

Saskatchewan Heart and Stroke Foundation

CPR Instructor - Trainer 1987-1999
 Workplace Hazardous Material Instructor - Trainer 1988-1999

Professional Association of Diving Instructors - International

Master Scuba Diver Trainer 1989-1996

CMI Intoxilyzer, Owensboro, KY, USA

US Dept. of Transportation Breath Alcohol Technician Instructor 2000

National Patent Analytical Systems, Inc., Mansfield, OH, USA

BAC DataMaster Supervisor Program 2008

Intoximeter EC/IR II Breath Alcohol Technician, Columbus, OH, USA

US Dept of Transportation Breath Alcohol Technician 2009
 Factory Authorized Calibration Technician

Dräger Alcotest Breath Alcohol Technician, Mt. Laurel, NJ, USA

Breath Alcohol Operator Training Course 2011

Publications

Major Publications

“Breath Alcohol Testing in the Workplace” 2005
 Industrial Training & Design Ltd., ISBN 1-894977-83-1

“Intoxilyzer Breath Alcohol Testing – Professional Edition” 2004
 Industrial Training & Design Ltd., ISBN 1-894977-80-7

“Cameco Radioactive Materials Transport Safety Program” 2001

“Infectious Disease Reference Guide” – Saskatoon Police Service 1997
 Adopted across Canada by various municipal police agencies.

Refereed Journal Articles

“Airflow Obstruction and Roadside Breath Alcohol Testing”, CHEST – The Journal of Respiratory Medicine, Prabhu, Hurst, Cockcroft, Baule and Semenoff, Vol. 100, Aug. 1991.

Journal Articles

“Alcohol Testing in the Age of COVID-19”, Voice for the Defense – The Journal of the Texas Criminal Defense Lawyers Association, March 2021.

“Case Study: Potential False-Positive Readings by a SCRAM Device”, The Vindicator – The Journal of the Ohio Association of Criminal Defense Lawyers, 2018.

“The Need for Scientific Literacy”, The Vindicator – The Journal of the Ohio Association of Criminal Defense Lawyers, 2017.

“Accuracy, Precision & Reliability”, The Vindicator – The Journal of the Ohio Association of Criminal Defense Lawyers, 2017.

Electronic Publications

“Counterpoint – The Journal of Science and the Law”, Published by Industrial Training & Design Ltd., ISSN 2369-2774, Editor and Author. 2015 -

Electronic Training & Educational Resource Packages

“Counterpoint – The DUI Investigations Mastery Series”

- “The Core Skills I Course”*** 2022
- “Exposing the Myths Surrounding Alcohol”***, Semenoff, J. & Reschny, S., Industrial Training & Design Ltd., ISBN 978-1-89497-30-2. 2011
- “An Introduction to Metrology”***, Reschny, S., Semenoff, J. & Vosk, T., Industrial Training & Design Ltd., ISBN 978-1-89497-50-0. 2011
- “Shipping Nuclear Substances”***, Industrial Training & Design Ltd., ISBN 1-89497-25-4. 2005
- “The New Clear Language Transportation of Dangerous Goods Computer-Based Training. 3rd Edition (Version 3.0)”***, Industrial Training & Design Ltd., ISBN 1-894977-10-6. 2003
- “WHMIS in the Workplace, Computer-Based Training, 2nd Edition (Version 2.0)”***, Industrial Training & Design Ltd., ISBN 1-894977-12-2. 2003
- “Forklift Safety in the Workplace Computer-Based Training”***, Industrial Training & Design Ltd., ISBN 1-894977-14-9. 2003
- “Lock-Out / Tag-Out in the Workplace Computer-Based Training”***, Industrial Training & Design Ltd., ISBN 1-894977-17-3. 2003

