

Our 25th Anniversary Notre 25e anniversaire

1980

 Appointment of Engineering Institute of Canada Task Force to examine the 'Academy' idea

 Meeting at which the decision to establish a Canadian Academy of Engineering was taken

1986

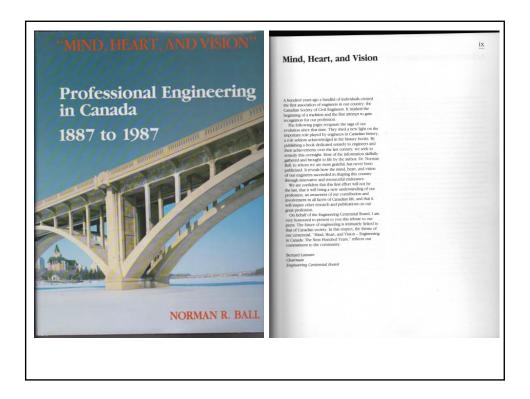
 Founding Committee of twenty-six engineers was formed from which a Provisional Council of sixteen was selected on November 7, 1986

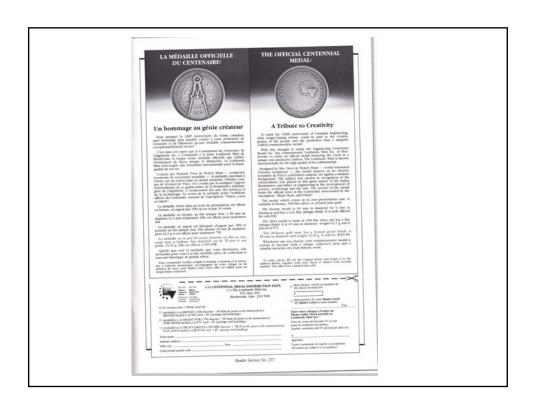
- 100th anniversary of engineering in Canada 1877-1987
- Canada Post Stamp



1987

 Canadian Engineering Centennial Convention held in Montreal, May 18-20, 1987







Centennial Medals for Engineering in Canada

- Ten major engineering achievements received awards at the 1987 centennial celebrations of the first Canadian engineering institution.
- 1. The Transcontinental railway network built by the CPR
- 2. The St. Lawrence Seaway
- 3. The synthetic rubber plant of Polymer/Polysar at Sarnia
- 4. The Athabasca commercial oil sands development

- 5. The Hydro-Quebec very high voltage transmission system
- 6. The CANDU nuclear power system
- 7. The De Havilland DHC-2 `Beaver' aircraft
- 8. The 'Alouette 1' orbiting research satellite
- 9. The Bombardier snowmobile
- 10. The trans-Canada telephone network

1987

 Inaugural meeting of the Canadian Academy of Engineering held on May 20th in Montreal

First 44 Fellows elected

- John B. Stirling
- Pierre R. Bélanger
- Lionel Boulet
- William Boyle
- Angus A. Bruneau
- Donald Chisholm
- J.V. Raymond Cyr
- Camille A. Dagenais
- Alan G. Davenport
- Colin D. DiCenzo
- John T. Dyment

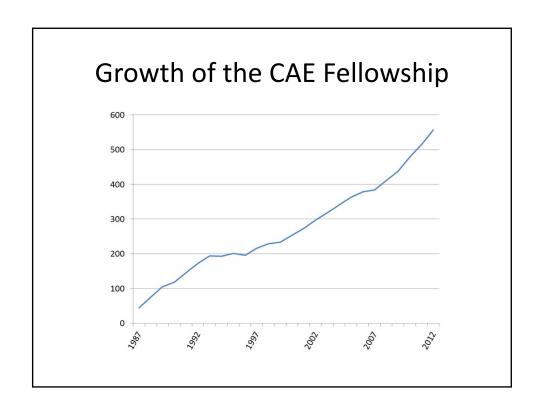
- Bernard Etkin
- John S. Foster
- · William H. Gauvin
- Jean Paul Gourdeau
- · George W. Govier
- James M. Ham
- · Richard D. Hiscocks
- Larkin Kerwin
- Lesmere F. Kickpatrick
- Bernard Lamarre
- Philip A. Lapp

