



HEW SEC. FOLSOM CITES PHYSICIANS FOR ADDICTION WORK

Four PHS physicians whose work has made history in the field of drug addiction research received citations recently from DHEW Secretary Marion B. Folsom.

Dr. Robert H. Felix, NIMH Director, presented letters of commendation to two retired Assistant Surgeons General, Drs. Lawrence Kolb and Walter L. Treadway; to Dr. Nathan B. Eddy, Chief of the Section on Analgesics, NIAMD; and to Mrs. Marianne Small, the widow of Dr. Lyndon F. Small, former Chief of the Laboratory of Chemistry, NIAMD, who died June 15, 1957.

Dr. Kolb was the first Medical Officer in Charge of the USPHS Hospital and Addiction Research Center in Lexington, Ky. Dr. Treadway served as Chief of the PHS Mental Hygiene Division for eight years. Both were pioneers in the establishment of the two PHS drug addiction treatment centers in Fort Worth, Tex., and Lexington, Ky.

Dr. Eddy and the late Dr. Small were honored for their outstanding findings while searching for a drug that would relieve pain without the risk of addiction.

The citations were made in connection with a symposium on narcotic drug addiction problems held at NIH March 27 and 28.

Dr. Shannon Honored

Dr. James A. Shannon, NIH Director, recently received the 1958 scientific award of the New York University Alumni Association for "outstanding achievements in the fields of renal physiology, malaria control, and national administration of medical research." The award was presented at the dedication of Bellevue Medical Center's new Alumni Hall in New York.

CONSULTANTS SUBMIT PLANS FOR NIH EXPANSION



Consultants who developed a master plot plan for NIH are (l. to r.) Gen. Otto L. Nelson, Jr., Ralph T. Walker, and Gilmore D. Clarke.

New Study Outlines Building Locations For Next 5-10 Years

A master plot plan outlining potential utilization of NIH grounds was submitted last week by a three-man committee of eminent planning consultants.

The plan is designed as a guide for the most effective use of undeveloped land on the reservation, and recommends sites for the construction of such buildings and roads as may be authorized in the years ahead.

Working closely with NIH administrative and research personnel, the Committee based its planning on research trends here and throughout the country. Comparisons were made with the development of research facilities in other Government agencies and in private industry.

Building sites provided for in the plot plan include locations for future research and office facilities, supporting service structures, quarters, and a centrally located recreation center for employees and patients. An open mall south of the CC is recommended for tennis courts, handball courts, bowling greens, and other outdoor activities.

The extensive land utilization study was prepared for DRS by three well-qualified consultants. They are Gilmore D. Clarke of Clarke and Rapuano, N. Y.; Gen. Otto L. Nelson, Jr., head of the Real Estate Division and Vice President of the New York Life Insurance Company; and Ralph T. Walker, well-known industrial research designer of Voorhees, Walker, Smith and Smith, N. Y.

8th Equipment Exhibit To Open Here May 12

The Eighth Annual Instrument Symposium and Research Equipment Exhibit will be held at NIH from May 12 through 15. The exhibit, sponsored by nationally known manufacturers and scientific groups, will feature demonstrations and displays of newly developed medical research equipment.

More than 100 research products, including glassware and surgical and optical equipment, will be on display in Bldg. 22. Special sessions will be held to demonstrate new equipment.

Among the speakers at the symposium, to be held concurrently in the CC Auditorium, are the following NIH scientists: Drs. Kolomon Laki, Rodney A. Olson, and Frederick S. Brackett, NIAMD; Drs. William F. Harrington, Murray Eden, Frank W.

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NIAID Team Combats Schistosomiasis

No. 203 in a Series



Suspended in this Egyptian canal are cannisters containing sodium pentachlorophenate, a compound which kills aquatic snails who serve as hosts for the developing schistosome larvae.

In 1953 the Egyptian government requested assistance from the United States in the control of one of that country's major diseases, schistosomiasis. Humans contract this chronic debilitating illness when they come in contact with waters infested with minute free-swimming cercaria, the larvae of the schistosomes.

