

NIH



record

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PUBLIC HEALTH SERVICE NATIONAL INSTITUTES OF HEALTH

CAN YOU SPARE THIS MUCH BLOOD?



By donating the amount of blood shown in the picture above, each NIH employee may become a member of the DBS Panel of Typed Donors. In addition, he will be supplied with a card listing his blood group, Rh type, and four other factors of his blood.

The Panel of Typed Donors, initiated three years ago, is utilized as a source of blood samples. These samples are used as standards to test blood grouping and Rh-typing serums submitted by licensed manufacturers before distribution to blood banks throughout the country.

DBS needs as many red cell types as possible. In addition to a determination of the major blood group, the Rh type is broken down into four factors, and a further series of tests identifies four other rare blood factors. This information will be valuable to the donor if he ever has need of a transfusion or wishes to donate blood in an emergency.

(See Blood Donors, Page 3)

TRELOAR NAMED CHIEF OF BRANCH IN DRG

Dr. Alan E. Treloar, one of the country's leading biostatisticians, has been appointed Chief of the Statistics and Analysis Branch, DRG. He assumed his new duties February 2.

Dr. Treloar served as Chairman of NIH's Public Health and Nursing Study Section and of its Public Health Research Study Section since 1953. In addition, he has been a consultant in biostatistics here for the past six years.

Before coming to NIH, Dr. Treloar spent three years as Director of Research for the American Hospital Association and Director of the Hospital Research and Educational Trust, in Chicago. For the preceding 27 years he was Research Associate in Biostatistics at the University of Minnesota. Prior to that, Dr. Treloar was a statistician

(See Dr. Treloar, Page 4)

DR. VESTERMARK CITED BY PSYCHIATRIC GROUP

Dr. Seymour D. Vestermark, retired chief of the Training Branch, NIMH, and one of the leading figures in psychiatry in the United States, has been awarded a special citation by the American Psychiatric Association for having "exerted, during his assignment, a greater influence in the field of psychiatric training than any other person."

"For a decade," the citation continues, "Dr. Vestermark has... stimulated markedly the undergraduate training of medical students in the field of psychiatry and the further development of psychiatric residency." He was praised for promoting the closer relationship of psychiatry with law, religion, and the basic sciences.

Since his assignment to NIMH in 1949, Dr. Vestermark initiated and administered the Institute's training program, which extended to the beginning of undergraduate and graduate education in psychiatry and to psychiatric nursing.

(See Dr. Vestermark, Page 4)



Dr. Seymour D. Vestermark

NIH Spotlight



Robert Stennis

A baker who is also a musician? Isn't that a little odd?

Not to Robert Stennis' way of thinking. He has been baking pastries and breads since he was in high school, and has been making music almost that long.

As chief baker in the CC cafeteria kitchen, Robert Stennis supervises a staff of six bakers all day long in Building 10. At night he takes charge of his own five-piece musical combo, playing club and night spot dates all around the Washington area.

The man in charge of the most pleasant-smelling place in all of NIH begins his day early--he arrives on the job around 6 a.m. "We prepare baked goods for patients as well as for employees," Robert explains. "And often this calls for two separate bakings of the same type of item; you see, we prepare a great deal of salt-free foods for some of the patients."

In addition to cafeteria delicacies, the shop also bakes to order. "We turn out a lot of birthday cakes," says Robert. "Usually we bake ten to twelve each week for patients."

As a boy in Mississippi, Robert Stennis learned his trade working after school for a baker. "Sometimes," he recalls, "the other boys used to poke fun at me because of home economics courses I took. They just couldn't understand that I liked to cook and bake." But Robert proved his mettle in football, baseball, and, eventually, in popular music.

Soon after graduation from high school, Robert was an Army mess sergeant in the combat areas of the South Pacific. Later, he baked at St. Elizabeths Hospital and at Mt.

Cancer Experts Meet Here

American and European cancer specialists, meeting here on January 22 and 23, agreed to cooperate in standardizing the collection of cancer data pertaining to the end results of treatment, and in comparing the incidence of cancer in various population groups.

Members of the End Results Evaluation Section of the Cancer Chemotherapy National Service Center met with scientists from Denmark, England, Finland, France, and Norway.

The group also discussed uniform vocabulary and definitions of terms to be used in reporting the survival experiences of cancer patients in various countries.

Dr. Michael Shimkin, NCI, was chairman of the conference. Other NCI scientists attending were Dr. John R. Heller, NCI Director; Dr. Harold F. Dorn, DRS; and William F. Haenszel, and Sidney J. Cutler--both of NCI.

