

**CREATING THE FUTURE OF HEALTH:
The History of the Cumming School of Medicine
at the University of Calgary, 1967-2012**

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Appendix 1

Historic Milestones

1822	First medical school in Canada established in Montreal at McGill University
1867	Health care enshrined as a provincial responsibility in the British North America Act
1867	Canadian Medical Association formed
1875	Fort Calgary established with small infirmary service personnel and their families
1884	Canadian Pacific Railroad reaches Calgary and with it, the town's first civilian practitioner, Dr. Andrew Henderson (1853–1935)
1890–1	Calgary General and Holy Cross Hospitals open
1905	North-West Territories divided into two new provinces, Alberta and Saskatchewan
1905	Alberta Medical Foundation formed from the North-West Territories Medical Association
1912	Canada Medical Act passed, establishing the Medical Council of Canada
1913	Faculty of Medicine and a three-year program established at the University of Alberta in Edmonton
1925	First MD graduates from the University of Alberta
1929	Royal College of Physicians and Surgeons established
1937	Holy Cross Hospital accepts its first intern
1948	Calgary General Hospital accepts its first intern
1964	Hall Royal Commission on Health Services recommends a new medical school in Calgary
1965	Minister of Health Dr. Donovan Ross announces a \$25 million medical school for Calgary

- 1966 Premier of Alberta, Ernest Manning, announces plans for a faculty of medicine at the University of Calgary on the Foothills Hospital site
- 1966 University of Calgary becomes independent from the University of Alberta
- 1966 Foothills Hospital opens with 766 beds and its own board
- 1967 Dr. William (Bill) A. Cochrane was designated the first dean of the Faculty of Medicine at the University of Calgary
- 1968–70 Joint department heads appointed by the Foothills Hospital and Faculty of Medicine
- 1968–9 Internship and residency programs initiated at the Foothills Hospital (known since 1944 as the “University of Alberta at Calgary”)
- 1970 University of Calgary medical school accepts its first class of thirty students in a three-year, continuously taught program
- 1970 University of Calgary School of Nursing accepts its first class of fifty students
- 1971 Canada Medical Care Act provides universal medical insurance in all ten provinces
- 1972 PhD program in health sciences approved
- 1973 Dr. Lionel E. McLeod becomes the second dean of the U of C Faculty of Medicine
- 1973 First class of twenty-eight medical students graduate from the Faculty of Medicine in the newly opened Faculty of Medicine
- 1973 PhD program in medical sciences is established
- 1974 Dr. William (Bill) Cochrane appointed the third president of the University of Calgary
- 1975 Government of Alberta announces plans for an Alberta Heritage Savings Trust Fund; funding is to include “brain industries”
- 1978 Hippocrates statue donated to the Faculty of Medicine and erected in the atrium of the Health Sciences Centre
- 1980 Alberta Heritage Foundation for Medical Research established with an endowment of \$300 million

- 1981 Dr. Mamoru (“Mo”) Watanabe becomes the third dean of the Faculty of Medicine
- 1988 Heritage Medical Research Building completed
- 1991 First Annual History of Medicine Days Conference held
- 1992 Dr. Eldon R. Smith becomes the fourth dean of the Faculty of Medicine
- 1994 McCaig Institute for Bone and Joint Health established
- 1994 The first international medical student is admitted to the Faculty of Medicine
- 1994 University of Calgary budget decreases by 11 per cent, and the Faculty of Medicine budget by a similar amount
- 1994 All provincial hospital boards are replaced by a set of regional boards, including the Calgary Health Region Board
- 1997 Dr. D. Grant Gall becomes the fifth dean of the Faculty of Medicine
- 1997 “Leaders in Medicine” program founded
- 1999 Seaman Family Magnetic Resonance Centre established
- 2002 O’Brien Bachelor of Health Sciences established
- 2003 Alvin and Mona Libin Foundation donate \$15 million, to create the Cardiovascular Institute
- 2003 Faculty of Medicine international activities extend to over twenty-two countries
- 2003–9 McCaig Bone and Joint Centre (adjacent to the Foothills Hospital) is planned, built, and opened
- 2004 Hotchkiss Brain, Arnie Charbonneau Cancer, Maternal and Child Health, and Ward of the 21st Century (W21C) established
- 2004 *UCalgary Medicine* magazine begins publication (previously *Your Faculty*)
- 2005 Aboriginal Careers in Medicine Office approved
- 2006 Alberta Children’s Hospital moves to the University of Calgary, one kilometre from the Foothills Hospital site
- 2006–10 REACH! fundraising program raises \$312 million to strengthen existing programs and raise standards in others

- 2007 Dr. Tom Noseworthy and Dr. Robert Haslam named members of the Order of Canada, joining Drs. Cochrane, McLeod, Watanabe, Smith, Powell, Church, Kinsella, and Dixon, and to be followed later by Drs. Sutherland, Knudtson, and Guenter
- 2007 Dr. Tom E. Feasby appointed the sixth dean of the Faculty of Medicine
- 2007 NeuroArm, the world's first MRI-compatible surgical robot, begins operating
- 2007–10 Health Research Innovation Centre and Teaching, Research, and Wellness buildings are opened in several phases
- 2008 Alberta government abolishes existing health regions and replaces them with the Alberta Health Services Board
- 2008 Dr. Samuel Weiss awarded Gairdner International Award for his discovery of neural stem cells in the adult brain
- 2008 University of Calgary Faculty of Veterinary Medicine founded and located in the Health Research Innovation Centre
- 2008 The Aboriginal Health Program begins
- 2009 Snyder Institute for Chronic Diseases established
- 2009 Alberta Children's Hospital Research Institute for Child and Maternal Health approved
- 2009 Calgary Institute for Population and Public Health established (renamed O'Brien Institute for Public Health in 2014)
- 2010 Canadian Medical Hall of Fame inducts Faculty of Medicine inaugural dean Dr. William (Bill) A. Cochrane
- 2011 Duke and Duchess of Cambridge visit the Faculty's Ward of the 21st Century Research and Innovation Centre
- 2012 First class of the University of Calgary Faculty of Veterinary Medicine graduates
- 2012 Dr. Jon Meddings appointed the seventh dean of the Faculty of Medicine
- 2014 Faculty of Medicine receives \$200 million from Geoffrey Cumming and the Government of Alberta; medical faculty is renamed as the Cumming School of Medicine

Appendix 2

Faculty Institutes and Major Research Centres (to 2020)

Research Institute	Opened	Directors	Major Donations
Julia McFarlane Diabetes Research Centre	1986	2002- : Pere Santamaria 2002-4: David C.W. Lau	Donation: \$1.25 million (1979-83) (matched by the province)
Former names:		1988-2002: Ji-Won Yoon	Year: 2008
<i>Julia McFarlane Diabetes Research Unit (1983)</i>		1983-88: Daniel A. K. Roncari	Donor: John Thompson and family
Arnie Charbonneau Cancer Institute	2003	2013- : Gregory Cairncross	Donation: undisclosed
Former names:		2009-13: Stephen Robbins	Year: 2014
<i>Southern Alberta Cancer Research Institute (2003)</i>		2007-9: Peter Forsyth	Donor: Arnold "Arnie" Charbonneau
Research group:		2005-6: Christopher Brown	
<i>Cancer Biology Research Group</i>		2005: Susan Lees Miller (interim)	
		2004-5: Christopher Brown	

Research Institute	Opened	Directors	Major Donations
Alberta Children's Hospital Research Institute for Child and Maternal Health Former names: <i>Institute of Child and Maternal Health (2004)</i> <i>Child Health Research Centre (1994)</i> <i>Child Health Research Group (1990)</i> <i>Genetics Research Unit (1982)</i> <i>Behavioral Research Group (1978)</i>	2004	2018- : Susa Benseler 2009-18: R. Brent Scott 2007-9: Leon Browder (acting) 2006-7: R. Brent Scott (acting) 2004-6: James (Jay) Cross	
Calvin, Phoebe and Joan Snyder Institute for Chronic Diseases Former names: <i>Calvin, Phoebe and Joan Snyder Institute (2008)</i> <i>Institute of Infection, Inflammation, and Immunity (2004-8)</i>	2008	2004- : Paul Kubes	Donation: 2008: \$9 million Year: 2008 Donor: Joan Snyder
Libin Cardiovascular Institute of Alberta	2004	2009- : Todd Anderson 2004-9: Brent Mitchell	Donation: 2004: \$15 million Year: 2004 Donor: Alvin and Mona Libin

Research Institute	Opened	Directors	Major Donations
Hotchkiss Brain Institute	2004	2018- : David Park 2017-18: Keith Sharkey (Interim) 2004-17: Samuel Weiss	Donation: \$15 million Year: 2004 Donor: Harley and Rebecca Hotchkiss
McCaig Institute for Bone and Joint Health	2008	2016- : Steven Boyd 2015: Marvin Fritzler 2009-14: Nigel Shrive 2007-8: David Hart 2004-7: Cy Frank 2002-4: Nigel Shrive 1999-2002: Robert Bray 1996-9: Ron Zernicke 1993-5: David Hart 1988-93: Cy Frank	Donation: \$10 million (2017) Year: 1992 Donor: Project Motion and McCaig Family
Prior research groups/centres: <i>McCaig Centre for Joint Injury and Arthritis Research (1992)</i> <i>Joint Injury and Arthritis Research Group (1988)</i> <i>Musculoskeletal Research Group (1984)</i>			
O'Brien Institute for Public Health	2010	2010-2020: William Ghali 2020-present: Thomas H. Stelfox	Donation: 2009: \$12 million Year: 2009 Donor: David and Gail O'Brien
Former names: <i>Institute for Public Health (2014)</i> <i>Calgary Institute for Population and Public Health (2010)</i>			

Research Centre	Opened	Directors	Major Donations
Seaman Family Magnetic Resonance Centre	September 1999	<p>2017- : Robert Sevick (Medical Director)</p> <p>2017- : Brad Goodyear (Scientific Director)</p> <p>2010-17: Mayank Goyal (Medical Director)</p> <p>2010-17: Richard Frayne (Scientific Director)</p> <p>2007- : Garnette Sutherland (Intra- operative Program Director)</p> <p>2007-9: Mayank Goyal (High Field Program Director)</p> <p>2005-9: Robert Sevick (Scientific Director)</p> <p>1998-2005: Robert Sevick (High-field Program Director)</p> <p>1998-2005: Garnette Sutherland (Scientific Director)</p>	

Research Institute	Opened	Directors	Major Donations
Calgary Centre for Clinical Research	2005	Medical Directors	
		2014- : Derek Exner 2009-14: Michael Hill 2007-9: Samuel Wiebe 2005-7: Robert Sheldon	
		Operational Leads/ Directors	
		2016- : Sabine Moritz 2010-15: Shane Lacusta 2005-8: Francine “Fran” Heinrich	
W21C	April	2013- : Jill de Grood	
Former name: <i>Ward of the 21st Century</i>	2004 (within Calgary Health Region) August 2009 (within University of Calgary)	2011-13: Shandra Harman 2010-11: Carmella Duchscherer (maternity leave coverage for Shandra Harman) 2009-10: Shandra Harman (under University of Calgary) 2004-9: Shandra Harman (under Calgary Health Region) Medical Director: John Conly (2013-present); Scientific Director: William Ghali	

Research Institute	Opened	Directors	Major Donations
Brenda Strafford Centre on Aging	2011	2011- : David Hogan	
Mathison Centre for Mental Health Research and Education	2012	2015- : Paul Arnold 2012-15: Andrew Bulloch	Donation: \$10.8 million 2012: \$10 million Year: 2012 Donor: Ronald P. Mathison

Appendix 3

Approved Residency Programs

Residency Program	Year Established	Residency Program	Year Established
General Surgery	1969	*Medical Microbiology	1984-1998
Family Medicine	1969	Endocrinology and Metabolism (adult)	1985
Pediatrics	1969	Nephrology (adult)	1985
Anatomical Pathology	1970	*Nuclear Medicine	1985-2000
Anesthesiology	1970	Infectious Diseases (adult)	1986
Internal Medicine	1970	Medical Oncology	1986
Neurosurgery	1970	Endocrinology and Metabolism (pediatric)	1988
Obstetrics and Gynecology	1970	Gastroenterology (pediatric)	1988
Psychiatry	1970	Infectious Diseases (pediatric)	1988
Orthopedic Surgery	1971	Respirology (pediatric)	1988
Diagnostic Radiology	1975	Neonatal-Perinatal Medicine	1989
Plastic Surgery	1975	Neuropathology	1990
Rheumatology (adult)	1975	Medical Genetics	1991
Respirology (adult)	1978	Critical Care Medicine (adult)	1991
Neurology (adult)	1980	Gynecologic Oncology	1993
Gastroenterology (adult)	1980	Neuroradiology	1995-2003*
Cardiology (adult)	1981	New Application	2011
Public Health and Preventive Medicine	1981	General Surgical Oncology	1996
Emergency Medicine	1982	Radiation Oncology	2000
Neurology (pediatrics)	1982	Geriatric Medicine	2000
Pediatric Neurology	1982	Pediatric Emergency Medicine	2001
Hematology	1984	Palliative Medicine	2001

Residency Program	Year Established
Pediatric Surgery	2002
Physical Medicine and Rehabilitation	2003
Thoracic Surgery	2003
Otolaryngology—Head and Neck Surgery	2004
Vascular Surgery	2004
Colorectal Surgery	2004
Pediatric Hematology/Oncology	2004
Cardiac Surgery	2005
Ophthalmology	2005
Maternal-Fetal Medicine	2006
Pediatric Nephrology	2006
Developmental Pediatrics	2007
Dermatology	2009
Clinician Investigator Program	2009
General Pathology	2012
Child and Adolescent Psychiatry	2014
General Internal Medicine	2014
Medical Microbiology	2015
Pain Medicine	2016
Clinical Pharmacology and Toxicology	2017

* Withdrawn in 2003. Reapproved in 2011

Source: Royal College of Physicians and Surgeons of Canada;
College of Family Physicians of Canada.

Appendix 4

Endowed Chairs and Professorships

Created	Chair/Professorship	Current Holder* (year appointed)	Past Holders
1985	HSF Chair in Cardiovascular Research	Wayne Chen (2017)	Henry Duff (2004); Wayne Giles (1995); Christopher Triggle (1990)
1987	Campbell McLaurin Chair Hearing	Jun Yan (2013)	Jos Eggermont (1997)
1987	Arthritis Society Chair in Rheumatic Disease/Rheumatology	Ann Clarke (2013)	Marv Fritzler (1999)
1988	Julia McFarlane Chair in Diabetes Research	Pere Santamaria (2002)	Ji Won Yoon (1996)
1989	Novartis Chair in Schizophrenia Research	Jean Addington (2008)	Gerald Zamponi (1999); Brian MacVicar (1994)
1989	Jessie Boden Lloyd Prof.	Chris Mody (2004)	Jon Reynolds (1992)
1990	Brenda Strafford Foundation Chair in Geriatric Medicine	Jayna Holroyd-Leduc (2018)	David Hogan (1992)
1991	Crohn's and Collitis Foundation Chair in Inflammatory Bowel Disease Research	Keith Sharkey (2005)	John Wallace (1994)
1992	Merck Chair in Cardiovascular Research	Todd Anderson (2011)	Vacant (2004); Henk ter Keurs (1994)
1993	ACHF Chair in Pediatric Research	Brent Scott (1999)	
1993	Andrew Family Professorship in Cardiovascular Research	William Cole (2005)	Henry Duff (1997)
1994	Grace Glaum Professorship	Roman Krawetz (2013)	David Hart (1999)

Created	Chair/Professorship	Current Holder* (year appointed)	Past Holders
1994	HSF Chair in Stroke Research	Andrew Demchuk (2010)	
1995	AMF/Hannah Professorship in the History of Medicine (and Health Care)	Frank Stahnisch (2008)	Peter Cruse (1996); William Whitelaw (1999)
1995	Svare Professorship in Health Economics	Braden Manns (2014)	Herb Emery (2007); Cameron Donaldson (1995)
1997	Brenda Strafford Foundation Chair in Alzheimer Research	Marc Poulin (2012)	Minh Dang Nguyen (2011); Chris Power (2002)
1997	McCaig Professorship in Joint Injury and Arthritis	Steven Boyd (2012)	Cy Frank (1997)
1999	Parkinson's Society of Southern Alberta/Suter Professorship in Parkinson's Research	Bin Hu (2006)	Oksana Suchowersky (2000)
2000	John A. Buchanan Chair in General Internal Medicine	William Ghali (2003)	
2001	Calvin, Phoebe and Joan Snyder Chair in Critical Care Research	Paul Kubes (2005)	
2001	Roy and Joan Allen Professorship in Sight Research Professorship	Fiona Costello (2013)	Torben Bech-Hansen (2001)
2002	ACHF-KCCF Chair in Pediatric Oncology	Jennifer Chan (2015)	Vacant (2006); Max Coppes (2003)
2002	ACF Chair in Brain Tumor Research	Gregory Cairncross (2002)	
2003	Engineered Air Chair in Cancer Research	Susan Lees-Miller (2003)	
2004	GSK Professorship in Inflammatory Lung Disease	Richard Leigh (2006)	
2005	ACHF Barb Ibbotson Chair in Pediatric Hematology	Faisal Khan (2010)	Vacant (2005)

Created	Chair/Professorship	Current Holder* (year appointed)	Past Holders
2005	ACHF Professorship in Pediatric Surgery	Frankie Fraulin (2014)	David Sigalet (2006)
2005	Dr. Frank Leblanc Chair in Spinal Cord Injury	Patrick Whelan (2017)	Peter Stys (2007)
2005	Enbridge Research Chair in Psychosocial Oncology	Linda Carlson (2007)	
2005	Lance Armstrong Chair in Molecular Cancer Epidemiology	David Brenner (2017)	Winston Chung (2016); Hans Vogel (2011)
2005	Arthur J. E. Child Chair in Rheumatology Research	Deborah Marshall (2012)	John Esdaile (2010)
2006	ACHF Dr. Robert Haslam Chair in Pediatric Neurology	Jong Rho (2010)	
2006	ACHF Professorship in Child Health and Wellness	Stephen Freedman (2015)	Brent Hagel (2005)
2007	ACHF Husky Energy Chair in Child and Maternal Health	Brent Scott (1999)	
2007	Roy and Vi Baay Chair in Kidney Research	Brenda Hemmelgarn (2011)	
2008	ACHF Cuthbertson and Fischer Chair in Pediatric Mental Health	<i>Currently vacant</i>	Frank MacMaster (2010)
2008	ACHF Professorship in Pediatric Rehabilitation	Carolyn Emery (2009)	
2008	Hopewell Professorship in Brain Imaging	Richard Frayne (2010)	
2009	Hopewell Professorship in Clinical Neurosciences Research	Sam Wiebe (2010)	
2009	N. B. Hershfield Professorship in Therapeutic Endoscopy	Steve Heitman (2013)	
2009	Sutherland Professorship in GI/IBD Research	Simon Hirota (2013)	

Created	Chair/Professorship	Current Holder* (year appointed)	Past Holders
2010	Cal Wenzel Family Foundation Chair in Hepatology	Mark Swain (2010)	
2010	ACF The Weekend to End Women's Cancer Chair in Breast Cancer Research	Christine Friedenreich (2012)	
2010	Ohlson Family Professorship in Head and Neck Surgery	Joseph Dort (2008)	
2011	Tourmaline Oil Chair in Parkinson's Disease	Oury Monchi (2014)	
2011	Bob and Nola Rintoul Chair in Bone and Joint Research	Steven Boyd (2012)	
2011	HSF-HBI Professorship in Stroke Research	Michael Hill (2012)	
2011	HSF-Libin Professorship in Cardiovascular Research	Wayne Chen (2012)	
2012	Katthy Taylor Chair in Vascular Dementia	Eric Smith (2012)	
2012	Director, Mathison Centre for Mental Health Research & Education	Paul Arnold (2015)	
2012	Cal Wenzel Family Foundation Endowment in Cardiometabolic Disease	Mark Swain (2010)	Paul Raschke (2012)
2015	David Freeze Chair in Health Research	Marcello Tonelli (2014)	

*Current chairs as of December 2015.

