear day you can see the Lincoln Memorial—and almost all Washington—from the gravesite of President John F. Kennedy at National Cemetery. On the way home the patients and their CC guides stopped for a closer view of the statue that most visitors would above all else.

Joyful sounds of children receiving gifts from Santa Claus, and holly and mistletoe are strewn all over—a usual happening in December. But in July? Yet, this is what occurs in the Clinical Center—Christmas comes twice a year.

The CC Patient Activity Section, staffed by people with a beehive of ideas, is where the action starts humming, and eventually builds up into a crescendo of party plans that would do credit to any social circuit.

The office of Arnold Sperling, chief of the Section, reveals a large stuffed rabbit standing in the corner, and games and paintings are on the table.

There's a sign on Mr. Sperling's desk, from a former patient, that is most apt: Therapeutic Recreation, An Oasis of Entertainment in a Desert of Boredom.

Recreation programs must consider numerical, intellectual, medical, and sociological differences within the CC patient population.

Also, limitations imposed by research studies must be considered. Activities often must be planned around I.V. (intravenous) bottles, metabolic restrictions, urine collections, wheelchairs, and bulky bandages.

Mostly, there are separate schedules for adults and children.

Adult programs feature hobby craft, music and drama, and adapt-

ed sports. Also, movies, dances, concerts, off-reservation sightseeing and theater trips, and fashion shows.

Children's activities include games, arts and crafts, parties, music, and adapted sports.

Patients, both adult and young ones, who require bedside recreation are not forgotten. PAS has also planned events for them.

Perhaps most outstanding of the activities are those "special" events planned for each season.

Patients Vie for Prizes

In the spring, there is an Easter Hat Contest. Patients create original chapeaus and prizes are awarded to winners. There is Easter egg dyeing and an Easter egg hunt.

Washington area sightseeing tours for the patients include a trip to the Cherry Blossom Festival. There is also an "April in Paris" dance and the annual Spring Folk Dance Festival.

Summer is the time for the outdoor Patients' Carnival. Volunteers from the local area Red Cross Hospital Volunteers, and CC staff

Recreation for All Seasons



downtown Arlington sightseeing



members help with preparations and man the game booths.

Others who make the affair a success are the DRS electricians, carpenters, and grounds maintenance employees.

Patients also enjoy concerts by U.S. military bands. Even fishing trips—to the Poolesville pond—are arranged.

Highlighting the fall season are weekly sightseeing trips, Halloween—with Trick or Treat Night for young patients and a Masquerade Ball for the adults—a Thanksgiving Dance and the children's annual Turkey Hunt.

Winter drives activities indoors, but there is no reduction in tempo. A Patients' Winter Carnival is held in the assembly hall. Adult patients enjoy dancing to live music at the "Snow Ball."

Before Christmas, a special program of recreation and entertainment is presented, winding up with New Year parties for both young and old.

Throughout the year, adults may attend current movies twice weekly and children's movies are shown once weekly.

The 5,400-volume Patients' Library would make a bookworm envious. It offers reading matter in all categories including the latest

books and current periodicals.

Library shelves are designed to enable wheelchair patients to reach books without aid.

Other PAS facilities include a completely equipped gymnasium, solarium, an assembly hall with a piano and organ, two sundecks, an outdoor playground with a croquet court and horseshoe pit, tennis courts, and a ball diamond.

In addition, PAS has a Lending Service. Patients may borrow tape recorders, record players, slide projectors, typewriters, guitars, autoharps, and bicycles for campus riding.

Although patient participation is voluntary, statistics show that over 50 percent of all CC patients become involved with the PAS recreation programs.

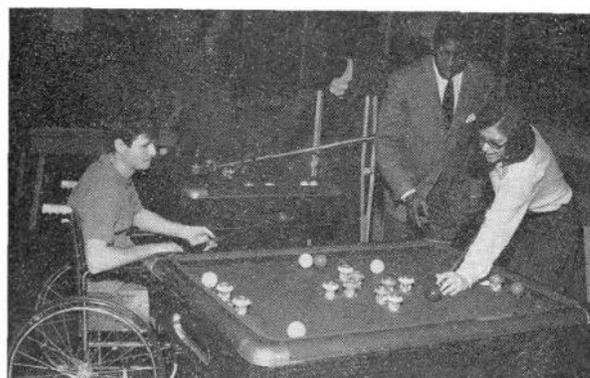
All Pitch in for Program

Closely working with the small PAS staff to make this recreation program work are volunteers from nearby communities, and the therapists, social workers, nurses and other members of the CC patient care team.

