PRODUCING A VACUUM

The first of a series of six demonstra- tions on the effects of high vacua, given at the Adelaide University, was a success. The subject of these lectures will be the action of a remarkable machine for producing the high vacuum required for experiments upon a new type of beam-plated cathode. This apparatus has been designed by Dr. Irving, a representative American scientist, and is used exclusively in the factory of the Australian Company for the production of Corliss valve units. It is a self-contained apparatus, which can be used for a variety of experiments. The machine is very sensitive, and requires a very low vacuum to function properly. It is a valuable addition to the catalogue of scientific instruments available for the study of physics at the University of Adelaide.

THE LEAGUE OF NATIONS.

The first of a series of lectures on the League of Nations was given at the University of Adelaide, as is done by Professor Coleman Phillips. He was a great at- tention. At the outset the lecturer referred to the great necessity for an international organization, owing to the fact that nations are interdependent. The League of Nations was formed in 1920, after the First World War, to prevent another such conflict. It was hoped that the League would bring about peace and harmony among nations. However, the League was unable to prevent the Second World War, which was even more destructive than the first. The League of Nations was dissolved after the Second World War ended.

The promotion of peace schemes was as old as war itself, but it was not until the end of every conflict, and the setting up of wars for no reason, that peace schemes were established. The world in the post-war period had to make some changes, but peace schemes were not enough. The world had to be educated to forget all about the horrors and had apparently lost its interest in the League of Nations, which was established for the preservation of peace. The professor then referred to the difficulties between the States, the individuals, and the social and international conditions. The feeling of life lost during the war, and the only hope was that the establishment of peace would bring about a better world.

The "white Australia" scheme made the policy of the Commonwealth a very important one in the post-war period. It was a matter for gratification that behind the veil of secrecy, the League of Nations was working to secure peace. The League of Nations was a united body of the world, and also the League of Nations. Mingled with all the other more important issues which were of vital importance to the country.

Mr. Simpson, widow of Mr. A. M. Simpson, on Tuesday evening, residence, Young House, Pastoral. She was a daughter of the late Dr. John Simpson, former editor of the London "Morning Advertiser." Mrs. Simpson's mother, who long survived Dr. Simpson as a daughter of the late Rev. Dr. Daniel Keigh, chaplain to the Duke of Kent, the father of Queen Victoria. Dr. Sheridan had two brothers, the late Mr. J. B. Sheridan, for many years a barrister here, and a sister, Miss Keith Sheridan of North Adelaide. Until illness prevented her, Mrs. Simpson took much in interest in charitable works, notably the Blind, Deaf, and Dumb Institution at Brighton. More recently she established the Laboratory at the Adelaide University in memory of Mr. A. M. Simpson, and also, with her stepdaughter, Mrs. C. W. D. Welch, she is the founder of the brain house at the Botanic Gardens.

TO-DAY'S PROGRAMME

An address will be delivered this evening by Professor Coleman Phillips, M.A., LL.D., writer, "I have heard a rumor the Teachers Conference last Monday evening that the teachers were going to address me by the name of 'May I, through the medium of the teachers of South Australia, address me by this title of my discourse, and nothing more. From the first it was my intention which, I think, I fully carried out on Monday evening to deal with the subject broadly and generally, and without special reference to local conditions, claims, or grievances. It was far from my mind to deal with any question of a personal nature or political party position. I have never done, and do not intend to be, a party politician. I have always pointed and dignified toward the word 'conservatism,' as expanded (say) by the word 'conservative,' I believe, that the government of an elected state, and of every section of the community, must be in the hands of the 'aristo- crats.'"

The Governor-General, in his address, said, "The League is a Liberal and true name—namely, the men who fitted the work. And, above all, we must not forget that every undertaking or proceeding that is inspired by intimation or the titles of Bolshevism. We have the pleasure of knowing that a great deal of the present South Australian Government, and I am quite sure that, though they may have taken on their heads, they are not oblivious of the interests and the "tea-time importance of the teaching profession."