Guidebooks & Policy Documents

- “Redline Industries Program - Confidential”*** Calgary, AB 2011
- “Chemtrade Safety Program”*** Saskatoon, SK 2010
- “Young Seeds Program - Confidential”*** Young, SK 2009
- “Policy Development - Confidential”***, Saskatchewan Research Council 2008
- “Fall-Arrest Protocols & Policy”***, Government of Canada, Agriculture & Agri-Foods Canada 2004
- “Russel Metals Canada Safety Program”*** 2005
- “Elite Force Program - Confidential”*** Sacramento, CA 2000
- “Smucker’s Foods Confined Space Program”***, Saskatoon, SK 2003
- “Smucker’s Foods Fall Arrest Safety Program”***, Saskatoon, SK 2003
- “Robin Hood Federal Forklift Safety Program”*** Saskatoon, SK 2001
- “Robin Hood Fire Evacuation Policy”***, Saskatoon, SK 2001
- “Nu-Tech Industries Safety Program”***, Saskatoon, SK 2000
- “Deca Industries Safety Program”***, Saskatoon, SK 2000
- “Redi-Medic First Aid & Survival Guidebook”***, Saskatoon, SK 1999
- translated into French as, ***“Redi-Medic Guide de premiers soins & de survie”*** 1999
- “Sunnydale Foods - Confidential Program”***, Wynyard, SK 1997

Training Manuals & Resource Packages

<i>"Occupational Health & Safety Orientation Programs"</i> , BHP Billiton	2014
<i>"Confined Space Orientation Program"</i> , BHP Billiton	2014
<i>"Confined Space Supervisor Orientation Program"</i> , BHP Billiton	2014
<i>"Ground Disturbance Orientation Program"</i> , BHP Billiton	2014
<i>"Ground Disturbance Supervisor Orientation Program"</i> , BHP Billiton	2014
<i>"Working at Heights Orientation Program"</i> , BHP Billiton	2014
<i>"Working at Heights Supervisor Orientation Program"</i> , BHP Billiton	2014
<i>"High Voltage Orientation Program"</i> , BHP Billiton	2014
<i>"High Voltage Supervisor Orientation Program"</i> , BHP Billiton	2014
<i>"Performing Hot Work Orientation Program"</i> , BHP Billiton	2014
<i>"Isolation Orientation Program"</i> , BHP Billiton	2014
<i>"Isolation Supervisor Orientation Program"</i> , BHP Billiton	2014
<i>"Permit to Work Orientation Program"</i> , BHP Billiton	2014
<i>"Vicinity to Exposed High Energy Orientation Program"</i> , BHP Billiton	2014
<i>"Vicinity to Exposed High Energy Supervisor Orientation Program"</i> , BHP Billiton	2014
<i>"Shipping Nuclear Substances – A Training Guide to the Safe Consignment of Radioactive Materials"</i> , Saskatchewan Research Council, ISBN 1-894977-24-6	2005
<i>"Effective Occupational Health & Safety"</i>	2002
<i>"Accident Investigators Resource Kit"</i>	2002
<i>"Chemical Handling & Spill Response Resource Kit"</i> , BASF	1999
<i>"Chemical Handling & Spill Response Resource Kit"</i> , Monsanto	1998
<i>"WHMIS Resource Kit"</i>	1999
<i>"Transportation of Dangerous Goods Resource Kit"</i>	1999
<i>"Confined Space Entry Resource Kit"</i>	1998
<i>"Emergency Medical Responders Resource Kit"</i>	1998
<i>"Industrial First Aid Resource Kit"</i>	1997
<i>"Effective Infectious Control for Police Officers"</i>	1997
<i>"Lockout / Tag-Out Resource Kit"</i>	1997
<i>"Situational Awareness Resource Kit"</i>	1996
<i>"CPR Instructors Resource Kit"</i>	1996
<i>"Driving Without Impairment"</i> – for the Government of Saskatchewan, used by the Royal Canadian Mounted Police and various municipal Saskatchewan police services	1995
<i>"CPR Response Training"</i> , Saskatoon Police Service,	1988 - 1994
<i>"Standard First Aid Resource Guidebook"</i> , Canadian Red Cross, Sask. Division	1987
<i>"Emergency Medical Dispatch Guidebook"</i> , Saskatoon Police Service	1987

Invited Presentations

Peer Reviewed Submissions

“Performance Characteristics of the Intoxilyzer 9000: An Independent Assessment & Review”,
Poster Presentation & Written Materials, The International Association of Forensic Sciences,
21st Triennial Meeting, Toronto, ON, 2017.

Approved for Continuing Legal Education Credit

“The Calibration of Breath Test Devices”, Massachusetts Committee for Public Counsel Services,
Online Seminar, 2023.

“Reliability in Retrograde Extrapolations”, DUI Defense Lawyers Association, Nashville, TN, 2023.