Summer, winter, spring and fall, it may be truly said that the CC Patient Activity Section offers recreation for all seasons.



Step right up—you may be a winner—and the young man at the Patients' Carnival comes close to it. There are so many games of chance and skill he's bound to leave the grounds with a prize before the day is over.



Anyone for billiards, or pool, or other games? Looks like fun, and it is, especially with companions who share their knowledge of how to play—and win.



Concerts—jazz, classical, rock, country music—are events CC patients truly enjoy. The dedicated classicist turns out for a rock chorus, and the jazz aficionado learns to dig the three B's.

Henry T. Cram to Head Allied Health Facilities, New Branch in DERF

Henry T. Cram has been appointed chief of the Allied Health Facilities Branch—the newest of five branches in the Division of Educational and Research Facilities, BEMT.

The appointment was announced by Dr. Harry W. Bruce, Jr., Division Director.

Mr. Cram has been serving as deputy chief of the Division's Physician Education Facilities Branch.

He will direct the matching grants construction programs to build and expand facilities to train students in health professions disciplines.

These include the fields of pharmacy, optometry, podiatry, public health, veterinary medicine, and allied health professions.

Mr. Cram received his B.S. de-



Mr. Cram held several administrative posts in construction programs of the U. S. Corps of Engineers and the Navy before joining PHS.

gree from the University of Oregon.

He served in personnel and administrative positions involved in construction programs of the U.S. Corps of Engineers in Oregon and Washington, and the U.S. Navy in Alaska.

Mr. Cram joined the PHS in Alaska. He transferred to NIH in 1961.

He also held posts in the Bureau of State Services and the Division of Physician Manpower, Bureau of Health Manpower.

Dr. Whiting Appointed To Child Health Council

Dr. John Whiting, professor of Social Anthropology at Harvard University, has been appointed to the National Institute of Child Health and Human Development Advisory Council.

His 4-year term begins July 1.

He is the author of *Becoming a Kwoma: Teaching and Learning in a New Guinea Tribe* and *Child Training and Personality*.

Innovations at NIH Library Facilitate Use of Material; Weekly Tours Planned

The face-lifting of the NIH Library in the Clinical Center, Bldg. 10, is completed except for some further improvement of the Library Copy Service; this will be carried out in the next Fiscal Year.

NIH Library innovations include:

- Electronic Security System. This system is expected to aid in reducing the loss of books. A number of universities and medical school libraries have already installed electronic security systems.

- Loan Periods. Starting July 1, circulating books, 2 years old or less, and journals may be taken out for a 2-week period. Older books may be kept for 4 weeks.

Improvement to Continue

- Improving the Library Collection. With the help of NIH personnel, including scientists and engineers, the Library Collection will continue to improve. Also, "deadwood" will be removed from the collection.

A site has been assigned for books and journals designated by the library staff as obsolete or superseded material. The material will remain there for at least 3 months in order to give library users a final say in its disposal. Reactions may be registered via cards, and then placed in a nearby box.

- Library Copy Service. The new Library Copy Service Form has replaced the coupons that were formerly used. That form, obtainable from the I/D Administrative Office, and the NIH Library ID card are required for copies of library journal articles.

The NIH Library will initiate an orientation program and tour of the facility on Wednesdays, at 2 p.m. This program will start July 1.

Publication Lists Support Of Grants, Construction, Med. Library Resources

A new volume, one of a 4-part series, listing NIH support of training grants, construction, and medical library resources was recently published.

The document, *Part II, Public Health Service Grants and Awards, Fiscal Year 1969 Funds*, also includes tables incorporating NIH research projects listed in Part I, which was published earlier.

Copies of Part II are available at \$3 each from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402.

Single copies are available free to editors from the Information Office, Division of Research Grants, NIH, Bethesda, Md. 20014.

