

the direction of a technically trained forester since then. During this period 11,000 acres have been cut over under the reforestation program, 5,000 acres where seed trees have been left and 6,000 acres of improvement cuttings.

The fire protective organization consists of a permanent force of 24 fire guards working under the direction of the Company's forester. The annual cost of fire protection works out to about two cents per acre. Some experimental fire lines have been constructed on a small scale and a telephone system is being laid out at the present time.

The Company has also laid out a number ^{of} permanent sample plots for remeasurement at intervals to obtain information on the method of cutting best suited to their holdings, extent of damage done by fire, windfall following cutting, etc.

5. Urania Lumber Company, Urania, Louisiana. This Company owns about 70,000 acres of timber land near Urania, Louisiana, of which 20,000 acres still remain in virgin timber. Of the total area approximately one-third is in pure longleaf pine, one-third in mixed shortleaf and loblolly pine stands and the remainder in hardwood bottomlands.

The fire protective organization was started in 1921 and for the following three years no more than 10 per cent of the total area was burned over. Due to excessive drought conditions during the last year, fire burned over approximately 40 per cent of the Company's holdings. The Company employs seven year round fire patrolmen and during the fire season use a state fire lookout tower. A telephone system connects with all parts of the Company's holdings, making possible the quick suppression of any fire, and all Company employees are ready to be called out any time for this work. The cost of adequate fire protection is four cents per acre annually.

Industrial Lumber Company, Elizabeth, La. This Company owns 100,000 acres of longleaf land, 70 per cent cut over. They are now leaving seed trees for reforestation purposes and propose to plant up denuded areas. A nursery has already been established for the purpose, and longleaf and slash pine are being raised.

Krause Mangan Lumber Company, Westlake, La. This Company owns 50,000 acres of cut-over land, 75 per cent longleaf pine, and the remainder loblolly pine and hardwoods. Fire protective organization consists of three patrolmen. Some experimental direct seeding with longleaf pine is being tried out.

Brown Paper Mill Company, West Monroe, La. This Company has 55,000 acres of second-growth shortleaf and longleaf pine lands in northern Louisiana. They are leaving four good seed trees per acre; giving fire protection to entire holdings; have three permanent fire guards and a fire lookout tower.