Source: Cumming School of Medicine, Core Facilities and Strategic Projects.

Appendix 5

Select International and National Award Recipients

Year	Award	Recipient
1974	Rhodes Scholarship	William Hughson
1975	Rhodes Scholarship	Jonathan Heston
1981	Rhodes Scholarship	Erik Pioro
1985	Rhodes Scholarship	William Gnam
1989	Order of Canada	William Cochrane
1993	Order of Canada	Gordon Dixon
1994	Order of Canada	T. Douglas Kinsella
2000	Rhodes Scholarship	An-Wan Chan
2000	Order of Canada	Robert Church
2000	3M National Teaching Fellowship	Allan Jones
2000	3M National Teaching Fellowship	Donald Kline
2000	Canadian Medical Association Medal of Service	William Cochrane
2001	Order of Canada	Mamoru Watanabe
2005	Canadian Medical Association Medal of Service	Eldon Smith
2005	Order of Canada	Eldon Smith
2006	Order of Canada	D. Gregory Powell
2007	William E. Rawls Prize	Linda Carlson (Oncology)
2007	Order of Canada	Robert Haslam
2007	Order of Canada	Thomas Noseworthy
2007	Heart & Stroke Foundation of Canada's Leadership Award in Heart Healthy Policy 2007	Norm Campbell (Medicine/ Pharmacology and Therapeutic/ Community Health Sciences)

Year	Award	Recipient
2007	Distinguished Service Award, Canadian Geriatrics Society	David B. Hogan
2008	Award for Improvement of Social Infrastructure/ Condition (specifically for his work with the Sudanese Physician Reintegration Program) (co-funded by the Canadian International Development Agency [CIDA] and Canadian Manufacturers & Exporters [CME])	Rod Crutcher (Family Medicine)
2008	Canadian Nurses Association Centennial Award	Kathryn J. Hannah (Community Health Sciences)
2008	Osler Award from the 2008 Canadian Society of Internal Medicine	Robert Herman (Medicine)
2008	Duncan Graham Award, Royal College of Physicians and Surgeons	John Parboosingh (Professor Emeritus of Medical Education and Obstetrics and Gynaecology)
2008	World Federation of Hemophilia 2008 International Healthcare Volunteer Award	Man-Chiu Poon (Medicine, Pediatrics, and Oncology)
2008	Gairdner International Award	Samuel Weiss
2008	Canadian Cardiovascular Congress Annual Achievement Award	George Wyse (Cardiac Sciences, and Medicine)
2009	Canadian Association for Medical Education, Ian Hart Award for Distinguished Contribution in Medical Science	Jocelyn Lockyer
2009	Canadian Medical Hall of Fame	William Cochrane (President Emeritus)
2009	Dr. Rogers Prize for Excellence in Complementary and Alternative Medicine	Badri Rickhi (Department of Psychiatry)
2009	Colitis Foundation of Canada Research Leadership Award 2009	Keith Sharkey (Department of Physiology and Pharmacology)
2009	Canadian Society for Clinical Investigation 2009 Distinguished Scientist Award	Morley Hollenberg (Departments of Pharmacology and Therapeutics and Medicine)

Year	Award	Recipient
2009	Canadian Cardiovascular Society Distinguished Teacher Award	Israel Belenkie (Department of Medicine)
2009	Canadian Rheumatology Association Distinguished Rheumatologist Award 2009	Martin Atkinson (Department of Medicine)
2009	College of Family Physicians of Canada Jean-Pierre Despins Award 2009	Richard Ward (Department of Medicine)
2009	Canadian Health Services Research Foundation—Research Advancement Award	Peter Norton (Department of Family Medicine)
2009	College of Family Physicians of Canada Lifetime Achievement Award in Family Medicine Research	Wayne Elford (Professor Emeritus of Family Medicine)
2009	Royal College of Physicians and Surgeons of Canada 2009 Prix d'excellence for Region 1	Cheri Nijssen-Jordan (Department of Pediatrics)
2009	Association of Physical Medicine & Rehabilitation Award of Merit	John Latter (Department of Pediatrics)
2009	Royal College of Physicians and Surgeons 2009 RAC 1 Prix d'excellence	Maria Bacchus (Department of Internal Medicine)
2010	Order of Canada	Clarence Guenter
2010	RCPSC Prix d'excellence 2010	David B. Hogan
2010	RCPSC Mentor of the Year Royal College Region 1	M. Elizabeth MacRae
2010	Royal College of Physicians and Surgeons of Canada—2011 Duncan Graham Award	Henry Mandin
2010	RCPSC/Associated Medical Services Donald Richards Wilson Award	Otto Rorstad
2010	Canadian Federation of Medical Students Faculty Teaching Award	Morton Doran
2010	Canadian Association for the Study of the Liver—Distinguished Service and Meritorious Achievement	Eldon Shaffer
2010	John R. Graham Clinicians' Forum Award—American Headache Society	Werner Becker

Year	Award	Recipient
2010	2010 Canadian Medical Association Award for Young Leaders	Laura Stinton
2010	CSCI/Royal College Henry Friesen Award and Lecture (2010)	Paul Kubes
2010	Michael S. Pessin Stroke Leadership Prize—American Academy of Neurology	Shelagh Coutts
2010	US National Center for Responsible Gambling (NCRG) 2010 Scientific Achievement Award	David Hodgins
2010	Innovations in Neuropsychopharmacology Research Award	Sam Weiss
2011	Rhodes Scholarship	Braden O'Neill
2011	Canadian Institutes of Health Research, Health Researcher of the Year	Paul Kubes
2011	Royal Society of Canada McLaughlin Medal	Morley Hollenberg
2011	Royal College of Physicians and Surgeons of Canada Region 1—Mentor of the Year Award	Suzette Cooke (Pediatrics)
2011	Canadian Association of Gastroenterology—Education Excellence Award	Eldon Shaffer (Medicine)
2011	Canadian Association of Interns and Residents—Derek Puddester Resident Well-being Award	Keith Wycliffe-Jones (Family Medicine)
2011	Canadian Medical Association 2011 Young Leaders Award (student category)	Dave Campbell (medical student)
2011	Association of Faculties of Medicine of Canada—Outstanding Contribution to Faculty Development in Canada	Lara Cooke (Clinical Neurosciences)
2011	Canadian Anesthesiologists Society—Clinical Teachers of the Year	David Archer (Anaesthesia and Clinical Neurosciences)
2011	Royal College of Physicians and Surgeons of Canada—Program Director of the Year award	Joel Fox (Anaesthesia)
2011	Society of Obstetricians and Gynecologists of Canada—Distinguished Service Award	Douglas Wilson (Obstetrics and Gynaecology and Medical Genetics)

Year	Award	Recipient
2011	Canadian Psychiatry Association—C. A. Roberts Award for Clinical Leadership	Donald Addington (Psychiatry)
2011	Canadian Pediatric Society—Distinguished Neonatologist Award	Reginald Sauve (Community Health Sciences and Pediatrics)
2011	Canadian Diabetes Association—Gerald S. Wong Service Award	Stuart Ross (Medicine and Community Health Sciences)
2011	Canadian Institutes of Health Research—Researcher of the Year award	Paul Kubes (Physiology and Pharmacology, Medicine, Critical Care Medicine, and Microbiology, Immunology and Infectious Diseases)
2011	Canadian Association of Gastroenterology—Research Excellence Award	Paul Kubes (Physiology and Pharmacology, Medicine, Critical Care Medicine, and Microbiology, Immunology and Infectious Diseases)
2011	Canadian Association of Radiation Oncology RAZCER Award	Corrine Doll (Oncology)
2011	CIHR-CMAJ Top Achievements in Health Research	William Ghali, Merrill Knudtson, and Diane Galbraith (Approach Team)
2011	Canadian Society of Microbiology Murray Award for Career Achievement	George Chaconas (Biochemistry and Molecular Biology and Microbiology, Immunology and Infectious Diseases)
2011	American College of Chest Physicians—Alton Ochsner Award	Shabih Hasan (Pediatrics)
2011	American Neurological Association—Wolfe Research Prize for Investigators Identifying New Causes or Novel Treatments of Axonal Peripheral Neuropathy	Douglas Zochodne (Clinical Neurosciences)
2011	Lotte & John Hecht Memorial Foundation—Rogers Prize for Excellence in Complementary & Alternative Medicine	Marja Verhoef (Community Health Sciences and Medicine)

Year	Award	Recipient
2011	Governor General Gold Medal Award	Dustin Anderson (MD/PhD Candidate, University of Calgary)
2011	Royal Society of Canada McLaughlin Medal	Morley Hollenberg (Physiology and Pharmacology and Medicine)
2011	Order of Canada	Garnette Sutherland (Department of Clinical Neurosciences)
2012	Order of Canada	Merrill Knudtson (Departments of Cardiac Sciences/Medicine)
2012	CSCI/RCPSC Henry Friesen Award 2012	Morley Hollenberg (Departments of Physiology and Pharmacology/ Medicine)
2012	NSERC Brockhouse Canada Prize (for ground-breaking work in glycobiology)	Glen Armstrong and colleagues (Department of Microbiology, Immunology and Infectious Diseases)
2012	Royal College of Physicians and Surgeons of Canada Medal Award	Brenda Hemmelgarn (Departments of Medicine/Community Health Sciences)
2012	American Gastroenterological Association— Research Mentor Award	Paul Beck (Department of Medicine)
2012	American Institute of Ultrasound in Medicine— Joseph H. Holmes Clinical Pioneer Award	Stephanie Wilson (Departments of Diagnostic Imaging/Medicine)
2012	American Society for Surgery of the Hand— Andrew J. Weiland Medal for Outstanding Research	Kevin Hildebrand (Department of Surgery)
2012	Canadian Association of Gastroenterology Education Excellence award	Sylvain Coderre (Department of Medicine)
2012	Canadian Association of Interns and Residents— Dr. Joseph Mikhael Award for Medical Education	Lara Cooke (Department of Clinical Neurosciences)

Year	Award	Recipient
2012	Canadian Association of Professors of Medicine— Ronald Christie Award	John Conly (Departments of Medicine/Pathology and Laboratory Medicine/ Microbiology, Immunology and Infectious Diseases)
2012	Canadian Medical Association Misericordia Award	Dianne Maier (Department of Psychiatry)
2012	Canadian Nutrition Society Centrum New Scientist Award	Raylene De Bruyn (nee Reimer) (Department of Kinesiology/ Biochemistry and Molecular Biology)
2012	Canadian Society for Immunology Cinader Award	Paul Kubes (Departments of Physiology and Pharmacology/ Medicine/Critical Care Medicine/ Microbiology, Immunology and Infectious Diseases)
2012	Chron's and Colitis Foundation of Canada— Finkelstein Award 2012	Remo Panaccione (Department of Medicine)
2012	Hypertension Canada J. G. Fodor Award For Prevention And Control Of Hypertension	Norman Campbell (Departments of Medicine/Physiology and Pharmacology/Community Health Sciences)
2012	Jessica Kerber Researcher for Stroke Prevention and Aftercare, Heart & Stroke Foundation	Paul Kubes (Departments of Physiology and Pharmacology/ Medicine/Critical Care Medicine/ Microbiology, Immunology and Infectious Diseases)
2012	Johnson Award, Queens University 2012	Janice Heard (Department of Pediatrics)
2012	NASA Exceptional Engineering Achievement Medal	Doug Hamilton (Department of Medicine)

Year	Award	Recipient
2012	Royal College Accredited CPD Provider Innovation Award	Jocelyn Lockyer, Dr. Claudio Violato, and colleagues at CPSA (Departments of Community Health Sciences)
2012	Royal College of Physicians and Surgeons of Canada prix d'excellence Region 1 2012	Keith Brownell (Departments of Clinical Neurosciences/Medicine)
2012	Society of Radiologists in Ultrasound—Lawrence A. Mack Lifetime Achievement Award	Stephanie Wilson (Departments of Diagnostic Imaging/Medicine)
2012	AESKU Award for Lifetime Contribution to Autoimmunity	Marvin Fritzler (Departments of Medicine / Biochemistry and Molecular Biology)
2012	Canadian Cancer Society—Dr. Peter Geggie Award for Outstanding Community Engagement	Barry Bultz (Department of Oncology)
2012	Distinguished Achievement Award—Outstanding Contributions to Biomedical Research by Pakistan-Canada Association	Naweed Syed (Departments of Cell Biology and Anatomy/Physiology and Pharmacology)

Source: Cumming School of Medicine, Fund Development.

Appendix 6

Deans, Vice Deans, Associate Deans, and Assistant Deans

Dean:	William Cochrane (1967-73)	Lionel McLeod (1973-81)	Moramu Watanabe (1981-92)	Eldon R. Smith (1992-7)	D. Grant Gall (1997-2007)	Thomas Feasby (2007-12)
Vice Dean:					Hans van de Sande (1998-2005)	R. Brent Scott (2008-9)
					Pam A. Sokol (2005-7)	Jon B. Meddings (2010-12)
Senior Associate Deans:						Clinical Affairs: Ronald J. Bridges (2011-12)
						Education: Benedikt Hallgrimsson (2009-12)
						Research: Richard B. Hawkes (2009-12)

Dean:	William Cochrane (1967-73)	Lionel McLeod (1973-81)	Moramu Watanabe (1981-92)	Eldon R. Smith (1992-7)	D. Grant Gall (1997-2007)	Thomas Feasby (2007-12)
Associate Deans:	Clinical Affairs: John W. Dawson (1968-72)	Professional Services: Lionel McLeod (1973-9)	Clinical Services: Eldon R. Smith (1991-2)	Clinical Services: D. George Wyse (1993-7)	Clinical Affairs: D. George Wyse (1998-9); Martin H. Atkinson (2000-7)	Clinical Affairs: Ronald J. Bridges (2008-10)
	Instructional Resources: Stanley Rowlands (1968-72)	Education: A. David Dickson (1973-1976) Moramu Watanabe (1977-80)	Education: John Baumber (1982-8)	Graduate Clinical Education: A. Keith Brownell (1993-7)	Graduate Clinical Education: Jill D. Nation (1998-2007)	Post Graduate Medical Education: Joanne M. Todesco (2008-12)
	Professional Affairs: Lionel McLeod (1972-3)	Continuing Medical & Graduate Medical Education: Gerald M. McDougall (1980-1)	Graduate Clinical & Continuing Medical Education: Gerald M. McDougall (1982-8); A. Keith Brownell (1989-90)	Continuing Medical Education: John T. Parboosingh (1993); John Toews (1994-7)	Continuing Medical Education: John Toews (1998-2004); Bruce J. Wright (2005-6); Jocelyn Lockyer (2007)	Graduate Sciences Education: Frans A. van der Hoorn (2007-12)
	Education: A. David Dickson (1972-3)	Research: Keith L. MacCannell (1973-4); Warren Veale (1974-80); Robert B. Church (1980-1); Moramu Watanabe (1981)	Graduate Clinical Education: A. Keith Brownell (1991-2)	Undergraduate Education: Henry Mandin (1993-6); Allan R. Jones (1997)	Undergraduate Medical Education: Allan R. Jones (1998-2006); Bruce J. Wright (2007)	Undergraduate Science Education: Benedikt Hallgrimsson (2008); Anthony B. Schryvers (2009-12)

