

Canadian Anesthesiologists in the International Arena

Angela Enright

University of British Columbia

Objectives

- Role played by Canadian anesthesiologists in 3 organizations
 - Academy of Anesthesiology
 - International Anesthesia Research Society
 - World Federation of Societies of Anesthesiologists

I have no disclosures

Acknowledgement: Wood Library Museum

Dr Douglas Bacon





Arthur
Guedel

John
Lundy

Lincoln
Sise

Ralph
Sise

Brian
Sword

Henry
Ruth

Ansel
Caine



Eason Brown
Harry Shields
Charles Robson

Charles
Stewart

Jack
Blezard

3rd meeting 1931

- Hosted in Toronto by Easson Brown, Charles Robson & Harry Shields
- Hosted in Montreal by Wesley Bourne, Harold Griffith & Charles Stewart
- Harold Griffith Montreal 1930
- Wesley Bourne Montreal 1931
- Charles le Roque Montreal 1931

Presented 1933: Published CMAJ 1934

CYCLOPROPANE ANÆSTHESIA: A CLINICAL RECORD OF 350 ADMINISTRATIONS*

BY HAROLD R. GRIFFITH, M.D.,

Montreal

IN 1929 Lucas and Henderson, of the University of Toronto, published in this *Journal* the first report¹ on cyclopropane gas ($\text{CH}_2.\text{CH}_2.\text{CH}_2.$) as an anæsthetic agent. Their work was confined to animal experimentation, but their results pointed to the possibility of the advantageous use of the gas for surgical general anæsthesia. They showed that it could be given with a high percentage of oxygen, that it produced good muscular relaxation, and that it did not upset metabolism or show evidence of toxicity to any of the organs.^{2, 3} The difficulties of manufacture of the gas in quantity sufficient for human use were such that it was not until

1930 that the Ohio Chemical & Manufacturing Company produced a few gallons in a very pure form. In December, 1930, R. M. Waters, of the University of Wisconsin, administered it to the first human cases. Since then he has been the leader in clinical experimentation with this gas. During the summer of 1933 Stiles, Neff, and Rovenstine, working under the direction of Professor Waters, carried out a series of over six hundred administrations to patients in the State of Wisconsin General Hospital, Madison, Wisconsin. Their report has recently been published.⁴ They have confirmed the findings of Lucas and Henderson in regard to the safety of the gas, and found that it produced quiet, relaxing anæsthesia in human patients. Their work with the gas is continuing.

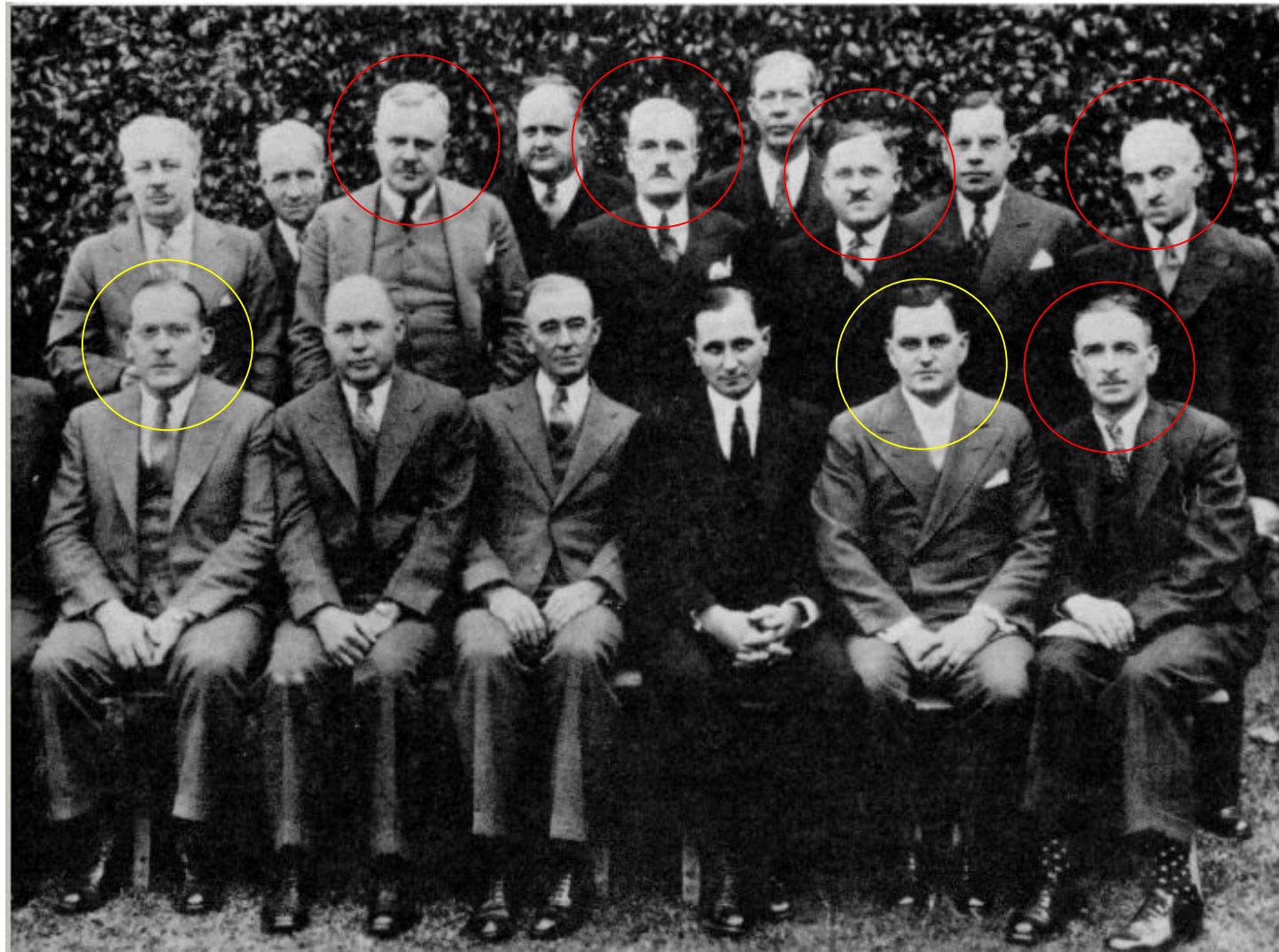
* From the Department of Anæsthesia, Homoeopathic Hospital of Montreal. Read before the Montreal Society of Anæsthetists, on June 6, 1934.