HOLIDAY

In observance of Washington's Birthday, Monday, February 23, has been declared a legal holiday for Government employees.

Alto Veterans Hospital before coming to NIH. "I baked for the first meal we served when the CC cafeteria was opened, over five years ago," he notes.

From piano lessons in boyhood, Robert moved on to master the guitar. Since coming to Washington in 1946, he formed his own musical combo, and now specializes on the "bass." Music occupies almost all of his spare time, for, as he says, "Whenever we don't have a club date, we still get together to practice."

"Not long ago we cut a few tapes, and I'm hoping they'll sell some day. But even if that does happen, I know I'll keep on baking for a living. And I know I want to stay here at NIH."

To the man who provides those mounds of rolls, cakes, pies, baked custards, and other goodies stacked between the steamtable and coffee urn in the CC cafeteria, there is nothing at all odd about combining baking and music.

Publication Preview

The following manuscripts were received by the SRB Editorial Section between October 16 and October 29.

DBS

Eddy, B. E., and Stewart, S. E. Characteristics of the SE polyoma virus, a virus that induces malignant tumors in mice, hamsters and rats and benign growths in rabbits.

CC

Silvis, V. Collecting continuous urine specimens from infants.

NCI

Algire, G. H., and Moore, R. O. Passage of mouse leukemia cells out of diffusion chambers through pores of various sizes.

Andrews, H. L. Accelerators in biology and medicine.

Hueper, W. C. Carcinogenic studies on water soluble and insoluble macromolecules.

Joslin, E. P.; Lombard, H. L.; Burrows, R. E.; and Manning, M. D. Diabetes and cancer.

Malmgren, R. A., and Potter, J. F. Cancer cells in the circulating blood.

McClure, C. D., and Boucot, K. R. The solitary pulmonary nodule.

Shohl, J., and Schmidt, P. J. The relationship between plasma proteins and red cell sedimentation in a promethazine system.

Stewart, S. E., and Eddy, B. E. A review on the biological properties of SE polyoma virus.

Taylor, R. S.; Carroll, B. E.; Lloyd, M. A.; and Lloyd, J. W. Mortality among women in three Catholic religious orders with special reference to cancer.

Vander, J. B., and Johnson, H. A. Chronic lymphatic leukemia and multiple myeloma in the same patient.

NHI

Dawber, T. R.; Kannel, W. B.; Revotski, N.; Stokes, J. III; Kagan, A.; and Gordon, T. Some factors associated with the development of coronary heart disease: Six-years' followup experience in the Framingham Study.

Goodwin, S., and Horning, E. C. Alkaloids of *Lunasia amara* blanco. Structure of lunacrine.

Harrington, W. F.; von Hippel, P. H.; and Mihalyi, E. Proteolytic enzymes as probes of the secondary structure of fibrous proteins.

Korn, E. D. The isolation of heparin from mouse mast cell tumor.

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

Shore, P. A. A simple technique involving solvent extraction for the estimation of norepinephrine and epinephrine in tissues.

Sjoerdsma, A. Catecholamine metabolism in patients with pheochromocytoma.

Stephenson, J. L., and Smith, G. W. Vacuum drying rate of frozen biological material and its relation to specific surface.

NIAID

Andrews, J. M. Unraveling the viral diseases. Barban, S., and Schulze, H. O. Transamination reactions of mammalian cells in tissue culture.

Bozeboom, L. E., and Burgdorfer, W. Development of Colorado tick fever virus in the Rocky Mountain wood tick, *Dermacentor andersoni*.

Burch, T. A. Ecology of onchocerciasis. Chanock, R. M.; Vargosko, A.; Luckey, A.; Cook, M. K.; Kapikian, A. Z.; Reichelderfer, T.; and Parrott, R. Association of hemadsorption viruses with respiratory illness in childhood.

Dray, S., and Young, G. O. Two antigenically different γ -globulins in rabbits as revealed by isoprecipitins.

Ganham, P. C. C.; Jeffery, G. M.; and Young, M. D. The establishment of centers for the preservation of strains of malaria parasites.

Greenberg, M., and Huebner, R. J. Rickettsialpox, 1958.

Habel, K. The prevention of rabies in man. Herzenberg, L. A., and Herzenberg, L. A. Adaptation to lactose.

Jones, F. E.; Melton, M. L.; Lunde, M. N.; Eyles, D. E.; and Jacobs, L. Experimental toxoplasmosis in chickens.

Philip, C. B. Microtatabiotes and tick paralysis.

Philip, R. N.; Reinhard, K. R.; and Lackman, D. B. Observations on a mumps epidemic in a "virgin" population.