Dean:	William Cochrane (1967-73)	Lionel McLeod (1973-81)	Moramu Watanabe (1981-92)	Eldon R. Smith (1992-7)	D. Grant Gall (1997-2007)	Thomas Feasby (2007-12)
Research: Keith L. MacCannell (1972-3)			Continuing Medical Education: John T. Parboosingh (1991-2)	Research: D. Grant Gall (1993); Hans van de Sande (1993-6); Marvin J. Fritzler (1996-7)	Graduate Sciences Education: Pamela A. Sokol (1997-2000); R. Hawkes (1999-2003); Frans A. van der Hoorn (2004-7)	International Global Health: Taj Jadavji (2008-9); J. M. Hatfield (2010-12)
			Undergraduate Education: Henry Mandin (1989-92)		Undergraduate Science Education: Benedikt Hallgrimsson (2005-7)	Faculty Assessment & Development: Kamala D. Patel (2012)
			Research: Robert B. Church (1982-8); D. Grant Gall (1989-92)		Rural & Regional Affairs: Douglas L. Myhre (2005-7)	Distributed Learning & Rural Initiatives: Douglas L. Myhre (2008-12)
					International Health: Taj Jadavji (2003-7)	Research: John D. Reynolds (2010-12)
					Research: Marvin J. Fritzler (1998-9); Chris R. Trigg (2000-3); Richard B. Hawkes (2004-7)	Clinical Research: Robert S. Sheldon (2008); Michael D. Hill (2010-12)

Dean:	William Cochrane (1967-73)	Lionel McLeod (1973-81)	Moramu Watanabe (1981-92)	Eldon R. Smith (1992-7)	D. Grant Gall (1997-2007)	Thomas Feasby (2007-12)
					Clinical Research: Robert S. Sheldon (2006-7)	
Assistant Deans:		Admissions & Student Affairs: John Baumber (1975-9)	Medical Bioethics: T. Douglas Kinsella (1984-92)	Medical Sciences: Pam A. Sokol (1993-6)	Assistant Deans not listed in CMA Directory after 1997	Assistant Deans not listed in CMA Directory after 1997
		Ambulatory Care Centre: David Steinman (1974-8)	Education: Mark Bisby (1982-3); Guido Van Rosendaal (1984-6); Ellen Burgess (1987-9); Chris Eagle (1990-1)	Undergraduate Medical Education: Allan R. Jones (1995-6); J. G. Des Coteaux (1997)		
		Education: Mark Bisby (1980-1)	Graduate Clinical Education: A. Keith Brownell (1985)	Graduate Education & Research: Pam A. Sokol (1997)		
			Continuing Medical Education: John T. Parboosingh (1985-90)			

Dean:	William Cochrane (1967-73)	Lionel McLeod (1973-81)	Moramu Watanabe (1981-92)	Eldon R. Smith (1992-7)	D. Grant Gall (1997-2007)	Thomas Feasby (2007-12)
		Research: Richard S. Hannah (1979-80); David L. Severson (1981)	Research: David L. Severson (1982-3); Gilbert A. Schultz (1984-6); Mark Bisby (1987-9); Quentin Pittman (1990); Robert B. Church (1991-2)			
Admin- istration in Dean's Office:		Assistant to the Dean (Ad- ministration): Mr. Sid R. Wallace (1976-9); Miss V. Bald- win (1980-1)	Assistant to the Dean: Miss V. Bald- win (1982); Mr. S. Patton (1983); S. K. Paton (1984-9); Ms. Jane E. Eibner (1990-2)	Assistant to the Dean: Jane E. Eibner (1993-7)	Executive Director: Jane E. Eibner (1998); Paul Heinrich (1999-2005)	Executive Director: Paul Heinrich (2008); Rita Neogy (2009-10)
		Assistant to the Dean (Finance): Mr. S. Patton (1976-81)	Assistant to the Dean (Finance): Mr. S. Patton (1982)		Executive Director & CFO: Paul Heinrich (2006-)	CFO: M. Guy Levy (2009-10)
						Executive Director & CFO: M. Guy Levy (2011-12)

Source: The Dean's Office did not keep a record of these appointments so this table was constructed from an appendix appearing in the annual *Canadian Medical Directory* (CMD). We recognize that there are some errors arising from temporal differences between when the Dean's Office reported this information and the CMD was actually published. We have corrected the list when we know of an inconsistency, but there may still be some errors here.

Appendix 7

Academic Department Heads ("Division Heads" until 1980)

DEPARTMENT *	DEPARTMENT HEAD *					
Anaesthesia	Fred Parney 1970-8	Robert C. Hamilton (Acting) 1978-80	Leo Strunin 1980-8	Roger Maltby (Acting) 1989-90	Chris J. Eagle 1990-9	Gerry V. Goresky 1999-2004
	J. N. (Neil) Armstrong 2004-13	Craig Pearce (Acting) 2013-14	Gary Dobson 2015-			
Biochemistry & Molecular Biology Previously: Medical Biochemistry	Robert Church 1967-83	Gordon Dixon 1983-8	Hans van de Sande 1988-93	Gil Schultz 1993-9	Leon Browder 1999-2009	Jonathan Lytton 2009-
Cardiac Sciences	Brent Mitchell 2003-10	Todd J. Anderson 2010-				
Cell Biology and Anatomy Previously: Morphological Sciences	A. David Dickson 1968-75	Martin I. Hollenberg 1975-8	Peter G. Price (Acting) 1978-80	William K. Stell 1980-5	Anthony W. F. Fisher (Acting) 1985-7	Anthony W. F. Fisher 1987-9
	Richard B. Hawkes 1989-99	John D. Reynolds 1999-2004	Naweed I. Syed 2004-14	Benedikt Hallgrimsson 2014-		
Clinical Neurosciences	Robert G. Lee 1981-91	Thomas E. Feasby 1991-2002	J. Gregory Cairncross 2002-12	Rajiv Midha 2012-		

DEPARTMENT *	DEPARTMENT HEAD *					
Community Health Sciences	John Read 1968-79	Edgar Love 1979-94	Lloyd Sutherland 1995-2002	Reg Sauve (Acting) 2002-3	Tom Noseworthy 2003-10	Christopher James Doig 2010-13
	Gordon Fick (Interim) 2013-14	Brenda Hemmelgarn 2014-				
Critical Care Medicine	Paul Boiteau (Interim) 2001-3	Paul Boiteau 2003-13	Christopher James Doig 2013-			
Emergency Medicine	Grant Innes 2012-13	Eddy Lang 2013-				
Family Medicine	Thomas C. Saunders (Acting) 1969-72	William M. Gibson 1972-8	George D.H. McQuitty 1978-9	Thomas C. Saunders 1980-1	E. Bruce Challis 1981-91	Rick W. Swanson 1991-6
	William G. Hall (Acting) 1996-7	Michael Tarrant (Acting) 1997-8	Peter G. Norton 1998-2006	Douglas Myhre (Acting) 2006-7	Catherine McLean 2007-12	Dennis Kreptul (Interim) 2012-13
	Charles Leduc 2013-					
Medical Biophysics Merged with Physiology and Biophysics	Stanley Rowlands 1968-81					
Medical Genetics	R. Brian Lowry 1994-7	Floyd Snyder (Acting) 1997-8	Floyd Snyder 1998-2005	Oksana Suchowersky 2005-10	Judy Chernos (Acting & Interim) 2010-12	Francois Bernier 2012-

DEPARTMENT *	DEPARTMENT HEAD *					
Medicine	Lionel McLeod 1968-74	Mo Watanabe 1974-6	Clarence Guenter 1976-85	Eldon Smith 1985-90	Eldon Shaffer 1990-2001	Dave Megrant (Acting) 2001-2
	John Conly 2002-10	Maria Bacchus (Acting) 2010-11	Subrata Ghosh 2011-			
Microbiology, Immunology & Infectious Diseases	Larry Bryan 1978-88	Don Woods 1988-98	Dave Hart 1998-2003	Glen Armstrong 2003-13	Christopher Mody 2013-	
Obstetrics & Gynaecology	Harry Brody 1970-5	Robert Wintemute (Acting) 1975-7	Melville Kerr 1977-86	Jeffrey Lipshitz (Acting) 1986-7	Gavin Stuart (Acting) 1987-8	John Jarrell 1988-94
	Thomas Mainprize (Acting) 1994-6	Ian Lange (Acting) 1996-7	Ian Lange 1997-2008	R. Douglas Wilson 2008-		
Oncology	Gavin Stuart 1993-2003	Peter Craighead (Interim) 2003-4	George Browman 2004-6	Peter Craighead 2006-		
Pathology & Laboratory Medicine	Robert Lannigan 1970-81	Barry Rewcastle 1981-91	Hallgrimur Benediktsson (Acting) 1991-3	Hallgrimur Benediktsson 1993-2004	Martin Trotter (Acting) 2004-5	James R. Wright, Jr. 2005-
Pediatrics	William Cochrane (Acting) 1967-9	Gerald Holman 1969-74	Robert McArthur (Acting) 1974-5	Robert Haslam 1975-86	Robert McArthur 1986-91	Joel Fagan (Acting) 1991-3
	Grant Gall 1993-7	Raymond Donckerwolcke (Acting) 1997-8	Brent Scott 1998-2007	Francois Belanger (Acting) 2007-8	James D. Kellner 2008-	

DEPARTMENT *	DEPARTMENT HEAD *					
Physiology & Biophysics Previously: Medical Physiology Merged w/ Physiology and Pharmacology	Keith Cooper 1970-8	Warren Veale (Acting) 1979	Warren Veale 1980-9	Joe Davison 1989-98	Wayne Giles 1999-2003	David Proud 2004-9
	Gerald W. Zamponi 2009-10					
Pharmacology & Therapeutics Merged w/ Physiology & Biophysics	Keith MacCannell 1970-4	Gary R. Van Petten (Acting) 1975-6	Gary R. Van Petten 1976-7	Sheldon Roth (Acting) 1977-9	Morley Hollenberg 1979-89	Sheldon Roth (Acting) 1989-90
	Christopher R. Triggie 1990-9	Sheldon Roth (Acting) 1999-2001	Christopher R. Triggie (Acting) 2001	David Severson (Acting) 2002-3	David Severson 2003-9	
Physiology & Pharmacology	Gerald W. Zamponi 2008-12	Paul Schnetkamp (Acting) 2012-13	Wallace K. MacNaughton 2013-			
Psychiatry	Keith Pearce 1969-80	David Lewis (Acting) 1980-2	Sebastian Littmann 1982-6	David Miyachi (Acting) 1986-7	Nady El- Guebaly 1987-96	David Miyachi (Acting) 1996-7
	Donald Addington 1997-2008	Glenda McQueen 2008-11	Beverly Adams 2011-			
Radiology	H. E. Duggan 1970-8	H. F. Morrish 1979-89	R. D. Johns 1989-92	Chen Fong 1996-2006	Robert Sevick 2006-	
Surgery	N. Tait McPhedran 1969-81	Peter J. E. Cruse 1981-8	Robert McMurtry 1988-92	Rene Lafreniere 1993-2006	John B. Kortbeek 2006-	

* It should be noted that until 20 November 1980, all “departments” and “department heads” were officially referred to as “divisions” and “division heads.” This list was compiled from the following sources, which were not always in total agreement: current department heads and their office staff, the *Canadian Medical Directory* appendices, and the personal recollections of the authors.

Appendix 8

Cumming School of Medicine Accreditation Reviews

VISIT	RESULT
Committee on Accreditation of Canadian Schools (CACMS formerly the LCME)	
April 13-17, 1970	Provisional accreditation prior to entrance of first class
April 2-5, 1973	Full accreditation
April 14-17, 1975	Full accreditation
April 14-17, 1980	Full accreditation
February 25-28, 1985	Full accreditation
May 31-June 3, 1993	Full accreditation
March 29-30, 2000	Full accreditation
March 2-5, 2008	Full accreditation
March 23-24, 2009	Full accreditation
Committee on Accreditation of Canadian Medical Education (CACME)	
June 8-9, 1997	Full accreditation
May 12-13, 2003	Full accreditation
June 9-10, 2008	Full accreditation
November 18-19, 2013	Full accreditation
Accreditations by the Royal College of Physicians and Surgeons of Canada (RCPSC)	
April 13-17, 1970	Full accreditation
April 2-5, 1973	Full accreditation
April 14-17, 1975	Full accreditation
April 14-17, 1980	Full accreditation
February 25-28, 1985	Full accreditation
February 5-11, 1991	Full accreditation
February 10-14, 1997	Full accreditation
February 3-7, 2003	Full accreditation
February 22-27, 2009	Full accreditation

Source: Association of Faculties of Medicine of Canada; Cumming School of Medicine, Education Quality Improvement & Office of Health and Medical Education Scholarship, and the Royal College of Physicians and Surgeons of Canada. The Foothills Hospital is separately accredited and has received full accreditation every 3-4 years since 1967. It is also an accredited Stroke Rehabilitation and Trauma hospital.

Appendix 9

Annual Operating Budget, 1966-2013

1966-7 (ending 31 March 1967)

Dean	\$23,000
Assistant to Dean	\$12,000
Secretary	\$4,200
Pensions	\$1,620
Supplies/Sundries	\$1,800
Total	\$42,620
(ESTIMATED)	

1967-8 (ending 31 March 1968):
\$116,500 (ACTUAL)

1968-9 (ending 31 March 1969):
\$415,000 (ACTUAL)

1969-70 (ending 31 March 1970):
\$653,281 (ACTUAL)

1970-1 (ending 31 March 1971):
\$1,350,000 (ESTIMATED)

1971-2 (ending 31 March 1972):
\$1,838,970 (ACTUAL)

1972-3 (ending 31 March 1973):
\$2,526,777 (ACTUAL)

1973-4 (ending 31 March 1974):
\$3,008,025 (ACTUAL)

1974-5 (ending 31 March 1975):
\$3,435,880 (ACTUAL)

1975-6 (ending 31 March 1976):
\$4,058,040 (ACTUAL)

1976-7 (ending 31 March 1977):
\$4,610,482 (ACTUAL)

1977-8 (ending 31 March 1978):
\$5,142,765 (ACTUAL)

1978-9 (ending 31 March 1979):
\$5,587,815 (ACTUAL)

1979-80 (ending 31 March 1980):
\$6,020,215 (ACTUAL)

1980-1 (ending 31 March 1981):
\$6,851,570 (ACTUAL)

1981-2 (ending 31 March 31 1982):
\$7,975,085 (ACTUAL)

1982-3 (ending 31 March 1983):
\$9,200,315 (ACTUAL)

1983-4 (ending 31 March 1984):
\$9,971,200 (ACTUAL)

1984-5 (ending 31 March 1985):
\$10,225,610 (ACTUAL)

1985-6 (ending 31 March 1986):
\$11,028,765 (ACTUAL)

1986-7 (ending 31 March 1987):
\$10,532,030 (ESTIMATED)

1987-8 (ending 31 March 1988):
\$11,287,700 (ESTIMATED)

1988-9 (ending 31 March 1989):
\$11,304,100 (ESTIMATED)

1989-90 (ending 31 March 1990):
\$12,809,400 (ACTUAL)

1990-1 (ending 31 March 1991):
\$13,478,310 (ACTUAL)

1991-2 (ending 31 March 1992):
\$14, 680, 855 (ACTUAL)

1992-3 (ending 31 March 1993):
\$15, 214, 360 (ACTUAL)

1993-4 (ending 31 March 1994):
\$15,444,515 (ACTUAL)

1994-5 (ending 31 March 1995):
\$14,575,610 (ACTUAL)

1995-6 (ending 31 March 1996):
\$14,343,400 (ACTUAL)

1996-7 (ending 31 March 1997):
\$14,210,145 (ACTUAL)

1997-8 (ending 31 March 1998):
\$14,869,870 (ACTUAL)

1998-9 (ending 31 March 1999):
UNKNOWN

1999-2000 (ending 31 March 2000):
\$15,566,600 (ESTIMATED)

2000-2001 (ending 31 March 2001):
\$16,398,230 (ACTUAL)

2001-2 (ending 31 March 2002):
\$17,906,665 (ACTUAL)

2002-3 (ending 31 March 2003):
UNKNOWN

2003-2004 (ending 31 March 2004):
UNKNOWN

2004-5 (ending 31 March 2005):
\$30,270,941 (ACTUAL)

2005-6 (ending 31 March 2006):
\$35,129,456 (ACTUAL)

2006-7 (ending 31 March 2007):
\$36,573,611 (ACTUAL)

2007-8 (ending 31 March 2008):
\$47,237,281 (ACTUAL)

2008-9 (ending 31 March 2009):
\$53,552,371 (ACTUAL)

2009-10 (ending 31 March 2010):
\$57,223,764 (ACTUAL)

2010-11 (ending 31 March 2011):
\$58,146,203 (ACTUAL)

2011-12 (ending 31 March 2012):
\$60,319,583 (ACTUAL)

2012-13 (ending 31 March 2013):
\$63,265,011 (ACTUAL)

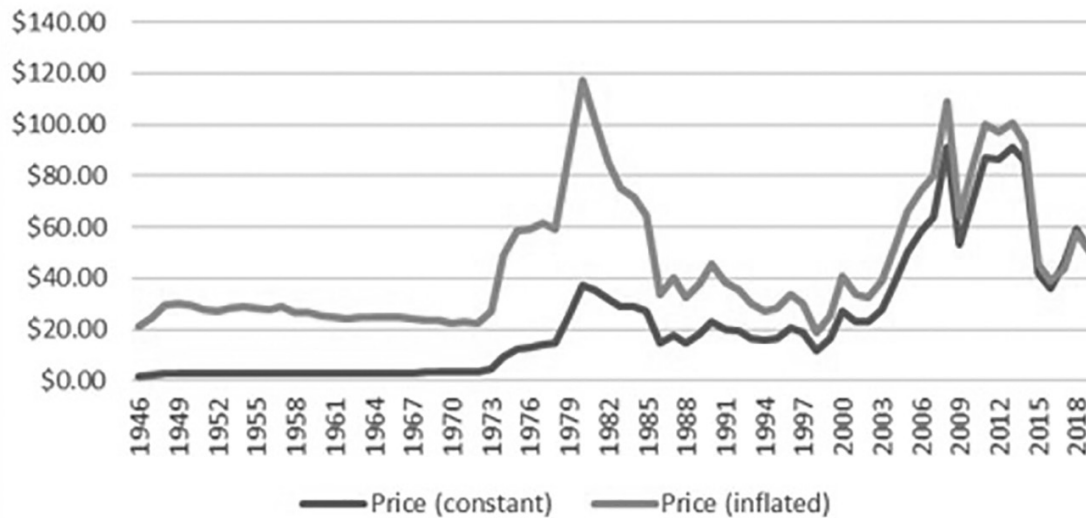
Dollar amounts are not adjusted for inflation.

