



## Operation Alert



The NIH Disaster Control Group shown at the NIH Control Center during Operation Alert. This group will be activated in the event of any emergency. Pictured (far left and reading clockwise) are Clarence W. May, R. H. Henschel, Albert F. Siepert, Chris A. Hansen, James B. Black, Grant C. Riggle, Donald L. Snow, Walter S. Cool, George P. Morse, Donald B. Tower, and Dr. John M. Lynch.

## \$25,000 IN SAVINGS BY SUGGESTIONS DURING FISCAL 1956

By the end of fiscal year 1956, NIH employees had received cash awards totaling nearly \$13,000 which resulted in savings of approximately \$25,000 for NIH. The 47 awards, some of which were group awards, went to 102 employees. Since January of this year, 28 awards have been made, bringing cash benefits to 71 people.

The most recent cash awards, in the amount of \$625, went to Lawrence Northcutt and Edward Osborn, both of Plant Engineering Branch, and Philip W. David, NCI.

(See Savings, Page 4)

## NIH DONATES SITE FOR NEW FIRE HOUSE

The National Institutes of Health is conveying 25,000 feet of land to the Bethesda Fire Department, Inc. The land is to be used for a secondary fire station located at Old Georgetown Road and Cedar Lane.

The agreement between the Federal Government and the Bethesda Fire Department was signed on July 11 by Dr. Leonard A. Scheele, Surgeon General, and James W. Cummings, President of the Bethesda Fire Department. This culminated negotiations begun six years ago after approval by the Montgomery County Council.

(See Fire House, Page 4)

## DISASTER PLAN WORKS SMOOTHLY IN NIH ALERT

A steady blast on a siren signalled the opening of "Operation Alert" at 11:08 a.m., July 20, as NIH joined in a six-day Government-wide test of mobilization readiness.

For most NIH personnel, it was a business as usual day. For an already assigned and briefed key group, however, the alarm signalled immediate action.

Throughout the reservation, members of this group left their desks to report to disaster stations. Messengers took up positions in the 13-board Telephone Room. A dispatcher and his staff set up for the swift routing of messages. The communications officer established radio contact with Montgomery County Civil Defense units, and checked out receiving and transmission from NIH two-way radio cars already moving to predesignated locations.

In the Control Center in Building 10, the Disaster Control Group assembled, ready to assume the responsibilities of decision and direction in an emergency.

Meanwhile, radio-equipped cars sped NIH administrative personnel to the principal Departmental relocation site, SPARK.

To simulate reality, all communications between NIH and SPARK were held by radio, with all messages channelled through the Communications group in the Control Center.

Signal strength and clarity of nine key radio transmitting and receiving stations were monitored and logged. Included were the cars of Dr. J. A. Shannon, NIH Director; Dr. C. J. Van Slyke, Associate Director; A. F. Siepert, NIH Executive Officer; and

(See Alert, Page 2)

## ALERT Cont'd.

the mobile unit assigned to Headquarters SPARK. Remaining stations were SPARK 1, 2, 3, and 4, and a unit stationed 12 miles from NIH.

On Monday and Tuesday of last week, NIH Control Center telephones were reserved for additional testing of the communications network. Further, all news releases for HEW, PHS, and NIH were transmitted through SPARK, in a realistic dry run of information control in a disaster situation.

George P. Morse, Plant Safety Branch chief who is also Disaster Planning Coordinator here, explains that the Departmental disaster control plan serves a dual purpose. It is built along civil defense lines, but is also designed to handle any and all types of emergency. The plan received a thorough checkout during Operation Alert, which ended at 5 p.m., July 25.

## Dr. Scow Returns From Argentina

Dr. Robert O. Scow, of NIAMD's Laboratory of Nutrition and Endocrinology, recently returned from a year-and-a-half stay in Buenos Aires, Argentina, where he had been working on research in experimental diabetes.

While there, Dr. Scow was associated with Nobel Prize winner, Dr. Bernardo Houssay, at the Instituto Biología y Medicina Experimental. Dr. Scow was appointed as Schering Scholar of the Endocrine Society for 1955 and also received a John Simon Guggenheim Memorial Foundation fellowship which enabled him to carry on the studies in South America.

## N. I. H. RECORD

Published by  
Scientific Reports Branch  
National Institutes of Health  
Room 212, Building 8  
Bethesda 14, Maryland

OLiver 6-4000

Ext. 2125



NIH Director James A. Shannon in radio contact with SPARK.

