## Willowbrook's War on Disease:

## Guns Point at Jekyl-Hyde Disease

By JACK REYCRAFT 2nd of two articles.

German measles - a disease which itself is milder than the common cold - becomes a vicious killer and a crippler some-times, when it is caught by an expectant mother.

Eighty per cent of the women who get the disease in the first three months of pregnancy, and their babies, escape all effects of the illness.

But others may lose the child or have a baby with a congenital malformation - blindness, deafness, heart disease or brain damage.

This usually mild - mannered maimer of unborn children is a prime target of the research team which has already eliminated regular measles as a disease at Willowbrook State School, the huge institution for mentally de-

Only a little over a year ago, the virus of the disease was grown in tissue cultures at two laboratories - in the Army's Walter Reed Institute and at the Harvard School of Public Health.

Soon a vaccine may be ready to end the threat. One of its first tests will be at Willowbrook, in carefully controlled experiments conducted by Dr. Saul Krugman. professor and chairman of the NYU Medical School's department of pediatrics, and Islander Dr. Joan P. Giles, research associate professor of pediatrics at NYU, who puts in full time at Willowrector of the Island institution.

George S. Mirick, scientific di



VIRUS FIGHTER-Dr. Joan P. Giles, of the team doing pioneer research work on infectious diseases at Willowbrook State School, shows the technique used in setting up media for throat swabs and isolation of virus.

brook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook, working in close collaborator of the Health Research Counbrook (and the City of New York, medical school's laboratories.)

rook, working in close collaboration with Dr. Harold Berman, discussion with Dr. Harol ed in collaboration with Dr. fessor of medicine in the same to follow the same plan which man says. medical school, and Dr. Michael has made Willowbrook an "island In children, hepatitis is a very a better world.

ma globulin, the only treatment | Hepatitis was a problem at Wil-

been learned, for instance, that care for the children there the virus is present in the throat But the researchers have tamed after the rash fades.

tests now being performed identi-being assigned to foreign lands. fy the disease definitely-something that wasn't easy for doctors before

These tests are being perfected, he explains, and may make it possible for a woman to learn when she is married whether she has immunity to German measles.

But, he says, the test material

The studies have also shown that not everyone who gets German measles gets a rash. In fact, the first proved report of the di-Willowbrook this year.

at Willowbrook is the effort to infectious hepatitis, today the Wil-

of immunity" from regular meas-mild disease, but in adults it is very serious. It can make a grown • 'lests are being made to de-termine the effectiveness of gam-take two to three months.

now in use to protect pregnant lowbrook because of the nature women against the disease.

• The "natural history" of the until recently it has been a threat disease is being studied. It has to the nurses and attendants who

of a patient as long as seven the virus with gamma globulin. days before the three-day rash And the Willowbrook methods are occurs, and as long as seven days used worldwide, especially by the U. S. Peace Corps, which discovered that many of its mem-ALREADY, Dr. Krugman says, bers contracted the disease after

> THE RESEARCH team, subsidized by the Armed Forces Epidemiological Board, has discovered that a large dose of gamma globulin protects an adult against hepatitis for five months, and that another injection gives five more months' protection.

If the worker does get the diis not available to the general sease, the gamma globulin attenuates (weakens) the virus, and the Public health authorities have illness is a mild one, in some advised parents to expose girls cases so mild the employe doesn't to German measles in childhood, even know he has had it,

Two years ago, 19 employes contracted hepatitis. In the last two months, none has got it.

The gamma globulin protection sease without rash was made at is optional, at the employe's own choice, Dr. Krugman says

Whereas only a generation ago ONE OTHER field of research little or nothing was known about defeat infectious hepatitis - the lowbrook scientists have learned disease which before World War that the type there has a 39-day

their contribution nevertheless to