

Prize winner, was reelected as a trustee to succeed himself as a representative of the National Academy of Sciences on Science Service's board. Dr. Henry B. Ward of the University of Illinois was likewise re-elected a trustee. He represents the American Association for the Advancement of Science.

Science Service's other trustees include Dr. Harlow Shapley, Harvard College Observatory; Dr. W. H. Howell, Johns Hopkins University; Dr. E. G.

GENERAL SCIENCE

Scientists' Plea Is Move To Save World From Fascism

MUCH deeper significance than aid to Spanish democracy is behind a letter which 18 of America's scientists have sent to President Roosevelt.

Vital concern about the inroads that fascism and dictatorship are making upon freedom in science and other fields motivated the plea to the President that he lift the Spanish arms embargo.

These leading scientists feel that by giving support to democracy in other lands, they are acting to preserve in America "that democratic tradition which has allowed science to advance." They believe that continuance of the embargo against the Spanish government jeopardizes the peace of the United States "by encouraging fascist nations to proceed with their use of war as an instrument of national policy."

If the military power of Italian and German invaders engulfs Spain, then France as one of the few surviving democracies will be endangered. So they fear. Therefore, they feel that giving the Spanish republic an opportunity to defend itself is "a great service both for science and for democracy."

Scientists in the aggregate have not often been articulate about such questions. In the past, even during world wars, scientific work has been relatively unhampered by political affairs. Today in fascist countries it is very different.

A trio that includes two Nobel prize winners and a leading astronomer formulated the letter which was then signed by 15 other scientists, all members of the National Academy of Sciences.

Dr. Harold C. Urey, Nobelist and professor of chemistry at Columbia University, Dr. Arthur H. Compton, Nobelist and professor of physics at the Univer-

Conklin, Princeton University; Dr. J. McKeen Cattell, editor of Science; Dr. C. G. Abbot, Smithsonian Institution; Dr. H. E. Howe, editor of Industrial and Engineering Chemistry; Dr. Warren S. Thompson, Scripps Foundation for Research in Population Problems; H. L. Smithton, E. W. Scripps Estate, and Dr. John H. Finley, editor of the New York Times. The position on the board occupied by the late Robert Paine Scripps is being left vacant this year.

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sity of Chicago, and Dr. Harlow Shapley, director of the Harvard Observatory, worked together in framing the letter to the President.

Others who signed the letter were:

Dr. Roger Adams, University of Illinois chemist; Dr. J. McKeen Cattell, psychologist and editor of *Science*, New York; Dr. Arthur B. Coble, University of Illinois mathematician; Dr. Edwin G. Conklin, Princeton biologist; Dr. Charles A. Kraus, Brown University chemist; Dr. S. Lefschetz, Princeton University mathematician; Dr. S. A. Mitchell, University of Virginia astronomer; Dr. F. R. Moulton, astronomer and permanent secretary of the American Association for the Advancement of Science; Dr. Robert S. Mulliken, University of Chicago physicist; Dr. George Howard Parker, Harvard zoologist; Dr. F. K. Richtmyer, physicist, and Dean, Cornell University's Graduate School; Dr. J. F. Ritt, Columbia University mathematician; Dr. Edmund W. Sinnott, Columbia University botanist; Dr. Oswald Veblen, professor of mathematics, Institute for Advanced Study, Princeton; Dr. Sewall Wright, University of Chicago zoologist.

Dr. Walter B. Cannon, the Harvard physiologist, has been active in raising medical aid for the Spanish republican cause. In England, Dr. J. B. S. Haldane, the biologist, has worked for the Spanish loyalists and makes numerous trips to Spain in this connection. Prof. A. V. Hill, British physiologist and Nobelist, is also outspoken against fascism. The leading British scientific journal, *Nature*, has repeatedly published articles and letters critical of the fate of science and scientists in the dictator countries. On several occasions it has come under Nazi bans.

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MEDICINE

Thyroid Hormone in Ear Improves Hearing of Some

THE MIRACLE of making the deaf hear has been at least partially wrought by injections into the ear of thyroxine, hormone secreted by the thyroid gland. Results of this method of treatment were reported by Dr. Max A. Goldstein of St. Louis, Mo., at the meeting of the American Laryngological, Rhinological and Otological Society.

The patients, 35 of them, were suffering from the chronic hereditary type of deafness known as otosclerosis. In this condition spongy bone forms in the capsule of the labyrinth of the ear. Dr. Goldstein injected the thyroxine into the middle ear.

Careful tests of the hearing were made with the audiometer before and after the treatment. Improvement in hearing after treatment ranged from 35 per cent. to 50 per cent. In other words, while not cured completely of deafness, these patients recovered from one-third to one-half of their hearing.

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BACTERIOLOGY

New Virus Causing Pus Discovered in Rats

SOMETHING new in viruses is a virus that causes abscesses and pus formation in tissues under the skin. These conditions have hitherto been attributed to bacteria alone. A pus-forming, abscess-causing virus has nevertheless been discovered in rats. The discovery, made in the course of cancer investigations, is reported by Drs. William H. Woglom and Joel Warren of the Institute of Cancer Research and College of Physicians and Surgeons, Columbia University. (*Science*, April 22).

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PHYSICS—CHEMISTRY

Durand, Kraus, Honored With Franklin Medal

DR. WILLIAM F. Durand, professor emeritus of mechanical engineering at Stanford University, and Prof. Charles A. Kraus of Brown University will receive the Franklin Medal of the Franklin Institute for distinguished work in physical science.

The medals will be awarded May 20 as part of the dedication exercises for the Institute's heroic statue of Benjamin Franklin.

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