

Mosquito Control in Impounded Waters

by R. J. VanDerwerker

The Union County Mosquito Extermination Commission of New Jersey has solved a serious mosquito breeding problem in an unusual manner. Surprise Lake, a small fresh water pond, 9000 feet long and very narrow and shallow had a badly overgrown swamp at the head of the pond. The upper 4000 feet of the pond which was about 300 feet wide was overgrown with swamp laurel and brush. After each rain this flooded and produced broods of several species of mosquitoes. *Anopheles quadrimaculatus* were plentiful in the area.

In June 1939, the Commission began working with its Northwest 3/8 yd. Crane to excavate a wide, deep channel through the middle of the swamp. The excavated material was deposited along the edge of the swamp and graded back on a slope. 68,289 cu. yds. was handled of which about 18,289 cu. yds. was grading or re-handling. The Park Commission has graded some of the dirt with a bull-dozer and expect to complete the grading in 1941. Total labor cost for brushing, grading and operating the crane was \$3,898.10. When the pond is full of water the completed area has a center channel 6 feet deep and about 40 feet bottom width with sloping banks and top width of about 80 feet. Abundant small fish, formerly screened out by vegetation can now work through the whole area from the lower part of the lake to prevent mosquito breeding.

Mosquito Oils and Larvicides

by Joseph M. Ginsburg

Mosquito Oils - Laboratory and field tests with various petroleum distillates, conducted