

# NIH



# record

DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE

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PUBLIC HEALTH SERVICE  
NATIONAL INSTITUTES OF HEALTH

## Diamond Anniversary Of Civil Service Celebrated

The 75th anniversary of the signing of the Civil Service Act will be observed this year by Federal Government employees. A year-long campaign to bring the facts about Government career service and the merit system to the American people will mark the observance.

The theme, "Know Your Government," will be carried to persons all over the country by some 200 committees of Federal employees, and by major civic and business groups. Activities planned by committees include special programs in all major cities, Government open houses and exhibits, and radio and TV programs.

On January 16, the actual anniversary day, both the House of Representatives and the Senate passed resolutions reaffirming the faith of Congress in the merit system. A Civil Service Banquet, the largest ever held, marked the start of the campaign.

## Tropical Disease Lab To Open In Canal Zone

A field station in the Panama Canal Zone has been established by NIAID investigators in cooperation with the military services to study health problems of tropical and semitropical areas.

The field study, known as the Middle America Research Unit, will be directed by Dr. Alexis Shelokov of the NIAID Laboratory of Tropical Diseases.

The Unit was authorized last year by an agreement between DHEW, the Department of the Army, and the Governor of the Panama Canal Zone. Walter Reed Army Institute of Research will contribute professional personnel to the laboratory.

(See Tropical Lab, Page 4)

## DRS. UDENFRIEND, JENSEN CITED FOR RESEARCH



Dr. Keith Jensen



Dr. Sidney Udenfriend

Two PHS scientists are among a select group of young men honored by the Junior Chamber of Commerce for outstanding professional accomplishments and leadership.

Dr. Sidney Udenfriend, Chief of the NHI Laboratory of Clinical Biochemistry, is one of 10 young men in the Federal Government selected by the D. C. Junior Chamber of Commerce to receive the Arthur S. Flemming Award. Also cited was Dr. Keith Jensen, Director of the PHS Respiratory Disease Unit, Montgomery, Ala., who was honored by the U. S. Junior Chamber of Commerce as one of the 10 outstanding young men in the country.

Dr. Udenfriend's original and extensive research achievements have been recognized and applied throughout the world. He has successfully associated basic and clinical research in a variety of biochemical studies on serotonin, radioactive tracer elements, adrenaline and non-adrenaline metabolism, and phenylalanine.

The Flemming awards will be presented at a luncheon February 20 at the Statler Hotel, Washington, D. C.

Dr. Jensen, an eminent microbiologist, was recognized for his recent work on a vaccine to combat Asian influenza. He is the director of the WHO Influenza Center for the Americas. The Respiratory Disease Unit headed by Dr. Jensen is a branch of the PHS Communicable Disease Center.

Dr. Jensen received his award at a ceremony January 18 in Phoenix, Ariz.

## Income Tax Assistance To Be Available Here

Limited assistance in the preparation of income tax forms will be available to NIH employees beginning February 11. Assistance may be obtained from Mildred Dougherty, Margaret Eurich, and Carolyn Evans in Bldg. 1, Room 21-A, from 12:30 p.m. through 3 p.m., on all workdays.

Barbara White may be consulted from 8:30 a.m. to 5 p.m. in Bldg. 10, Room 1S-228, and Dorothy Wipf will assist employees from 10 a.m. to 3 p.m., in Bldg. 1, Room 21-A.

# Distilled Water System Improved In Clinical Center



Harry Stierli (left), Sanitary Engineering Branch, DRS, explains the operation of the purity control system on the newly installed distilled water equipment to Gerald Duvall, Plant Engineering Branch, DRS.

To meet the needs of the increasing demands on the distilled water system in the Clinical Center, two stills of the latest design and one storage tank have been added and the old equipment improved.

Formerly, the system consisted of four stills that produced a total of 200 gallons an hour and four storage tanks with a combined storage capacity of 2,000 gallons. Installation of the new equipment increased production capacity to 300 gallons an hour and storage capacity to 2,500 gallons.

An important feature of the new system is an automatic purity control for each of the six stills. These controls will help to maintain a higher quality of distilled water than was possible with the former system. Weekly quality reports are available from the Sanitary Engineering Branch.

Despite the additional capacity for producing distilled water, increasing demands require its economical use. To prevent overloading of the facilities, additional faucets will not be installed at this time.

To conserve further this essential utility, it is requested that the following rules be observed:

1. Use distilled water sparingly.
2. Rinse laboratory glassware with distilled water only when necessary, and then only as a final rinse.

## Publication Preview

The following manuscripts were received by the SRB Editorial Section between November 15 and November 29.

### CC

Bartter, F., and Biglieri, E. G. Primary aldosteronism: Clinical staff conference at the National Institutes of Health.