Anaesthetists' Travel Club Meeting 1935

Standing L to R

Easson Brown 3rd
Wesley Bourne 5th
Harold Griffith 7th
John Blezard 9th

Sitting L to R
Ralph Waters 1st
John Lundy 5th
Charles Stewart 6th



1937 Meeting Montreal & Toronto

- Visit to Sick Kids
- Presentations by Dr CH Best &
Sir Frederick Banting
- Football game Ottawa v Argos 15-11

Fun things they did

- Bootlegger 1930
- University football game 1933
- Empire State Building 1934
- Radio City Music Hall 1934
- Police Headquarters: “Anesthesia used for criminal purposes with case reports”
- Sing Sing Prison
- Football Yale v Penn
- 1935 New Orleans Sugar Bowl



A 1950 restaurant visit of (L-R): Drs Griffith, Stephen, Tovell and Bourne with their wives.

1938 Meeting, Madison

- David Aikenhead
- Bev Leech

Winnipeg
Regina



1952 Meeting

- Active membership had increased to 30
- Too big to continue with the visits
- Formed the Academy of Anesthesiology
- Harold Griffith elected 1st VP
- Harry Shields elected Hon VP
- Charles Robson Hon Treas



A

1929

TC

1952

A

Canadian Presidents of the Academy

- Harry Shields*
- Rod Gordon*
- Stanley Campbell*
- Richard Gilbert*
- Alan Conn
- Emerson Moffitt
- Ian Purkis*
- Germain Houle*
- Doug Crowell*
- Brendan Finucane
- Ron Gregg*
- Bill Pope
- Gerry Goresky
- Angela Enright*

Canadian Recipients of the Citation of Merit of AA

- Harold Griffith
- Rod Gordon
- Emerson Moffitt

President of ASA

Wesley Bourne 1942

Canadian Recipient of Distinguished Service Award of ASA

Harold Griffith 1959



IARS

International Anesthesia Research Society



- 1919 NARS
- 1922 Current Researches in Anesthesia & Analgesia
- 1925 IARS
- To initiate & foster research
- To establish the Int Research Foundation
- To extend publication of the literature of anesthesia

CURRENT RESEARCHES IN
*ANESTHESIA
& ANALGESIA*

F. H. MCMECHAN, A.M., M.D., EDITOR

Anesthesia
and Analgesia

Current Researches in
Anesthesia
& Analgesia

Anesthesia
and
Analgesia

... BY DIFFERENT RESEARCHERS

Recent Advances in Cardiovascular Physiology	Page 100
An Evaluation of the Hemodynamic Effects of Nitrous Oxide	Page 105
Effect of Carbonic Anhydrase Inhibitors	Page 111
Cardiac Effects of Anesthesia	Page 116
Respiratory Effects of Anesthesia	Page 121

Journal of the International Anesthesia Research Society

Volume 45, Number 2

July-August, 1968

436 Pages - Back 18 to Vol. 1967 - Set Review - Periodic

ANESTHESIA
&
ANALGESIA

Journal of the International Anesthesia Research Society and the Society of Cardiovascular Anesthesiologists

ANESTHESIA
&
ANALGESIA

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A word cloud featuring various names in different colors and sizes. The names are arranged in a roughly circular pattern, with some names being significantly larger than others. The colors include shades of blue, green, red, yellow, and brown. The names are: Moffitt, Bevan, Shields, Chan, Craig, Steward, Meineri, Warren, Gelb, Brull, Duncan, Griffith, Enright, Lloyd, Bourne, Beattie, Friend, Froese, Donati, Slinger, and Tremblay.