Advanced OVI Seminar”, Course Faculty, Ohio Association of Criminal Defense Lawyers, Columbus,
OH, 2023.

“Focus on Elementary Training”, Massachusetts Continuing Legal Education, Breathe Easy: Breath
Testing in Court Program, Online CLE, 2022.

“Breath Alcohol Testing, SFST, and DRE Issues”, Colorado Criminal Defense Bar, 2022 DUI
Conference, Online CLE, 2022.

“The Intoxilyzer 9000 & Alcohol Testing in the Age of COVID-19”, Georgia State Bar Association
Institute of Continuing Legal Education, Online CLE, 2021.

“Alcohol Testing in the Age of COVID-19”, Florida Association of Criminal Defense Lawyers, Online
CLE, 2021.

“An Overview of Breath Alcohol Testing”, with Jonathan Rands, JD, DUI Defense Lawyers
Association, Online CLE, 2021.

“Reflections on DUI Defenses – GERD & Reliability”, Breathe Easy: Breath Testing in Court,
Massachusetts Continuing Legal Education Seminar, Online CLE, 2021.

“Emerging Issues in Breath Alcohol Testing”, The Mastering Scientific Evidence Conference,
National College for DUI Defense and the Texas Criminal Defense Lawyers Association, Online
CLE, 2021.

“Reflections on DUI Defenses – GERD & Reliability”, The Man v Machine Seminar, New York State
Association of Criminal Defense Lawyers, Online CLE, 2021.

“The Physiology of Breath Alcohol Testing”, New York State Association of Criminal Defense
Lawyers, Online CLE, 2020.

“Alcohol Testing in the Age of COVID-19”, Dallas Criminal Defense Lawyers Association, Online
CLE, 2020.

“Alcohol Testing in the Age of COVID-19”, DUI Defense Lawyers Association, Online CLE, 2020.

“An Introduction to Breath Alcohol Testing”, New York State Association of Criminal Defense
Lawyers, Online CLE, 2019.

“An Introduction to Drug Recognition Evidence and the Dräger 5000”, Saskatchewan Trial
Lawyers Association, Regina, SK, 2019.

“Breath Testing Basics – Understanding the Process”, DUI Defense Lawyers Association, San
Diego, CA, 2019.

“Understanding the Intoxilyzer 9000”, Texas Criminal Defense Lawyers Association, Houston, TX,
2019.

“Updated - Performance Characteristics of the Intoxilyzer 9000”, Georgia State Bar Association
Institute of Continuing Legal Education, Atlanta, GA, 2019.

“Why Science Matters”, DUI Defense Lawyers Association, Nashville, TN, 2019.