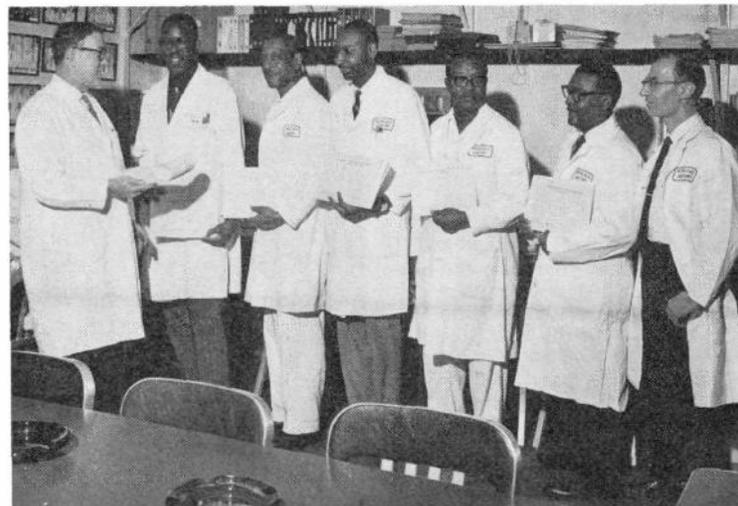
R&W Election Will End On Thursday, June 25

Representatives of the NIH Recreation and Welfare Association are distributing ballots for five elective positions to all R&W members.

Winning candidates will serve on the Association's Board of Directors.

Completed ballots should be returned to the representatives or to places designated on the ballot instructions.

The deadline for voting is Thursday, June 25, at 4:30 p.m. Any ballots delivered after this time will not be counted.



Dr. Louis B. Thomas, chief, and Dr. Alan S. Rabson, deputy chief, Laboratory of Pathology, NCI, present the special achievement award for superior work performance to five employees for the voluntary coverage, and for a longer-term period of the post-mortem service at night and on week-ends. (L to r) Dr. Thomas, James Banks, Jr., William Herndon, Alphonso Coleman, L. Kenzie Edwards, Alexander Dock, and Dr. Rabson.

Dr. Marilyn K. Hutchison Participates in Technical Talks at WHO Assembly

Dr. Marilyn K. Hutchison, assistant director, Division of Physician Manpower, BEMT, was one of 14 representatives who took part in the technical discussions of the World Health Assembly, WHO, in Geneva, Switzerland.

The conference, held in May, marked the 25th anniversary of the UN and the 23rd meeting of the Assembly.

Technical discussions focused on Education for the Health Professions—Regional Aspects of a Universal Problem.

On her return, Dr. Hutchison



Dr. Hutchison took reams of notes at the meeting, and also found time to discuss conference proceedings and exchange ideas with many of the foreign scientists.

lauded both conference aims and the opportunity to discuss medical manpower problems with physicians from other countries.

Surg. Gen. Jesse L. Steinfeld was chief U.S. delegate to the meeting. Other delegates included Dr. Paul Ehrlich, Director of the Office of International Health, PHS, and Idar Rimestad, U.S. Ambassador to Switzerland.

DR. DIFENBACH

(Continued from Page 1)

tive Board of the Public Health Service's Commissioned Officers Association, and in 1966 served as chairman of the Board.

He is also a member of the educational advisory board of the Kettering Library, University of Cincinnati Medical School.

Dr. Diefenbach is a Fellow of the American Public Health Association, the American Association for the Advancement of Science, and the American College of Dentists.

He is also a member of the American Dental Association, the American Association of Public Health Dentists, and the Federation Dentaire Internationale.

Theodore H. Moller Dies Following Heart Attack; Was Biomedical Engineer

Theodore H. Moller, 48, a biomedical engineer with the National Institute of Arthritis and Metabolic Diseases, died June 2 following a heart attack at his home.



Mr. Moller was a project officer for biomedical engineering aspects of the Institute's Artificial Kidney Program.

Prior to joining NIAMD in November 1967, he served as chief of the Training Grants and Fellowship Program of the National Center for Air Pollution Control.

Previously Mr. Moller had conducted research in biomedical engineering in the Department of the Navy's Bureau of Yards and Docks.

He had also worked for the Massachusetts Public Works Department and for the General Electric Company.

During World War II he served as a flight engineer with the Army Air Corps.

Mr. Moller received his B.S. degree in Chemical Engineering from Northeastern University in 1949.

He belonged to several scientific organizations, and had published a number of papers on biomedical engineering.

Mr. Moller is survived by his wife, Winifred, and three children, James, 18, Diane, 14, and Richard, 8, all of the home address, 11313 Cloverhill Drive, Silver Spring, Md.