### DBS

Crawford, J. G. Viability of monkey kidney tissue cultures stored at 5°C.

### NCI

Andrews, J. R. Medical radiation hazards and the responsibilities of the medical profession.

Eddy, B. E.; Stewart, S. E.; Young, R.; and Miller, G. B. Neoplasms in hamsters induced by mouse tumor agent passed in tissue culture.

Evans, V. J.; Fioramonti, M. C.; Sanford, K. K.; Earle, W. R., and Westfall, B. B. The effect of amino acid mixtures on the proliferation of the long term strain 2071 of NCTC clone 929 of strain L cells.

Fitzgerald, D. B.; Hartwell, J. L.; and Leiter, J. Tumor damaging activity in plant families showing antimalarial activity. Anaryllidaceae.

Forkner, C. E., Jr.; Frei, E.; Edgcomb, J. H.; and Utz, J. P. Pseudomonas septicemia (Observations on 23 cases).

Kilham, L. Fibromyoma virus transformations in different types of tissue culture.

Kramer, W. M.; Eck, R. V.; and Smith, R. R. Prevention of local tumor implantation with triethylentriphosphoramide (thio-TEPA).

Law, L. W., and Potter, M. The post-radiation influence in induction of lymphocytic neoplasms in mice.

Loo, T. L., and Michael, M. E. A colorimetric method for the determination of certain purine antagonists.

Schrecker, A. W., and Trail, M. M. Methyl desoxydopophyllate and its methyl ether.

Ship, A. G.; Schatten, W. E.; Watkin, D. M.; and Romine, M. Effects of pantothenic acid deficient diets in patients with carcinomas.

Weisburger, E. K., and Weisburger, J. H. Chemistry, carcinogenicity and metabolism of 2-fluoroenamine and related compounds.

### NHI

Berliner, R. W. Sections on hyponatremia and hypokalemia.

Berliner, R. W. Renal transport of electrolytes.

Bragdon, J. H., and Gordon, R. S., Jr. Tissue distribution of  $\text{C}^{14}$  after the intravenous injection of labelled chylomicrons and unesterified fatty acids in the rat.

Davidoff, M. D.; Green, D.; and Kirby, E. The estimation of verbal test item difficulty.

Fredrickson, D. S.; Peterson, R. E.; and Steinberg, D. Inhibition of adrenocortical steroid secretion by  $\Delta^4$ -cholesteneone.

Fredrickson, D. S., and Gordon, R. S., Jr. Metabolism of albumin-bound labelled fatty acids in man.

Gordon, T. Notes on the epidemiology of heart disease.

Hunt, G. H. Research in aging -- activities of the Federal Government.

Rodbell, M. N-terminal amino acid and lipid composition of lipoproteins from chyle and plasma.

Sjoerdma, A.; King, W. B.; Leeper, L. C.; and Udenfriend, S. Demonstration of the 3-methoxy analogue of norepinephrine in man.

### NIARD

Haas, V. H. When Bubonic plague came to Chinatown.

### NIH RECORD

#### Published by

Scientific Reports Branch  
Division of Research Services  
National Institutes of Health  
Room 212, Building 8  
Bethesda 14, Maryland

OLIVER 6-4000 Ext. 2125

Halonen, P.; Huebner, R. J.; and Turner, H. C. Preparation of ECHO complement-fixing antigens in monkey kidney tissue culture and their purification by fluorocarbon.

Halonen, P.; Rosen, L.; and Huebner, R. J. Typing of ECHO viruses by a complement fixation technique.

Huebner, R. J. Coxsackie and ECHO viral infections.

#### NIAMD

Brackett, F. S., and Hollaender, A. Remarks on the significance of action spectra.

Brecher, G.; Cronkite, E. P.; Bond, V. P., and Dutcher, T. F. Problems of leucocyte transfusions.

Croissant, O.; Lepine, P.; and Wyckoff, R. W. G. Sur le développement du virus vaccinal.

Ginsburg, V. Purification of UDPG pyrophosphorylase from mung bean seedlings.

Hiatt, H. H.; Goldstein, M.; and Tabor, H. Urinary excretion of formiminoglutamic acid by human subjects after antifolic acid therapy.

Mehler, A. H.; McDaniel, E. G.; and Hundley, J. Changes in enzymatic composition of liver. I. Increase of picolinic carboxylase in diabetes.

Mehler, A. H.; McDaniel, E. G.; and Hundley, J. Changes in the enzymatic composition of liver. II. Influence of hormones on picolinic carboxylase and tryptophan peroxidase.

Shanes, A. M. Electrochemical aspects of physiological and pharmacological action in excitable cells. I. The resting cell and its alteration by extrinsic factors.

