- The Honourable William J. Browne, Minister Without Portfolio
- The Honourable Paul Comtois, Minister of Mines and Technical Surveys
- The Honourable J. Waldo Monteith, Minister of National Health and Welfare
- The Honourable Francis Alvin G. Hamilton, Minister of Northern Affairs and National Resources
- The Honourable Raymond O'Hurley, Minister of Defence Production
- The Honourable David J. Walker, Minister of Public Works
- The Honourable Pierre Sévigny,
  Associate Minister of National Defence

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