CC Reports Blood Donated By NIH Employees in May

The Clinical Center Blood Bank reports that 321 units of blood were received from NIH donors in May, and CC patients received 1,429 units.

Six donors achieved a special status. Dr. Leonard L. Mitnick, NIMH, and Kenneth Mitchell, ODA, attained the 2-gallon mark.

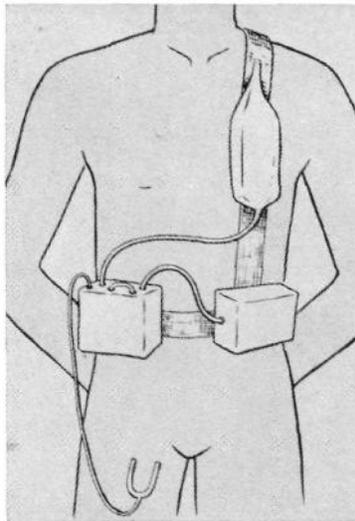
New Gallon Donor Club members are Stephen J. Lakner, BEMT; Herbert W. Horrell, DRS, and Virginia G. Moxley and Dr. Fred H. Bergmann, DRG.

Dr. James P. Steele Named to NIGMS Nat'l Advisory Council

Dr. James P. Steele has been appointed to the National Advisory General Medical Sciences Council. He will serve through Sept. 1973.

Dr. Steele is professor of Radiology at the University of South Dakota School of Medicine and Director of the Department of Radiology at the Sacred Heart Hospital, Yankton, S. Dak.

PATIENTS USE PORTABLE GUT SYSTEM



(Left)—Diagram of a portable gut system. (Right)—Patient is being infused with a portable infusion system. The plastic reservoir is attached to a shoulder strap and the rather bulky pump is a belt. A simpler, less bulky system is in the preliminary testing stage.



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Hilah Thomas Receives Trophy for Civic Service

Hilah Thomas, a science writer at the National Institute of Dental Research, received The Evening Star Trophy from the Montgomery County Civic Federation on June 8 for "her outstanding service" to the county.

Mrs. Thomas, a member of the federation since 1962, has served as recording secretary for the last 7 years.

Her minutes of federation proceedings were cited as "unifying, effective, influential public documents."

The trophy, a silver cup, is donated by the Star, but the recipient is selected by the federation.

MR. HOLLAND

(Continued from Page 3)

Talk spun around to the EEO on the campus, and Mr. Holland unqualifiedly came out for "the efforts people are making here to promote EEO."

"Racial relations are improving all the time. I'm very encouraged. I feel they are trying to do something about injustices.

"I'm treated very well here, I'm treated and respected as a man."

He described NIH as one of the largest facilities in the U. S. to raise such a diversified number of animals.

"I'm fortunate to get in such an organization as this," he stated.

"Last year in this section I think we raised over a million guinea pigs, rabbits, hamsters, mice and rats."

Mr. Holland explained that he was encouraged to take the AALAS test by his supervisor, chief of the section and LAB administrative

officer. There was a \$25 testing fee—paid by LAB.

"At first I sort of hedged about taking it. I felt I would be letting them down if I failed. That's why I feel so good about passing it."

liquid nutrient formulas into the bloodstream.

As the liquid nutrients flow directly into the plastic shunt, they are diluted in the blood which is circulating constantly.

This avoids dilution of the irritating solutions in sensitive blood vessels which are highly susceptible to damage.

A silicone rubber side arm is affixed to the plastic shunt and capped when not in use.

Patients with some remaining bowel function, who require "feeding" only at night, need only uncapp the side arm and connect it to a gravity-powered infusion system at the bedside.

This home system has proved workable, safe, and easy to use in experimental clinical tests. It permits introduction of a 50 percent dextrose solution at rates sufficient to supply 2500-5000 glucose calories per 24 hours.

A portable artificial gut also has been devised for those patients who require continuous intravenous nutrition. A bag of liquid nutrients powered by a battery-operated lightweight pump is worn on the person.

This is connected to the rubber side arm on the plastic shunt during the day, and at night the patient needs only to switch from the portable unit to the bedside system.

Dr. Scribner and his associates reported their findings in the April 24 issue of the *Journal of the American Medical Association*.

Dr. Joseph A. Gallagher Is Retiring From BEMT

Dr. Joseph A. Gallagher has been appointed vice chancellor for Health Planning in the University of Texas System.

