

festivities. Good music is rendered in harmony. The concerted choruses are peculiarly effective, partly on account of their unique quality of cross-syncope. Many exceedingly dramatic features occur in the play, especially where Paupukeewis leaps 50 feet from a rock out into the lake, and where Hiawatha leads Minnehaha home, and his departure. During pantomime parts the meaning of the action is explained by the dramatic director through a megaphone.

The president called on Dr. D. G. Fairchild, who gave an account of some of his experiences in Java. The speaker described in an interesting manner his observations on the fungus-cultivating termites. As is generally known, these insects are enormously abundant and injurious throughout the tropics. Timbers are destroyed in all situations; in a few cases even ocean-going steamers have been destroyed. The observations of the speaker were made chiefly in the neighbourhood of the botanic gardens at Buitenzorg. It was soon found that the interesting comb-like nests of the termites were composed exclusively of the excrement of the insects. This structure serves as a nutrient medium for the growth of the fungous felt which lines all the passages. The conidiophores of the fungus are interesting structures. Each species of white ant cultivates a different species of fungus. The speaker's observations were chiefly confined to *Termes bellicosus*. Young white ants are fed almost exclusively on the conidiophores of the fungus. The speaker described the furious combats which are frequently observed between different species of termites. The individuals from different nests of the same species do not fight. The workers fight even more furiously than the soldiers. One group of termites was observed which did not cultivate any fungus, and which carried on their combats by ejections of fluid from the head. This fluid appeared to be very obnoxious. The nests of termites vary in size, from that of a man's hand to 25 ft. in height. Some species have five or six queens, and the queens lay about one egg per second. Many of these observations were corroborated by Mr. C. L. Marlatt, who referred to some of the habits of white ants, and who also spoke of toads as feeding upon these insects.

The subject of power sprayers was discussed by Mr. A. F. Burgess, with special reference to compressed air sprayers, as invented and perfected by manufacturers in Pennsylvania, Ohio and Illinois. According to one of these schemes the air tank is charged with air under a pressure of 160