Moffitt
Bevan
Shields
Chan
Craig
Steward
Meineri
Warren
Gelb
Brull
Duncan
Griffith
Enright
Lloyd
Bourne
Beattie
Friend
Froese
Donati
Slinger
Tremblay

Canadian Board Members IARS

• Don Warren	Hamilton	1925-41
• Harry Shields	Toronto	1942-46
• Kenneth Heard*	Toronto	1947-48
• Harold Griffith**	Montreal	1948-61
• Emerson Moffitt*	Halifax	1974-89
• Douglas Craig*	Winnipeg	1978-96
• David Bevan*	Vancouver	1991-05
• Adrian Gelb*	London	1995-07
• Davy Cheng*	London	2007-
• Bev Orser	Toronto	2013 -



1993

IARS Research Awards

- >\$14 million for research since 1983
- >200 projects funded
- SMART Tots



2005 - 2006
4th Grade and Science Program
SERIALS
ORSER, M
TOWNSHIP, ON, CANADA

Frontiers in Anesthesia Award \$500,000 US

IARS



February 12, 1995 Anaesthetics, Second Messenger Systems and Ligand-gated Receptors

Severin A. Orser, MD, FRCPC
Assistant Professor
Dept. of Anaesthesia
University of Toronto
Room 3318, Medical Sciences Building
1 King's College Circle
Toronto, Ontario M5S 1A8

Dear Dr. Orser,

On behalf of the Trustees of the International Anesthesia Research Society, I have the distinct pleasure to inform you that you have been chosen as the first IARS Frontiers in Anesthesia Research Awardee. The Award was established to promote innovation and creativity of an investigator whose research is perceived to have

Canadian Award Winners

IARS Mentored Research Award: \$175,000

2013

Sinziana Avramescu

U of Toronto

Gerard Curley

U of Toronto

2016

Daniel McIsaac

U of Ottawa

SCA –IARS Mid-Career Grant

2010 Greg Hare

U of Toronto

Canadian Award Winners

Achievement in Education Award

2013 Vincent Chan U of Toronto

Clinical Scholar Research Awards

1999 Pierre Fiset McGill

2001 Thomas SchrickerMcGill

2005 David Ansley UBC



CANADIAN ANESTHESIOLOGISTS' SOCIETY
SOCIÉTÉ CANADIENNE DES ANESTHÉSIOLOGISTES

Social Accountability: How can Anesthesiology Face the Challenge?

No Anesthesia Care? Who's problem is it?

IARS 2018
Chicago





1st World Congress 1955

All roads lead to
Scheveningen

26 countries

Support from IARS
essential

**Harold Griffith elected
1st President WFSA**



Aims of WFSA

- *“To make available the highest standard of anesthesia to all peoples of the world”*
- Assist the formation of national societies
- Dissemination of scientific information
- Standards of training
- Opportunities for training
- Encourage research
- Establish safety measures
- Advise when asked

PAUL M. WOOD, M. D.
23 COZZENS AVENUE
HIGHLAND FALLS, N. Y.,

**THE SECOND
WORLD CONGRESS
of
ANAESTHESIOLOGISTS**

•

Under the Distinguished Patronage of His Excellency

MAJOR GENERAL GEORGES P. VANIER
D.S.O., M.C., C.D.

The Governor-General of Canada

•

TORONTO, CANADA

SEPTEMBER 4 TO 10, 1960

**WORLD CONGRESS OF
ANAESTHESIOLOGISTS**



TORONTO



SEPTEMBER 4-10, 1960

Organizing Committee 1960

R.A Gordon	Chair
S. M Campbell	Programme
S.J Heron	Registration & Housing
R.H Meredith	Social Events
J.M MacKay	Translation
S.L Vanderwater	Finances
J.M Shapely	Scientific Exhibits
A.W Conn	Commercial Exhibits
Mrs H.W Boyes	Ladies Committee
Miss E.R Cambell	Secretary

2nd World Congress

- Royal York Hotel
- > 2000 delegates
- 152 papers
- 36 member societies
- >12,000 members
- Rod Gordon elected
Chair of EXCO



Scientific Programme

MONDAY, SEPTEMBER 5th, 1960

MORNING

Room 1 (Concert Hall)

CHAIRMAN—HAROLD R. GRIFFITH,
M.M., M.D.C.M., F.R.C.P.(C), F.F.A.R.C.S., F.A.C.A.

