

CURRICULUM VITAE

PETER A. MURPHY
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WORK EXPERIENCE:

- 2009- Present** Full time operation of Interstate Accident Reconstruction Consultants - Accident Reconstruction Specialists
- 2008- December** December 2008- Retired from the Massachusetts State Police after 34 years service, with 24 years of Accident Reconstruction experience.
- 2001- 2008** March 2001 Massachusetts State Police Collision Analysis and Reconstruction Section - Central Team Supervisor
- 1974 - 2001** Member Massachusetts State Police. Promoted to Corporal - 1989, Sergeant - 1992. Midnight Station and Troop Shift Commander. Investigated or supervised the investigation of over 800 accidents.
- 1974 – 2008** Over 15,000 Hours of Field Experience installing and maintaining worksite traffic control systems on state highways and secondary roads.
- 1993 - Present** Owner - Interstate Accident Reconstruction Consultants - Accident Reconstruction Specialists
- 1987** Case Law established from expert testimony, Massachusetts Appeals Court - Commonwealth Vs. Keller - 87-1292 Affirmed that physical evidence gathered and observed at fatal accident scene and expert opinion formed was correct and did indicate the point of impact and direction of travel of vehicles after impact.

WORK EXPERIENCE:

- 1984 - Present** Testified over 50 times as an expert witness in the following courts: Orange, Gardner, Leominster, Ayer, Springfield, Fitchburg District and 6-Man, Lowell 6-Man, Worcester District and 6-Man, Framingham 6-Man, Franklin County Superior Court, Hampshire County Northampton Superior Court, Norfolk County District & Superior Court, Dedham, MA, Quincy District Court, Suffolk County Grand Jury, Boston, Bristol County Superior Court, Middlesex Superior Court, Woburn, MA., Federal Court First Circuit San Juan Puerto Rico
- 1984 - Present** Provided expert assistance in the field of Accident Reconstruction to numerous police departments, including the US Army.

EDUCATION / PROFESSIONAL TRAINING:

- 2016** WORLD RECONSTRUCTION EXPOSITION 2016, (WREX 2016), Sponsored by By 21 Accident Reconstruction Organizations, Orlando Florida, May 2-6, 2016 (5 Days)
- 2014** National Association of Professional Accident Reconstructionists (NAPARS), Combined Conference And Training Seminar, (NAPARS, NJAARS, MDATAI, NATARI, NYSTARS) Portland, ME, (3 Days) September 10-12, 2014
- 2014** Motor Vehicle Headlamp Performance and Mapping Training Seminar, by James S. Sobek, P.E., Clearly Visible Presentations, Portland, ME, September 9, 2014
- 2014** Southeastern Collision Reconstruction Conference, Co-sponsored by SCARS, South Carolina Association of Reconstruction Specialists and IAARS, International Association of Accident Reconstruction Specialists Conference And Training Seminar, Charleston, SC, (5 Days) July 21- 25, 2014
- 2013** Southeastern Collision Reconstruction Conference, Co-sponsored by SCARS, South Carolina Association of Reconstruction Specialists and IAARS, International Association of Accident Reconstruction Specialists Conference And Training Seminar, Charleston, SC, (5 Days) July 22-26, 2013

EDUCATION / PROFESSIONAL TRAINING:

- 2012** Southeastern Collision Reconstruction Conference, Co-sponsored by SCARS, South Carolina Association of Reconstruction Specialists and IAARS, International Association of Accident Reconstruction Specialists Conference And Training Seminar, Charleston, SC, (5 Days) July 23-27, 2012
- 2010** IAARS, International Association of Accident Reconstruction Specialists Conference And Training Seminar, Bloomington, MN, (3 Days) July 19-21, 2010
- 2010** Accident Reconstruction Network (ARC) and Collision Safety Institute (CSI) joint Crash Conference, Las Vegas, NV May 24 – 27, 2010 (4 Days)
- 2009** IAARS, International Association of Accident Reconstruction Specialists Conference And Training Seminar, Hosted By The Idaho State Police (4 Days) Sept 14-17, 2009
- 2008** IPTM, Institute of Police Technology and Management, Univ. Of North Florida Training Seminar, Pedestrian and Bicycle Crash Investigation. (5 Days) MSP Academy June 23-27, 2008
- 2008** Crash Data Retrieval update training, MSP Millbury, MA, February 07, 2008 (1Day)
- 2007** Assist Mass State Police Academy staff develop an On-line training course for Work Zone Safety (1 Day) March
- 2007** Photogrammetry Training Mass State Police Millbury, MA. (3 Days) May
- 2006** Collision Safety Institute, Rusty Haight, Crash Data Retrieval (CDR) Technician and Data Analyst Certification Course, New Braintree, MA (4 Days) January 23-26, 2006
- 2006** ATSSA, American Traffic Safety Services Association, Worksite Traffic Supervisor at Highway Construction Zones Training Seminar, Worcester, MA (3 Days) March