## SCIENCE TEACHERS STUDY AT NIH DURING SUMMER

Thirteen science teachers from various parts of the United States began a six-week tour of duty at the National Institutes of Health on July 1 as part of a project combining education and practical experience.

The program is under the auspices of American University and is being given National Science Foundation support. About 40 teachers in all were selected to participate in seminars and receive academic training at AU in the mornings, and in the afternoons to work in various governmental laboratories, including NIH.

The program is designed to stimulate interest and increase competence in the teaching of science on a high school level.

NIH scientists who are cooperating in this program are Doctors C. F. Anfinsen, R. L. Bowman, and Frank W. Noble, NHI; Marian Kies and Julius Axelrod, NIMH; Everette L. May, Koloman Laki, John B. Buck, Urner Liddel, NIAMD; and Howard Bond, Howard Andervont, Glenn Algire, NCI. The fields being covered are enzyme chemistry, technical development in physical and chemical instrumentation, biology, biochemistry, chemistry, and physics.

## Publication Preview

The following manuscripts were received by SRB Editorial Section between July 10 and July 19.

Bates, R. W., et al. An improved assay method for thyrotraphin using depletion of  $^{131}$  from the thyroid of day-old chicks.

Bailey, P., et al. Neurologic rehabilitation.

Bassett, C. A. L., et al. The cytotoxic activity of rabbit immune globulin prepared from tissue cultures of human skin and whole human placenta.

Bradley, D. F., et al. The fractionation of ribonucleic acids on ecteola-cellulose anion exchangers.

Buck, J. B. The triggering of the insect spiracular valve action.

Cammermeyer, J., et al. Histological distribution of alkaline glycerophosphatases in the macaque brain following cobalt irradiation.

Day, J. The role and reaction of the psychiatrist in LSD therapy.

Dorn, H. F. Cancer mortality trends in the United States of America.

Falzone, J. A., Jr., et al. Physiological limitations and age.

Greenberg, J., et al. Parasitemia and survival in inbred strains of mice infected with *Plasmodium berghei*.

Greenberg, J., et al. Some characteristics of *Plasmodium berghei* passed within inbred strains of mice.

Haenszel, W., et al. Case registers and other statistical approaches to the study of cancer.

Hagan, S. N., et al. The effect of fasting on muscle proteins and fat in young rats of different ages.

Heftmann, E. An introduction to the theory of partition chromatography.

Heller, J. R. Cancer registers.

Hogeboom, G. H., et al. Recent approaches to the cytochemical study of mammalian tissues.

Hueper, W. C. The significance of environmental cancer hazards to local health departments.

Kelman, H. C., et al. Interrelations among three criteria of improvement in group therapy: comfort, effectiveness, and self-awareness.

Lombardo, T. A., et al. Mycotic endocarditis: a review and report of a case due to *Cryptococcus neoformans*.

Maver, M. E., et al. The purification and properties of deoxyribonuclease and ribonuclease from normal and neoplastic tissues.

Mickelsen, O. Is toxicology enough?

Olivier, L. J. Snail population sampling.

Otani, T. T., et al.  $\alpha$ -amide and  $\alpha$ -amino acid derivatives of 1-ketoglutaric and oxaloacetic acids.

Philip, C. B. Some epidemiological considerations in Rocky Mountain spotted fever.

Phillips, B. P. Parasitological survey of LOBUND germ-free animals.

Pittman, J. A., et al. Spectrophotometric estimation of amphenone in biologic material and its absorption and excretion in man.

Reid, M. E. Nutritional requirements of the guinea pig.

Rich, A. The structure of synthetic polyribonucleotides and the spontaneous formation of a new two stranded helical molecule.

Sato, H., et al. Effect of nitroamin on mitosis and cytoplasmic volume in the cells of two mouse ascites tumors.

Scher, J. M. Contextual bounds and bypass communication: a problem in the sociology of interdisciplinary research.

Shacter, B., et al. Influence of amethopterin on tumor growth and liver glutathione levels of mice bearing lymphocytic leukemias.

Stewart, H. L. Conference on cancer of the stomach.

von Brand, T. Collaboration between basic and medical sciences.

Wagner, H. N., Jr., et al. The pressor effect of the antidiuretic principle of the posterior pituitary in orthostatic hypotension.

Waravdekar, V. S., et al. Synthesis of diphosphopyridine nucleotide by the livers of mice bearing transplantable tumors.

