

The New Pluviometric System of the City of Manila

By Rev. Miguel Solga, S.J.

Director, Weather Bureau

For over seventy years, by Rainfall of Manila it has been meant the precipitation recorded at the Manila Observatory. The assumption was made that the precipitation measured in Intramuros or in the district of the Ermita was a fair representation of the pluviometric conditions prevailing over the whole area of Manila. This assumption may have been considered acceptable as long as the city of Manila was confined within the walls erected by Gomez Perez Dasmariñas, but the recent expansion of the city of Manila in every possible direction with the possibility of absorption <sup>of the</sup> adjoining towns has given rise to so many and so serious problems of sewer discharge and flood control that the necessity of covering the city with a net of rainfall stations has become evident and imperative. Through the cooperation of private institutions and government offices, rain stations have been established at Good Shepherd Institution, Grace Park, Caloocan; Colegio Seráfico, San Francisco del Monte; New Reservoir of the Metropolitan Water District, San Juan del Monte; Quezon Institute, Santol; Wack Wack Golf and Country Club, Mandaluyon; Welfareville, Mandaluyon; Nielson Air Field, San Pedro Macati; Bureau of Animal Industry, Pandacan and Bureau of Health in San Lazaro Hospital. The rainfall observations made at Pandacan and San Lazaro are expected to throw new light on the behaviour of the esteros of Pandacan and Magdalena respectively, under the strain of heavy rains. The observations coming from the Wack Wack Club and San Juan Reservoir will be of great assistance in determining the rise, flow and current of the