1. 8:30 A.M. "Drug Consumption Curves in Anaesthesia, their Theory and Application".
M. Keeri-Szanto, Montreal, Canada.
 2. 8:50 A.M. "The Effect of General Anaesthesia upon Pulmonary Circulation in Man".
Gordon M. Wyant, H. V. Donaldson, J. E. Merriman, Saskatoon, Canada.
 3. 9:10 A.M. "The Effects of Inhalation Anaesthesia upon the Finer Structures of Lung Alveoli".
Akira Inamoto, Jitsue Nakajima, Kyoto University, Japan.
 4. 9:30 A.M. "The Effect of Anaesthesia upon the Significance of Sensory Impulses".
J. Clutton-Brock, University of Bristol England.
 5. 9:50 A.M. "Electro-Physiological Study of Sensory Blocking Mechanisms of Inhalation Anaesthesia".
Hideaki Ueyama, Luke M. Kitahato, Kazuhiko Kawashima, Wakayama Medical College, Japan.
- 10:00 A.M. - 10:20 A.M. Discussion.
- 10:20 A.M. - 10:40 A.M. Coffee Break and Exhibits.

CHAIRMAN—JOHN GILLIES,
C.V.O., M.B.B.Ch., F.F.A.R.C.S.,
University of Edinburgh, Scotland.

6. 10:40 A.M. "The Uptake, Distribution and Excretion of Halothane in Man".
Prof. R. F. Woolmer, D. W. Hill, London, England.
 7. 11:00 A.M. "Effects of Halothane on the Mid-Brain, Reticular Formation and the Thalamus".
Hamilton S. Davis, W. F. Collins, Vincent E. Quitmeyer, Western Reserve University, Cleveland, Ohio.
 8. 11:20 A.M. "Action of Methyl Phenidate (Ritalin) on the Respiratory Centre".
Sanford Cobb, J. Gerard Converse, Miami, Florida.
- 11:40 A.M. - 12:00 noon Discussion.

AFTERNOON

Room 1 (Concert Hall)

CHAIRMAN—ALEXANDRE GOLDBLAT, M.D.,
Brussels, Belgium

25. 10:40 A.M. "Trends in Anaesthesia for Neurosurgery".
Richard G. B. Gilbert, R. A. Millar, G. F. Brindle, McGill University, Montreal, Canada.
 26. 10:50 A.M. "A Simplified Method for Safe and Controllable Hypothermia in Neurosurgery".
Marialuisa Bozza, Marina Rossanda, Milan, Italy.
 27. 11:00 A.M. "The Value of Routine Blood Volume Measurements in Major Surgery".
S. N. Albert, Washington, D.C.
- 11:20 A.M. - 11:30 A.M. Discussion.
28. 11:30 A.M. "Fire and Explosion Hazards with Flammable Anaesthetics and their Control—a Demonstration".
Professor George J. Thomas, M.D., University of Pittsburgh, U.S.A.

AFTERNOON

Room 2 (Ball Room)

CHAIRMAN—ENRICO CIOCATTO, M.D.
University of Turin, Italy

29. 2:00 P.M. "An Evaluation of Premedication in Paediatric Anaesthesia".
H. T. Davenport, J. Rosales, M. McGregor, The Montreal Children's Hospital and McGill University, Canada.
 30. 2:20 P.M. "Phenazocine (Prinadol) as an Adjunct to Paediatric Anaesthesia".
Robert M. Smith, John B. Stetson, Harvard University, Boston, Mass.
 31. 2:40 P.M. "Anaesthesia for Tonsillectomy in Children".
Victor Goldman, University of London, England.
 32. 3:00 P.M. "Controlled Sedation and Anaesthesia for Children Undergoing Cardiac Catheterization Procedures".
Clarence L. Hebert, Margaret A. Clark, Dean H. Morrow, National Institute of Health, Bethesda, Maryland.
- 3:20 P.M. - 3:30 P.M. Discussion.
- 3:30 P.M. - 3:50 P.M. Coffee Break and Exhibits.