Witkop, B. The application of Hudson's lactone rule to gamma- and delta-hydroxy-amino acids and the question of the configuration of 8-hydroxy-L-lysine from collagen.

Zubrod, C. Experimental design in clinical trials of anti-tumor drugs.

## Dr. William Nes Returns From Europe

Dr. William R. Nes, Section on Steroids, LC, NIAMD, recently returned from a 13-month tour in Europe, where he spent 11 months at the Institute of Experimental Cancer Research, University of Heidelberg, Germany.

While there, he collaborated in a research program on the metabolism of steroids with Professor Hans Lettre. Research was carried out on the synthesis of colchicine derivatives which were examined for their effect against tumor cells.

Dr. Nes also spent two months at the University of Wales, working on the steroid structure.

### LOST AND FOUND



The following articles have been found on the NIH reservation and may be seen in the Guard Office, Room 1A-06, Building 10.

Bracelets	Men's cuff links
Child's handbag	Men's wrist-watches
Crucifix	
Earrings	Man's ring
Eyeglasses	Pens
Key case and keys	Pipe
Keys	Raincoats
Ladies' gloves	Rosary
Ladies' sweaters	Sunglasses
Ladies' handbags	Tobacco pouch
Hatchet	Umbrellas
Insignia pins	

## NIH Spotlight



Robert D. Dettman

When the Animal Production Section received an order for a three-foot live alligator, it might have caused surprise to most people. But Robert D. Dettman is so used to requests for odd creatures that he merely reaches for his catalog and checks on how and where the animal, reptile, or fowl can be found. If it is an authorized "item," Bob immediately puts in a request so that it may be obtained.

Bob, who is a Supervisor in the Animal Production Section, Laboratory Aids Branch, joined NIH in 1949 after a varied career in the U. S. Navy.

Joining the military service in 1942, Bob was first assigned to the National Naval Medical Center and was then sent to a small dispensary at a supply depot at Exeter, England. After a tour of duty there, he served on several small ships in the Atlantic area in the flag unit of the Commanders Service Atlantic Fleet Force. He then returned to the Naval Hospital in Bethesda and was discharged in 1949 with the rate of Chief Hospital Mate.

Shortly after he left the Navy, Bob came to NIH as a Clerk Typist in the Laboratory Aids Branch. As a part of his training, he was assigned two days at a time to the various sections - glass washing, media, instrument, and animal. In 1951 he was promoted to Secretary Typist and later became Production Supervisor.

In his present capacity he handles all orders on animals, advises the scientists of the availability of animals, and maintains inventories.

## DR. SANFORD PALAY ASSIGNED TO NINDB

Dr. Sanford L. Palay, formerly Associate Professor in the Department of Anatomy, Yale University, recently reported for duty as Chief, Section on Neurocytology, Laboratory of Neuroanatomical Sciences, NINDB.

Dr. Palay is a native of Cleveland, Ohio, and received his B.A. from Oberlin College, Oberlin, Ohio, and was graduated from the Western Reserve University School of Medicine, Cleveland, with an M.D. He interned at the New Haven Hospital, New Haven, Connecticut, and was a resident physician at the University Hospitals, Cleveland.

In 1948 he received a National Research Council Fellowship at Rockefeller Institute for Medical Research, New York City, and in 1949 joined Yale University as Instructor of Anatomy.

PAY-BY-MAIL  
ENVELOPES  
NOW AVAILABLE AT  
YOUR CREDIT UNION

Bob is a person whose main interest is in his work. In fact, he likes his work so well that he seldom takes more than a day or two off at a time. As for traveling, Bob says, "I don't care about it at all. I had enough traveling when I was in the Navy. I prefer to spend my time off just sitting around at home."

For relaxation Bob does some reading and enjoys listening to classical music. He is also fond of swimming but prefers the fresh water to salt. His home life centers around his wife, Jeanette, a former Navy Nurse, and his two children, Gail, six, and Dale, three.

Bob might be considered a "natural" for handling animals, for he was born and raised on a farm near Imperial, Nebraska, where he attended public schools. Prior to his Navy career, he had only left the old homestead once to attend a business college in Denver, Colorado. One of Bob's goals is to return to his farm in the heart of the Midwest after he retires and just settle down and live the life of a farmer.

## VISITING SCIENTISTS JOIN NINDB STAFFS

During July, four visiting scientists joined NINDB staffs. Appointed were Dr. Susumu Hagiwara of Japan; Dr. Marisa I. R. Ramirez de Arellano, Puerto Rico, and Drs. Alexander N. Doudoumopoulos and Jose Humberto Mateos of Georgetown University, Washington, D. C.