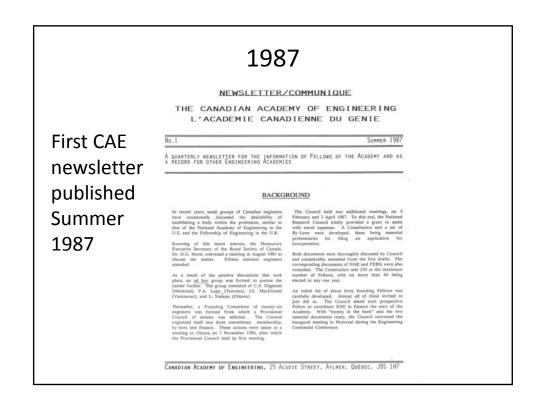
1987

First 44 Fellows elected

- Robert F. Legget
- Walter F. Light
- John S. Macdonald
- Gordon M. MacNabb
- James R. McFarlane
- George G. Meyerhof
- William G. Morison
- Leopold M. Nadeau
- Barry G. Newman
- Peter Nikiforuk
- John L. Orr

- Alphonse Ouimet
- Arthur Porter
- W. Howard Rapson
- · Lucien Rolland
- Robert F. Shaw
- · Leslie W. Shemilt
- Ernest Siddall
- Elvie L. Smith
- Harold A. Smith
- Donald R. Stanley
- Douglas T. Wright







• Granted a charter for letters patent February 16, 1988



1988
Members of the CAE Executive Committee at the first annual meeting after inauguration



1988
The first annual meeting after inauguration



1988
Founding member and Past President
Philip A. Lapp



 Co-hosted, with the Royal Swedish Academy of Engineering Sciences, King Gustav of Sweden at a Symposium on Industrial Progress through Science and Technology.

Gift from the Royal Swedish Academy of Engineering Sciences, 1988



- Léopold Nadeau appointed as first Executive Director
- Established the 10 most pressing engineering issues in Canada

1990

 Beginning of The Decade of Natural Disaster Reduction, a successful collaboration with the Royal Society of Canada

 Contributed to COPSE (Committee of Parliamentarians, Scientists and Engineers) (later PAGSE, Partnership for Science and Engineering)

- Endowment fund reaches \$485,000
- CAE Report on "Engineering Research in Canadian Universities" was published in August 1991
- "Engineering Issues" No. 1 the first formal publication "Managing the Environment – The Engineering Challenge" by Donald R. Stanley was published in December 1991

 CAE elected a member of the International Council of Academies of Engineering and Technological Sciences (CAETS) September 12, 1991



1987 - 1991

Presidents of the CAE

1987 - Dr. Robert F. Legget

1988 - Dr. Philip A. Lapp

1989 - Dr. Larkin Kerwin

1990 - Dr. James M. Ham

1991 - Dr. Camille A. Dagenais

- The first Festival of Engineering '92 with the theme "Engineering Our Future" was held April 6-11, 1992
 - Opened by His Excellency the Right Honourable Ramon
 John Hnatyshyn, Governor General of Canada
 - Guy Saint-Pierre, President and CEO, The SNC Group, was the Honorary Chair
 - Sponsored by Canadian Council of Professional Engineers (CCPE), Association of Consulting Engineers of Canada, Engineering Institute of Canada (EIC) and the CAE. Event co-ordinated by the Ottawa Chapter of PEO.

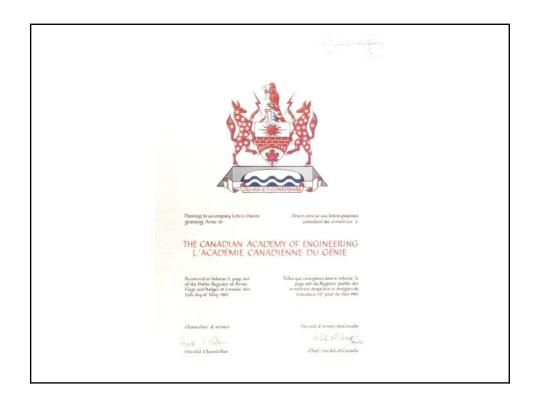


CAE Dispatch Case (since replaced with a USB memory stick; soon to be replaced again with Cloud Computing)