Scientists in NIAID have been studying various phases of schistosomiasis since 1943, when large numbers of American troops became infected while serving in the Far East. The disease is also a potential health hazard to the United States.

Part of the parasite's life cycle is passed in the body of certain aquatic snails, and attempts have been made to destroy these hosts with chemicals. One of the major investigations of the Institute has been the screening of more than 2,000 chemicals in an attempt to find a superior molluscicide. Several compounds proved highly effective, and one, sodium pentachlorophenate, was outstanding. Even in low concentrations, it killed not only the snail host but also its eggs. It was nontoxic to humans, domestic animals, and crops.

In response to the Egyptian request, Dr. E. G. Berry of NIAID's Laboratory of Tropical Diseases

was assigned to head a pilot control project and to demonstrate this compound. A rural area northwest of Cairo was selected. There the incidence of schistosomiasis was high, and more than a hundred miles of canals and drains were infested with the intermediate snail hosts.

Within six weeks after the first application of sodium pentachlorophenate, all the waterways were free of the snails. Two or three treatments a year, however, were necessary to kill the snails that invaded from canals above the project boundaries.

Mollusciciding with sodium pentachlorophenate is faster, simpler, and cheaper than with agents formerly used, such as copper sulfate. So economical was the project that it was expanded in 1955 to tentimes its original size.

During the three years of the program, the incidence of schistosomiasis in school children aged 6 to 10 declined from 40 percent to 25 percent. It is now evident that control may be effected through use of sodium pentachlorophenate alone. Dr. Berry is enthusiastic about the new molluscicide. He believes, however, that only through better sanitation, health education, and thorough control of the intermediate hosts will it be possible to eradicate the disease.

Publication Preview

The following manuscripts were received by the SRB Editorial Section between January 31 and February 10.

DBS

Baron, S., and Low, R. J. A new maintenance medium for cell culture.

Warren, J.; Hare, J. D.; and Goldman, C. Complement-fixing antigens of living and inactivated poliovirus.

NCI

Algire, G. H.; Borders, M. L.; and Evans, V. J. Studies of heterografts in diffusion chambers in mice.

Coghill, R. Future expectations in cancer chemotherapy.

Cramer, L. M.; Waite, J. H.; Edgcomb, J. H.; Powell, C. C.; Tuohy, J. H.; and Van Scott, E. J. Burn following accidental exposure to high energy radiation.

Heller, J. R. Summary: Unmet needs for cancer control.

Hueper, W. C. Experimental studies in metal carcinogenesis. X. Carcinogenic effects of chromite ore roast deposited in muscle tissue and pleural cavity of rats.

Price, V. E., and Greenfield, R. E. Anemia in cancer.

Rabson, A. S. Adaptation to serum-free medium by a phagocytic cell strain derived from a murine lymphoma.

Shelton, E., and Rice, M. E. Studies on mouse lymphomas. III. Behavior of tumor and non-tumor cell populations during growth of three ascites lymphomas.

Shimkin, M. E., and Moore, G. E. Cooperative studies of the effect of chemotherapeutic agents for cancer given in conjunction with surgery.

Stewart, S. E.; Eddy, B. E.; and Borgese, N. Neoplasms in mice inoculated with a tumor agent carried in tissue culture.

NHI

Berliner, R. W.; Levinsky, N. G.; Davidson, D. G.; and Eden, M. Dilution and concentration of the urine and the action of antidiuretic hormone.

Braunwald, E. The hemodynamics of valvular stenosis.

Brodie, B. B.; Gillette, J. R.; and La Du, B. N. Enzymatic metabolism of drugs and other foreign compounds.

Brodie, B. B., and Shore, P. A. On the mechanism of action of psychotropic agents.

Chen, P. S., Jr. Fluorescence of some salicyloyl hydrazones.

