

The Cottage Sanitarium Treatment of Pulmonary Phthisis, by Dr. N. A. Powell, Toronto.—Experience proved beyond doubt that this plan of treatment was the best we have at the present time. The results obtained at Saranac Lake, by Dr. Trudeau, where about 30 per cent. of permanent cures, and 75 per cent. materially benefited, could not be equalled by any other plan of treatment at the present time. Several lantern slides were shown of the cottages at Saranac Lake, and of the sanitarium near Gravenhurst, which will be opened in about two months. The speaker hoped the profession of Ontario would heartily support the work, and not get the mistaken notion that it was a place for our consumptives to go to die.

The Effect of Gravity Upon the Circulation.—A paper thus entitled was read by Dr. R. D. Rudolf, Toronto. The writer commenced by showing several lantern slides illustrating the effect of gravity in the circulation of dogs, proving that (1) this force produces in a nominally horizontal animal a lowering of the carotid blood pressure in the vertical feet-down position, with a synchronous rise in the pressure in the femoral artery and also in the portal circulation; (2) that if the splanchnic nerves be cut or paralyzed by drugs, such as chloroform or curari, gravity produces in the vertical feet-down position a greater fall in the carotid pressure than in the normal animal, the blood accumulating in the paralyzed abdominal vessels; (3) that in an animal, whose splanchnics have been paralyzed, either version to the head-down position, or bandaging of the abdomen causes the arterial blood pressure to rise again. In normally upright animals, such as monkeys, gravity does not effect the general blood pressure in different positions, the system fully compensating for the same, and this is the state of things in healthy man, the radial pulse as measured by Oliver's arterio-meter, showing that the blood-pressure is fully maintained when man is standing, as compared to lying down. The writer then showed that in diseased states, where the circulation was weak, gravity acted markedly, increasing the swelling of the feet in standing in diseases characterized by engorgement of the venous system, and increasing the tendency to syncope and dizziness in diseases characterized by low arterial tension. He urged that the evil effects of gravity might be neutralized by judicious placing of the patient horizontally, thus decreasing the work of the weak heart, and he suggested that frequent resting in this position by patients suffering from heart disease *before* compensation begins to fail, would help to postpone that evil. He emphasized the urgency of only giving chloroform with the patient strictly horizontal, and suggested that previous bandaging of the abdomen might tend to lessen the risk of dangerous lowering of