At left, Senator Lister Hill turns the first spade of earth at site of the National Library of Medicine, adjacent to NIH. Others are (l. to r.), Surgeon General Leroy E. Burney, Dr. Champ Lyons, Chairman, NLM Board of Regents; Congressman Melvin R. Laird, and DHEW Secretary Arthur S. Flemming. At right, Dr. Flemming addresses the audience at the ceremonies on June 12.

INFORMATION PERSONNEL ATTEND SEMINAR AT CDC

Twenty-seven members of PHS information staffs, including nine from NIH, attended an Information Officers’ Seminar at the PHS Communicable Disease Center, Atlanta, Ga., June 1 to 4.

The first of its kind to be held by PHS, the seminar included speakers from the Office of the Surgeon General, CBS News, the University of Maryland Department of Journalism, and the Communicable Disease Center.

Workshop sessions included the production by seminar participants of a motion picture and several closed-circuit television programs.

Participants from NIH included Elsie J. Fahrenthold, CC; Phyllis L. Snyder, DRG; Russell D. Bowman, NINDB; Robert L. Campbell, NIMH; Kenneth H. Flieger, NCI; Donald R. Goldthorpe, NIAID; John Maltrotti, NIAID; Daniel G. Rice, DRS; and Howard Ronan, NIAMD.

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DR. SJOERDSMA TO STUDY IN SWEDEN

Dr. Albert Sjoerdsma, head of the Experimental Therapeutics Section, NHI, left June 1 for a seven-month training assignment at the University of Lund, Malmo, Sweden.

During the training period, Dr. Sjoerdsma will work with Dr. Jan Waldenstrom, professor of medicine at the university. Dr. Waldenstrom is noted for his work in macroglutulinemia, and porphyria, and on the carcinoid syndrome.

Dr. Sjoerdsma is the 1958 winner of the Theobald Smith Award for medical research, and is an authority on "secreting" tumors and monoamine oxidase inhibitors.

First NIH Directory-Bibliography Published

Scientists at NIH published more than 1,000 scientific papers in 231 professional journals during 1958. This information is contained in PHS Publication No. 667, "Scientific (See Directory, Page 4)

CLOPINE APPOINTED NIH LIBRARY CHIEF

John J. Clopine, former chief of the Readers Service Section, DHEW Library, has been appointed NIH Librarian. He will assume his new duties on June 26.

Mr. Clopine succeeds Scott Adams, who left NIH last March to join the staff of the National Science Foundation.

Prior to his DHEW service, Mr. Clopine was with the U. S. Naval Intelligence School as Chief of Academic Services and earlier as chief librarian. He also has been chief librarian at the Institute of Languages and Linguistics, Department of State, and at the School of Foreign Service, Georgetown University.

A native of Nebraska, Mr. Clopine is a graduate of Bethany College. He holds an M.S. degree in Library Science from Catholic University.

Mr. Clopine is a member of the American Library Association and of the Special Libraries Association.
Hormone Helpful In Galactosemia

No. 229 in a Series

The cause of galactosemia was discovered by Drs. Herman M. Kalckar, Elizabeth P. Anderson, and Kurt J. Isselbacher of NIAMD in 1955. This hereditary disorder that results in early death if not treated, was found to be related to a deficiency in an enzyme necessary for the metabolism of galactose. Now further studies have revealed a method of circumventing this biochemical defect.

Infants afflicted with the disease are unable to tolerate milk. If the condition is not diagnosed, it results in weight loss, mental retardation, liver damage, cataract formation, and death. Fed a milk-free diet, however, the afflicted child may grow and develop normally.

The earlier NIAMD studies revealed that the disease is caused by the lack of an enzyme which is necessary to convert galactose, the sugar in milk, to glucose, the common sugar of the blood. The presence or absence of the enzyme galactose-1-phosphate uridyltransferase may be detected readily by examination of the patient's red blood cells. Following diagnosis the galactosemic infant may be placed on a special diet, the only presently available therapy.

Current research is being conducted by Drs. Yale J. Topper, Leroy A. Pesch, and Ernest R. Simon of NIAMD's Laboratory of Biochemistry and Metabolism, and by Dr. Stanton Segal of the Clinical Endocrinology Branch. They found that injections of the hormone progesterone over a six-day period enabled three young galactosemic patients to metabolize at least part of an intravenous dose of radioactive galactose. Prior to the hormone administration the patients had been incapable of metabolizing any of the sugar, but during a six-hour test period after administration they metabolized approximately 10 percent of the administered galactose. The experimental data suggested that a longer test period would have shown even more extensive metabolism.

These findings indicate that the hormone enabled the body to circumvent the enzymatic block, a step that had previously been complete. Further studies, using in vitro preparations of liver and small intestine, revealed the exact metabolic step that was stimulated by the hormone, and surprisingly, it was not the step where the blocking occurs—that is, the step requiring the missing enzyme. Instead, the hormone was acting on a subsequent metabolic step. Why the stimulation of this subsequent step should result in the overcoming of the block is not yet known.