Taylor, D. J.; Rees, C. W.; Reardon, L. V.; and Wright, W. H. Studies of the virulence of monobacterial cultures of one strain of *Entamoeba histolytica* in the guinea pig.

Utz, J. P.; Treger, A.; McCullough, N. B.; and Emmons, C. W. Amphatericin B. Intravenous use in 21 patients with systemic fungal diseases.

NIAMD

Bates, R. W.; Garrison, M. M.; and Howard, T. B. Extraction of thyrotrophin from pituitary glands, mouse pituitary tumors, and blood plasma by percolation.

Bianchi, C. P., and Shanes, A. M. Calcium influx in skeletal muscle at rest, during activity, and during potassium contracture.

Buck, J. B., and McDermott, F. A. The lampyrid fireflies of Jamaica.

NIDR

Fullmer, H. M. Observations on the development of oxytalan fibers in the periodontium of man.

Greene, J. C. Epidemiology and indexing of periodontal disease.

NIMH

Axelrod, J. The metabolism of catechol amines *in vivo* and *in vitro*.

Cardon, P. V., Jr., and Gordon, R. S., Jr. Rapid increase of plasma unesterified fatty acids in man during fear.

Elkes, J., and Overholser, W. A note on the Saint Elizabeths - NIMH collaborative program.

McDonald, R. K.; Weise, V. K.; Evans, F. T.; and Patrick, R. W. Nutritional implications in mental illness.

Redl, F. What do we do when they make us mad?

Ryckoff, I. M.; Day, J.; and Wynne, L. C. The maintenance of stereotyped roles in the families of schizophrenics.

Weil-Malherbe, H. The fluorimetric estimation of catechol compounds by the ethylenediamine condensation method.

NINDB

Cole, K. S. Nervous system: Excitation and propagation of nerve.

Li, C. Synchronization of unit activity in the cerebral cortex.

Moore, J. W. Excitation of the squid axon membrane in isosmotic KCl.

Taylor, R. E. The effect of procaine on the electrical properties of the squid axon membrane.

NIH RECORD

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NIH CIVIL DEFENSE SPONSORS THREE-PART PLAN IN EVENT OF ATTACK OR NATURAL DISASTER

The three-fold Civil Defense program at NIH involves casualty care, emergency management under limited disaster situations, and protection of building occupants against an enemy attack.

To the Civil Defense Office here, these functions are known as "Operation Mercy," "Operation Disaster," and "Operation Protection."

In 1952, when atomic bombs were a chief threat, Operation Mercy called for the training of all personnel and the readying of all structures to handle bomb casualties from Northwest Washington and Montgomery County.

The development of the hydrogen bomb, however, forced CD officials here as well as in the rest of the nation, to consider a change in tactics. Coordinating with Montgomery County and District of Columbia authorities, NIH studied the possibility of conducting its casualty-care responsibilities at a more outlying area.

But in the meantime the advent of the ICBM forced NIH's CD office to alter its course once more. Again, new policy and procedure plans are being worked out to meet emergencies.

Today, Operation Mercy is an emergency medical program for the treatment of casualties caused by either local civil disasters or by enemy attack.

Operation Disaster was created in 1956. It is a plan to provide emergency direction of CD operations by an 11-man team known as the Disaster Control Group. In the event of a threatened or actual enemy attack or natural disaster, the group would assemble at a fully equipped control center where the

command of all organizations would be coordinated during the period that the disaster is declared to exist.

Operation Protection provides maximum protection for NIH personnel in any enemy attack. This program is maintained throughout the reservation by 350 CD wardens in 23 building groups under the direction of James B. Black, DBO, chief building warden.

Most of the building wardens have been trained in first aid and fire protection, and are scheduled to receive instruction in light rescue techniques.

NIH's Civil Defense warning siren is connected to the national warning system, which is operated by the Office of Civil Defense Mobilization. Routinely, the system will be tested again at 11:55 a.m. on the second Saturday in April, July, and October.

Throughout the reservation, warning horns are installed in all buildings. In the Clinical Center, CD signals are transmitted over the public address system.

When a "take cover" warning is sounded, all employees are warned to take the following action:

1. Shut down all utilities in the immediate office area.
2. Secure all hazardous materials in rooms.
3. Close office door and walk to the nearest shelter area.
4. Follow the instructions of the building CD warden.
5. Do not use elevators.
6. Move deep into the shelter area and allow a passageway.
7. Refrain from smoking to permit adequate ventilation.
8. Stand away from any glass paneling.

BLOOD DONORS Contd.