Data missing for the following years:
 1998-9, 2002-3, 2003-4.

Source: UARC 91.002, Boxes 1-8.

Appendix 10

Historical Price of Crude Oil (1946–2019)
(WTI—Index) (\$US/barrel)



Note: This table shows Annual Average Crude Oil Price from 1946 to 2019. Prices are adjusted for inflation using the Consumer Price Index as presented by the Bureau of Labor Statistics. Prices are based on historical free market (stripper) oil prices of Illinois Crude as presented by Illinois Oil and Gas Association and Plains All American Oil.

Source: "Historical Crude Oil Prices (Table)," Inflation Data, <http://www.inflationdata.com> (accessed 31 July 2020).

Appendix 11

Class Animals (MD “*Ménagerie*”)

Class Year	Class Animal	Class Year	Class Animal
1973	Guinea pigs (unofficial)	1993	Auks
1974	<i>None</i>	1994	Peccaries
1975	Turkeys	1995	Quokkas
1976	Beavers	1996	Sifakas
1977	Toads	1997	Bandicoots
1978	Minks	1998	Skinks
1979	Lemmings	1999	Dugongs
1980	Chameleons	2000	Bonobos
1981	Lampreys	2001	Kinkajous
1982	Locusts	2002	Pangolins
1983	Sloths	2003	Geoducks
1984	Emus	2004	Taphazous
1985	Wombats	2005	Candirus
1986	Pigs	2006	Fulmars
1987	Slugs	2007	Meerkats
1988	Poodles	2008	Tuatara
1989	Flamingos	2009	Macaques
1990	Pandas	2010	Glabers
1991	Yaks	2011	Kakapos
1992	DikDiks	2012	Blobfish

Appendix 12

Honorary Degrees Received by the Faculty and Graduates of the Cumming School of Medicine*

Name	Degree	Year	University
Alastair M. Buchan	LL.D	2009	University of Calgary
	LL.D	2018	Western University
Norman R. Campbell	DSc	2019	Memorial University
Robert B. Church	LL.D	1998	University of Lethbridge
	DSc	2015	University of Alberta
William A. Cochrane	LL.D	1983	University of Calgary
	LL.D	1983	Dalhousie University
Richard L. Ehman	DSc	2000	University of Saskatchewan
Thomas E. Feasby	DSc	2013	Western University
T. Chen Fong	LL.D	2019	University of Calgary
W. Morrison Gibson	LL.D	1986	University of Calgary
Clarence A. Guenter	LL.D	2006	Zamboanga University
	LL.D	2013	University of Calgary
C. Bruce Hatfield	LL.D	1995	University of Calgary
Robert E. Hatfield	LL.D	1995	University of Calgary
Henry Mandin	DSc	2001	University of East Anglia
Lionel E. McLeod	DSc	1988	University of Alberta
	LL.D	1990	Queens University
	LL.D	1992	University of Calgary
Eldon R. Smith	LL.D	2014	Dalhousie University
Lloyd R. Sutherland	DSc	2004	University of New Brunswick
Mamoru Watanabe	DSc	1997	University of Alberta
	LL.D	2007	University of Northern British Columbia
Hayley Wickenheiser	LL.D	2017	University of Saskatchewan
	LL.D	2018	University of Calgary
Ronald F. Zernicke	DSc	2008	University of Waterloo

*Partial listing of honorary degrees awarded to the faculty and graduates of the Cumming School of Medicine up to 2019.

Notes

NOTES TO PREFACE

- 1 Edward C. Atwater, “Medical Schools: How Should We Write Their Histories,” *Bulletin of the History of Medicine* 54, no. 3 (Fall 1980): 455–60. Atwater notes that histories were rare before 1943. He gave the following objectives: to record growth, provide accessible documentary evidence, commemorate an anniversary, record changes in medical education, fundraise, and project an image of excellence. The major difficulty he noted was evaluating its graduates—the product produced by the faculty and thus its principle contribution to medical knowledge and practice.
- 2 J. Robert Lampard, “Dr. Earle P. Scarlett and Dr. George Stanley,” in Lampard, *Alberta’s Medical History: Young and Lusty and Full of Life* (Altona, MB: Friesens Corporation, 2008), 233–42 and 325–48.
- 3 J. Robert Lampard, “Peter Joseph Erasmus Cruse MB, ChB, FRCS (C&E), FACS, (1927–2006),” in *Proceedings of the 20th Anniversary of History of Medicine Days Conference 2011*, edited by Kelsey Lucyk, Aleksandra Loewenau and Frank W. Stahnisch (Newcastle upon Tyne, UK: Cambridge Scholars Publishing, 2015), xviii–xxii, 3–33. Dr. Cruse’s mentor in medical history was Dr. Scarlett. Dr. Lampard knew both of them well.
- 4 Charles G. Roland, “Dr. Earle P. Scarlett, Melding Tradition and Beauty in Historical Writing,” *Canadian Medical Association Journal* 122 (1980): 822–6.
- 5 N. Tait McPhedran, *Canadian Medical Schools: Two Centuries of Medical History 1822–1992* (Montreal: Harvest House, 1993).
- 6 Glen E. Edwards and Douglass B. Harkness, *Life Near the Bone* (self-published, 1991); Melville G. Kerr, “Partnering and Health Development: A Tale of Three Cities,” (Calgary: University of Calgary Press, 1996);

Ian Mitchell and Arty Coppes-Zantinga, *Child in the Centre: Seventy-Five Years at the Alberta Children’s Hospital* (Calgary: University of Calgary Press, 1997); Doris H. Annear, Audrey M. Cerkenvenac, and Moira E. Hogg, eds., *Neurosurgery in Calgary. The First Fifty Years* (Calgary: Blitzprint, 2004); George Wyse, Robert Lampard, Barbara Kermode-Scott, and Al Karim Walli, *Hearts, Minds and Vision: Rotes of the Libin Cardiovascular Institute of Alberta* (Calgary: Kingsley Publishing, 2012); Norman Schachar, *The Department: A Surgeon’s Memories* (Calgary: ZEDS Comic Communication, 2015).

- 7 N. Tait McPhedran, *Canadian Medical Schools*, 251–70, contains an extensive bibliography on medical education in Canada. Canadian medical faculty histories written after 1990 include Elise A. Corbet, *Frontiers of Medicine* (Edmonton: University of Alberta Press, 1990); Joseph Hanaway and Richard L. Cruess, *McGill Medicine: The First Half Century 1829–1885*, vol. 1 (Montreal: McGill-Queen’s, 1996); and Joseph Hanaway, Richard L. Cruess, and James Darragh, *McGill Medicine 1885–1936*, vol. 2 (Montreal: McGill-Queen’s, 2006). Geoffrey Teeson et al., *The Making of the Northern Ontario School of Medicine* (Montreal: McGill-Queen’s, 2009); Robert Lampard, *Deans, Dreams and a President* (self-published, 2011); Edward L. Shorter, *Partnership For Excellence: Medicine at the University of Toronto and Academic Hospitals* (Toronto: University of Toronto Press, 2013); and T. Jock Murray, *Noble Goals, Dedicated Doctors: The Story of Dalhousie Medical School* (Halifax: Nimbus, 2017).

NOTES TO INTRODUCTION

- 1 H. Ernest MacDermot, “Early Medical Education in North America,” *Canadian Medical Association Journal* [henceforth, *CMAJ*] 67 (1952): 370–5.
- 2 Winston S. Churchill, “To the Health of the Guests,” and “To the College,” abstracted and published in the *CMAJ* 50 (1944): 581–4.

- 3 Joseph Hanaway and Richard Cruess, *McGill Medicine 1829–1885*, vol. 1 (Montreal: McGill-Queen's University Press, 1996): 18–19.
- 4 Frank J. Papa and Peter H. Harasym, "Medical Curriculum Reform in North America from 1765 to the Present: A Cognitive Science Perspective," *Academic Medicine* 74, no. 2, (1999): 154–64.
- 5 *Ibid.*, 241–9. The cost increase rapidly reduced the number of proprietary (private) medical schools in both countries. For a list of all Canadian proprietary medical schools, see Jackie Duffin, *History of Medicine: A Scandalously Short Introduction* (Toronto: University of Toronto Press, 1999), 121.
- 6 William Osler, "Teaching and Thinking: The Two Functions of a Medical School," in *Equanimitas, with Other Addresses*, 2nd ed. (Philadelphia: Blackiston, 1920), 126–36.
- 7 Kenneth M. Ludmerer, *Learning to Heal* (New York: Basic Books, 1985), 63–71. Additional courses taught at Hopkins included physiological chemistry, pharmacology, and bacteriology.
- 8 *Ibid.*, 68–71, 152–5.
- 9 Papa and Harasym, "Medical Curriculum Reform," 155–7.
- 10 Susan Lamb, "Johns Hopkins: A Canadian Medical School?" *CMAJ* 189 (2017): E893–4, doi:10.1503/cmaj.170284. One of the Hopkins first four chiefs was Canadian (Osler); three of their four successors were Canadians; 38 per cent of the department chiefs, senior residents, and nursing superintendents between 1889 and 1939 were Canadian.
- 11 N. Tait McPhedran, *Canadian Medical Schools: Two Centuries of Medical History 1822 to 1992* (Montreal: Harvest House, 1993), 38–53. For a more detailed review, see Joseph Hanaway, Richard Cruess, and James Darragh, *McGill Medicine 1885–1936*, vol. 2 (Montreal: McGill-Queen's University Press, 2006), 1–80.
- 12 Abraham Flexner, *Medical Education in the United States and Canada: A Report to the Carnegie Foundation for the Advancement of Teaching* (New York, Updyke, 1910), bulletin no. 4; also see "The Flexner Report," in Ludmerer, *Learning to Heal*, 166–90.
- 13 Kenneth M. Ludmerer, *Learning to Heal*, 241.
- 14 Maryanne Fedunski, "The University of Alberta and the Rockefeller Western Reserve Foundation (1920–1923)," in J. Robert Lampard, *Alberta's Medical History* (self-published, 2008), 545–57.
- 15 Elise A. Corbet, *Frontiers of Medicine* (Edmonton: University of Alberta Press, 1990), 22, 25, 37.
- 16 McPhedran, *Canadian Medical Schools*, 30, 94.
- 17 Robert Lampard, "Dr. Allan C. Rankin, Dr. Albert E. Archer and The Hons. George Hoadley, Irene Parlby, W. W. Cross and the UFA Government Healthcare Program," in *Alberta's Medical History*, 252, 261–2, 561. When the RCPSC introduced their fellowship examinations in 1932, Dr. Morley A. R. Young was in the first class. All failed, but they passed in 1933 on their second attempt.
- 18 Robert I. Harris and Robert Janes, *Essays in Surgery* (Toronto: University of Toronto Press, 1950): xiii–xiv, and R. C. Liard, "William Edward Gallie" (Department of Surgery, U of T, 1978), 16–52. The Gallie course consisted of one year of pathology followed by a year of general surgery and a year in a surgical subspecialty.
- 19 Kenneth M. Ludmerer, *Time to Heal: American Medical Education from the Turn of the Century to the Era of Managed Care* (Oxford: Oxford University Press, 1999): 202–4. The best summary of the Western Reserve medical curriculum is found in Thomas H. Hale, "Medical Education at Western Reserve University," *New England Journal of Medicine* 267 (October 1962): 868–87, and 267 (November 1962): 916–23. One criticism of the Western Reserve approach was that the knowledge gained was not designed to solve diagnostic problems, since creating a differential diagnosis was not automatic; see Papa and Harasym, "Medical Curriculum Reform," 157–8.

- 20 D. Sclater Lewis, *The Royal College of Physicians and Surgeons of Canada, 1920–1960* (Montreal: McGill-Queen's University Press, 1962), 119–27.
- 21 Association of Canadian Medical Schools minutes for April (n.d.) and 31 August 1943. The tenth dean was Dr. Lindsay, from Saskatchewan. Two additional classes graduated from U of A. The high voluntary (over 30 per cent) MD enlistment rate avoided conscription, as was required in the United States and Britain. For more on Alberta doctors in the Second World War, see John Scott, *The History of the Faculty of Medicine of the University of Alberta, 1913–1963* (Edmonton: University of Alberta Press, 1963), 20, 21; Robert Lampard, *Deans, Dreams and a President* (self-published, 2011), 56, 57; and William B. Parson, "Medicine in Alberta: the WWII Years," in Lampard, *Alberta's Medical History*, 649–52.
- 22 J. Robert Lampard, "Dr. John Scott," in Lampard, *Deans, Dreams and a President*, 58, 75–6, 93–4. Full, on-site, four-year medical training programs in all the major specialties were in place at U of A by 1959; Dr. Richard E. Rossall, personal communication, 15 August 2009.
- 23 David A. Shephard, *The Royal College of Physicians and Surgeons of Canada, 1960–1980*, (Ottawa: RCPSC, 1985), 183–227.
- 24 George Miller et al., *Teaching and Learning in Medical School* (Cambridge, MA: Harvard University Press, 1962).
- 25 William A. Cochrane, "Philosophy and Program for Medical Education," *CMAJ* 98 (1968): 500.
- 26 Howard S. Barrows, *Problem-Based Learning: An Approach to Medical Education* (New York: Springer, 1980). Also see William B Spaulding's *Revitalizing Medical Education, McMaster Medical School, The Early Years 1966–1974* (Hamilton, ON: B. C. Decker, 1991).
- 27 Papa and Harasym, "Medical Curriculum Reform," 158–60.
- 28 *Ibid.*, 160–2.
- 29 Hanaway and Cruess, *McGill Medicine*, vol. 1: 9–15, 27.
- 30 *Ibid.*, 27.
- 31 T. Jock Murray and Janet Murray, *Sir Charles Tupper: Fighting Doctor to Father of Confederation* (Toronto: AMS/Fitzhenry and Whiteside, 1999), 74–8. Tupper was an Edinburgh graduate (1843); founded the Dalhousie medical school (1863); served as premier of Nova Scotia (1864–7); led the union with Canada; was the founding CMA president (1867–70); a Father of Confederation (1867); a federal cabinet minister (1872–3 and 1878–84); high commissioner to London (1883–97); and became Canadian prime minister for a brief period in 1896.
- 32 Robert B. Kerr, *History of the Medical Council of Canada*: (Ottawa: MCC, 1979), 1–7.
- 33 H. Ernest MacDermot, *Sir Thomas G. Roddick* (Toronto: Macmillan, 1938), 84–112.
- 34 Kerr, *History of the Medical Council of Canada*, 14–23; also see Christy Vodden, *Licentiate to Heal: A History of the Medical Council of Canada* (Ottawa: MCC, 2008), 13–18.
- 35 *Ibid.*, 8–23; also see Robert Lampard, "Law vs. Licensure: Which Shall Rule? The Lafferty vs. Lincoln Trial," *Alberta Doctor's Digest* 38, no. 6 (2013): 24–5.
- 36 William Osler, "Note on the Use of a Medical Journal," *Western Canada Medical Journal* 1 (1907): 1–3. Osler recommended the objects should be to (1) serve as a medium of communication; (2) direct the policy of the profession; (3) publish the work of men in the region; and (4) have a wide and sympathetic outlook. The journal's editor, G. O. Hughes (in vol. 4 (1910): 224–6), noted that the journal's chief purpose was to support the WCMF initiative.
- 37 J. Robert Lampard, "The Role of Alberta Physicians in the Formation of the Medical Council of Canada," *Alberta Doctor's Digest* 39, no. 4 (2014): 32–3.
- 38 Scott, *The History of the Faculty of Medicine of the University of Alberta*, 14–15. The Alberta provincial and MCC exams were integrated in 1949 and revised in 1961.