CHAIRMAN—OTTO JUST, M.D.,
University of Berlin, Germany

33. 3:50 P.M. "Report on 8000 Hypotensive Anaesthetics".
G. E. Hale Enderby, East Grinstead, England.
34. 4:10 P.M. "Clinical Evaluation of Sodium Nitroprusside as a Hypotensive Agent in

9th WCA 1988

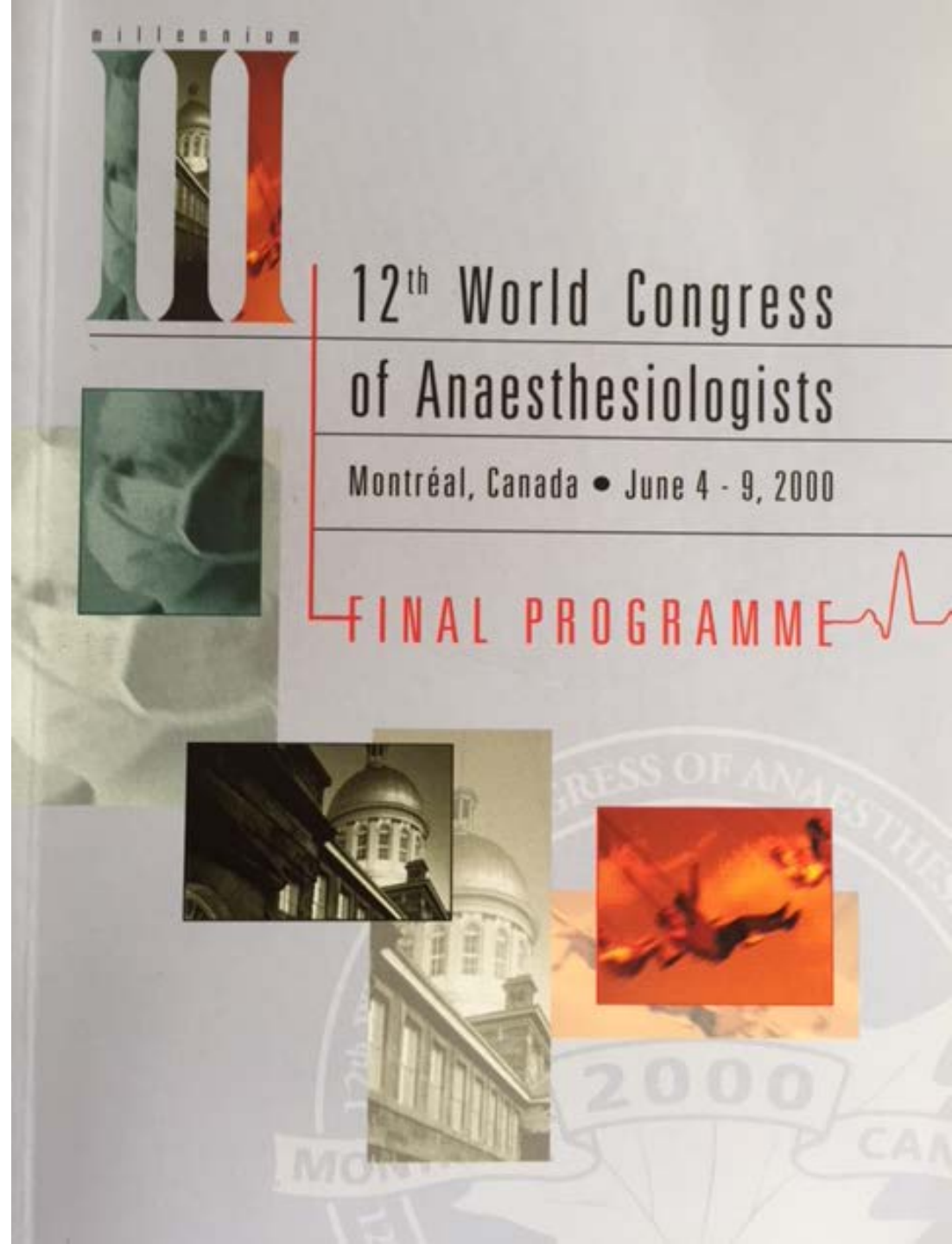


12th WCA Montreal 2000



Organizing Committee

Angela Enright: Chair
John Cowan: Treas
Gordon Sellery: Fellows
Jean Taillefer: Social
David Bevan: Science
David Morison: Exhibit
John Clark: Marketing
Pierre Limoges: PR
Serge Lenis: Pres CAS
Tony Boulton: Past Pres
Angela Snider: Exec Dir