- “Presenting Scientific Evidence to Jurors”***, with Bruce Kapsack, Esq., California DUI Lawyers Association, San Francisco, CA, 2018.
- “An Independent Assessment of the Intoxilyzer 9000”***, The Sixth Annual Man v. Machine Seminar, New York, NY, 2018.
- “Performance Characteristics of the Intoxilyzer 9000”***, New Hampshire Association of Criminal Defense Lawyers, Manchester, NH, 2018.
- “Advanced OVI Seminar”***, Course Faculty, Ohio Association of Criminal Defense Lawyers, Columbus, OH, 2018.
- “Performance Characteristics of the Intoxilyzer 9000”***, Trial Skills University, Key West, FL, 2018.
- “Performance Characteristics of the Intoxilyzer 9000”***, Georgia State Bar Association Institute of Continuing Legal Education, Atlanta, GA, 2017.
- “The Science of Breath Alcohol Testing”***, DUI Defense Lawyers Association, Charleston, SC, 2017.
- “The Intoxilyzer 9000”***, Georgia Association of Criminal Defense Lawyers, Atlanta GA, 2017.
- “Advanced OVI Seminar”***, Course Faculty, Ohio Association of Criminal Defense Lawyers, Columbus, OH, 2017.
- “Scientific Literacy in the Courtroom”***, South Carolina Criminal Defense Lawyers Association, Columbia, SC, 2016.
- “The Intoxilyzer 9000 & the Unknown”***, DUI Defense Lawyers Association, Denver, CO, 2016.
- “Recent Trends in Breath Alcohol Testing”***, California Public Defenders Association, Monterey, CA, 2016.
- “Advanced OVI Seminar”***, Course Faculty, Ohio Association of Criminal Defense Lawyers, Columbus, OH, 2016.
- “Breath Testing”***, Florida Bar Association, Fort Lauderdale, FL, 2015
- “Breath Testing”***, California Association of Criminal Defense Lawyers, Santa Monica, CA, 2015.
- “Fundamentals in Breath Alcohol Testing”***, with Bruce Kapsack, Esq., Michigan Association of Criminal Defense Lawyers, Detroit, MI, 2014.
- “The Intoxilyzer 8000”***, Maine Association of Criminal Defense Lawyers, Freeport, ME, 2014.
- “Fundamentals of Alcohol Testing”***, Colorado Public Defenders Annual Conference, Westminster, CO, 2012.
- “Understanding the Intoxilyzer 5000”***, Texas Criminal Defense Lawyers Association Top Gun Seminar, Austin, TX, 2012.
- “Understanding the Intoxilyzer 5000”***, Texas Criminal Defense Lawyers Association Top Gun Seminar, Arlington, TX, 2012.
- “Issues in Breath Testing – The EC/IR II”***, Saskatchewan Trial Lawyers Association, Saskatoon, SK, 2012.
- “Medical Issues in DUI Defense”***, The Mastering Scientific Evidence Conference, National College for DUI Defense and the Texas Criminal Defense Lawyers Association, New Orleans, LA, 2012
- “The Intoxilyzer 5000 Breakout Session”***, The Mastering Scientific Evidence Conference, National College for DUI Defense and the Texas Criminal Defense Lawyers Association, New Orleans, LA, 2012.
- “An Assessment Tool for the Reliability of Breath Alcohol Tests”***, South Carolina Association of Criminal Defense Lawyers Reese Joye Conference, Columbia, SC, 2011.
- “Measurement Uncertainty in Scientific Testing”***, Tennessee Association of Criminal Defense Lawyers, Nashville, TN, 2011.
- “A Primer on the EC/IR II Breath Test Instrument”***, Keynote Speaker, The Second EC/IR II Conference, Williamsburg, VA, 2011.

- “Assessing the Reliability of Breath Tests”***, National Association of Criminal Defense Lawyers DUI Conference, Las Vegas, NV, 2011.
- “The Intoxilyzer 5000 Breakout Session”***, The Mastering Scientific Evidence Conference, National College for DUI Defense and the Texas Criminal Defense Lawyers Association, New Orleans, LA, 2011.
- “An Update to the Science of Breath Alcohol Testing”***, California DUI Lawyers Association, San Diego, CA, 2011.
- “Can Breath Tests Go Wrong?”***, Lyons Legal Seminars, Key West, FL, 2011.
- “Understanding the Fundamentals of Breath Alcohol Testing”***, The DUI Symposium, Atlanta, GA, 2010.
- “Principles of Breath Alcohol Testing”***, Tennessee Association of Criminal Defence Lawyers, Tunica, MS, 2010.
- “Assessing Reliability in Breath Alcohol Measurement”***, Utah Association of Criminal Defence Lawyers, Salt Lake City, UT, 2010.
- “Variables in Breath Alcohol Measurement”***, Ohio Association of Criminal Defence Lawyers, Columbus, OH, 2010.
- “The Effects of Alcohol at Altitude”***, Lyons Legal Seminars, Key West, FL, 2010.
- “The Science of Breath Testing”***, California DUI Lawyers Association, San Diego, CA, 2010.
- “Asserting Challenges in Breath Alcohol Testing”***, Invited presentation with Thomas E. Workman, Jr., Institute of Continuing Legal Education in Georgia, Georgia State Bar, Atlanta, GA, 2009.
- “A Primer on Breath Alcohol Testing”***, Colorado Criminal Defence Bar, Boulder, CO, 2009.
- “The Expert Witness as Educator”***, National Association of Criminal Defence Lawyers Annual Conference, Las Vegas, NV, 2009.
- “Critical Issues in Breath Alcohol Testing”***, National Association of Criminal Defence Lawyers Annual Conference, Las Vegas, NV, 2009.
- “Current Issues in Alcohol Testing in Light of Bill C-2”***, Quebec Bar Association, Montreal, QC, 2009.
- “Examining Evidentiary Issues in Forensic Testing”***, The Forensic Blood and Urine Testing Program, San Diego, CA, 2009.
- “A Primer on Breath Alcohol Testing”***, Keynote Speaker, New Hampshire Association of Criminal Defence Lawyers, Manchester, NH, 2009.
- “The Fallibility of Breath Testing Devices, Protocols and Practices”***, Arizona Association of Criminal Defence Lawyers, Tucson, AZ, 2009.
- “Emerging Issues in Breath Alcohol Testing”***, Colorado Association of Criminal Defence Lawyers, Keystone, CO, 2009.
- Guest Panelist – “Who Killed Carter? – Bill C-2”***, Ontario Criminal Lawyers Association 2008 Fall Conference, Toronto, ON, 2008
- “Bill C-2 & The Fallibility of Breath Testing Devices, Protocols & Practices”***, Quebec Bar Association, Montreal, QC.
- “Bill C-2 & The Fallibility of Breath Testing Devices, Protocols & Practices”***, Quebec Bar Association, Gatineau, QC, 2008.
- “Fundamental Principles of Breath Alcohol Testing”***, Tennessee Association of Criminal Defence Lawyers, Tunica, MS, 2008.
- “Asserting Challenges in Breath Alcohol Testing”***, Institute of Continuing Legal Education in Georgia, Georgia State Bar, Atlanta, GA 2008.
- “Emerging Issues in Breath Alcohol Testing”***, Alaska Association of Criminal Defence Lawyers, Girdwood, AK, 2008.