Dr. Hagiwara, Associate Professor of Physiology, Tokyo Medical and Dental University, and Research Fellow of the Rockefeller Institute, has accepted a one-year appointment to the Laboratory of Neurophysiology. He will collaborate with Dr. Ichigi Tasaki in studies on special senses. Dr. Hagiwara has had wide experience in microelectrode studies on the central nervous system of the lower animals.

Assigned as a Research Associate in the Laboratory of Neuroanatomical Sciences is Dr. Marisa I. R. Ramirez de Arellano, neurologist

and electroencephalographer at the V. A. Center, San Juan, Puerto Rico. Upon completion of a six months' appointment here, she will return to the School of Medicine, University of Puerto Rico in San Juan, to continue work in the NINDB collaborative field research project on primates carried out there.

Beginning a one-year appointment as a Research Associate is Dr. Alexander N. Doudoumopoulos, former Chief Resident in Neurology at Georgetown University. He is assigned in neurophysiology, working with Dr. Paul Chatfield.

Dr. Jose Humberto Mateos, Chief Resident in Neurosurgery at Georgetown University, has joined the NINDB branches of Surgical Neurology and Electroencephalography as a Research Associate. Initially assigned in the EEG Laboratory, he is working with Dr. Ajmone-Marsan.

## FIRE HOUSE Cont'd.

The fire station will be a two-story colonial-type building of brick with limestone trim, designed to harmonize with NIH buildings.

Dr. James A. Shannon, NIH Director, praised the fine spirit of cooperation between a Federal agency and a local community, and pointed out that though NIH has its own 24-hour-duty fire squad, the new station will assure quick assistance in the event of a major fire. He said that it will also provide ready protection to an important segment of the community at large.

The new fire station will supplement the department's 31-year-old engine house on Old Georgetown Road, just off Wisconsin Avenue.

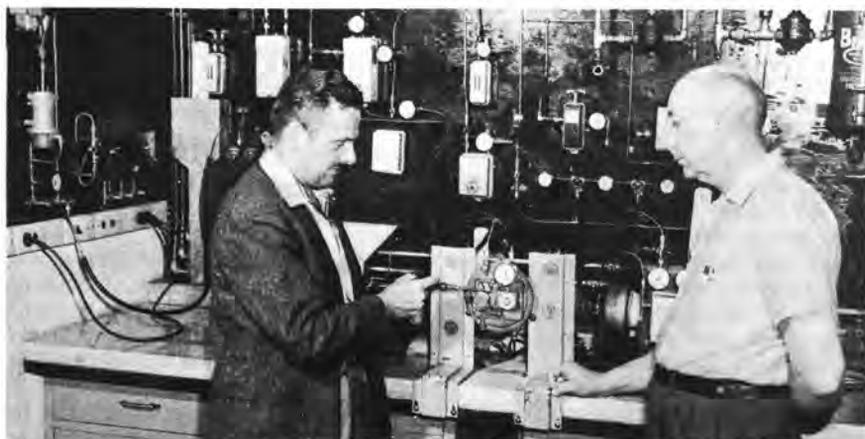
Reciprocal arrangements will be made for the NIH equipment to perform as "standby reserve" for the Bethesda Fire Department in the event of a major community fire.

## SAVINGS Cont'd.

Mr. Northcutt received an award of \$200 for designing and constructing a mechanism panel which facilitates local repairs and the testing and calibrating of pneumatic controls.

An award of \$375 went to Mr. David for suggesting such improvements as a plastic metabolic cage, a new-type combination lid and food hopper for small animal feeding, and a commercial homogenizer. The construction of the equipment was done by Calvin Mencken, NCI, and his staff.

The third award in the amount of \$50 was given to Mr. Osborn for his design of an improved float-operated, snap-acting valve used in the house service tank in Building 11.



Lawrence Northcutt, left, explains his award-winning mechanism panel to Edward Osborn, another award winner.



Phillip David, center, explains the improved equipment to Dr. Julius White, left, and Dr. John Heller.

## Record Office Moves

The Office of the NIH RECORD is now located in Building 8, Room 212. The Record staff also handles items for the NIH Calendar of Events. Deadline for Calendar items is noon each Wednesday for events occurring the following week. The Calendar is distributed by the Mail Room each Thursday. Call extension 2125 for further information.