Dr. Gallagher, Assistant Surgeon General and Deputy Director of the Bureau of Health Professions Education and Manpower Training, is retiring from the Public Health Service on July 1.

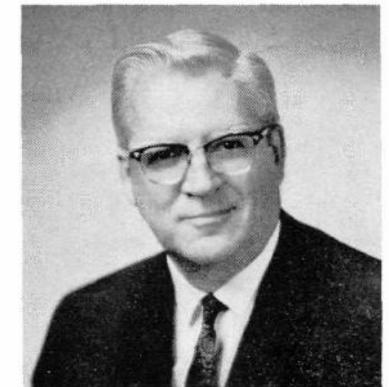
He received his M.D. degree from the University of Colorado School of Medicine in 1948, and served an internship in the Public Health Service Hospital in San Francisco the following year.

After a few months in private practice, he entered the Public Health Service.

Dr. Gallagher has held posts at federal health installations in Miami, Fla.; Savannah, Ga.; St. Louis, Mo.; Staten Island, N.Y., and Anchorage, Alaska.

From 1962 to 1964 he was medical director of the Peace Corps.

Dr. Gallagher has been Deputy Director since January 1967.



Dr. Gallagher received the Meritorious Service Award of the Public Health Service in June 1969.

MONOGRAPH

(Continued from Page 1)

ject. It also points up the gaps in the scientific understanding of brain dysfunctions.

The document explores experimental and clinical research findings in child psychology and in other fields.

This report was prepared by James C. Chalfant and Dr. Margaret A. Scheffelin, Institute for Research on Exceptional Children at the University of Illinois.

The first report, published in 1966, included the views of psychiatrists, educators, neurologists and pediatricians on that subject.

The second report, to be published soon, analyzes the medical and educational services that are needed for children with dysfunction.

The third monograph is available from the NINDS Information Office, NIH, Bethesda, Md. 20014.

Latest Participants in NIH Visiting Scientists Program Listed Here

6/1—Dr. Yoon Sang, Cho-Chung, Korea, Tumor Physiopathology Section. Sponsor: Dr. P. M. Gullino, NCI, Bldg. 37, Rm. 4B03.

6/1—Dr. Ashwani Malhotra, India, Drug Development Branch. Sponsor: Dr. John S. Driscoll, NCI, Bldg. 37, Rm. 6D24.

6/2—Dr. Maria Straub, Hungary, Clinical Endocrinology Section. Sponsor: Dr. Robert L. Perlman, NIAMD, Bldg. 10, Rm. 8N256.

6/5—Dr. Petko Uzunov, Bulgaria, Lab. of Preclinical Pharmacology, St. Elizabeths Hospital. Sponsor: Dr. Erminio Costa, NIMH.

6/8—Dr. Alberto Chersi, Italy, Lab. of Immunology. Sponsor: Dr. Rose G. Mage, NIAID, Bldg. 10, Rm. 11D07.

6/8—Dr. Kazuo Hara, Japan, Lab. of Perinatal Physiology. Sponsor: Dr. Ronald E. Myers, NINDS, 106 Auburn Bldg.



Mary Elizabeth Price, CC Neurology Nursing Service, was recently given the Outstanding Nurse Award by the Paramedical Association of West Chester State College—her alma mater. Miss Price graduated Magna Cum Laude with a B.S. in Nursing Education. She also has an R.N. from the University of Pennsylvania School of Nursing.

Graduate Student Support Will Continue; Phase-Out of One Program Announced

A phase-out of support for Predoctoral Research Fellowships has been announced by Dr. Robert Q. Marston, NIH Director.

NIH support will continue for those students already in the program, and selections will be made from those who applied prior to April 1970. However, no applications will be accepted thereafter.

The primary mechanism for helping predoctoral students—the Predoctoral Research Training Grants program—as well as two other fellowship programs and career development awards will continue.

About 5,000 graduate students are now being supported by NIH through the training grants program.

Although this program cannot aid as many students as in the past, Dr. Marston stressed that it will continue as an alternative mechanism to help a sizeable number of outstanding graduate students.

The predoctoral fellowship program now being phased out has been of great value, according to Dr. Marston. As many as 1,500 fellowships have been awarded annually, but this number has steadily declined each year.

The NIH programs, designed to help predoctoral and postdoctoral students, which are not affected by the discontinuance of the predoctoral fellowship program, are:

- Predoctoral - Postdoctoral Research Training Grants—These grants are made to educational institutions which themselves set up training programs and select the graduate students in health and health-related fields.