The panel has approximately 500 active members at this time. After the initial donation of 10 cc. of blood (about one-third of an ounce), each donor may be called at intervals ranging from one to ten times a year. For each donation thereafter, he will receive a minimum of \$2.00.

Application blanks for new panel members will soon be circulated to all employees.

Ben Goofin



RUSSIAN SCIENTIST IS NHI LAB VISITOR

Professor A. A. Vishnevski, cardiac surgeon and head of Moscow's Vishnevski Institute of Surgery, was a visitor to NHI January 26 and 27.

One of several Soviet scientists to have visited the Institute, Prof. Vishnevski was particularly interested in Dr. Andrew G. Morrow's Heart Surgery Branch. He also visited the NIH Library's Russian Scientific Translation Program.

In addition to his medical research activities, Prof. Vishnevski is a Major General in the Army of the USSR. He was one of a group of Russian visitors who toured the United States last month.

Other touring Russian scientists, members of exchange missions, are expected at NIH at a later date. Under an agreement between the two countries, the U. S. and the Soviet Union will exchange scientific teams this year in the fields of biochemistry, endocrinology, and metabolic diseases.

One such American mission, in neurology, returned from the USSR last month.

GRAY LADIES GRADUATE

Twenty-eight county women became Red Cross Gray Ladies of the Montgomery County Chapter at ceremonies held in the CC Auditorium February 4.

Participating in the ceremonies were Dr. Jack Masur, CC Director; Dr. Robert M. Farrier, CC Assistant Director; Dr. Kenneth Chapman, CC Associate Director; Rev. William R. Andrew and Fr. Francis Vieth, CC Chaplains; Mr. Willard Maginnis, Chief, CC Patient Activities Section; and Mrs. Charles P. Lukens, Montgomery County Gray Lady Chairman.

The new Gray Ladies, volunteers who provide personal services for hospitalized patients, will serve in various medical centers throughout the county.

DR. VESTERMARK Contd.

Together with his work in relating psychiatry to other social sciences, Dr. Vestermark, according to an associate, is one of the "outstanding figures in the history of psychiatry."

Before his retirement January 13, Dr. Vestermark, a Director in the PHS Commissioned Corps, served at Norfolk, Va., Denver, Colo., Ellis Island, N. Y., and Fort Worth, Tex.

NIH SCIENTIST TO AID ISLAND HEALTH STUDY

Dr. B. S. Blumberg, of the Arthritis and Rheumatism Branch, NIAMD, left February 15 for the Pacific with a scientific team organized by Brookhaven National Laboratory. The team will resurvey the health status of inhabitants of Rongelab Atoll, Marshall Islands.

The annual survey includes physical examinations and blood tests of islanders who had been subjected in the past to heavy radioactive fallout from nearby Eniwetok Atoll.

In 1957, Dr. J. E. Rall, chief of the Clinical Endocrinology Branch, NIAMD, was a member of the group.

DR. TRELOAR Contd.

and biostatistician at Columbia University and Johns Hopkins University.

An Australian by birth, Dr. Treloar is a graduate of the University of Sydney. He received his graduate degrees from the University of Minnesota.

Dr. Treloar's work will be concerned with continuing quantitative analyses and evaluations of all extramural research programs supported by NIH.

NEW PARKING SPACES TO BE CONSTRUCTED

An additional 232 parking spaces will be available to NIH employees within the next two months, according to Plant Safety Branch, DBO.

The new spaces are to be located as follows:

- East of Bg. 1 and west of Bg. 21 a parking lot for 100 cars will be constructed.

- On Service Road North, east of Bg. 12, an additional 17 spaces will be provided.

- Behind Bg. 20 a grass strip will be removed to add 25 spaces.

- East of Bg. T-19, off Stone House Rd., there will be 30 new spaces.

- The parking lot south of Bg. 10 will be expanded to accommodate 60 additional cars.

In addition, it has been recommended that parking lots for the new DBS and Dental buildings be constructed before completion of the buildings.

Plant Safety Branch recommends that car pools be formed whenever possible to help alleviate the parking problem.

SCIENTISTS TAUGHT IBM PROGRAMMING



Discussing the capabilities of the IBM 650 with DRS staff member J. H. Witmer (at right), are, from left, Dr. A. W. Pratt of NCI, and R. H. Thompson and Dr. N. E. Sharpless of NIAMD, recent graduates of a programming course taught in the Statistical Processing Section, DRS, in Bg. 12. By coding the IBM cards in a language similar to that of mathematics, the scientist is able to solve complex simultaneous equations, ordinarily requiring thousands of manual operations, in a matter of seconds.