Korn, E. D. The synthesis of heparin in mouse mast cell tumor slices.

Shore, P. A.; Cohn, V. H., Jr.; Highman, B.; and Maling, H. M. Distribution of norepinephrine in the heart.

Smyrniotis, P. Z.; Miles, H. T.; and Stadtman, E. R. Isolation and structure proof of 3, 4-dimethyl-6-carboxy- α -pyrone as a bacterial degradation product of riboflavin.

NIAID

Chanock, R. M.; Parrott, R. H.; Bell, J. A.; Rowe, W. P.; and Huebner, R. J. New viruses observed in children with respiratory illnesses.

Cook, M. K. The development of a pyrimethamine-resistant line of *Toxoplasma*.

Eagle, H., and Foley, G. E. Cytotoxicity in human cell cultures as a primary screen for the detection of anti-tumor agents.

Kohls, G. M. *Amblyomma imitator*, a new species of tick from Texas and Mexico, and remarks on the synonymy of *A. cajennense* (Fabricius) (Acarina-Ixodidae).

NJH Spotlight



Stanley B. Ward

McCullough, N. B. Laboratory diagnosis of human Brucellosis, a panel discussion presented at the Fourth Inter-American Congress on Brucellosis.

Phillips, B. P.; Wolfe, P. A.; and Bartgis, I. L. Studies on the ameba-bacteria relationship in amebiasis. II. Some concepts on the etiology of the disease.

Pickens, E. G., and Luoto, L. Tissue culture studies with Colorado tick fever virus. I. Isolation and propagation of viruses in KB cultures.

Rosen, L. Experimental infection of New World monkeys with dengue and yellow fever viruses.

Rosen, L.; Johnson, J. H.; Huebner, R. J.; and Bell, J. A. Observations on a newly recognized ECHO virus and a description of an outbreak in a nursery.

Tobie, J. E. Certain technical aspects of fluorescence microscopy and the Coons fluorescent antibody technique.

NIAMD

Hove, E. L.; Fry, G. S.; and Schwarz, K. Ineffectiveness of factor 3-active selenium compounds in muscle dystrophy of rabbits on vitamin E-free soybean meal diets.

Matsuura, T., and Cahnmann, H. J. Structural effects in the conversion of side chain analogs of 3, 5-diiodotyrosine to analogs of thyroxine.

Scott, E. M., and Jakoby, W. B. Soluble γ -aminobutyric-glutamic transaminase and semi-aldehyde dehydrogenase from a microorganism utilizing pyrrolidine.

NIIDR

Swerdlow, H., and Stanley, H. R., Jr. Reaction of the human dental pulp to cavity preparation. 2. At 150,000 r.p.m. with an air-water spray.

NIMH

Boomer, D. S. Subjective certainty and resistance to change.

Fraser, H. F. Human pharmacology of habituating drugs.

Fraser, H. F.; Isbell, H.; and Van Horn, G. D. Studies of norcodeine in man.

Mirsky, A. F., and Katz, M. S. Avoidance "conditioning" in paramacia.

Rheingold, H. L.; Gewirtz, J. L.; and Nelson, H. Social conditioning of vocalizations in the infant.

Wikler, A. Narcotics.

NINDB

Baldwin, M. Notes on the history of American military neurosurgery. 1. Treatment of head injuries.

Gouras, P. Electrical activity of toad retina.

Rasmussen, G. L. Anatomical discussion of the paper given by Dr. Galambos at the International Conference on Audiology, May 15, St. Louis.

Shy, G. M.; Bradley, R. B.; and Matthews, W. B. External collimation detection of intracranial neoplasia with unstable nuclides.

Windle, W. F., and Cammermeyer, J. Functional and structural observations on chronically reserpinized monkeys.

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JOINT FUND DRIVE LAUNCHED AT NIH

A non-quota fund drive to aid 10 independent charitable agencies was launched at NIH on March 15 by the Federal Service Health Campaign and the Federal Service Joint Crusade.

