of m strain about one month prior to the epidemic season.

After then, pigs, mosquito and human infection with JEV in Iki island were investigated throughout the epidemic season.

The results obtained as follows.

1) A significant difference was recognized in antibody response against JEV in the sera of pigs between Iki island and the control area near the island, that is, after vaccination prior to appearance of the infected mosquitoes with JEV in Iki island 90 per cent or more of the slaughtered pigs showed to have antibody in low titer and 19-S antibody was found to be remarkably rare throughout the epidemic season.

2) The pattern of the virus isolation from Culex tritaeniorhynchus collected periodically at three points on the island was quite different from that of the control area. Isolation rate of the virus was unusually low without showing a peak and appearance of the infected mosquitoes was found to be intermittent.

3) In this year, only one unconfirmed case of JE patient was reported on the island. Compared with what it was, it has been remarkably decrease in number of occurrence of JE patient.

4) Harmful effect seen to be caused by vaccination could not be recognized.

To make sure of these results, the same trial has been reported on Iki island during the following year’s (1968) epidemic season. The result obtained in 1968 was also simillar to that of 1967.

Judging from the findings as the above, it was considered probable that immunization of pigs with vaccine might be effective to inhibit amplification of mosquito infection with JEV.

ECOLOGICAL CYCLE OF JAPANESE ENCEPHALITIS
VIRUS IN SWINE

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STUDY ON THE RESERVOIR OF JE VIRUS IN KOREA

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In Korea and Japan thorough understanding of the ecology of the encephalitis is the first step to mention the reservoir of the virus.

1. On overwintering mosquitoes.

During past four years we tried to collect the overwintering mosquitoes by