NIH evaluates the relevance of a proposed training program, considers national needs for scientific manpower in the field of study,

and sets requirements for trainees.

- Postdoctoral Research Fellowships—An applicant for such a fellowship must have received a research doctorate, such as a Ph. D., or a professional doctorate, such as an M.D.

NIH awards these fellowships directly to applicants on advice of scientific consultants in the academic community. These fellows must pursue research training full time.

The stipend is \$6,000 to \$7,000 per year, and NIH also pays tuition. Applications will be accepted by deadlines of next October, January, and April, as in the past.

Other Aid Noted

- Special Fellowships—Those who already have doctorates and have completed additional study or work, or nurses who have degrees, can be financially aided.

Scientists and clinicians selected under this program are helped to broaden their scientific backgrounds and strengthen their research skills.

NIH pays stipends, which vary in amount, pays tuition and furnishes a supply allowance.

- Research Career Development Awards—NIH makes these awards to foster the development of young scientists who have shown outstanding potential for careers in health research. They must have at least 3 years of experience after earning their doctorates.

Educational institutions apply to NIH in behalf of these scientists. The awards vary in amount.

Express Busses From Cardoza Area to NIH Offer Low Fares, Nonstop Service

NIH has arranged for the Capital Flyer bus—Route O-7—to stop outside the reservation on Rockville Pike. This bus provides low cost transportation and may be an inducement for more inner-city residents to apply for positions here.

The Capital Flyer is a low fare, nonstop express bus which runs between 10th and U Streets, N. W.—the Cardoza area—and E. J. Korvette's in Rockville. The bus route is via Wisconsin Avenue and Rockville Pike, and the fare is 25 cents for straight through travel.

To transfer from another bus to the Capital Flyer at 10th and U Streets, a fare of 32 cents—the regular D. C. bus fare—plus ten cents for a transfer is required, bringing the total to 42 cents.

Returning to 10th and U Streets, N. W., the fare is 40 cents—25 cents for the Capital Flyer and 15 cents for a transfer to other points.

4 Busses in Morning

In the morning the Capital Flyer—there will be four busses so designated—will stop for passengers to get off at Jones Bridge Road, and also at the South Gate entrance, National Naval Medical Center.

In the evening these busses will allow passengers to board at South Drive, and at Center Drive, Rockville Pike. Passengers must signal the driver to stop. Information on this O-7 Route has been posted on all NIH official bulletin boards.

Plans are underway for another Capital Flyer—Route O-1—to also start in the Cardoza area. This bus will go to Korvette's via Old Georgetown Road. It will return on the same route.

Information on this service, expected to begin July 6, will be released when the plan is approved.

DN Issues New Grants To Schools of Nursing

New grants from the Division of Nursing, BEMT, are helping financially distressed nursing schools remain in operation until students who have invested time and money in their education can graduate.

Special Project Grants have been awarded to the Memorial Mission Hospital School of Nursing, Asheville, N. C., and the Capital City School of Nursing, Wash., D. C.

Information about Special Project Grants, and how they serve to start new schools of nursing and help existing schools, may be requested from the Division of Nursing, 9000 Rockville Pike, Bethesda, Md. 20014.

SYNTHETIC GENE

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bases in known sequence.

Dr. Khorana, a native of India, is a naturalized U.S. citizen. He has received NCI research grant funds totalling more than \$1.6 million during the past 13 years.

He has also received substantial support for a number of years from the National Science Foundation.

His present NCI grant-supported study, titled Nucleic Acids and the Biological Code, is in its tenth year.

Synthesis of the yeast gene was reported at the University of Wisconsin on June 2. Dr. Khorana plans a move to the Massachusetts Institute of Technology about July 1.



During her visit to the Clinical Center on June 4, Mrs. Rafael Caldera, wife of the President of Venezuela, who is standing next to CC Director Dr. Thomas C. Chalmers, stops to see the Pool of Bethesda exhibit in the lobby. Also making the CC tour were Mrs. Clarissa Siblesz (far right) and, barely visible, Mrs. Marion Smoke, wife of the deputy chief of Protocol, U. S. State Department. The visit included the 2-East Nursing Unit for young patients with leukemia, and the Occupational Therapy Section of the Rehabilitation Department.