Shanes, A. M. Some aspects of myelin in nerve trunks.

Shulman, N. R. Immunoreactions involving platelets. I. A steric and kinetic model for formation of a complex from a human antibody, quinidine as a hapten, and platelets, and for fixation of complement by the complex.

Shulman, N. R. Immunoreactions involving platelets. III. Quantitative aspects of platelet agglutination, inhibition of clot retraction, and other reaction caused by the antibody of quinidine purpura.

Shulman, N. R. Immunoreactions involving platelets. IV. Studies on the pathogenesis of thrombocytopenia in drug purpura using test doses of quinidine in sensitized individuals. Their implications in idiopathic thrombocytopenic purpura.

Stetten, D., Jr. Introduction of deficiency diseases.

Tabor, H., and Wyngarden, L. A method for the determination of formiminoglutamic acid in urine.

#### NIDR

Duffy, J. H., and Driscoll, E. J. Oral manifestations of leukemia.

Dyson, H. R.; Witkop, C. J.; and Butters, S. S. Genetics in public health nursing.

Forscher, B. K., and Cecil, H. C. Biochemical studies on acute inflammation. IV. The effect of age.

Kreshover, S. J. Congenital dental defects.

McCann, H. G., and Fath, E. H. Phosphate exchange in hydroxyapatite, enamel, dentin, and bone. Parts I and II.

Rogosa, M.; Disraeli, M. N.; and Johansen, E. Species differentiation of lactobacilli from the hamster.

Shiota, T., and Kunkel, M. F., Jr. In vitro chemical and bacterial changes in saliva.

#### NIMH

Axelrod, J.; Senoh, S.; and Witkop, B. Synthesis and identification of new catechol amine metabolites.

Schaefer, E. S.; Bell, R. Q.; and Bayley, N. Development of a maternal behavior research instrument.

#### NINDB

Imus, H. A. Research in speech and hearing. Laskowski, E. J.; Garry, B. J.; and Klatzo, I. Observations on the effects of hypothermia in experimental brain lesions.

## NEWS BRIEFS

College students majoring in engineering in the U. S. and Territories increased by 20,000 last fall, according to an annual survey conducted by the Office of Education and the American Society for Engineering Education. The number of students taking engineering majors has increased by 131,440 since the survey was started in 1949.

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Marvin A. Schneiderman, Head, Section on Therapeutic Trial, Cancer Chemotherapy National Service Center, has been named chairman-elect of the Biometric Section, American Statistical Association for 1959. He is now serving on the Association's governing council.

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Dr. H. van Zile Hyde, Chief of the Division of International Health, BSS, spent three weeks at WHO meetings in Geneva, Switzerland, last month. He was recently re-appointed U. S. representative on the WHO Executive Board.

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The January Guard-of-the-Month, Pfc. Edward Croughan, was selected for this honor for his alertness in discovering and reporting several safes left open here after working hours.

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Cited by Skidmore College for contributions to cancer nursing, Rosalie I. Peterson, Head of the Nursing Section, NCI Field Investigations and Demonstrations Branch, was one of three persons who received citations at the College's recent capping ceremonies.

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Air pollution in urban areas will be the subject of a national conference to be held in Washington, D. C., next fall. The conference was called by Surgeon General Burney to pool available knowledge in this area and to assess a PHS State-aid program to combat air pollution.

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Thomas A. Foster, Assistant Chief, Emergency Plans and Requirements Staff, Office of the Surgeon General, has been assigned to the Office of Defense Mobilization as Health Supply Specialist, Production Areas.

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Former NIH Associate Director Norman H. Topping, now vice president for medical affairs at the University of Pennsylvania, recently announced a grants plan to develop

## TWO EMPLOYEES RETIRE

Alda P. Bain, Editorial Clerk in the Cancer Reports Section, NCI, and Thomas J. Smith, Construction Engineer, Plant Engineering Branch, DRS, retired January 31 after many years of Government service.

A Federal employee since 1938, Miss Bain has been employed in the Cancer Institute for 10 years. Before coming to NIH, she held clerical and editorial positions in the Federal Security Agency, the Department of Agriculture, and the Bureau of the Census. A native of Pennsylvania, Miss Bain taught in junior and senior high schools there.

Thomas J. Smith came to NIH three years ago from the Public Housing Administration. During 22 years of Government service he was employed successively as an electrician, a maintenance engineer, and a construction engineer, and was associated with the Federal Public Housing Authority and the Federal Works Agency. A member of the American Legion, he served in the U. S. Army during World War I.