- “Examining Evidence to the Contrary”***, Alaska Association of Criminal Defence Lawyers, Girdwood, AK, 2008.
- “Common Interfering Substances in Breath Alcohol Testing”***, The Mastering Scientific Evidence Conference, National College for DUI Defense and the Texas Criminal Defense Lawyers Association, New Orleans, LA, 2008.
- “Operational Considerations in Breath Alcohol Testing”***, Breath Test Equipment Source Code Seminar, Atlanta, GA, 2008.
- “Issues in Breath Alcohol Testing”***, South Carolina Senate Judiciary Hearing, House Bill 3496, Columbia, SC, 2007.
- “Neglected Issues in Breath Alcohol Testing”***, Keynote speaker, South Carolina Association of Criminal Defence Lawyers Annual Conference, Columbia, SC, 2007.
- “Issues of Concern in Breath Alcohol Testing”***, Georgia Association of Criminal Defence Lawyers Annual Conference, Blairsville, GA, 2007.
- “Emerging Issues in Breath Alcohol Testing”***, National Association of Criminal Defence Lawyers Annual Conference, Las Vegas, NV, 2007.
- “Examining Evidence to the Contrary”***, National Association of Criminal Defence Lawyers Annual Conference, Las Vegas, NV, 2007.
- “Breath Alcohol Testing”*** Osgoode Hall, York University Intensive Criminal Law Program, Guest Lecturer, York University, Toronto, ON, 2006.
- “Fuel Cells and Breath Alcohol Testing”*** EC/IR Annual Conference, Washington, D.C., 2006.
- “Examining the Unknowns in Breath Alcohol Testing”*** Defenders Education, Portland, Maine, 2006.
- “Breath Alcohol Testing”***, Alberta Criminal Trial Lawyers Association, Edmonton, AB, 2005.
- “Alcohol Testing in the Workplace”***, Canadian Society of Safety Engineering, Saskatoon, SK, 2004.
- “Driving Without Impairment Program”***, Government of Saskatchewan, Saskatoon, SK, 1991-1999.
- “Shipping Nuclear Substances”***, Saskatchewan Geological Survey Open House, Government of Saskatchewan Industry and Resources, Saskatoon, SK, 2005.
- “Preparing Effective E-Learning Programs”***, Saskatchewan Advanced Technologies Association Annual Workshop, Saskatoon, SK, 2004.
- “Preparing Effective E-Learning Programs”***, Canadian Association of Safety Engineering Professional Development National Conference, Saskatoon, SK, 2003.
- “Preparing Effective E-Learning Programs”***, Canadian Association of Safety Engineering Professional Development National Conference, Edmonton, AB, 2003.
- “Infectious Disease Protocols and Police Response Issues”***, Canadian Police Association, Regina, SK, 1997.
- “Infectious Disease Protocols and Police Response Issues”***, Saskatchewan Federation of Police Officers, Saskatoon, SK, 1997.
- “Targeting Office & Workplace Safety”***, Saskatchewan Optical Dispensers Association Regina, SK, 1996

Media Interviews

“Why are Canadian Police Using Expired Blood Collection Equipment in DUI Investigations?”