 Coat of arms presented by Governor General Ramon Hnatysyhn

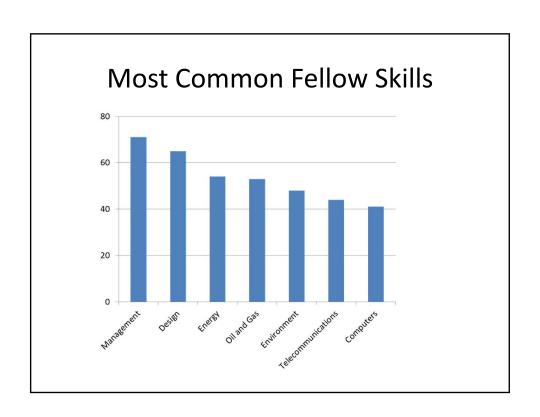


 Founding partner in National Engineering Week



- "Engineering Issues" No. 3 "Risk, Safety and Society" was published in July 1993
- "Engineering Issues" No. 4 "The Central Role of Design in Our Economy" by J.E. Lockyer was published in November 1993

- Membership dues increased from \$250 to \$300/year
- Revised our Mission statement to the current form
- Brief submitted to Federal S&T Review by CAE, CCPE, ACEC and EIC "The Role of Engineering in Building a National Strategy in Science and Technology in Canada" September 1994



- Honorary Fellows category created (renamed Emeritus Fellow in 1999)
- "Engineering Issues" No. 5 "Natural Disaster Reduction in Canada" by A.G. Davenport was published in August 1995

- Fellow Dennis Poussart creates CAE web page
- CAE & RSC Report on *Ontario's Nuclear Emergency Plan* – November 1996

1992 - 1996

Presidents of the CAE

1992 - Dr. Alan G. Davenport

1993 - Dr. Gordon M. MacNabb

1994 - Mr. Jean-Paul Gourdeau

1995 - Dr. Angus A. Bruneau

1996 - Dr. Angus A. Bruneau

- CAE Report on Engineering Education in Canadian Universities, published in January 1997
- Pierre Franche succeeds Léopold Nadeau as Executive Director

- "Engineering Issues" No. 6 "Lifelong Learning for Professional Engineers" by C.W. Bowman was published in August 1997
- CAE published a Background Report
 "Technological Entrepreneurship and
 Engineering in Canada" edited by Roger
 Blais in September 1997

1998

"Engineering Issues" No. 7 "Wealth
 Through Technological Entrepreneurship"
 was published in March 1998

- Philip Cockshutt succeeds Pierre Franche as Executive Director
- Honorary Fellow category created to date, the only Fellows elected to this category are Mike Lazaridis (2008) and Arthur Carty (2008)

- CAE Position Paper "Public Investments in University Research: Reaping the Benefits" published in October 1999
- "Engineering Issues" No. 8 "Evolution of Engineering Education in Canada was published in December 1999

 Royal Society of Canada (RSC) and Canadian Academy of Engineering (CAE) proposal: The National Academies of Canada: Part I, A Proposal to the Government of Canada - May 2000

- CAE Headquarters moves to 180 Elgin Street, Ottawa
- CAE, RSC and Canadian Academy of Health Sciences (CAHS) proposal: A Proposal to Create a Council to Provide Independent Expert Assessments of Science, Engineering and Technology Issues for the Government of Canada and for the Public of Canada

1997 - 2001

Presidents of the CAE

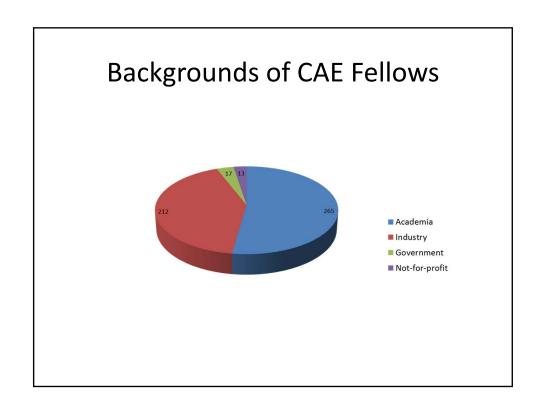
1997 - Mr. John H. Dinsmore

1998 - Dr. Gordon R. Slemon

1999 - Mr. Alex Taylor

2000 - Mme. Micheline Bouchard

2001 - Dr. Joseph D. Wright



- CAE published report "Protecting the Public and the Environment – A Responsibility of Canadian Professional Engineers"- February 2002
- CAE published report "Energy and Climate Change – A Canadian Engineering Perspective"- March 2002

- The Canadian Academies of Science (CAS), was created under the Canada Corporations Act in April 2002 by three founding member academies:
 - The Royal Society of Canada (RSC)
 - The Canadian Academy of Engineering (CAE)
 - The Canadian Institute of Academic Medicine (subsequently to evolve into the Canadian Academy of Health Sciences - CAHS)

