

way and Canada Atlantic, arriving in Ottawa the following morning.

A busy day was spent in the capital. A reception was held at the City Hall, a luncheon at Hotel Victoria, Aylmer, and a garden party at the residence of T. C. Keefer, who is a member of the Institution. The party also visited the Chaudiere.

Saturday was spent in Montreal further investigating the objects of interest in that neighborhood, and on Sunday the party travelled to Toronto by special train on the Grand Trunk. On Monday, the visitors were formally received at the City Hall and also at the Legislative Building, and a luncheon was tendered by the members of the Canadian Society. Trips around the city and sailing excursions on the bay completed the day.

On Tuesday the party left for Niagara Falls, where they investigated the power developments on both sides of the river, afterward leaving for Chicago.

Sir William White, the president of the Institution, is the head of the delegation, and responded eloquently to the addresses of welcome at the various places. For many years Sir William was chief director of construction, and also assistant controller of the navy. He left the service in 1902, being now a private naval expert. He is an enthusiastic supporter of the navy, which he regards as one of the strongest ties binding the Empire together. In his reply to the welcome by Premier Ross,

George IV., "for the general advancement of mechanical science and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of the civil engineer, being the art of directing the great sources of power in nature to the use and convenience of man." The first president of the Institution was Thomas Telford, who is known in this country through his having been connected with an undertaking in Nova Scotia, which was then supposed to be of national importance, partly for the conveyance of troops. Following him there have been 39 presidents, all men of distinction, and some of world-wide reputation, such as Joshua Field, Sir William Cubitt, Robert and George Stephenson, Mr. Bateman, Lord Armstrong, Sir Frederick Bramwell, Sir Benjamin Baker, and others. Robert Stephenson was connected with the construction of the Victoria Bridge at Montreal, at that time one of the wonders of the world. Mr. Bateman constructed at Halifax one of the largest graving docks in America, where the speaker, Mr. Keating, had the honor of acting as resident chief engineer.

Following are the members of the Reception Committee of the Canadian Society of Civil Engineers: Col. W. P. Anderson, president; John Kennedy, past-president, chairman; E. H. Keating, past-president, chairman of Toronto Committee; C. H. Keefer, vice-president chairman of Ottawa Committee; St. George Boswell, B.Sc., chairman of Quebec Committee; C. B.



The Visiting Engineers and Their Friends at the Residence of Mr. S. Nordheimer, Toronto.

he remarked that it humbled him when he learned that Ontario is about twice as great as the United Kingdom. "We cannot expand our geographical boundaries," said he, "but we make it up in ships, and we go wherever the ocean rolls, and wherever a British ship floats, there the flag of the British Empire is seen, and that flag must be respected. We claim no exclusive right to the sea, but the sea must always be open to British commerce."

Speaking for the party, Sir William said: "We have seen more than we anticipated, both in work already achieved, and work in hand, and we hear on all sides of works in contemplation. We have seen a nation in its infancy. Although your numbers are small, you have already done wonders, and are facing greater tasks in developing this part of the continent. Those of us who are blessed with this world's goods can find opportunity here for investment, with a security which, combined with patriotism, gives a field for our surplus millions that cannot be surpassed."

In proposing the healths of the King and the President of the Institution of Civil Engineers at the luncheon at Toronto, E. H. Keating, who presided, mentioned several interesting facts relative to the Institution. Among the honorary members of the council are the Emperor of Germany, the King of the Belgians, the Duke of Connaught, and Lord Kelvin, while King Edward is a patron of the Institution. The Institution is now in its 86th year, having been incorporated in the reign of

Smith, B.Sc., chairman of Niagara Committee; E. Marceau, vice-president; K. W. Blackwell, past-president; Phelps Johnson, R. B. Owens, D.Sc.; D. Macpherson, P. W. St. George, M. J. Butler, W. McLea Walbank, B.Sc.; J. B. Porter, Ph.D.; R. J. Durley, B.Sc.; H. Irwin, C. H. McLeod, M.Sc., secretary.

The members of the visiting party were: Sir Wm. White, K.C.B., D.Sc., F.R.S., president; C. A. Brereton, member of council; Alexander Ross, member of council, chief engineer, Great Northern Railway; W. C. Unwin, B.Sc., F.R.S., member of council, professor of engineering at South Kensington; J. H. T. Tudsbury, D.Sc., member, secretary; H. T. Ashton, D.Sc., member; John A. F. Aspinall, member; J. B. Aspinall, H. O. Baldry, member; William Barrington, member; Charles E. Botley, member; J. A. Brodie, member, City Engineer of Liverpool; A. Havelock Case, member; William Collingwood, member; John D'Aeth, member, Government Engineer, Jamaica; D'Aeth, Jr.; H. H. Deane, B.A., member; C. E. W. Dodwell, B.A., member; R. A. Hadfield, member; C. P. Hogg, member; S. G. Homfray, member; H. Ross Hooper, M.A., member; R. B. Hooper, John G. Hudson, member; W. Henry Hunter, member, chief engineer, Manchester Canal; A. C. Hurtzig, member; W. H. Jaques, member; H. E. Jones, member; Joseph Lobley, member; H. A. F. MacLeod, member; Walter P. Meik, member; F. C. Murray, member; H. D. Pearsall, member; David E. Roberts, member; Leslie S. Robertson, member; Walter Rowley, member; Percival W. St. George, member; W. A. P. Tait, D.Sc.,