Toronto Star (Vancouver Bureau) by Joanna Chiu, June 2021.

“COVID-19 Concerns Prompting Breathalyzer Refusals: Vancouver Lawyer” City News 1130

Vancouver by Ashley Burr, Recorded television interview, July 2020.

“Blown Away: Why Police Rely on Faulty Breathalyzers” – Live radio interview, 1A with Joshua

Johnson, Produced by Kathryn Fink, National Public Radio, Nov 2019.

“These Machines Can Put You in Jail. Don’t Trust Them” – The New York Times by Stacy Cowley

and Jessica Silver-Greenberg, Editor - Randy Pennel. Conducted a series of interviews and background consulting for year-long investigation by reporters for The New York Times, Nov 2019.

“Forensic Experts Question Reliability of Breathalyzer used by Minnesota Law Enforcement Agencies” – KSTP Eyewitness News, Recorded television interview, Jul 2019.

“Vito Fossella May Challenge Accuracy of Blood-Alcohol Machine” – James Gordon Meek, New York Daily News, Washington Bureau, May 2008.

Awards & Merits

Letters of Commendation

- Chief A.O. Maguire, Saskatoon Police Service, 1992
- Chief A.O. Maguire, Saskatoon Police Service, 1993
- Chief A.O. Maguire, Saskatoon Police Service, 1995
- Deputy Chief M. Montague, Saskatoon Police Service, 1993
- Superintendent F. Simpson, Saskatoon Police Service, 1991
- Chief J. Penkala, Saskatoon Police Service, 1987
- Chief J. Penkala, Saskatoon Police Service, 1990
- Superintendent E. Menu, Edmonton Police Service, 1988
- Superintendent D. Cocroft, Vancouver Police Department, 1988
- Terrence Hinz, Senior Crown Prosecutor, Saskatchewan Justice Public Prosecutions, 1990

Certificate of Achievement

- Heart & Stroke Foundation of Saskatchewan, 1997

Additional Professional Activities

Instructor – Self Contained Breathing Apparatus and Respirator Technologies	1988
Instructor – WHMIS, Heart & Stroke Foundation of Saskatchewan	1988
Instructor - Saskatoon Police Emergency Response Team - Tactical First Aid	1992 - 1999
Instructor - Level “B” Safety Attendants – Emergency Medical Responder	1997
Instructor – Transportation of Dangerous Goods	1997
Instructor – Confined Space Entry	1998
Instructor – Forklift Safety	2001
Instructor – Police Service Preparation Program, Universal Career College	2002-2003
Instructor – Security Services Program, Universal Career College	1996-2003
Instructor – Fall Protection Supervisor Level III, North Safety Products, Edmonton, AB	2003
Instructor – Rigging & Overhead Crane, Alberta Manufacturers Health & Safety Assoc.	2006
Instructor – Standardized Field Sobriety Testing Instructor, Tony Corroto Enterprises	2011
Expert Witness – Qualified as an expert witness in breath alcohol testing in over 150 Federal, District and Provincial Court attendances, in courts in Canada and the USA	2004 – Present
Expert Witness – Confined Space Entry & Adult Safety Training Programs – Saskatchewan Human Rights Commission	2012
Expert Witness – Establishing Breath Alcohol Testing Programs – Senate Judiciary Sub-Committee, South Carolina State Senate Hearings, Columbia, South Carolina	2007
Witness – Adult Safety Training Programs – Saskatchewan Labour Standards	1999
Witness – Judicial Inquiry into Conduct of Judge R. J. Smith, Provincial Justice Inquiry	1995
Member - Basic Life Support Advisory Committee, Heart & Stroke Foundation of Saskatchewan	1987 - 1998
Member - Instructors Advisory Committee - Canadian Red Cross	1988 - 1992
Member - Victim’s Assistance Advisory Committee	1991
Advisor – Professional Association of Diving Instructors - Ice Diving Advisory Committee, Winnipeg	1990
Advisor - Detention Policy and Procedures - Saskatoon Police Service	1994 - 1999