Further clinical studies will be needed to determine progesterone's full value in the treatment of galactosemia. The most exciting aspect of the study, however, is that it raises the hope that by one means or another the enzymatic blocks causing other metabolic diseases can be overcome.

Publication Preview

The following manuscripts were received by the SRB Editorial Section between February 11 and February 24.

N.C.I.

Andervant, H. B. Summarizing remarks for the Thirteenth Annual Symposium on Fundamental Cancer Research.

Burk, D.; Hobby, G.; and Gaucher, T. A. Closed cycle air purification with algae.

Dutcher, T. F., and Fohey, J. L. The histopathology of the macroglobulinemia of Waldenstrom.

Hoenszel, W., and Hillhouse, M. Uterine cancer morbidity in New York City and its relation to the pattern of regional variation within the United States.

Heller, J. R. Cancer - where we stand today.

Heller, J. R. Advances made in cancer research.

Heston, W. E. Site of gene action in carcinogenesis.

Lipsett, M. B.; Engel, H. R.; and Bergensiel, D. M. Evidence for an action of glucagon unrelated to carbohydrate metabolism.

Mara, P. T.; Merler, E.; and Maury, P. Synthetic polysaccharides. IV. Preparation of carbonyl derivatives of polyglucose.


Van Scott, F. J. Evaluation of disturbed hair growth in alopecia areata and other olocies.}

N.H.I.


Brodie, B. B. Effects of chlorpromazine, reserpine and monoamine oxidase inhibitors on the cardiovascular system by interaction with central and peripheral neural humoral agents.

Chirigos, M. A., and Udenfriend, S. A simple fluorometric procedure for determining solfolic acid in biological tissues.

Shore, P. A. Biochemical studies on the mechanism of action of monoamine oxidase inhibitors.

Weiss, H.; Spiegel, H. E., and Titus, E. O. The isolation of an activator for phospholipase D.

N.A.I.D.


Crombleth, H. G.; Kasel, J. A.; and Uts, J. P. Respiratory illness in children simultaneously infected with hemadsorption virus (HA) type 1 and a newly recognized Hela enterovirus (HE).


Kushner, I. Effects of ACTH on plasma iron levels in normal human subjects.


Schade, A. L., and Steggle, J. M. Effect of phenylhydrazine on the siderophillin and iron levels in sera of rabbits.

Uts, J. P. Chronic aphthous stomatitis, herpes labialis and related conditions.
NIAMD


Briggs, G. M. Nutrition and diet: Folic acid studies in the mouse.

Blumberg, B. S.; Allison, A. C.; and Garry, B. The hemoglobins, hemoproteins and serum proteins of the Alaskan fur seal, ground squirrel and marmot.

Buskirk, E. R. Underwater weighing.

d. F. S. Science, technology, and health: A status report.

Fox, M. R. S., and Briggs, G. M. Effects of dietary lactose upon chicks fed a purified diet.

L. The kinetodynamics of red cell proliferation.

Smillie, J. C.; Grayzel, A. I.; and Liddle, L. Excessive uric acid production in the human induced by 2-ethylamino-k,3,4-thiadiazole.


Itano, H. A. Hemoglobin.

McGuire, J. S., and Tomkins, G. M. The multiplicity and specificity of A-3-ketosteroid hydroxylase (5α).


Seegmiller, J. E.; Grayzel, A. I.; and Liddle, L. Excessive uric acid production in the human induced by 2-ethylamino-k,3,4-thiadiazole.

Stohman, F., Jr. Observations on the kinetics of red cell proliferation.

NIH

Bobbitt, J. M. Observing remarks for the Conference on Graduate Education in Psychology.

Banderoff, W. Morphology of the aging nervous system.

Jerome, E. Age and learning - experimental studies.

Kety, S. S. The effects of drugs on the circulation and energy metabolism of the brain.

Kornetsky, C. Alteration in psychomotor functions produced by psychoactive drugs.

Kornetsky, C. Individual differences in response to the effects of psychoactive drugs.


R. F. Article One - Why do our children make us angry?


Shakow, D. How phylogenetically older parts of the brain relate to behavior: Some implications for psychology.

NINDS


Schmidt, J. R.; Gajdusek, D. C.; Schaef er, M., and Gorrie, R. N. Epidemic jungle fever among Okinawan colonists in the Bolivian Rain Forest. II. Isolation and characterization of uruma virus, a newly recognized human pathogen.

Wolf, M. K. Fluorescence and metachromasy of living tissue culture cells stained with acridine orange.

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NIH Spotlight

Mary Staples

A petite brunette with an intriguing Tidewater accent is R&W employee counselor, Mary Staples, who spends every Friday in Room 203, Building 16A.