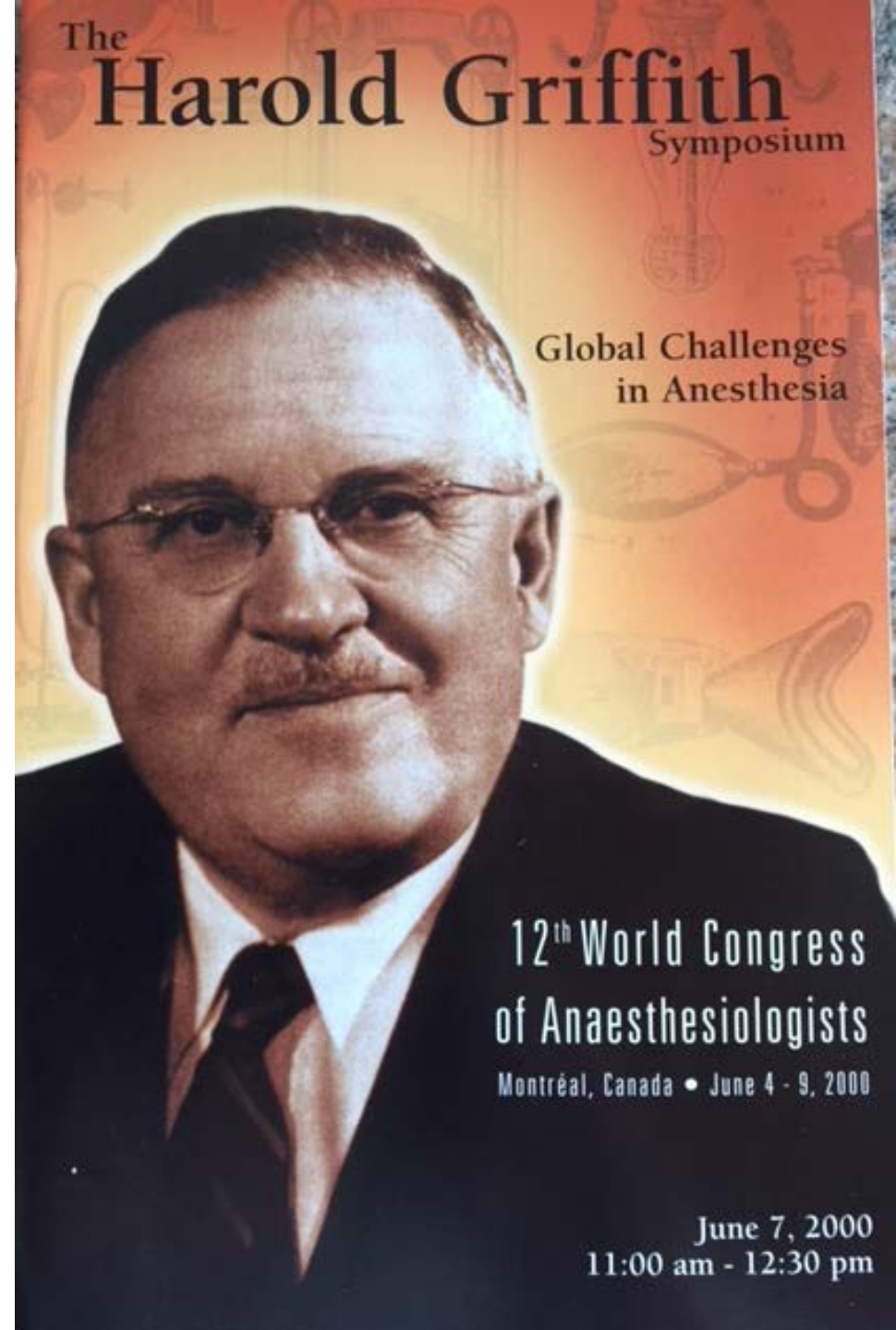
Montreal 2000

- >10,000 participants
- >1600 Canadians
- >1000 Latin Americans
- 9 concurrent sessions
- 1st Workshops
- French, English and Spanish
- CME credits by IARS
- International Fellowships 53 from 41 countries

**Challenges in the
Developing World**
Prof Thara Tritrakarn

**Is Professional Self-
Regulation Doomed?**
Dr Margaret Branthwaite

Research is Important
Dr David Bevan



From 2000.....

David Bevan Chair of EXCO

Angela Enright Chair of Education Committee

John Cowan Finance Committee



.....to 2008

Angela Enright
elected

President WFSA



...to 2016

- Pierre Fiset Council
- Davy Cheng Chair Scientific Committee
- Bev Orser Safety & Quality Committee
- Dylan Bould Education Committee
- Jason McVicar Pain Committee
- David Rosen Pediatric Committee
- Greg Klar Publications Committee
- Ron George Obstetric Committee
- David McKnight Constitution Committee



WFSA
WORLD FEDERATION OF SOCIETIES OF
ANAESTHESIOLOGISTS

#KetamineIsMedicine



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Go

Uniting Anaesthesiologists to Improve Patient Care and Access to Safe Anaesthesia

Anaesthesiology is the practice of medicine dedicated to the total care of the patient before, during and after surgery. Anaesthesiologists are also experts in resuscitation, pain management and intensive care.