The six-week drive is the second and last solicitation in the Federal Government this fiscal year.

Surgeon General Leroy E. Burney has urged PHS employees to give generously, pointing out that this is especially desirable in view of our close working relationships with the voluntary health agencies.

John E. Fitzgerald, NIH campaign chairman, reports that NIH's goal is 100 percent participation by the campaign's closing date of April 30. Keymen have been appointed in each Institute and Division.

NCI Included On Tour By Science Writers

As part of a three-week tour sponsored by the American Cancer Society, 35 science writers visited NCI on March 24.

The tour, for science writers from Soviet, Japanese, British, French, and U. S. news agencies, was designed to give the group a comprehensive picture of current progress in cancer research throughout the country.

This year, Soviet science writers were invited to join the tour in accordance with President Eisenhower's recent declaration approving the exchange of medical knowledge with the U.S.S.R.

Frank Merritt Retires

Frank P. Merritt, NIAID, retired March 13 from his position as Chief Operating Engineer in charge of the heating plant at the Rocky Mountain Laboratory in Hamilton, Mont.

During his 35 years at Rocky Mountain, Mr. Merritt has seen the Laboratory grow from an abandoned schoolhouse to its present nine buildings. He transferred to PHS in 1933 when the Service took over Rocky Mountain spotted fever control work in Montana.

A member of numerous veterans' organizations, Mr. Merritt served with the U. S. Army overseas during World War I. Known to his co-workers as 'Shorty,' he has lived in Hamilton most of his life.

Nineteen years ago, Stanley B. Ward joined NIH as a laboratory attendant. Today he is a research technician with a speciality in parasitology, and is co-author of two published research papers.

Stanley's close collaboration with the scientists in his lab (NIAID's Laboratory of Immunology) and his contributions to the development of the rapid flocculation test for diagnosing trichinosis and the adaptation of this test for rheumatoid arthritis have earned him co-author credit and scientific recognition.

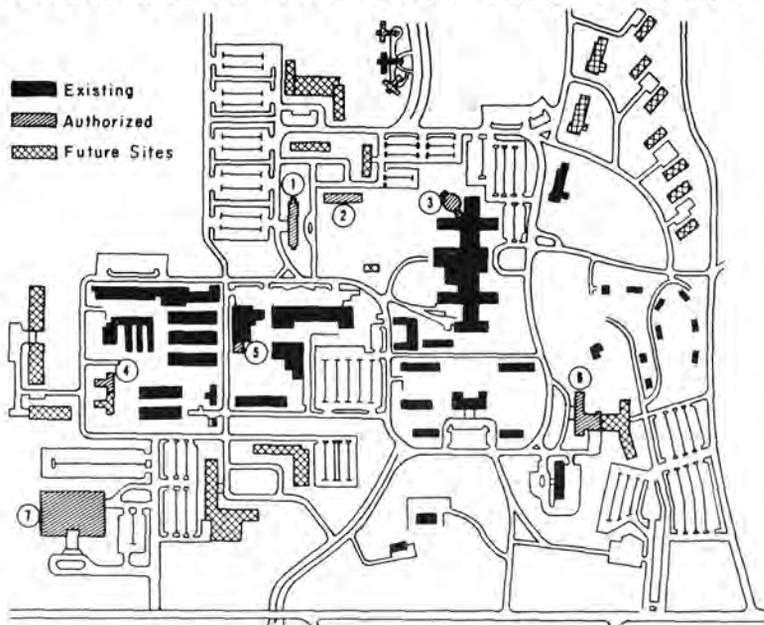
Stanley joined the Laboratory of Tropical Diseases in 1940. His first duties included the management and observation of test animals.

Adding to his knowledge of animals while on three years' military duty as a meat and dairy inspector in the Army Veterinary Corps, Stanley returned to NIH and put his knowledge to work. He worked his way up from a lab attendant to his present position.