Mary, employed by the NIH Recreation and Welfare Association, provides one of its varied welfare services—counseling NIH employees on family and personal (but not personnel, she cautions) problems. R&W offers this free counseling service between 9 and 5 each Friday. Appointments are made by telephoning extension 3597.

During the rest of the week, Mary is busy at the Child Center at Catholic University, where, as a faculty member, she supervises social work students and, as a member of a psychiatric team, works with children and their parents.

Mary, who has been employed by R&W since October, has found that employees use her services in various ways. For some, it is helpful just to find a person to talk with in confidence. For others, it is a matter of clarifying the problem and finding the appropriate community resource where they might get continuing help. "Many people feel better as soon as they've talked about their problems--a matter of getting it off their chests," she notes.

Employee problems, Mary has observed, can usually be classified as legal or financial problems or matters of personal adjustment. One trend she finds interesting is the increasing number of problems dealing with aging parents or relatives. "You medical people," she says, "are keeping people alive and healthy longer, and this is providing more and more areas for social workers to explore."

Now, after four years in Washington, Mary is planning to go home to South Carolina in August for a position with a county social service organization. "I hope, though," she remarks, "that NIH employees keep me busy on Fridays until then. And I'm sure that my replacement will enjoy NIH as much as I do."

Dr. Stetten Is Counselor

Dr. DeWitt Stetten, Jr., NIAMD, was recently appointed a counselor on the Advisory Committee of the McCollum-Pratt Institute, Johns Hopkins University, Baltimore.

DANNY THOMAS VISITS NIH

Dr. John R. Heller (left), NCI Director, and Danny Thomas, TV star, discuss Danny's interest in the problem of leukemia in children.
BAT RABIES WORKSHOP SCHEDULED FOR JULY

PHS specialists, experts from 26 States and Mexico, and members of two DRG study sections will meet July 10 and 11 in a panel workshop at NIH to assess the status of research in bat rabies.

The Tropical Medicine and Parasitology Study Section and the Virology and Rickettsiology Study Section will be hosts to the visitors. The two-day conference will attempt to ascertain gaps in current knowledge about bat rabies. The workshop will discuss technical difficulties involved in studying the subject, and will determine additional areas for study.

Dr. John J. Christian, of the Naval Medical Research Institute, Bethesda, will serve as chairman of the conference.

DR. MAY HONORED FOR ACHIEVEMENT

Dr. Everett L. May, of the Laboratory of Chemistry, NIAMD, received the "Alumnus of the Year" award on May 30 from Bridgewater College, Bridgewater, Va.

Dr. May was cited for his work in connection with the development of the new synthetic drug NIH 7519, announced last winter. He received his B.S. degree in chemistry at Bridgewater College in 1935.

Dr. O'Keefe Elected

Dr. Daniel L. O'Keefe, Chief of the Social Service Department, CC, has been elected chairman of the Psychiatric Social Work Section of the National Association of Social Workers. He will take office July 1.

'DCOSTEP' STUDENTS BEGIN SUMMER WORK HERE

One of 45 advanced medical science students receiving summer work experience under the PHS Commissioned Officer Student Training and Extern Program (COSTEP), Eleanor Uprichard is serving in Dr. John T. Tripp's Laboratory of Blood and Blood Products, DBS.

James H. LeVan, Jr., is in his second COSTEP summer at NIH. Mr. LeVan, a fourth-year student at the University of Pennsylvania School of Medicine, is working in NIAID's Laboratory of Clinical Investigations.

APPPOINTED LIBRARIAN

John J. Clopine, recently appointed NIH Librarian, (see story, p. 1)

DR. ALT JOINS DRS AS INSTRUMENT SHOP CHIEF

Dr. Frederick Alt, former chief of design with an electrical engineering consulting firm on the west coast, was appointed chief of the Instrument Section, Laboratory Aids Branch, DRS, on May 18.

A native of Vienna, Austria, Dr. Alt holds a Ph.D. degree in law and economics from the University of Vienna, and a B.S.E.E. degree from the Cooper Union Engineering College, New York.

DGMS Offices Move

Four DGMS offices moved June 1 from Stone House to Building T-18. The Center for Aging Research is now located in Room 114 of T-18, and the Senior Research Fellowships Selection Committee is in Room 118. The Postbachelor and Part-time Research Fellowships Committee and the Nursing Research Fellowships Selection Board are in Room 116. All telephone extensions remain the same.

DIRECTORY Contd.

Directory and Annual Bibliography, "National Institutes of Health, 1958," published this month by the Office of Research Information, OD, and Scientific Reports Branch, DRS.

The publication presents a directory of key personnel at NIH and all staff members with doctoral degrees, as of February 1958. The bibliography lists alphabetically, by Institute and laboratory, scientific and technical papers published by NIH scientists during 1958.