With a network of hundreds of thousands of anaesthesiologists in over 150 countries WFSA facilitates learning and promotes the highest standards of patient care around the world. [Find out more about what we do.](#)



OUR PROGRAMMES

Advocacy



We promote a focus on the availability, safety and quality of anaesthesiology

Education & Training



We develop the skills, knowledge and leadership of anaesthesia providers

Innovation & Research



We invest in innovation and research for universal access to safe anaesthesia

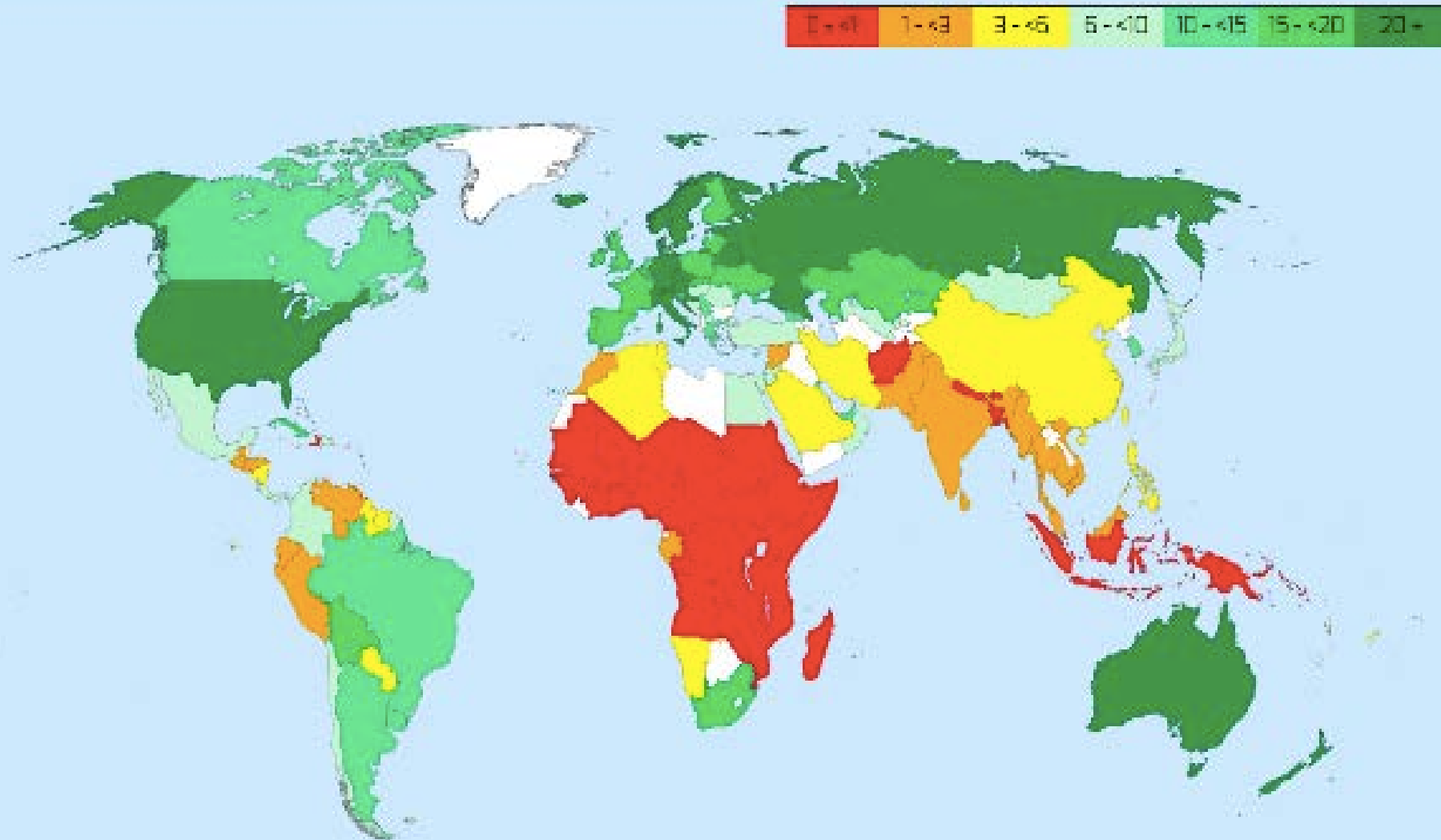
Safety & Quality



We promote global standards and the wellbeing of our professionals

WFSA Workforce Survey

Physician anesthesia providers per 100,000 pop





WFSA

WORLD FEDERATION OF SOCIETIES OF
ANAESTHESIOLOGISTS

Education

Fellowship Training Programmes

Latin America:

- Argentina, Buenos Aires (x2) - Pain
- Brazil, Fortaleza (x2) - Regional
- Brazil, Botucato (x2) - Pain
- Chile, Santiago (x2) - Paediatrics
- Colombia, Medellin (x2) - Obstetric
- Colombia, Bogota - Pain

North America:

- USA, Ohio (x2) - Research Fellowship

Europe:

- Serbia, Belgrade (x2) - Paeds

South Asia:

- India, Vellore (x5) - Paeds(2)/ICU(3)
- India, New Delhi - Thoracic
- India, Hyderabad (x2) - Pain
- India, Coimbatore (x2) - Regional
- India, Bangalore (x2) - Cardiac
- India, Mumbai - Regional Paeds
- Malaysia, Kuala Lumpur (x2) - Obs
- Singapore - Paeds
- Thailand, Bangkok (x2) - General
- Thailand, Bangkok (x2) - Pain

Africa/Pan Arab:

- Ghana, Kumasi (x2) - Regional
- Nigeria, Lagos (x1) - Paeds
- Kenya, Nairobi (x3) - Paeds
- South Africa, Johannesburg/Cape Town (x2) - Pain
- Egypt, Assiut (x2) - ICU
- Egypt, Cairo (x1) - Neuro/Cardiac

WFSA training programmes span:

- 14 countries
- 21 hospitals
- 48 fellowships
- 8 specialities

Visit www.wfsahq.org
for more information



WFSA
WORLD FEDERATION OF SOCIETIES OF
ANAESTHESIOLOGISTS

Education

- SAFE –OB, SAFE –Paeds, SAFE-OR
- Train the Trainers
- Essential Pain Management
- Update in Anaesthesia
- Tutorial of the Week
- Anesthesia & Analgesia GH Section

- International Standards for a Safe Practice of Anaesthesia
- Guideline for the safe use of anaesthetic machines
- Partner with ICRC to produce Anaesthesia Handbook
- Occupational Wellbeing in Anesthesiologists
- Lifebox

World Health Organization-World Federation of Societies of Anaesthesiologists (WHO-WFSA) International Standards for a Safe Practice of Anesthesia

Normes internationales pour une pratique sécuritaire de l'anesthésie de l'Organisation mondiale de la santé et de la Fédération mondiale des sociétés d'anesthésiologie (OMS-FMSA)

Adrian W. Gelb, MBChB, FRCPC · Wayne W. Morriss, MBChB, FANZCA · Walter Johnson, MD · Alan F. Merry, MBChB, FANZCA, FFPANZCA, FRCA on behalf of the International Standards for a Safe Practice of Anesthesia Workgroup

Lifebox

- Surgical safety checklist

Surgical Safety Checklist		
World Health Organization Patient Safety		
Before induction of anaesthesia <small>(with at least nurse and anaesthetist)</small>	Before skin incision <small>(with nurse, anaesthetist and surgeon)</small>	Before patient leaves operating room <small>(with nurse, anaesthetist and surgeon)</small>
<p>Has the patient confirmed his/her identity, site, procedure, and consent?</p> <p><input type="checkbox"/> Yes</p> <p>Is the site marked?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> Not applicable</p> <p>Is the anaesthesia machine and medication check complete?</p> <p><input type="checkbox"/> Yes</p> <p>Is the pulse oximeter on the patient and functioning?</p> <p><input type="checkbox"/> Yes</p> <p>Does the patient have a:</p> <p>Known allergy?</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes</p> <p>Difficult airway or aspiration risk?</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes, and equipment/assistant available</p> <p>Risk of >500ml blood loss (7ml/kg in children)?</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes, and two IV/central access and fluids planned</p>	<p>Confirm all team members have introduced themselves by name and role.</p> <p>Confirm the patient's name, procedure, and where the incision will be made.</p> <p>Has antibiotic prophylaxis been given within the last 60 minutes?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> Not applicable</p> <p>Anticipated Critical Events</p> <p>To Surgeon:</p> <p><input type="checkbox"/> What are the critical or non-routine steps?</p> <p><input type="checkbox"/> How long will the case take?</p> <p><input type="checkbox"/> What is the anticipated blood loss?</p> <p>To Anaesthetist:</p> <p><input type="checkbox"/> Are there any patient-specific concerns?</p> <p>To Nursing Team:</p> <p><input type="checkbox"/> Has sterility (including indicator results) been confirmed?</p> <p><input type="checkbox"/> Are there equipment issues of any concerns?</p> <p>Is essential imaging displayed?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> Not applicable</p>	<p>Nurse Verbally Confirms:</p> <p><input type="checkbox"/> The name of the procedure</p> <p><input type="checkbox"/> Completion of instrument, sponge and needle counts</p> <p><input type="checkbox"/> Specimen labelling (read specimen labels aloud, including patient name)</p> <p><input type="checkbox"/> Whether there are any equipment problems to be addressed</p> <p>To Surgeon, Anaesthetist and Nurse:</p> <p><input type="checkbox"/> What are the key concerns for recovery and management of this patient?</p>

This checklist is not intended to be comprehensive. Additions and modifications to fit local practice are encouraged.

Revised 1/2008 © WHO, 2009

Infection reduction
 “Clean Cut”
 Innovation
 Fellowships
 Pneumonia