## Physics Course To Begin

A 12-week course in elementary physics, to begin this February 14, is the second in a series of on-the-job training programs sponsored by the Instrument Section, DRS. Biweekly classes will be conducted by George I. Johnston, electrical engineer in the Instrument Section.

A limited number of interested persons who are at least high school graduates may enroll. For further information call Ext. 3577.

## Lecture To Be Held On Russian Translations

Federal programs for the translation of Russian scientific literature will be the subject of a lecture here Tuesday, February 11, at 1:30 p.m., in Wilson Hall.

Scott Adams, Librarian in the Scientific Reports Branch, DRS, will describe translation programs at NIH and elsewhere, and the problems that exist in making translated Russian literature available to American scientists.

Scientists in medical research. Intended primarily for the University's graduate students, the program will be supported by philanthropy.

## **Plaque Honoring PHS To Be Placed In NCI Hagerstown Laboratory**

A marble plaque honoring PHS officers and staff who have served in Washington County, Md., will be placed in NCI's environmental cancer research laboratory, now under construction in Hagerstown.

The plaque was donated by the county in appreciation of PHS health research activities in that area since 1922. The laboratory, to be completed this spring, will be used for studies on the relationship of cancer to soil, water, and other environmental factors.

## **New Books On Aging**

Dr. Nathan W. Shock, Chief of the Section on Gerontology, NIH, is the author of two important books on aging recently published by the Stanford University Press.

"A Classified Bibliography of Gerontology and Geriatrics, Supplement One 1949-1955" contains 15,983 items and is a continuation of Dr. Shock's original bibliography, which covered the period 1900-1948. A completely revised edition of "Trends in Gerontology," first published in 1951, outlines gerontological programs and research in the U. S. and in Europe.

A member of the NIH staff since 1941, Dr. Shock is a recognized authority in the field of gerontology. A recipient of many honors, he was recently elected a Fellow of the New York Academy of Sciences.

## **TROPICAL LAB Contd.**

Studies are expected to be coordinated with the Gorgas Memorial Laboratory in the Republic of Panama.

Middle America was selected as the site of the laboratory because of the prevalence of arboviral infections. These viruses, which cause several types of encephalitis, constitute a serious threat to public health throughout the Western Hemisphere.

Special attention will be given to yellow fever and other arthropod-borne virus infections. Diseases affecting U. S. military forces in the tropics will also be investigated.

Alterations on temporary facilities are now under way, and research studies are expected to begin in the near future.

## **EDITORIAL SECTION, DRS, FACILITATES PUBLICATION**

The Editorial Section, DRS, is responsible for processing and obtaining necessary clearances for all papers prepared at NIH for publication or oral presentation.

Last year the Editorial Section, on behalf of the NIH Director, cleared and recorded over 1,900 scientific papers and abstracts.

An author who wishes to publish or present a paper must first have the manuscript reviewed by the Editorial Committee of his Institute or Division. The paper is then forwarded to the Editorial Section, DRS, with the recommendation of the Institute Director or Division Chief.

Two requests for approval, showing clearances, should accompany the manuscript. The Editorial Section requires three copies of each paper or abstract. One copy is then sent to the PHS Information Office, one is kept in the Section's file, and the original is returned to the author upon approval.

Editorial assistance is available from Section personnel on request. Records of all published and unpublished material are kept, and daily and annual listings of NIH publications are issued.

## **OBITUARIES**

Wilbert F. Marlow, Assistant Chief of the Electrical Engineering Section, DRS, died suddenly of a heart attack January 26 at the National Naval Medical Center, Bethesda.

An NIH employee since 1948, Mr. Marlow was responsible for the operation and maintenance of all electrical equipment on the NIH reservation. For the past few months, he had been Acting Chief of the Electrical Engineering Section.

Mr. Marlow spent 20 years in the U. S. Navy before coming to NIH. He is survived by two sons, Kyle F., and Bruce W.; a brother, Clarence E. Marlow; and three half-brothers, Wayne, Leon, and John Stout.

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William Gordon, laborer in the CC Housekeeping Section, died January 18 at his home in Washington, D. C. Mr. Gordon had been an NIH employee since 1953. He is survived by his wife, Goldie, and a daughter, Barbara Ann.

## **Bloodmobile Visits**

Over 100 employees donated blood January 23, when the Red Cross Bloodmobile came to NIH. The Bloodmobile's next visit is scheduled for August.

## **DR. BAKER GIVES NIH LECTURE JAN. 22**



Dr. W.O. Baker (center), who presented the NIH Lecture on January 22, poses prior to the lecture with DHEW Under Secretary John A. Perkins (left) and NIH Director James A. Shannon. Dr. Baker, vice president in charge of research at the Bell Telephone Laboratories, spoke on the communication theory.