- 39 D. W. Gullett, *A History of Dentistry in Canada* (Toronto: University of Toronto Press, 1971), 107–8.
- 40 Lampard, “Dr. Harry Goodsir Mackid, 1858–1916,” *Alberta’s Medical History*, 132–44.
- 41 Hugo Ewart, “Causes of Mortality in a Subarctic Settlement (York Factory, Man), 1714–1946,” *Canadian Medical Association Journal* 129 (1983): 571–4; also see, P. W. Mathew, “Notes of Diseases among the Indians in the Manitoba, Northwest and British Columbia,” *Lancet* 1, no. 173, (1888).
- 42 Paul Hackett, *A Very Remarkable Sickness: Epidemics in the Petit Nord, 1670 to 1846* (Winnipeg: University of Manitoba Press, 2001), xi–xiv, 236–44, and Arthur J. Ray, *Diffusion of Diseases in the Western Interior of Canada, 1830–1850*, in *The Geographical Review* 66, no. 2 (1976): 139–57.
- 43 T. Kue Young, “Health of Indigenous Peoples in Canada,” *Canadian Encyclopaedia Online*, 7 February 2006, <https://www.thecanadianencyclopedia.ca/en/article/aboriginal-people-health>.
- 44 Ross B Mitchell, “Doctor Alexander Rowand,” *CACHB* 7, no. 4 (1943): 1–5. Dr. Rowand moved to Quebec City in 1847 to serve as the port medical officer and was the chair of clinical surgery at the Quebec School of Medicine. See *Osler Library Newsletter* 120 (Spring 2014): 11.
- 45 Lampard, “Richard Barrington Nevitt,” in *Alberta’s Medical History*, 72–84.
- 46 Lampard, “Robert George Brett,” in *Alberta’s Medical History*, 85–99.
- 47 MacDermot, *Sir Thomas G. Roddick*, 45–68; also see Lampard’s “Military Medicine and Medical Care in the North-West Rebellions of 1870/71 and 1885,” in *Alberta’s Medical History*, 482–93. The rebellion crystallized the completion of the transcontinental CPR (7 November 1885) and ended with the trial of Louis Riel and his subsequent hanging on 16 November 1885.
- 48 Lampard, “Dr. Frank Hamilton Mewburn,” in *Alberta’s Medical History*, 100–13.
- 49 Lampard, “Dr. Allan Coats Rankin” in *Alberta’s Medical History*, 243–55.
- 50 Hilda Neatby, “The Medical Profession in the Northwest Territories,” *Saskatchewan History* 2 (Spring 1949): 1–16. The first ordinance is recorded in Heber C. Jamieson, *Early Medicine in Alberta* (Edmonton: Alberta Medical Association, 1947), 43–5. The role of Dr. Brett is confirmed in the calligraphed dust jacket for Lampard’s *Alberta’s Medical History*, and was written by Dr. Douglas B. Leitch, Alberta’s first pediatrician.
- 51 R. Kenneth Thomson, *A Brief to the Royal Commission on Health Services Submitted by the CPSA and CMA (Alberta Division) and the Faculty of Medicine, U of A* (February 1963), 6, 8. From 1911 to 1960, the doctor-population ratio varied from 1:1025 to 1:1343. Also see Jamieson, “Early Medicine in Alberta,” 43–5.
- 52 David B. Hogan, “Osler Goes West,” *RCPSC Annals* 33 (2000): 316–19.
- 53 Lampard, “The First [CMA] Convention in Alberta (Banff 1889),” in *Alberta’s Medical History*, 498–503.
- 54 Lampard, “George Allan Kennedy,” in *Alberta’s Medical History*, 122–4.
- 55 Lampard, “Medical Contributions of Albertans in the First World War: Rising to the Challenge,” in *The Frontier of Patriotism: Alberta and the First World War*, ed. Adriana Davis and Jeff Keshen (Calgary: University of Calgary Press, 2016), 165–6.
- 56 Anthony Rasporich, *Make No Small Plans: The University of Calgary at Forty* (Calgary: University of Calgary Press, 2007), 1.
- 57 Harry Goodsir Mackid, “The President’s Address to the Annual Meeting of the Association,” *Canadian Medical Association Journal* (hereafter referred to as *CMAJ*) 2 (1912): 801–11, reprinted in Lampard, *Alberta’s Medical History*, 140.
- 58 Lampard, *Deans, Dreams and a President*, 5–16. A similar three-year program was started in Saskatchewan in 1926 but did not become a full MD program until 1953.

- 59 Ibid., 9, 29–30, 33.
- 60 Ibid., 12–13; also see Lampard, “Medical Contributions of Albertans in the First World War,” 161–6, 180–1.
- 61 Maryanne Fedunkiwi, “The University of Alberta and the Rockefeller Foundation” in Lampard, *Alberta’s Medical History*, 545–57. It was invested in 6 per cent Alberta government bonds. The interest helped fund the faculty and protect it through the Depression. It still exists and has a value of approximately \$1.5 million.
- 62 Corbet, *Frontiers of Medicine*, 14, 22, 25, 37.
- 63 Ibid., 76–92. For the impact on surgery, see R. A. Macbeth, *The Golden Years in the Department of Surgery of the University of Alberta* (Edmonton: U of A Department of Surgery, 2009), 167–238.
- 64 Walter H. Johns, “Medical School Staff Key Factor: Ross,” *Calgary Herald*, [18?] June 1965. Almost two hundred qualified medical and dental applicants were turned away from U of A that year.
- 65 Walter C. Mackenzie, *U of A Annual Medical Faculty Report for 1962* (Edmonton: U of A Faculty of Medicine, 1962). The projected provincial need was for 120 MD graduates per year by 1980, the maximum number the faculty could train.
- 66 J. Arthur MacFarlane, *Medical Education in Canada* (Ottawa: Queen’s Printer, 1964). The report was highlighted in the *Royal Commission on Health Services*, vol. 1 (Ottawa: Queen’s Printer, 1964), 254.
- 67 *Royal Commission on Health Services*, vol.1 (Ottawa: Queen’s Printer 1964), 71. The federal government funded the HRF with \$500 million in 1965 to double the number of MD graduates in Canada to 1,600 per year.
- 68 Lampard, “Donald Forbes (Tim) Cameron” in *Deans, Dreams and a President*, 125–33. *Canadian Doctor* magazine had predicted on 23 January 1967 that the HRF would provide \$83 million to U of A (for the basic, clinical science, and the Centennial Hospital centres) in Edmonton, and \$30 million (for a medical school) in Calgary, as noted by Walter Nagle in the *Calgary Herald*, 24 January 1967.
- 69 George D Stanley, “Daniel Stewart Macnab, October 28, 1879–February 2, 1951,” *CACHB* 16, no. 1 (1951): 10–20; also see Donald McNeil’s recollections of him in Gerald M. McDougall, *Teachers of Medicine: The Development of Graduate Clinical Medical Education in Calgary* (Calgary: University of Calgary, 1987), 161–2. Members of the Associate Clinic joined the Foothills Hospital Board (Dr. Earle Scarlett), the faculty (Dr. John Dawson), and served in senior positions on the medical staff (Dr. Ross MacLean, Wallace Mydland). The clinic library’s material was given to the Glenbow and University of Calgary. The clinic persists to this day.
- 70 McDougall, *Teachers of Medicine*, 17–29.
- 71 James Douglas Lampard, personal communication, 20 April, 1968. Doug is the author’s twin brother and interned at the HCH in 1966.
- 72 McDougall, *Teachers of Medicine*, 46–9.
- 73 Ibid., 43–6.
- 74 Ibid., 57–86
- 75 John B. Corley, “Family Doctor Grad Program Planned,” *Calgary Albertan*, 11 May 1965, and “New Medical School for GPs,” *Calgary Herald*, 8 June 1965. The other approved program was in London, Ontario.
- 76 Wallace E. Mydland, interview with Robert Lampard, 10 September 2013; Dr. Mydland participated in the discussions at the meeting.
- 77 Rasporich, *Make No Small Plans*, 1–5, 25–8.
- 78 Ibid., 25–8.
- 79 J. Douglas Wallace, “The Role and Responsibility of the Medical Profession in Society,” Opening Ceremony Keynote Presentation, 28 May 1973, University of Calgary Archives (UARC), UARC 2000.075 file 25.10.
- 80 Donald R. Wilson and Donald L. McNeil, “The Origins of the Faculty of Medicine, University

- of Calgary in Medicine,” in *Medicine in Alberta Historical Reflections* (Edmonton: AMF, 1993), 190–1.
- 81 Lampard, *Deans, Dreams and a President*, 80–3, 96–7. The U of A medical class of 1959 was reduced from 60 to 40 in 1960 because many had a less than 65 per cent average on entry. The members of the 1960 class all met the 65 per cent or higher requirement for the first time in several years. (Dr. Robert A. Lampard was a member of the entry class of 1960.)
- 82 Hugh A. Arnold, AMA Board meeting, 2 June 1963. All AMA minutes are held at AMA headquarters in Edmonton.
- 83 Hugh Gallie et al., AMA Education Subcommittee meeting, 29 November 1963.
- 84 James C. Mahaffy, Foothills Hospital Board meeting, AHSA, 3 February 1964. The committee consisted of Drs. Joe Moriarty (FP), Howard MacEwen (internist), Vaughn Mason (obstetrician), Hugh Gallie (surgeon), and Walter Anderson, who was the AMA’s chairman of the Committee on Hospital and Professional Relations.
- 85 Hector E. Duggan, AMA Board meetings 16 and 17 April 1964.
- 86 Hugh A. Arnold, AMA Board meetings, 16 and 17 April 1964. Also see the minutes of the AMA’s Education Committee, 21 November 1964.
- 87 Hugh A. Arnold, AMA Board meeting, 16 June 1964, and Executive Committee meeting, 22 July 1964; also see the Foothills Hospital Board meetings, 12 April 1961 with Minister Ross, and 14 May 1964, when the board decided to begin selecting department heads with the assistance of the AMA.
- 88 Hugh A. Arnold, AMA Board meeting, 16 June 1964, and AMA Executive Committee meeting, 22 July 1964.
- 89 “Calgary well suited for a teaching center,” *Calgary Herald*, 3 September 1964.
- 90 Emmett M. Hall, Chairman, *Royal Commission on Healthcare*, vol. 1 (Ottawa: Queen’s Printer, 1964), x.
- 91 J. Arthur MacFarlane, *Report to the Royal Commission on Medical Education* (Ottawa: Queen’s Printer, 1964). The Judak report was summarized in the *Royal Commission on Health Services*, vol. 1 (Ontario Queen’s Printer, 1964), 237–51.
- 92 *Ibid.*, 241–55.
- 93 *Ibid.*, 552, 593.
- 94 *Ibid.*, 71. The federal government narrowed the recommendation to Sherbrooke, McMaster, Calgary, and St. John’s.
- 95 *Ibid.*, 70–1, 533–6, 551–2.
- 96 Harold Worrall and John Phin, “Forsees Medical School,” *Calgary Albertan*, 3 September 1964.
- 97 Walter C. Mackenzie, “No Time for Delay,” *Calgary Herald*, 5 October 1964.
- 98 Donald L. McNeill, *Medicine of My Time* (Altona, MB: Friesens, 1989), 124. For further details of the initiative, see “The Origin of the Faculty of Medicine, University of Calgary,” 191–2, and “Reflections on the Development of the Faculty of Medicine, University of Calgary,” 196–8, both in Donald R. Wilson and William B. Parsons, *Medicine in Alberta: Historical Reflections* (Edmonton: AMF, 1993).
- 99 Frank Swanson, “Medical Faculty,” *Calgary Herald*, 25 May 1965.
- 100 Joseph Arthur MacFarlane was the former dean of medicine at U of T (1946–61), Rhodes scholar, member of the 11th Field Ambulance under Dr. H. H. Moshier, and a consultant who recommended a faculty of medicine at U of C and a Health Science Centre at Memorial University.
- 101 J. Arthur MacFarlane, Charles Illingworth, and George Wolf, *The Feasibility of Establishing a Medical School in the University of Alberta at Calgary*, report to the Board of Governors (BOG) and the president of the University of Alberta at Calgary, 30 August 1965, UARC BOG Report #0165. This is commonly referred to as the MacFarlane Report.
- 102 Donald L. McNeill, *Medicine of My Time*, 126–7.

- 103 James C. Mahaffy, Foothills Hospital Board meeting, AHSA, 21 July 1965.
- 104 Alan A. Gibb, "Full-Time Undergraduate Enrollment in University of Alberta, in Preliminary Statistical Data compiled for the Committee on Medical Education [sic], University of Alberta," 12 May 1965, 5. Attached as appendix (d)ii to the MacFarlane Report of 30 August 1965. UARC 2000.042 file 16.18.
- 105 William Bramley-Moore, letter to J. C. McNeill, director, Public Health Education, 23 November 1964.
- 106 Walter Nagel, "Alberta Trains only 25 p.c. of its Doctors," *Calgary Herald*, 23 October 1967. U of A doubled its intake from 60 to over 100 medical students from 1960 to 1965.
- 107 Walter Nagel, interview with Dr. Kenneth Hill, in "140 Doctors Needed Yearly in Alberta," *Calgary Herald*, 17 August 1967.
- 108 J. Arthur MacFarlane et al., MacFarlane Report (1965): 13 (d)ii.
- 109 Ibid., appendix (d)iii.
- 110 Ibid., 25.
- 111 Ibid., appendix (e)ii. The Hall Commission assumed there would be a two-year internship in Canada by 1977.
- 112 Herbert S. Armstrong, "Official Word Still Awaited," *Calgary Herald*, 29 October 1965.
- 113 J. Donovan Ross, "Calgary to Get Medical School," *Calgary Herald*, 26 October 1965.
- 114 Harold Worrall, "Problems Foreseen," *Calgary Albertan*, 27 October 1965.
- 115 Ross, "Calgary to Get Medical School."
- 116 Frank Swanson, "Editorial," *Calgary Herald*, 27 October 1965.
- 117 Herbert S. Armstrong, Minutes of the General Faculty Council, 5 November 1965
- 118 J. Donovan Ross, "But Ross Rules out UAC Hospital," *Calgary Herald*, 9 December 1965.
- 119 Herbert S. Armstrong, "\$30 million medical school announced," *Calgary Albertan*, 17 February 1966. President Armstrong predicted the medical school could accept students one year earlier, in 1970, because it already had a hospital.
- 120 Ernest A. Manning, Letter to Dr. H. S. Armstrong, 17 January 1966, Office of the President.
- 121 Ibid., 1.
- 122 Ibid., 2.
- 123 Ibid., 3.
- 124 J. Donovan Ross, "\$190,000 Grant for Medical Library Facilities May Rate with Best," *Calgary Herald*, 31 March 1966. One-half of the books were in languages other than English, and were essentially useless.
- 125 James C. Mahaffy, Foothills Hospital Board meeting, AHSA, 12 October 1966; also see McNeil, *Medicine of My Time*, 205.
- 126 Robert Lampard and Barbara Kermode-Scott, *Medicine Makes a Wonderful Life* (self-published, 2019).
- 127 William A. Cochrane, interview with Robert Lampard, 6 June 2005.
- 128 William A. Cochrane, interview with Robert Lampard, 8 January 2014.
- 129 William A. Cochrane, interview with Robert Lampard, 16 April 2015.
- 130 William A. Cochrane, interview with Robert Lampard, 8 January 2014.

NOTES TO SIDEBAR 1

- 1 J. Donovan Ross, *Calgary Albertan*, 24 and 26 April 1969. Dr. Ross was a Social Credit MLA (1952–72) and minister of health (1957–69) in the Manning government. He resigned his health-care post in protest over the federal government's intrusion into a provincial jurisdiction (Medicare). Dr. Ross had succeeded Dr. W. W. Cross as minister of health in 1957, when Dr. Cross resigned because of the

- implementation by the federal government of the Laboratory and Hospital Services Insurance Program, also on a 50/50 cost-sharing basis.
- 2 Government of Alberta, *An Act to Provide for the Establishment of Provincial General Hospitals* (7 April 1959), ch. 65. Known as the Provincial General Hospitals Act, the Act would eventually have the Glenrose, W. W. Cross Cancer, and Alberta Children's Hospitals incorporated under it. They were all charged with "providing educational facilities to medical [and other students]" and "employing the necessary medical [and other staff] for the proper operation of a teaching and treatment hospital."
 - 3 Alice T. MacKinnon, Margaret Blasius Fulkerth, and T. Bryan Campbell-Hope, *Hospitals of Alberta—Their Stories, 1890–2000* (self-published, 2006), 65. The hospital was sold to the government on 1 January 1970.
 - 4 J. Donovan Ross, "New Calgary Hospital Will Cost 15M," *Calgary Albertan*, 10 September 1960.
 - 5 James C. Mahaffy, Foothills Hospital Board meeting, Alberta Health Services Archives (AHSA), 25 July 1960.
 - 6 James C. Mahaffy, Foothills Hospital Board meeting, AHSA, 12 April 1961.
 - 7 Dr. Earle P. Scarlett, interview with Robert Lampard, 18 November 1968.
 - 8 Hugh A. Arnold, AMA Board meeting, 16–17 April 1964.
 - 9 James C. Mahaffy, Foothills Hospital Board meeting, AHSA, 14 May 1964. In a letter to Mr. Adshead dated 3 July 1964, Dr. Ross closed with the following words: "Trusting that this letter will indicate my continuing support for the Foothills Hospital to be built into the major diagnostic centre for southern Alberta."
 - 10 James C. Mahaffy, Foothills Hospital Board meeting, AHSA, 30 June 1966. The first geographic full-time Foothills Hospital department heads and MAC members were John W. Dawson (internal medicine, U of T), Neville J. Jackson (surgery, Britain), Harry Brody (obstetrics and gynecology, U of A), Keith I. Pearce (psychiatry, U of T), Fred L. Parney (anesthesia, U of A), Jack E. Newell (pathology, UBC), Hector Duggan (radiology, U of A), and L. Reg. Adshead (former CEO, UAH, Edmonton), John M. Phin (medical director, U of T). Murray Colwell and Donald H Truscott represented pediatrics until Dr. Cochrane arrived.
 - 11 James C. Mahaffy, Foothills Hospital Board meeting, AHSA, 10 January 1966.
 - 12 Reginald Adshead, Liaison Development Committee (LDC) meeting, 10 November 1966. The minutes are included in the Foothills Board minutes, which are deposited with AHSA in Calgary. Also filed in UARC 85.45 file 15.8.
 - 13 Ibid.
 - 14 Robert Lampard, presentation to the Foothills Hospital Board, November 1980. For an anecdotal history of the Foothills Hospital, see Jack Peach, *A Shelter From the Winds of Illness: Foothills Hospital, 1966–1991: Celebrating a Quarter Century* (Calgary: Foothills Hospital, 1991).