- The Canadian Academy of Sciences (CAS) granted letters patent and renamed Council of Canadian Academies (CCA) in 2006
- "Engineering Issues" No. 9 "Security and the Engineering Profession in Canada" was published in December 2002

- CAE published a report "Assuring Competence in the Canadian Engineering Profession" in February 2003
- "Engineering Issues" No. 10 "Energy and Climate Change" was published in March 2003

- "The First Fifteen Years A Brief History (1987-2002) of the Canadian Academy of Engineering" by the late Gordon Slemon was published in March 2004
- Prime Minister Martin announces government's intention to provide funding for the Canadian Academies of Science - October 6, 2004

- Federal Budget allocates \$30 million to the CAS, February 23, 2005
- Negotiations between government and CAS over terms of funding agreement, February -March, 2005

- Inaugural Meeting of the CAS Board of Governors, September 11, 2005
- CAE Task Force on the Future of Engineering - A Framework for Discussion published in December 2005

- Peter J. Nicholson hired as inaugural President of the CAS, February 6, 2006
- The Canadian Energy Challenge Workshop: an Engineering Perspective took place on Friday, May 5, 2006 at the University of Ontario Institute of Technology (UOIT) in Oshawa, Ontario
 - Report on "The Canadian Energy Challenge Workshop: An Engineering Perspective" by Kamiel S. Gabriel and Richard J. Marceau published June 2006

- CAS renamed the Council of Canadian Academies, June 20, 2006
- Michael A. Ball succeeds Philip Cockshutt as Executive Director

- The Canadian Engineering Leadership Forum (CELF) is formed by:
 - CAE
 - CCPE
 - ACEC
 - EIC
 - NCDEAS (National Council of Deans of Engineering and Applied Sciences)
 - CFES (Canadian Federation of Engineering Students)

2002 - 2006

Presidents of the CAE

2002 - Dr. Claude Lajeunesse

2003 - Dr. Morrel P. Bachynski

2004 - Mr. Ron Nolan

2005 - Ms. Kathleen Sendall

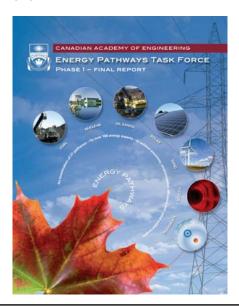
2006 - Dr. John McLaughlin

2007

Dr. Clem Bowman presented with the CAE's first
 Distinguished Service Award (renamed the Léopold
 Nadeau Memorial Award for Distinguished Service in
 2008) by President John D. McLaughlin



CAE Energy Pathways
 Task Force Phase 1 –
 Final Report
 published in August
 2007



2007

 CAETS 2007 Convocation – "Environment & Sustainable Growth" held in Tokyo, Japan, October 22-26, 2007



 "Benchmarking the CAE against CAETS Member Academies' Governance, Finance, Membership and Outreach: A Critical Look at the CAE – Where Do We Stand?" - Final report published in February 2007

2008

Clem Bowman receives the prestigious 2008
 Global Energy International Prize in St.
 Petersburg, Russia, April 2008



 Morrel P. Bachynski presented with the Léopold Nadeau Memorial Award for Distinguished Service by President C. Ravi Ravindran



2008

 Mike Lazaridis and Arthur Carty elected as Honorary Fellows

Arthur
Carty and
President
L. John
Leggat at
the 2009
Annual
Meeting



 CAETS 2008 Annual Meeting & Symposium – "Delta Technology", held in The Hague and Delft, Netherlands, June25-26, 2008



- CAE launched new website
- CAE Newsletter redesigned

- Engineering Summit "Leading a Canadian Future: The New Engineer in Society" organised by CELF held in Montreal, May 18-21, 2009
- CAE Strategy & 3-Year rolling Business Plan announced

2009

• The CAE hosted the bi-annual CAETS Convocation in Calgary, July 13-17, 2009. The theme was "Our Heritage of Natural Resources – Management and Sustainability"

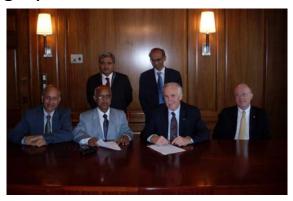


 President-elect Axel Meisen took a well deserved break after hosting the CAETS Convocation

