

TU Graduates Played Important Role In Identification Of Asian Flu Virus

Army Authorities Report On Work By Husband, Wife

A husband-and-wife team, whose partnership in life and science began when they were students at the University of Toledo, have been credited with a key role in the identification of the Asian flu virus.

This recognition comes from authorities at the Walter Reed Army Medical Center in Washington.

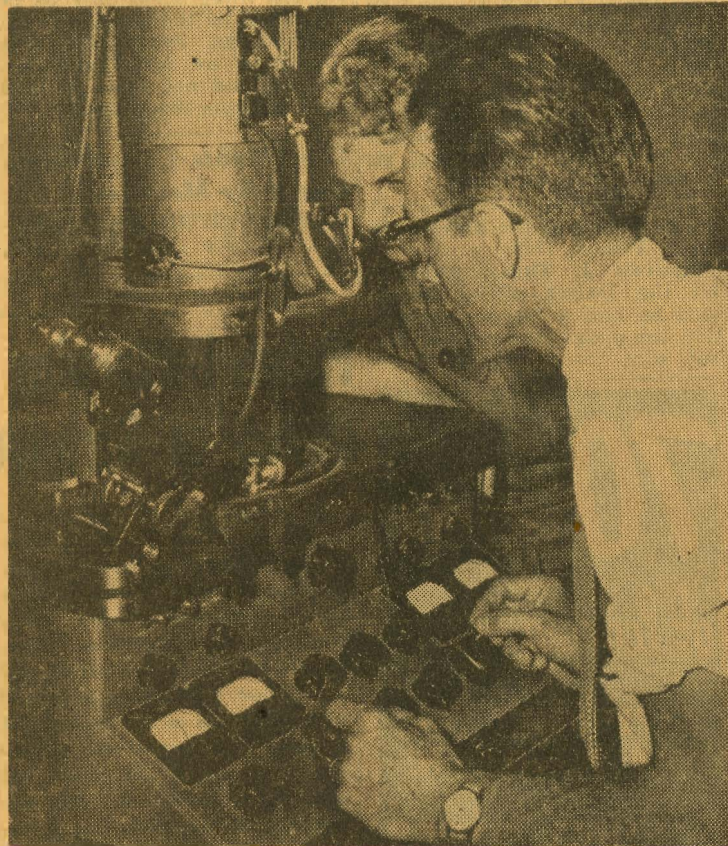
In a laboratory there, Drs. Richard E. and Roberta Hartman use one of the marvel machines of modern science, the electron microscope, to unravel the mysteries of invisible biologic matter.

Step In Process

"We don't claim that the electron microscope identified the flu virus," says Dr. Roberta. "We were able to rule out the possibility that certain contaminating viruses were present in the new samples. This was a step in the process of elimination that identified the flu virus."

When the Asian flu vaccine was developed, the couple used the electron microscope to help determine the proper dosage for immunization against the Oriental bug.

The electron microscope is capable of making visible objects a hundredth the size of anything that can be viewed through an ordinary microscope.



SCIENTIFIC MATES AT WORK IN MEDICAL CENTER
Drs. Richard and Roberta use super microscope at Walter Reed

Illuminating the subject with a stream of electrons, this versatile machine can enlarge for direct viewing up to 20,000 times.

This in turn can be enlarged photographically up to 20 times

higher. This system makes possible not only greater magnification but captures detail lost by optical microscopes.

Drs. Richard and Roberta work in the biophysics section of the Walter Reed Army In-

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stitute of Research's department of rickettsial diseases.

They are responsible, among other things, for the magnification and photographing of micro-organisms invisible even to the highest powered optical microscopes.

Married In Toledo

They were married here in 1941. After their graduation from the University of Toledo, they received their master of science degrees from the University of Michigan.

Dr. Richard received his PhD in biophysics from the University of Pittsburgh; his wife received her doctorate in bacteriology from the University of Michigan.

Although they have not always worked in the same laboratories before going to Walter Reed in October, 1956, the Hartmans always have collaborated on preparing scientific papers and speeches given by either.

They have worked together in

the biophysics section of the Army Chemical Corps Biological Laboratories at Fort Detrick, Md., and they were employed by the University of Michigan, Dr. Richard in the virology lab and Dr. Roberta in the department of bacteriology.

The scientific mates share membership in the Electron

Doctors Oppose Flu Vaccine For Infants

COLUMBUS, Sept. 10 (AP) — State Health Director Dr. Ralph E. Dwork yesterday said medical authorities do not recommend giving Asian flu vaccine to children under three months of age.

Children up to 12 years of age should be given two vaccination shots one to two weeks apart. Persons over 13 years of age need only one vaccination, Dr. Dwork said.

NOTICE is hereby given of the date of the Annual Meeting of The Lucas County Unit of the Ohio Division of the American Cancer Society, Inc., which will be held at the YWCA on Thursday, September 19, 1957 at 12:00 noon.

SPENCER W. NORTHUP, M. D.,
President
Lucas County Unit of
Ohio Division, A.C.S.

Microscope Society of America, Sigma Xi and the Biophysical Society. Dr. Richard is a member of the American Chemical Society, the American Physics Society and the New York Academy of Sciences. His wife belongs to the Society of American Bacteriologists.

Dr. Roberta is the daughter of Mr. and Mrs. Orlo H. Smith, 422 River Rd., Maumee. Dr. Richard is the son of Mrs. Alice Hartman, 519 Congress St.

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