NOTES TO CHAPTER 1: THE DEAN COCHRANE YEARS

- 1 As quoted by Dr. Cochrane in his speech on "Connaught Laboratories and the Biological Industry: New Boy's Perception," November 1979. Copy in the Cochrane family archives.
- 2 Reginald Adshead et al., "Approval of Dean Unanimous," *Calgary Herald*, 11 January 1967.
- 3 William A. Cochrane, Letter to L. R. Adshead, 23 March 1967, and L. R. Adshead's Letters to Dr. Cochrane, 21 February and 18 March 1976, UARC 2000.075 file 46.05. The acting pediatric director appointment was confirmed by the Foothills Hospital Board on 10 April 1967.
- 4 William A. Cochrane, Letter to Reginald Adshead, 22 April 1967. Dr. Dawson was already on salary from the

- hospital, which was continued. Dr. Cochrane had no additional funds to add Drs. David Dickson, Stanley Rowlands, and Lionel McLeod to the faculty until 1 July 1968.
- 5 William A. Cochrane, "Doctors Training Near," *Calgary Albertan*, 26 April 1967. Dr. Cochrane had known Dr. Dawson since his U of T medical school days.
 - 6 A. David Dickson, John Read, John Dawson, and William A. Cochrane, "Planning for Medical Education at the University of Calgary," *Canadian Medical Association Journal* [henceforth *CMAJ*] 100 (1969): 665–9. To minimize duplication, Dr. Dawson circulated a brochure outlining all the CME programs in Western Canada planned for the year. Also see Walter Nagel, "MDs to Graduate in City by 1975," *Calgary Herald*, 26 April 1967.
 - 7 Walter Nagel, "\$30 Million Price Tag Set On Med School," *Calgary Herald*, 5 October 1967.
 - 8 William A. Cochrane, Letter to L. R. Adshead, 19 September 1967. Dr. Cochrane initially contemplated a 1 September 1971 starting date and assumed the Faculty of Medicine building would be opened by then.
 - 9 Ibid.
 - 10 "W. T. Josenhans et al., *Committee on Medical Education*, 30 March 1964–6 December 1966, Dalhousie Medical School. The committee visited Western Reserve University for two days and sent individual members to other innovative programs in the United States. The committee's report included a thirty-eight-page summary, with recommendations on how to transition to a systems-based curriculum. The report also included an extensive bibliography. (Note: there were two Dr. Dicksons at Dalhousie—Dr. Robert C. Dickson, professor and head of medicine, and Dr. A. David Dickson, an anatomist who was on the committee and came to Calgary on Dr. Cochrane's invitation in 1968.)
 - 11 George Miller et al., *Teaching and Learning in Medical School* (Cambridge, MA: Harvard University Press, 1962). Also see, Lawrence Fisher and Cyril Levene, *Planning a Professional Curriculum: A Guide to Understanding Program Design* (Calgary: University of Calgary Press, 1989), 4–5, for a synopsis of the changes that occurred.
 - 12 N. Tait McPhedran, *Canadian Medical Schools: Two Centuries of Medical History, 1822–1992* (Montreal: Harvest House, 1993), 167–8. For more, see Louis Horlick's biography, *J. Wendell Macleod, Saskatchewan's Red Dean* (Montreal: McGill-Queen's University Press, 2007), 47–51, 68, 71–3; Dr. Wendell Macleod's review of *Medical Schools and the Changing Times: 1950–1960* by P. V. Lee, *Milbank Memorial Fund Quarterly* 42 (March 1964): 98–112; and "Curriculum in Canadian Medical Education," *CMAJ* 88 (1963): 705–12. Macleod sat on the MacFarlane Medical Education Committee (1962–4), which drafted a report for the Hall Commission and was a consultant to the four new faculties that resulted.
 - 13 Thomas H. Hamm, "Medical Education at Western Reserve University," *New England Journal of Medicine* 267 (15 October 1962): 868–74, and (1 November 1962): 916–23.
 - 14 William A. Cochrane, "Background Information on the Origin and Development of the Faculty of Medicine at the University of Calgary" (10 September 2013), 13. Copy in the possession of Robert Lampard. Dr. William B. Spaulding described Dr. Evans's curriculum approach in *Revitalizing Medical Education: McMaster Medical School, the Early Years, 1865–1974* (Hamilton, ON: B. C. Decker, 1991), 28–9. The objectives Dr. Cochrane followed are outlined in the Final Report of the Special Committee on Medical Education, Dalhousie University (5 December 1966), 1–2 and 11–14. The McMaster and U of C objectives and curriculum organization were very similar, but the teaching approach differed. Of the U of C presentations, 45 per cent were didactic, while none of the McMaster ones were.
 - 15 Walter Nagel, "Maybe Specialists Will Not Overshadow Family Medical Doctor Says Dean,"

- Calgary Herald*, 12 August 1967, and “UofC to Reverse GP Decline,” *Calgary Albertan*, 28 September 1967.
- 16 Walter Nagel, “Feedback Plan Forecast,” *Calgary Herald*, 8 August 1967.
- 17 Walter Nagle, “Radical Changes Planned for Medicine at UofC,” *Calgary Herald*, 4 October 1967.
- 18 William A. Cochrane, “Original Goals and Philosophy of the School,” in *Educational Policies and Philosophy of the Medical School*, ed. Drs. John Baumber and Mark Bisby, Medical Education Day conference, 22 March 1982, (University of Calgary), 1–9. Also see William Cochrane, “Philosophy and Program for Medical Education,” *CMAJ* 98 (1968): 500–5.
- 19 Ibid.
- 20 Walter Nagel, “Radical Changes Planned for Medicine at UofC,” *Calgary Herald*, 4 October 1967. For more see the *Calgary Albertan*, 4 October 1967.
- 21 William A. Cochrane, “Philosophy and Objectives regarding Patient Care, Teaching and Research related to the Facilities on the Foothills Health Sciences Complex,” UARC 85.45 file 15.08, n.d.
- 22 Walter Nagle, “\$30 Million Price Tag Set on Medical School,” *Calgary Herald*, 5 October 1967.
- 23 Cochrane, “Philosophy and Program for Medical Education,” 500–5.
- 24 William A. Cochrane, interview with Robert Lampard, 8 January 2014.
- 25 Cochrane, “Philosophy and Program for Medical Education,” 500–5. Also see, “Doctors Journal Praises City Medical School,” *Calgary Herald*, 14 March 1968.
- 26 Cochrane, “Background on the Origin and Development of the Faculty of Medicine,” 13. This is further described in Dr. Cochrane’s paper “On the Planning of the Health Science Center,” in Architect Cook and Associates, *HSC Academic Plan*, 7, released in the summer of 1970, UARC 99.053 files 5.01-5.10 and 17.02. The objectives were refined by the FC and the Committee on Medical Education on 11 October 1968 in their “Curriculum Development” document 1, 2, UARC 2000.041 file 7.07.
- 27 College of Physicians and Surgeons of Alberta 1972, minute no. 13, and 1973, minute no. 50, held at the headquarters of the College of Physicians and Surgeons of Alberta, Edmonton. A two-year residency requirement in family medicine was approved “in principle” on 20 March 1972. The next year, the requirement was approved for implementation on 1 January 1976, when there was sufficient funding for the second year of training. Alberta was the first Canadian province to require a two-year residency.
- 28 William A. Cochrane, “Tremendous Interest in Medical School,” *Calgary Herald*, 25 January 1968
- 29 Walter Nagel, “Computer Diagnosis Coming, says University Medical Chief,” *Calgary Herald*, 31 January 1968; “Dramatic Medical Advances Foreseen,” *Calgary Herald*, 15 November 1968.
- 30 William A. Cochrane, “New Role Urged for Family MD,” *Calgary Herald*, 31 January 1968.
- 31 Ibid.
- 32 William A. Cochrane, “Dr. Cochrane touring US,” *Calgary Herald*, 20 March 1968.
- 33 William A. Cochrane, interview with Robert Lampard, 8 January 2014.
- 34 Affiliation Agreement between the University of Calgary and the Foothills Provincial General Hospital, signed 1 April 1968; it covered joint appointments and CTUs. See UARC 85.45 file 11.5.
- 35 James C. Mahaffy, Foothills Hospital Board meeting 8 January and 22 February 2018.
- 36 Walter Nagle, interview with Dr. McLeod, as noted in “Doctor Urges Medical Schools to Listen to Community Needs,” *Calgary Herald*, 2 August 1968.
- 37 William A. Cochrane, “FP to Head Team,” *Calgary Herald*, 17 August 1967.
- 38 Dickson et al., “Planning for Medical Education,” 665–9.

- 39 A. David Dickson et al., "Curriculum Development," 5–6, UARC 2000.041 file 7.07. For an example of the knowledge, skills, and attitude required by a student in the U of C curriculum, see David Dickson's "The Place of Anatomy in a New Canadian Medical School," *CMAJ* 100 (1969): 611–14. For an abridged summary, see Stanley Rowlands, "The Faculty of Medicine, the University of Calgary," *Calgary Albertan*, UARC 2000.041 file 7.07 and 2000.075 file 16.07.
- 40 Fisher and Levene, *Planning a Professional Curriculum*.
- 41 My two sons graduated with MDs from U of C. They did electives in Yellowknife, Saint John, Cusco, Peru, and Harare, Zimbabwe.
- 42 Dickson et al., "Curriculum Development." The complete document was thirty-two pages plus eighty-four appendices, and was completed 3 April 1970; see UARC 2000.041 file 7.07.
- 43 Ibid., 1–2.
- 44 In an interview with Robert Lampard (10 September 2013), Peter Price commented on how difficult defining "core" was. Dr. McPhedran, he said, described it as like eating an apple. You ate it down to the core then threw it away and started again.
- 45 William A. Cochrane, "Organization and Rules of Procedures for the Committee on Medical Education," May 1969, 4, UARC 2000.042 file 16.18.
- 46 See Dickson et al., "Curriculum Development" for a detailed description of the organization.
- 47 Rowlands, "The Faculty of Medicine," UARC 2000.041 file 7.07.
- 48 Fisher and Levene, *Planning a Professional Curriculum*, 115. The description is based on the nearly complete study guide provided by first class member Craig Maishment.
- 49 Henry Mandin, personal communication with Robert Lampard, 10 March 2015. Dr. Mandin estimated there were three to four hundred common diagnoses and ten times that number of known diagnoses. For a brief discussion of the various curriculums (discipline-based, problem-orientated, competency, and student-orientated) see Fisher and Levine, *Planning a Professional Curriculum*, 84–92. The book antedates the Mandin-initiated clinical presentation curriculum of 1993.
- 50 Frank J. Papa and Peter H. Harasym, "Medical Curriculum Reform in North America, 1765 to the Present: A Cognitive Science Perspective," *Academic Medicine* 74 (1999): 158–60.
- 51 William H. Swift, "Universities Face Growth Setback," *Calgary Herald*, 18 October 1967.
- 52 Walter Nagel, "Medical School Could be 'Bargain,'" *Calgary Herald*, 3 November 1967.
- 53 Walter Nagel, "\$30 Million Expansion Predicted for UofC," *Calgary Herald*, 25 January 1967.
- 54 William A. Cochrane, Status Report, 2p, January 1968, UARC 2000.042 file 16.18. Also see Walter Nagel, "\$30 Million Price Tag Set," *Calgary Herald*, 5 October 1967, and "Dean of Medicine Hopeful Despite Spending Cut-Back," *Calgary Herald*, 6 December 1967.
- 55 William A. Cochrane, Letter to Premier Manning, 12 September 1967, UARC 2000.041 file 7.09.
- 56 Frank Swanson, "Need Is Now. University Expansion," *Calgary Herald*, 16 January 1968.
- 57 William A. Cochrane, interview with Robert Lampard, 16 April 2015.
- 58 William A. Cochrane, "Medical School Go Ahead Draws Cheers at UofC," *Calgary Herald*, 20 February 1968. Dr. Cochrane had visited Premier Manning in September 1967 and had been reassured he had the flexibility to not replicate the U of A medical model.
- 59 Jiggs Cook, "Four Firms to Spearhead UofC Med School Work," *Calgary Herald*, 20 March 1968. George Agron was engaged as the planning consultant on 22 May 1968.
- 60 Jiggs Cook, Letter to George Agron, 17 July 1968, UARC 99.053 file 5.09.

- 61 Walter Nagle, "Medical School on Schedule," *Calgary Herald*, 4 December 1968. Dr. John Read, a pediatrician (and the father of skier Ken Read), came to the faculty from Queen's University as the first division head in community medicine. Initially there were few faculty to request space, thus Dr. Cochrane's request for "flexibility." Dr. Gerry Scott succeeded Dr. Read when the actual construction began.
- 62 William A. Cochrane, *Final Report to the Architects*, 15 October 1968, UARC 99.053 files 05.01–05.10.
- 63 J. H. Cook, Letter to Harvey Bliss, 28 November 1968, UARC 99.053 file 5.09. The comparable Cook used was the United States Public Health Service, Hospital and Medical Health series, *Health Professions Education: Medical Education Planning. A-1b Medical Education Facilities*, PHS Publications 1180, A-b1 Superintendent of Documents (Washington, DC: US Government Printing office, 1964). Cook found the American document inflexible and out of date. UARC 99.053 file 5.03.
- 64 Dorothy Dickson, interview with Robert Lampard, 10 August 2017. Dorothy Dickson was the wife of Dr. David Dickson.
- 65 J. H. Cook, Letter to Harvey Bliss, 4.
- 66 Spaulding, *Revitalizing Medical Education*, 126–34.
- 67 Robert B. Church, personal communication, 8 January, 2015. This brought utilities to within thirteen feet of any place in the building, allowing the space to be used for offices or a laboratory.
- 68 William A. Cochrane, Letter to A. W. R. Carrothers, 3 February 1969, UARC 99.053 file 6.08.
- 69 William A. Cochrane, interview with Robert Lampard, 8 January 2014.
- 70 Reginald Adshead, Joint Liaison Committee meeting, 5 December 1969, as noted at the Foothills Board meetings on 20 November 1969 and in January 1970, Alberta Health Services Archives (AHSA). Also see the letter from J. D. Campbell, the deputy minister of health, to Dr. W. A. Cochrane, 5 December 1968, UARC 2000.075 file 47.07.
- 71 Walter Nagle, "32 Medical Students Expected Here in '70," *Calgary Herald*, 26 February 1969.
- 72 James C. Mahaffy, Foothills Hospital Board meetings, AHSA, 17 April 1968 and 20 November 1969.
- 73 William A. Cochrane, interview with Robert Lampard, 8 January 2014.
- 74 William A. Cochrane, interview with Robert Bott, U of C, 6 June 1990, UARC 88.025 file 101.
- 75 Keith MacCannell, *Report of Faculty on Visits to Case Western Reserve, Mount Sinai and Temple Schools of Medicine*, 31 July 1969, UARC 99.053 file 16.04.
- 76 Andrew Stewart, University's Commission compared the cost of the Calgary medical school (\$34.30/sq. ft.) with the Basic Medical Sciences Building, Edmonton (\$35.23/sq. ft.), Medical Sciences Building, Toronto (\$43.27/sq. ft.), Dalhousie Medical School (\$47.00/sq. ft.), and McMaster (\$54.00/sq. ft.); see 3 July 1969, UARC 99.053 file 5.01. The University's Commission approved \$15 million to 15 March 1972, a project-management contract on 25 July 1969, and \$5 million toward the building cost after 1972; UARC 99.053 file 8.01. BOG chair L. A. Thorssen appealed to Minister Henderson, saying the government had estimated the cost at \$25 million in 1965. The ACC was now included in the building estimate. At \$34.30 per square foot, it was the same cost as the projected Centennial Hospital in Edmonton; UARC 2000.041 file 7.08.
- 77 James C. Mahaffy, Foothills Hospital Board meeting, 16 September 1968, AHSA.
- 78 Thomas C. Saunders, Appendix F, in *Teachers of Medicine* (Calgary: University of Calgary Press, 1987), 163–6.
- 79 James D. Henderson, *Calgary Albertan*, 24 May 1969. Dr. Ross resigned on 23 April 1968.
- 80 James D. Henderson, "Ross Hands in Health Portfolio," *Calgary Albertan*, 24 April 1969. Also see the *Calgary Albertan*, 21 May 1969, for the official transfer in the legislature.