As a research technician, he is responsible for preparing antigens for flocculation tests and for immunizing test animals. His long experience, efficiency, and thorough understanding of the problems involved in his work have earned him praises from his supervisors.

Off duty, Stanley plays softball and golf, and likes to go fishing and crabbing -- but he's up in the champ class in duckpin circles. Holder of a 120 average, he bowls with two top Bethesda teams and will go to Connecticut next month to compete in a National Championship Tourney. His wife and two carrot-topped daughters will lend moral support from the family home in Rockville.

HERE'S HOW NIH MAY LOOK IN 1968!



NIH's new master plot plan--numbers indicate buildings authorized for construction in the near future. (1) Division of Biologics Standards; (2) National Institute of Dental Research; (3) CC Surgical Wing; (4) NIMH Greenhouse; (5) Boiler Plant Addition; (6) Office Building; and (7) National Library of Medicine.

Employees Brave Blizzard For CC "Reading Night"

In spite of the crippling blizzard, 11 NIH employees returned to the reservation on the evening of March 13 to lead library week discussions for CC patients.

Groups met in all CC solariums to enjoy oral readings and discuss the pleasures of sharing reading experiences. Employees who led discussions were Sue Oliver, Scott Adams, Robert Beauregard, Nelson Fitton, Richard Hopkins, Jack Fletcher, Roy Perry, Dan Rice, Julia Rowady, Mary Ann Fuggitt, and Dr. Paul Schmidt. Mrs. Peter Mora, wife of an NIH scientist, also headed a discussion group.

Reading programs and storytelling sessions for younger CC patients were held on March 14 by Elizabeth Koenig, Mary Yagodinski, Mrs. Scott Adams, Priscilla Maury, and Margaret Hannigan.

EXHIBIT Contd.

Noble, and Joseph E. Hayes, Jr., NHI; and Dr. Gary Felsenfeld, NIMH.

Chairman of the symposium committee is Dr. Robert L. Bowman, NHL. Dr. John Leonard of the Chemistry Division, National Research Laboratory, is vice chairman. James B. Davis, DBO, is executive secretary of the committee.

DR. HALPERIN RESIGNS

Dr. Max Halperin, Chief of the Biometric Office, DBS, resigned recently to accept a position as a statistician with the General Electric Company in Schenectady, N. Y.

Employees Share \$1,100 In Awards

A total of \$1,100 in cash awards was presented recently to 13 employees at NIH for their suggestions and superior performance.

Four employees in the Office Services Branch, DBO, shared \$500 for planning and carrying out the relocation of 876 employees at NIH in a period of 3 months. Recipients were Donald R. Cushing, Chief of the Office Services Branch; Arthur D. Catlin, Head of the Space Management Section; James G. Hawkes, Head of the Communications Section; and John Finch, Head of the Transportation Section.

An award of \$250 was shared by members of the Laboratory of Nutrition and Endocrinology, NIAMD. They are Clara E. Mowry, Robert W. Adams, Ira O. Miller, William H. Mills, and Nicholas Williams.

Guard Lts. Richard F. Jones and Frederick D. Reynolds, Plant Safety Branch, DBO, were awarded \$75 each for superior performance.

Suggestion awards of \$100 each were presented to Betty M. Mattingly, Staff Nurse in the CC Diagnostic X-ray Department, and Alice B. Brooks, Statistical Draftsman, Medical Arts Section, DRS.

DR. CRONIN DIES

Dr. John W. Cronin, 52, Assistant Surgeon General and Chief of the Bureau of Medical Services, PHS, since 1956, died of a heart attack March 27 en route to the hospital from his office. Dr. Cronin has been affiliated with PHS since 1932. He was also Chief of the Hill-Burton hospital construction program.

He is survived by his wife Virginia and their two children, Virginia May and John Williams Cronin, Jr.



Award winners in the DBO Office Services Branch--(l. to r.) A. D. Catlin, J. G. Hawkes, J. Finch, and D. R. Cushing--discuss relocation plans with DBO Chief R. H. Henschel.