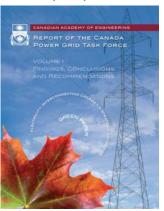


2009

 The CAE signed a cooperation agreement with the Indian Academy of Engineering in Calgary

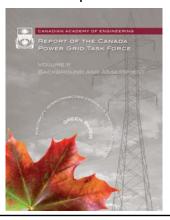


CAE Report of the Power Grid Task Force: Volume I –
 Findings, Conclusions & Recommendations –
 "Electricity: Interconnecting Canada – A Strategic
 Advantage" Green Paper published April 2010

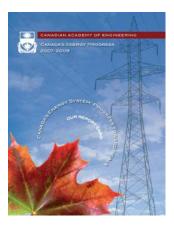


2010

CAE Report of the Power Grid Task Force: Volume II –
Background and Assessments "Electricity:
Interconnecting Canada – A Strategic Advantage"
Green Paper published April 2010



CAE Report on Canada's Energy Progress 2007 - 2009
 "Canada's Energy System: Progress Towards Goals –
 Our Report Card" published May 2010



2010

 MOU signed between the Trottier Family Foundation, The David Suzuki Foundation and the CAE to establish the "Trottier Energy Futures Project"

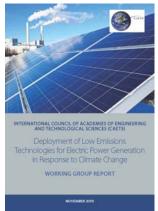


CAETS 2010 Annual Meeting & Symposium –
 "Sustainable Food Systems" held in Copenhagen,
 Denmark, June 28-29, 2010



2010

 CAETS Working Group Report on "Deployment of Low-Emissions Technologies for Electric Power Generation in Response to Climate Change" – published September 2010



- CAETS 2011 Convocation held in Mexico City, Mexico, June 27-July 1, 2011
- CCA issued "Statement of Common Understanding" with the RSC, CAE and CAHS.

2011

 CAE hosted a delegation from the Chinese Academy of Engineering August 22-23, 2011



2007 - 2011

Presidents of the CAE

2007 - Prof. C. Ravi Ravindran

2008 - Dr. John Leggat

2009 - Dr. Axel Meisen

2010 - Dr. Michael E. Charles

2011 – Ms. P. Kim Sturgess

1987 - 2011

Executive Directors of the CAE

1987 – 1997 · Léopold Nadeau

1997 – 1999 · Pierre Franche

1999 – 2006 · E. Philip Cockshutt

2006 - 2011 · Michael A. Ball

- Kevin Goheen succeeds Michael A. Ball as Executive Director
- CAE begins its presence on Facebook
- "Canada: Winning as a Sustainable Energy Superpower", ed. Richard Marceau and Clem Bowman, published.

2012

• The CAE Energy Pathways Task Force's new book "Canada: Winning as a Sustainable Energy Superpower" is reported in a special Sustainable Energy supplement in The Globe and Mail on May 25, 2012





- CAE to co-host, with the Indian National Academy of Engineering, a technical workshop on Clean Coal Technologies
- CAE and Engineers Canada co-host a visit from the Beijing Association for Science and Technology

Gift from Beijing Association for Science and Technology



Surviving Founding Fellows

Pierre R. Belanger John S. MacDonald
Angus A. Bruneau Gordon M. MacNabb
Camille A. Dagenais James R. McFarlane
Bernard Etkin William G. Morison

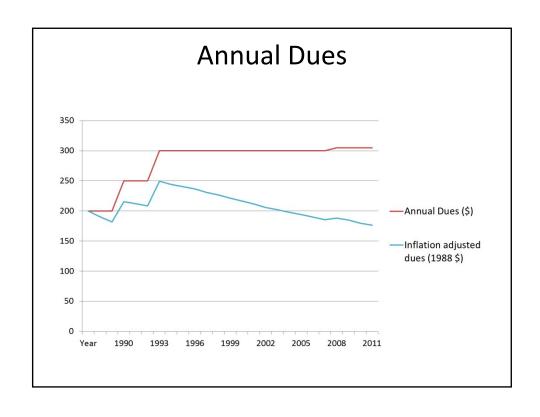
Jean-Paul Gourdeau Lucien Rolland Bernard Lamarre Ernest Siddall

Philip A. Lapp Douglas T. Wright

2012

CAE Membership

354 Active Fellows
149 Emeritus Fellows
3 Honorary Fellows
49 New Fellows
Total 555







Here's to even greater achievements in our second quarter century

CAE 25th Anniversary 1987 • 2012 25° anniversaire de l'ACG