- 81 William A. Cochrane, Letter to Hon. J. D. Henderson, 6 August 1970, UARC 2000.41 file 7.09. Dr. Cochrane later wrote a cautionary letter to Mr. Henderson explaining that the Foothills Hospital was a teaching hospital, not solely a service “institution.” Dr. Carrothers convinced him not to send the letter; UARC 2000.031 file 7.09.
- 82 James D. Henderson, “Blair Report on Mental Health,” Press Release, 20 June 1969, UARC 99.053 file 16.09. Dr. W. R. N. Blair, the head of psychology at U of C, recommended in his 1968 report that mental health services be general hospital-based, and that no further additions be made to the provincial mental hospitals. For a summary of the report, see Walter Nagle, “Community Involvement ‘Must’ for Mental Health,” *Calgary Herald*, 1 December 1969.
- 83 Gerald Holman, “Pediatrics Department Head named by UofC, Hospital,” *Calgary Herald*, 9 April 1969.
- 84 Harry Brody, “Division Head,” *Calgary Herald*, 17 September 1969.
- 85 William A. Cochrane, “City Doctors Fill Med School Posts,” *Calgary Herald*, 4 March 1970. For a list of the nine department heads already appointed, see “Calgary Names New Department Heads,” *Medical Post*, 15 July, 1969.
- 86 William A. Cochrane, Minutes of Forays 1, 2, 4 on 15 January, 15 April, UARC 2000.042 file 12.12, and FC letter/position paper/chart in UARC 99.053 file 5.15 and 2000.042 files 12.12, 16.18, 16.19.
- 87 William A. Cochrane, Faculty Meeting, 12 November 1969, UARC 2000.042 file 12.12.
- 88 William A. Cochrane, “Twenty-Four Join Medical Faculty,” *Calgary Herald*, 28 October 1970.
- 89 Andrew Stewart, Letter to L. A. Thorssen, 25 July 1969, UARC 99.053 file 8.01.
- 90 Anthony Rasporich, *Make No Small Plans: The University of Calgary at Forty* (Calgary: University of Calgary Press, 2007), 33.
- 91 William Cochrane, Press Release, 18 August 1969, UARC 2000.042 file 18.06.
- 92 William A. Cochrane, Press Release, [18?] August 1969, UARC 2000.042 files 17.06, 87.9, and 12.4. Also see his letter to Mr. Adshead confirming the trip and resigning as the director of pediatrics at the Foothills Hospital, 10 April 1969, UARC 2000.075 file 46.05.
- 93 James D. Henderson, Letter to L. A. Thorssen, 13 August 1969, with the attached Order-in-Council creating the cabinet committee, UARC 2000.041 file 17.06.
- 94 Tyler Trafford, *By Own Forces: The Biography of Jack Simpson* (Calgary: Simpson, 1999), 31, 146–14. Also see “Tenders Invited for University,” *Calgary Herald*, 1 November 1969.
- 95 William Cochrane, FC meeting, U of C Faculty of Medicine Files, 28 January 1970.
- 96 William A. Cochrane, “Med School Sod Turning Set Monday,” *Calgary Herald*, 27 February 1970, and “First Sod Turned for Med School,” *Calgary Herald*, 2 March 1970. A month later, Dr. Cochrane reported that a “doctor shortage [is] possible here. Britain may restrict emigration,” *Calgary Herald*, 16 March 1971.
- 97 Jiggs Cook and William A. Cochrane: see the three red booklets dated 27 February 1969 on the (1) Academic Program, (2) Educational Facilities, and (3) A Suggested Phase 1 Projection. Dr. Cochrane said that the red books, along with his instructions, constituted the academic program for the medical school. Presented to the twenty-seventh meeting of the Capital Development Committee and the Health Sciences Committee of the Board of Governors, 26 February 1969, UARC 99.053 file 5.15. It was forwarded to Dr. Andrew Stewart, chair of the University’s Commission, by BOG chair L. A. Thorssen on 12 June 1969; see UARC 99.053 file 8.01. The total space was 553,500 square feet (gross) or 309,960 net square feet in a 400 by 370 foot structure (or 120 metres by 114 metres).

- 98 Walter Nagel, "Prudence Need Not Be Plodding," *Calgary Herald*, 23 October 1970. Architect Victor Jackson was seconded by the university to the Dean's Office to improve communication and reduce the cost, time, and worry over many of the construction tenders. Jiggs Cook spoke to the local branch of the Engineering Institute of Canada on 3 November 1970. Construction was so fast that the project ran out of money on one occasion. On another, a three-week strike led to a reordering of the construction schedule, which actually shortened the construction time.
- 99 McDougall, *Teachers of Medicine*, 181.
- 100 William A. Cochrane, interview with Robert Lampard, 8 January 2014.
- 101 Robert Church, interview with Robert Lampard, 16 July 2015. The eight- and twenty-foot research lab counters and modules were designed by university architect Jim Goodwin and the patent sold to Versa Services in the United States, earning \$3 million in royalties, which helped fund the renovations.
- 102 Keith MacCannell, *Faculty of Medicine Admission Requirements* (corrected copy), UARC 2000.042 file 16.18 and UARC 99.053 file 2.15.
- 103 Keith MacCannell, *Admission to the Faculty of Medicine* (ca. 1969), 1, UARC 99.053 file 2.15.
- 104 Muriel Kovitz et al., *Entry into Medical School: The Approach of a New Faculty. The Academic, Family Practitioner, Medical Student and Community Representatives Viewpoint*, UARC 99.053 file 2.15.
- 105 William A. Cochrane, "Medical applications increase," *Edmonton Journal*, 2 January 1971.
- 106 James B. Hyne, Medical Science Masters Committee. The first meeting was 9 May 1969; see UARC 99.953 file 5.15.
- 107 William A. Cochrane, "Statement forwarded to the Assessment Group, MRC," [n.d.; 1969?], UARC 99.053 file 8.15.
- 108 Keith Cooper, Letter to Dr. W. A. Cochrane, 4 April 1972. Terms of Reference approved at the 30 January 1970 Research Committee meeting were attached. UARC 2000.075 file 33.05.
- 109 Keith MacCannell, *Research Grant Check List*, 3 June 1971, UARC 2000.075 file 33.05.
- 110 John Baumber et al., *Report of the Working Group to investigate the Rationale of Research Groupings*, 3 August 1973, 1–3, UARC 2000.075 file 30.01.
- 111 William A. Cochrane, Letter to Dr. Malcolm Brown, 8 August 1969, UARC 99.053 file 9.16. Also see "Professor Gets Medical Research Post," *Calgary Herald*, 28 October 1971.
- 112 Stanley Rowlands, Letter to Dr. W. A. Cochrane, 21 December 1917, UARC 99.053 file 1.19.
- 113 Marjorie P. Wilson, Report of the LCME, 18, and the RCPSC On-Site Survey report, 89. Received 1 February 1971; copies in the Dean's Office. For more on the actual application and starting dates of the residency training programs to 1984, see Mary Nemeth, "The Evolution of Graduate Clinical Education in Calgary," (ca. 1974), 70–90, copy in possession of the author and included in McDougall, *Teachers of Medicine*, 107–42.
- 114 Wilson, Report of the LCME, 13–14.
- 115 Ibid, 8.
- 116 Ken Pugh, "Cost of Medical Education in Alberta," 114, October 1971, UARC 85.45 file 11.6. In a 6 December 1971 letter to President Carrothers, Professor Tom Flanagan called the Pugh report the most illiterate document that had ever crossed his desk; see UARC 85.45 file 11.6. The committee members refused to sign the report; only the chairman did.
- 117 William A. Cochrane, "UofC Paves Way for Med Students," *Calgary Herald*, 19 August 1970 and 4 September 1970. The Cochrane and Carrothers opening day presentations were highlighted in "Family Practice Takes Priority at Calgary's New Medical School," *Canada Family Physician* 16 (1970): 112–13.
- 118 Gordon Ford, interview with Robert Lampard, 16 April 2016.

- 119 Ibid.
- 120 A. David Dickson, "Curriculum Development," 16–18, UARC 2000.041 file 7.07.
- 121 Fisher and Levene, *Planning a Professional Curriculum*, 115.
- 122 Ibid., 5–6
- 123 Dickson, "Curriculum Development," 6, UARC 2000.041 file 7.07.
- 124 Wilson, Report of the LCME, 14–15. Also see the extensive discussion of "The Family as a Unit of Medical Care," at Foray #3, 12 February 1969, UARC 2000.042 file 12.12.
- 125 Ibid., 18.
- 126 Peter Price, interview with Robert Lampard, 10 September 2013.
- 127 This position evolved into a coordinator-student affairs on 1 June 1972 and has continued ever since; see UARC 99.053 file 1.19; also noted in "Eavesdrops," *Calgary Albertan*, 8 May 1970. For more details, see Dr. Cochrane's letter to the faculty on 4 January 1971, UARC 88.053 file 17.01
- 128 D. George Wyse, personal communication, 6 July 2011, and William A. Cochrane, "Family Practice Takes Priority at Calgary's New Medical School," *Canadian Family Physician* 16, no. 10 (October 1970): 112–13.
- 129 Henry Mandin, reflections on the "do-it-yourself-curriculum," an innovative approach: personal communication, 10 March 2015. Also see "Medical Education in Alberta," for the objectives of a student internship, UARC 2000.042 file 16.19, and "Clinical Clerkship," a letter from L. E. McLeod to David Dickson, 31 December, 1973, UARC 99.053 file 15.06.
- 130 William Cochrane, Letter to the Faculty, 4 January 1971, UARC 99.053 file 17.01. The program was continued on a voluntary basis.
- 131 Christopher J. Eagle, Penny Jennett, and Henry Mandin, "Learning Issues Identified Using Standardized Patients in a Problem-Based Learning Course," *Annals of Community-Orientated Education* 5 (1992): 269–79.
- 132 There were six articles published on the U of C program from 1968 to 1974, then almost none until the *Planning a Professional Curriculum* book was published in 1989, followed by fifty-seven more articles from 1989 to 2012, after the clinical presentation program was initiated (see W. Woloschuk, UME Publications 1968–2012, UME office). By comparison, McMaster authors published more than a hundred articles and edited/published four books from 1967 to 1989 on their PBL program. See Spaulding, *Revitalizing Medical Education*, 223–8.
- 133 Fisher and Levene, *Planning a Professional Curriculum*, 141–75.
- 134 J. S. Beck, "Problems in the Implementation of the Mastery Model to July 1981," UARC 2000.041 file 15.17.
- 135 Edward J. Love, Committee on Evaluation, UARC 2000.065 files 2.16 and 2000.068 file 2.25. Also see UARC 2000.014 file 15.17 for a discussion of the pass/fail rationale.
- 136 Edward J. Love, *Student Evaluation Procedures*, 15 July 1971 (revised 15 January 1973), UARC 2000.068 file 2.16.
- 137 Fisher and Levene, *Planning a Professional Curriculum*, 35–48.
- 138 William A. Cochrane, "Applicants flood UofA med school," *Edmonton Journal*, 2 January 1971.
- 139 William A. Cochrane, Western Deans meeting, Edmonton, 12 September 1970, UARC 99.053 file 3.06. Topics included evaluation technics, programs for teachers, current initiatives, remote (northern) medical care, CME, teaching approaches, the coordination of visiting speakers and seminars, exchanges for clinical clerkships, research collaboration to minimize duplication, and a one-day educational meeting.

- 140 Robert B. Church, Letter to Dr. W. A. Cochrane, 12 July 1971; confirmed in an interview with Dr. Church, 1 August 2015.
- 141 William A. Cochrane, Draft Agreement between the Stoney Band Council and the University of Calgary dated 6 May 1971, UARC 2000.04 file 11.03.
- 142 “Chief John Snow, Chief Medicine Man,” *University Gazette*, 15 February and 20 July 1972. First Nations people came from as far away as Nordegg and High Level; see UARC 65.001 vol. 2. Catherine Whyte, the founder of the Archives of the Canadian Rockies in Banff, was similarly honoured at the same ceremony.
- 143 The original Morley proposal in 1971 is in UARC 2000.04 files 6.21 and 11.03. Progress reports are in files 11.02, 03, 04. The centre formally opened 20 July 1972. For a five-year status report, see the FC minutes of 12 January and 2 November 1977.
- 144 Alfred W. R. “Fred” Carrothers, Memorandum. Budget letter to the Faculty from the President on the Present Financial Condition of the University of Calgary, 29 February 1972, UARC 99.053 file 5.15.
- 145 William A. Cochrane, Letter to Dr. Carrothers, 23 March 1972, UARC 99.053 file 5.15.
- 146 H. G. Thomson, Letter to Malcolm E. Jones, BOG Chairman; confirmed at the special EFC meeting 16 June 1972. Thomson acknowledged there was a funding disparity between department head salaries at the Foothills and UAH hospitals. He promised to meet with AHSC chairman Dr. John Bradley to discuss it; see UARC 87.9 file 12.1.
- 147 Malcolm E. Jones, U of C Board minutes 11 April 1972, summarizes the meeting with Advanced Education Minister Foster et al.; see UARC 2008.052 file 4.01. Also see Dr. Cochrane’s letter to Dr. Carrothers on 3 May 1972, UARC 99.053 file 5.15, and Dr. Carrothers’s letter to the BOG about the meeting with the cabinet, himself, and Dr. Cochrane on 21 July 1972, UARC 87.9 file 12.6.
- 148 Lawrence A. Fisher, John Dawson, and Stanley Rowlands, *A Plan for the Reorganization of the Administrative Structure of the Faculty of Medicine* (University of Calgary, 1 June 1972), 25, UARC 2000.042 file 16.19 and 99.053 file 1.19.
- 149 William A. Cochrane, Letter to Messrs. Reg Adshhead (FH), Fred Lamb (RVH, District #93), Menzies Dyck (CGH), and Robert Innis (ACH), 18 December 1972, UARC 2000.075 file 46.05.
- 150 William A. Cochrane, Letter to Dr. Keith MacCannell, 10 February 1972, UARC 99.053 file 1.19
- 151 John S. Baumber et al., “The Rationale of Research Groupings,” circulated by Dr. Robert Church, 3 August 1973, 3, UARC 2000.075 file 30.01.
- 152 Keith Cooper, *Annual Report of the Research Committee for 1972*, UARC 2000.075 file 29.01 (n.d). The Research Committee suggested procedures for the Medical Trust Fund Committee; see UARC 2000.075 file 32.01, 5 May 1973.
- 153 Keith MacCannell, Letter to Heads of Divisions et al. on Research Funding at Calgary, 27 March 1973, UARC 2000.075 file 30.
- 154 William A. Cochrane, FC minutes 4 February 1972. The Committee on Research had surveyed the faculty to arrive at the 20 per cent figure, and said it was due to the faculty’s priority—developing a curriculum.
- 155 Keith MacCannell, Letter to Members of the Research Committee, 10 June 1974, UARC 2000.075 file 34.02.
- 156 Warren Veale, Letter to William Tatton, Research Committee chairman, 11 December 1975, UARC 2000.075 file 34.04.
- 157 Lionel E. McLeod, Letter to All Division Heads of the Faculty of Medicine, 17 October 1973; UARC 2000.075 file 30.01. Also see Dr. Cochrane’s letters on how the 1968 U of C Capital Campaign would benefit the Faculty, UARC 2000.042 file 15.14; and how fundraising would affect the (at that time) \$15 million funding by the government, Letter to Dr. Carrothers, 11 September 1969, UARC 99.053 file 5.1.
- 158 Kurt Weissenborn, “Calgary names new department heads,” *Medical Post*, 15 July 1969, and “UofA Man

- Named to Calgary Faculty,” *Calgary Herald*, 29 September 1968.
- 159 Robert B. Church, interview with Robert Lampard, 1 August 2015.
- 160 William A. Cochrane, “Ph.D. program approved,” 3 May 1973, UARC 2000.042 file 11.10.
- 161 Stephen Kimber, *IWK: A Century of Caring for Families* (Halifax: Nimbus, 2009), 65–8, 73–86. Also see Robert Lampard and Barbara Kermode-Scott, *Medicine Makes a Wonderful Life: The Life of Dr. William A. Cochrane* (Lampard, 2019), and Mervyn Graves, *ACH Order of Events Relating to Expansion Program and the Child Health Center*, 26 January 1960–16 July 1966, UARC 99.053 file 5.07.
- 162 William A. Cochrane, Letter to Dr. H. S. Armstrong, 23 January 1967, UARC 99.053 file 5.15.
- 163 William A. Cochrane, Letter to Dr. J. Donovan Ross, Minister of Health, 10 April 1967, UARC 99.053 file 5.15.
- 164 Gerald H. Holman, *A Brief on Child Health Care for Southern, Alberta, Presented to the Calgary Health Sciences Planning Committee*, 5 December 1969, UARC 99.053 files 11.15 and 11.19.
- 165 Gerald H. Holman, *Proposal for the Development of a Regionalized Perinatal and Neonatal Care in Southern Alberta*, UARC 99.053 file 15.21. Dr. Holman personally participated in the most difficult early transports.
- 166 Ian Burgess et al., *Report of the Advisory Committee for the Multiply Handicapped (Burgess Report) for the Department of Health and Social Development*, July 1972; confirmed by Robert Lampard in a personal communication from Dr. Burgess, 23 February 2019.
- 167 William A. Cochrane, FC meeting, U of C Faculty of Medicine, 25 October 1972.
- 168 Neil Crawford, Letter to Dr. W. A. Cochrane, 21 December 1972, UARC 2000.075 file 41.03.
- 169 Progress reports for the LCME and RCPSC were submitted by the faculty in January 1973. The LCME site visit was 2–5 April 1973. The RCPSC’s Specialty Committees and Committee on Evaluation did not make a site visit but reviewed the progress reports and then made its recommendations in a letter to Dr. Cochrane dated 15 June 1973; copies are filed in the Dean’s Office.
- 170 Richard M. Magraw et al., *Report of the Survey of the University of Calgary Faculty of Medicine*, 2–5 April 1973. The RCPSC recommendations were summarized in a letter to Dr. W. A. Cochrane by V. H. Skinner on 13 June 1973.
- 171 William A. Cochrane, interview with Robert Lampard, 16 April 2015.
- 172 William A. Cochrane, *Official Opening, Health Sciences Centre, the University of Calgary Scientific Program*, 28–31 May 1973, UARC 98.92 file 1.01; and the Official Opening Program covering 28 May–2 June 2 1973, UARC 2000.041 file 7.07.
- 173 William A. Cochrane, “Health Centre to Open,” *Calgary Albertan*, 28 May 1973. For the keynote presentations by J. Douglas Wallace on the role and responsibility of the medical profession to society and President Carrother’s presentation on the role and responsibility of the health sciences to society, see UARC 2000.075 file 25.10. Federal Health Minister Claude Castonguay was to speak but was unable to attend.
- 174 Keith Cooper and Karl Lederis, “Recent Studies of Hypothalamic Function in All of Us,” in *Recent Proceedings in Hypothalamus Research* (Basel, CH: A. G. Karger, 1975), as reported in the *U of C University Gazette*, 6 March 1975.
- 175 Stanley Rowlands, Letter to W. A. Cochrane, 18 June 1973, on the opening day ceremonies, UARC 2000.075 file 25.10.
- 176 Rasporich, *Make No Small Plans*, 34, 64–72.

NOTES TO SIDEBAR 2

- 1 “Hall Says Canadians Worrying About Family Doctor’s Future,” *Globe and Mail*, 6 April 1965.
- 2 G. McDougall, ed., *Teachers of Medicine: The Development of Graduate Clinical Medical Education in Calgary* (Calgary: University of Calgary Printing Services, 1987), 148.
- 3 “CFP Profiles—John Corley,” *Canadian Family Physician* 17, no. 8 (1971): 17; D. I. Rice, “Acknowledging a ‘Pioneer’ in Family Medicine,” *Canadian Family Physician* 41 (1995): 1289. Born in Calgary, Dr. Corley graduated from the University of Alberta in 1942 and went into practice in Calgary after postgraduate training at the Colonel Belcher Hospital. Corley was a founding member of the College of General Practice of Canada (renamed the College of Family Physicians of Canada in 1967) and was president of the Alberta chapter in 1963. He died on 25 January 1995 at Kiawah Island, South Carolina. In 1966, the college introduced two experimental residency programs—one at St. Joseph’s Hospital in London, Ontario, and the other at the Calgary General Hospital. Corley was director of the Calgary program. He developed an interest in assessing and evaluating residency training and in 1969 was appointed chief examiner of the college, a position he held until he left to accept a position as professor and chief of the Division of Evaluation in the Department of Family Practice, Medical University of South Carolina in Charleston.
- 4 McDougall, *Teachers of Medicine*, 149.
- 5 Ibid.; M. Dolgoy, “The First Ten Years of the College of General Practice (Alberta Division),” *Canadian Family Physician* 15, no. 2 (1969): 71–3, 75–6.
- 6 D. Woods, *Strength in Study: An Informal History of the College of Family Physicians of Canada* (Toronto: College of Family Physicians of Canada, 1979), 161–2; J. B. Corley et al., “Graduate Training in Family Medicine at Calgary General Hospital, 1965–1969: A Research and Evaluation Project,” *Canadian Family Physician* 16, no. 1 (1970): 105, 107, 109–12.
- 7 Ibid.; McDougall, *Teachers of Medicine*, 47.
- 8 McDougall, *Teachers of Medicine*, 149; D. I. Rice, “Family Practice Training—A Perspective,” *Canadian Family Physician* 14, no. 6 (1968): 41–51; J. Horder, “Professor Ante Vuletić,” *Journal of the Royal College of General Practitioners* 27, no. 185 (1977): 766.
- 9 McDougall, *Teachers of Medicine*, 149.
- 10 Editorial, “Certified Specialists in General Practice,” *CMAJ* 94 (1966): 50, 53.
- 11 Corley et al., “Graduate Training in Family Medicine at Calgary General Hospital 1965–1969: A Research and Evaluation Project,” *Canadian Family Physician* 16, no. 1 (1970): 105, 107, 109–12; McDougall, *Teachers of Medicine*, 48.
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- 19 D. I. Rice, “Family Practice Training,” 41–51.
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- 2 Ruth Simkin, *Dear Sophie. Life Lessons in Feminism and Medicine* (Fairfield, CA: Bedazzled Ink, 2019), 17–21.
- 3 William A. Cochrane, “U of C Paves Way for Med Students,” *Calgary Herald*, 19 August 1970 and 16 September 1970.
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- 5 “Family Practice Takes Priority at Calgary’s New Medical School,” *Canadian Family Physician* 16, no. 10 (1970): 112–13. Also see “Student-Patient Contact Starts Early at New Calgary Medical School,” *CMAJ* 103 (1970): 776.
- 6 Craig Maishment, in letters to Robert Lampard dated 26 August and 3 September 2019, noted how teaching aids included Netter anatomical drawings from CIBA, the teachings of Masters and Johnson, movies from the Kinsey Institute in the GU system, and a voluminous variety of handouts. Still insufficient, he noted his parents “probably spent \$500 at \$25 per book on textbooks to supplement the study guides. It took me seven years to pay off my student debt.”
- 7 George Wyse, *Hearts, Minds, and Vision* (Calgary: Kingsley Publishing, 2012), 281–4. Reconfirmed by Dr. Wyse in a letter to Robert Lampard, 29 November 2019.
- 8 Rod W. Elford, “Continuity Course—Class of 1975,” phase I for the curriculum unit vi on “The Family in Health and Illness.” Personal copy of teaching materials from 1975, received from alumnus Dr. Currie Paddon, West Vancouver, BC.
- 9 William G. Hughson, interview with Robert Lampard, 6 and 7 December 2019. He recalled that the annual tuition was \$850 for an eleven-month academic year.
- 10 Lane Robson, interview with Robert Lampard, 10 December 2019.
- 11 Simkin, *Dear Sophie*, 36.
- 12 Wyse, *Hearts, Minds and Vision*, 282.
- 13 Craig Maishment, letter to Robert Lampard, 26 August 2019.
- 14 Lane Robson, interview with Robert Lampard, 10 December 2019.
- 15 Ibid.
- 16 Ray Lewkonja, et al., “A Comparative Study of Medical Curriculum Outcomes: Opinions of the Graduates of a Traditional Curriculum and an Innovative Curriculum,” in *Advances in Medical Education* (Basel: Springer, 1997), 554–6.

NOTES TO SIDEBAR 4

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- 2 Ibid.
- 3 Ibid. The student who posted the turkey poster may have been Gordon Crawford.
- 4 Dr. J. Bromley, class of 1975, and Dr. Brent Mitchell, class of 1975, interview with Robert Lampard, 12 December 2017.
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- Thorssen, letter to Dr. A. Stewart, 16 May 1969, Library and Cultural Resources Digital Collections, University of Calgary, <http://contentdm.ucalgary.ca/digital/collection/ucpub/id/40412/> (accessed 19 March 2019).
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 - 5 A. David Dickson et al., “Planning for Medical Education at the University of Calgary,” *CMAJ* 100 (1969): 665–9.
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 - 14 *Tally Stick—University of Calgary 1973 Yearbook* (Calgary: Students’ Union of the University of Calgary, 1973), 154.

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- 50 Ibid., 6, 18. The revised agreement was completed in December 1978.
- 51 Ibid., 18–20.
- 52 Neil Crawford and Mervyn Graves, Press Release, 20 March 1974. For details, see UARC 99.053 file 16.09. Also see the EFC meeting minutes on 3 January 1973. The DAT was the location for thirteen clinics by 1975 and thirty-one by 1983.
- 53 Robert G. Black, Foothills Hospital Board meeting, 21 January 1974. Dr. Holman and Dr. McLeod were both five-year Markle scholars, appointed in 1958. Filed in the AHS Archives and Collections, Calgary, Alberta.
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- 61 Peter E. Lougheed, interview with Lois Hammond, 13 September 1999, AHFMR Archives, as quoted in Lampard, *Alberta's Medical History*, 667.
- 62 Robert Lampard, "The Alberta Heritage Foundation for Medical Research: It's Formative Years," in *Alberta's Medical History*, 666–7.
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- 64 *Tri-Party Statement on Medical Research: The Immediate Need for Increased Funding. A Statement, by the Canadian Society for Clinical Investigation, the Federation of Biological Societies and the Association of Canadian Medical Colleges. Summary Part I Financial Requirements* (August 1974), 3–5. Copy in the AHFMR Archives.
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- 72 Robert B. Church, *Guidelines for Evaluation of Research Endeavors*, UARC 2000.075 file 32.05.
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- 77 E. John K. Penikett, EFC meeting, 21 March 1979.
- 78 Gilbert Rosenberg, "Frustrated, Disillusioned Specialists Leave Calgary," *Calgary Herald*, 24 February 1986.
- 79 Gordon T. Miniely, Letter to Messrs. R. Black, T. Baker, 24 October 1977, Appendix A, Board Executive meeting, 27 October 1977.
- 80 John A. Cunningham, *Annual Report of the Director of Stoney Health Center, 1977*, UARC 2000.042 file 11.04. For corroboration, see Dr. Tom Saunders summary in McDougall, *Teachers of Medicine*, 165, and Dr. David Steinman's comments in the EFC meetings of 2 and 16 November 1977.
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- 82 Lionel E. McLeod, Five-Year Development Plan, November 1977, UARC 97.053 file 1.13.
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- 89 Lionel E. McLeod, Letter to All Members of the Faculty, 14 April 1978, UARC 85.45 file 15.5.
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- 91 Robert G. Black, *Foothills Provincial General Hospital Present and Future Roles* (October 1979), 29. Copy in the possession of the author. Also see UARC 49.053 file 1.12 and UARC 85.45 file 15.8 for additional source documents.
- 92 Ibid., 20.
- 93 E. John K. Penikett, *Report by the Medical Advisory Committee to the Foothills Hospital Board*, 12 June 1978, EFC meeting, 21 June 1978 and UARC 99.053 file 1.12.
- 94 Robert G. Black, as quoted in Peach, *A Shelter from the Winds of Illness*, 28.
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- 104 Nina Wischnewski, "Millions Spent on Heart Facilities," *Calgary Herald*, 15 November 1979. The unit was opened two years later; "New Cardio-Vascular Facility Will Expand Research Efforts," *Calgary Herald*, 21 February 1981.
- 105 Clarence Guenter, Letter to Dr. L. E. McLeod, 6 March 1980, with attachments dated 4 March 1977, UARC 2000.075 file 32.02.
- 106 Lionel E. McLeod, Letter to Dr. Norman E. Wagner, President, 27 August 1979, UARC 99053 file 5.12.
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- 110 *Ibid.*, 670–1, 445.
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- 112 Rene Simard, Interview with Robert Lampard, 2 May 2001.
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- 114 Lionel E. McLeod et al. *Five-Year Development Plan, Faculty of Medicine, University of Calgary*, 3 December 1979, 21, UARC 85.45 file 15.5. Tabled at the EFC meeting of 16 January 1980.
- 115 *Ibid.*, 2.
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- 117 *Ibid.*, 3.
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- 128 *Ibid.*, 15–18.
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NOTES TO CHAPTER 5: THE DEAN GALL YEARS

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CHAPTER 7: FINAL THOUGHTS

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Glossary of Abbreviations

ACC	Ambulatory Care Centre	ASPECTS	Alberta Stroke Program Early CT Score
ACH	Alberta Children's Hospital	AUPE	Alberta Union of Provincial Employees
ACHRI	Alberta Children's Hospital Research Institute	BHSc	Bachelor of Health Sciences
ACHS	Alberta Children's Hospital Society	BOG	Board of Governors (U of C)
AHFMR	Alberta Heritage Foundation for Medical Research	BSE	Bovine spongiform encephalopathy
AHS	Alberta Health Services	CACMS	Committee on Accreditation of Canadian Medical Schools
AHSC	Alberta Hospital Service Commission	CBH	Colonel Belcher Hospital
AHSTF	Alberta Heritage Savings Trust Fund	CCFP	Canadian College of Family Practice
AIGE	Interamerican Association of Gastroenterology	CCHA	Canadian Council on Hospital Accreditation
AI-HS	Alberta Innovates-Health Solutions	CDA	Canadian Dental Association
AIMG	Alberta International Medical Graduate	CDHG	Calgary District Hospital Group
AMA	American Medical Association	CF	Cystic fibrosis
AMF	Alberta Medical Foundation	CFPC	College of Family Physicians of Canada
APPROACH	Alberta Provincial Project for Outcomes Assessments in Coronary Heart Disease	CGH	Calgary General Hospital
		CHC	Child Health Centre
		CHOMS	Calgary History of Medicine Society

CHR	Calgary Health Region	DEPA	Division of Educational Planning and Assessment
CHS	Community Health Sciences	DNA	Desoxyribonucleic acid
CIDA	Canadian International Development Agency	ECG	Electrocardiogram
CIHR	Canadian Institutes of Health Research	EEG	Electroencephalogram
CIPS	Canadian Intern Placement Service	EFC	Executive Faculty Council
CMA	Canadian Medical Association	ER	Emergency Room
CME	Continuing Medical Education	ESCAPE	Endovascular Treatment for Small Core and Anterior Circulation Proximal Occlusion with Emphasis on Minimizing CT to Recanalization Times
CMS	Calgary Medical Society	FACP/S	Fellow, American College of Physicians/Surgeons
CNIB	Canadian National Institute for the Blind	FACS	Fellow, American College of Surgeons
CP	Clinical presentation	FC	Faculty Council
CPG	Clinicopathologic Conference	FH	Foothills Hospital
CPR	cardiopulmonary resuscitation	FMC	Foothills Medical Centre
CPSA	College of Physicians and Surgeons of Alberta	FP	Family Practice
CRHA	Calgary Regional Health Authority	FRCP/S	Fellow, Royal College of Physicians/Surgeons
CSM	Cumming School of Medicine	FRCS	Fellow, Royal College of Surgeons
CSP	Calgary Stroke Program	FTE	Fulltime Equivalent
CTU	Clinical Teaching Unit	GCEC	Graduate Clinical Education Committee
CVS	Cardiovascular System	GFC	General Faculty Council
CVS-R	Cardiovascular-Respiratory System	GFT	Geographic full time
DAT	Diagnostic and Treatment Centre	GI	Gastrointestinal
		HBC	Hudson's Bay Company

HBI	Hotchkiss Brain Institute	MAC	Medical Advisory Committee
HCH	Holy Cross Hospital		
HIPEC	Heated intraperitoneal chemotherapy	MaPS	management and professional staff
HMRB	Heritage Medical Research Building	MCAT	Medical College Admission Test
HOM	History of Medicine	MCC	Medical Council of Canada
HRC	Health Resource Centre	MDL	Multidisciplinary Teaching Laboratories
HRF	Health Resources Fund	MMC	Manitoba Medical College
HRIC	Health Research Innovation Centre	MOC	Mandatory Maintenance of Certification
HSC	Health Sciences Centre		
ICN	Intensive Care Newborns	MOCOMP	Maintenance of Competence Project
IHP	International Health Program	MPL	Minimum pass level
IMC	International Medical College	MRC	Medical Research Council
IMG	International Medical Graduate	MRCP	Member of the Royal College of Physicians
ITOR	Interventional Trauma Operating Room	MSK	Musculoskeletal
IWK	Izaak Walton Killam Children's Hospital	NASA	National Aeronautics and Space Administration
JAR	Junior Assistant Residency	NINDS	National Institute of Neurological Disorders and Stroke
JCI	Journal of Clinical Investigation	NWMP	North-West Mounted Police
JLC	Joint Liaison Committee	NWT	North-West Territories
LCME	Liaison Committee on Medical Education	OB/GYN	Obstetrics and Gynecology
LDC	Liaison Development Committee	PAR	Physician Achievement Review
LMCC	Licentiate of the Medical Council of Canada	PGME	Postgraduate medical education
		PLC	Peter Lougheed Centre
		PLP	Physician Learning Plan

RAPTOR	Resuscitation with Angiography, Percutaneous Techniques, and Operative Repair	U of A U of C U of L U of T	University of Alberta University of Calgary University of Lethbridge University of Toronto
RCPSC	Royal College of Physicians and Surgeons of Canada	VP	Vice President
RGH	Rockyview General Hospital	W21C WCMF	Ward of the 21st Century Western Canada Medical Federation
RN	Registered Nurse		
RHPAP	Rural Health Professions Action Plan	WCMFJ	Western Canada Medical Journal
RPAP	Rural Physician Action Plan	WW1	World War I
SAC	Scientific Advisory Committee		
SAR	Senior Assistant Resident		
STARS	Shock Trauma Air Rescue Society		
TBCC	Tom Baker Cancer Centre		
TAG	Teen Advisory Group		
TRW	Teaching, Research, and Wellness Building		
UAH	University of Alberta Hospital		
UBC	University of British Columbia		
UCMC	University of Calgary Medical Centre		
UCVM	University of Calgary, Faculty of Veterinary Medicine		
UEA	University of East Anglia		
UME	Undergraduate medical education		

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Creating the Future of Health is the fascinating story of the first half century of the Cumming School of Medicine at the University of Calgary.

Founded at the recommendation of the Royal Commission on Health Services in 1964, the Cumming School has, from the very beginning, focused on innovation and excellence in health education. With a pioneering focus on novel, responsive and systems-based approaches, it was one of the first schools to pilot multi-year training programs in family medicine and remains one of only two three-year medical schools in North America.

Since the first class in 1973, over 5000 doctors have graduated from the Cumming School of Medicine. Centres of clinical excellence have been created at four affiliated teaching hospitals, and the school now boasts seven medical research institutes at the Foothills/Alberta Children's Campus, the largest medical complex in the province.

Drawing on interviews with key players and extensive research into documents and primary material, *Creating the Future of Health* traces the history of the school through the leadership of its deans. This is a story of perseverance through fiscal turbulence, sweeping changes to health care and health care education, and changing ideas of what health services are and what they should do. It is a story of triumph, of innovation, and of the tenacious Calgary spirit that thrives to this day at the Cumming School of Medicine.

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