EDUCATION / PROFESSIONAL TRAINING:

- 2006** IAARS, International Association of Accident Reconstruction Specialists Co-Sponsored F3 T2 Conference And Training Seminar, Hosted By The Texas Association Of Accident Reconstruction Specialists, Houston, Texas (4 Days) Sept 18-21, 2006
- 2005** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Boise, Idaho (4 Days) Sept 12-15, 2005
- 2005** Mass State Police Digital Camera Training, Foxboro, MA September 20
- 2005** Vista FX2 Computer 2D, 3D & Animation Diagramming Training, Franklin, MA (4 Days) Sept. 26-29, 2005
- 2005** Photo Modeler – Digital Measuring of Photos & 3D Coordinate Point Locating Training, Franklin, MA (4 Days) October 10-13, 2005
- 2005** Vericom 3000 - Training Seminar, Franklin, MA (2 Days)
- 2003** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Olathe, KS, July 7-11, 2003
- 2002** ATSSA, American Traffic Safety Services Association Worksite Traffic Supervisor at Highway Construction Zones Recertification Exam (1 Day 03-10-02)
- 2002** IAARS, International Association of Accident Reconstruction Specialists/ MATAI Midwest Association of Technical Accident Investigators Joint Training Conference, Minneapolis, MN (3 Days) June19-21,2002
- 2001** IPTM, Institute of Police Technology and Management, Univ. Of North Florida Training Seminar, Applied Physics for Traffic Crash Investigators, Peabody, MA. (5 Days) September 17-21,2001
- 2001** AUTO-CAD Training Seminar, Dean College, Franklin, MA. (5 Days) August 13-17,2001

EDUCATION / PROFESSIONAL TRAINING:

- 2001** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Grand Rapids, MI (4 Days) July 16-19,2001
- 2000** WORLD RECONSTRUCTION EXPOSITION 2000, (WREX 2000), Co-Hosted By 22 Accident Reconstruction Organizations, Texas A&M University, College Station, Texas, (6 Days) Sept.
- 2000** VERICOM Computer Training and Certification by Rick Jobe, Mass State Police Academy, New Braintree, MA. (2 Days) April
- 1999** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Charleston, SC (4 Days) July
- 1998** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Boston, MA (4 Days) July
- 1997** IPTM, Institute of Police Technology and Management, Unv. Of North Florida Training Seminar, Bus Accident Investigation, Mass State Police Academy, New Braintree, MA. (5 Days) Sept
- 1997** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Vancouver, British Columbia, Canada (3 Days) July
- 1997** IPTM, Special Problems in Traffic Accident Reconstruction Training Seminar, Unv. Of North Florida, Jacksonville, FL. (1 Week) April
- 1996** Texas A&M University Engineering Extension Service Training Seminar, Applied Physics For Accident Reconstruction, Mass state Police Academy, New Braintree, MA, (5 days) November
- 1996** Engineering Dynamics Computer-Aided Drafting Program Training Seminar, Mass State Police Academy, New Braintree, MA. (3 Days) August

EDUCATION / PROFESSIONAL TRAINING:

- 1996** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Boise, Idaho (4 Days) July
- 1996** IPTM, Special Problems in Traffic Accident Reconstruction Training Seminar, Univ. Of North Florida, Jacksonville, FL. (1 Week) April
- 1995** Texas A&M University Engineering Extension Service Training Seminar, Bio-Mechanics of Traffic Accidents, Mass State Police Academy, New Braintree, MA. (5 days) October
- 1995** IPTM, Institute of Police Technology and Management, Univ. Of North Florida Training Seminar, Motorcycle Accident Investigation, Mass State Police Academy, New Braintree, MA. (5 Days) September
- 1995** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Grand Rapids, MI. (4 Days) July
- 1994** IPTM, Special Problems in Traffic Accident Reconstruction Training Seminar, Univ. Of North Florida, Jacksonville, FL. (1 Week) April
- 1994** Governor's Highway Safety Bureau Training Seminar Older Drivers Visual Behavior On The Highway, Waltham, MA., (20 Hours) December
- 1994** NIKON Law Enforcement Photography Seminar, Mass State Police Academy, New Braintree, MA. (2 Days) November
- 1994** TAARS, Texas Association of Accident Reconstruction Specialists, SOAR, Society of Accident Reconstructionists, WATAI, Washington Association of Technical Accident Reconstructionists Combined Training Seminar, Texas A&M Univ., College Station, TX., (2 Days) November

EDUCATION / PROFESSIONAL TRAINING:

- 1994** Texas A&M University Engineering Extension Service Training Seminar, Pedestrian / Bicycle Accident Investigation, Mass State Police Academy, New Braintree, MA. (40 Hours) August
- 1994** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Portland, ME., (4 Days) July
- 1994** IPTM, Special Problems in Traffic Accident Reconstruction Training Seminar, Jacksonville, FL. (1 week) April
- 1994** ATSSA, American Traffic Safety Services Association, Worksite Traffic Supervisor at Highway Construction Zones Training Seminar, Braintree, MA. (3 Days) March
- 1994** Mass State Police In-Service Reconstruction Training Seminar, Mass State Police Academy, New Braintree, MA., (5 Days) January / February
- 1993** National Highway Traffic Safety Administration Occupant Protection Usage and Enforcement Instructor Training Program, Northampton, MA., (3 Days) November / December
- 1993** Day Time / Night Time Visibility - Perception - Reaction Time Seminar by Dr. Bernard Abrams, Mass State Police Academy, New Braintree, MA.(40 Hours) Oct.
- 1993** Private Tutoring by noted Accident Reconstruction Expert, Myron J. Lofgren, Elk River, MN., (5 Days) July
- 1993** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Bloomington, MN., (4 Days) July
- 1993** Mass State Police In-Service Accident Reconstruction Training Seminar, Mass State Police Academy, New Braintree, MA., (1 Week) May
- 1993** IPTM, Special Problems in Traffic Accident Reconstruction training Seminar, Jacksonville, FL., (1 Week) April

EDUCATION / PROFESSIONAL TRAINING:

- 1992** Mass State Police In-Service Accident Reconstruction Recertification and Training Seminar, Mass State Police Academy, New Braintree, MA. (1 Week) Dec.
- 1992** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Charleston, SC., (4 Days) July
- 1992** IPTM, Special Problems in Traffic Accident Reconstruction Training Seminar, Jacksonville, FL (1 week) April
- 1991** TAARS, SOAR, and WATAI Combined Training Seminar, Orlando, FL., (4 Days) October
- 1991** Law Enforcement Instructor Development Course, Conducted by FBI Academy Staff, Mass State Police Academy, (1 Week) August
- 1991** Private Tutoring by noted Accident Reconstruction Expert, Myron J. Lofgren, Elk River, MN. (5 Days) July
- 1991** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Kansas City, MO
- 1991** IPTM, Special Problems in Traffic Accident Reconstruction Training Seminar, Jacksonville, FL., (1 Week) April
- 1990** New England State Police Administrators Conference Supervisor Training Seminar, Mass State Police Academy, (2 Weeks) April
- 1990** IPTM, Special Problems in Traffic Accident Reconstruction Training Seminar, Jacksonville, FL. (1 Week) April
- 1989** IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Minneapolis, MN., (1 Week) June
- 1989** Mass State Police In-Service Accident Reconstruction Recertification and Training Seminar, Mass State Police Academy, (3 Days) June

EDUCATION / PROFESSIONAL TRAINING:

- 1988** Mass State Police In-Service Accident Reconstruction Recertification and Training Seminar, Mass State Police Academy, (1 Week) June
- 1987** Commercial Vehicle Inspection and Accident Investigation Seminar, Metro-Boston Training Complex, (1 Week) October
- 1987** Mass State Police In-Service Accident Reconstruction Recertification and Training Seminar, Mass State Police Academy, (3 Days) June
- 1986** Mass State Police In-Service Accident Reconstruction Recertification and Training Seminar, Mass State Police Academy, (3 Days) November
- 1985** Mass State Police In-Service Accident Reconstruction Recertification and Training Seminar, Mass State Police Academy, (4 Days) June
- 1984** IPTM Accident Reconstruction Course, Mass State Police Academy, (2 Weeks)
- 1983** IPTM Advanced Accident Investigation Course, Mass State Police Academy (1 Week)
- 1982** IPTM Basic Accident Investigation Course, Mass State Police Academy (1 Week)
- 1974** Accident Investigation Course, Mass State Police Academy
- 1972** Greenfield Community College Greenfield, MA Associates Degree Civil Engineering

TEACHING EXPERIENCE / LECTURES:

- 2016** Presentation of **Accident Reconstruction In Temporary Traffic Control Zones** - WORLD RECONSTRUCTION EXPOSITION 2016, (WREX 2016), Orlando Florida, May 5, 2016

TEACHING EXPERIENCE / LECTURES:

- 2014** Lecture of **Accident Reconstruction In Temporary Traffic Control Zones** at the Southeastern Collision Reconstruction Conference, Co-sponsored by SCARS, South Carolina Association of Reconstruction Specialists and IAARS, International Association of Accident Reconstruction Specialists Conference And Training Seminar, Charleston, SC, (July 24, 2014)
- 2014** Lecture of **The Investigation and Reconstruction of Crashes in Temporary Traffic Control Zones** at the (ATSSA) American Traffic Safety Services Association, 44th Annual Convention & Traffic Expo, San Antonio, TX, February 21-25, 2014
- 2010** Training presentation of **The Investigation and Reconstruction of Crashes in Temporary Traffic Control and Work Zone Safety** at the IAARS, International Association of Accident Reconstruction Specialists Conference And Training Seminar, Bloomington, MN, July 21, 2010
- 2006** Instruction of **Guidelines For Traffic Control and Work Zone Safety** for Mass State Police 79 RTT Recruit class. Certification program presented at MSP Academy, New Braintree, MA, Aug. 23,25 2006..
- 2005** Instruction of **Guidelines For Traffic Control and Work Zone Safety** for Mass State Police 78 RTT Recruit class. Certification program presented at MSP Academy, New Braintree, MA, Dec. 05, 06..
- 2005** Instruction of **Guidelines For Traffic Control and Work Zone Safety** for Mass State Police 77RTT Recruit class. Certification program presented at MSP Academy, New Braintree, MA March 14.
- 2002** Kentucky State Police Annual Advanced Traffic Accident Reconstruction Seminar, Frankfort, KY (1 Day), October 23, 2002 – **Perception/Reaction Information Processing Co-Presenter**

TEACHING EXPERIENCE / LECTURES:

- 2002** IAARS, International Association of Accident Reconstruction Specialists/ MATAI Midwest Association of Technical Accident Investigators Joint Training Conference, Minneapolis, MN (1 Day) June 20,2002 – **Perception/Reaction Information Processing Co-Presenter**
- 2002** Instruction of **Guidelines For Traffic Control and Work Zone Safety** for Mass State Police 76RTT Recruit class. Certification program presented at MSP Academy, New Braintree, MA April 15.
- 2000** Instruction of **Guidelines For Traffic Control and Work Zone Safety** for Mass State Police Recruit class. Certification program presented at MSP Academy, New Braintree, MA July 26.
- 2000** Lecture of Emergency Truck Braking, Safety Issues of Truck Interaction with other Vehicles, Castine Moving and Storage Inc., Athol, MA., April
- 2000** Adjunct Faculty Instruction for IPTM - At Scene Traffic/Homicide Investigation Training Course– Meriden, CT, March 2 weeks
- 1999** Adjunct Faculty Instruction for IPTM - At Scene Traffic/Homicide Investigation Training Course– Lake Worth,FL, March 2 weeks
- 1999** Instruction of **Guidelines For Traffic Control and Work Zone Safety** for Mass State Police Recruit class. Certification program presented at MSP Academy, New Braintree, MA April 28.
- 1998** Co-developed the **Guidelines For Traffic Control and Work Zone Safety** training program, video, and guidebook for Mass State Police officers. Presented training program at Mass State Police In-service training. Organized course materials and trained other instructors. April - December
- 1998** **Lecture of Driver Awareness and Traffic Control Devices** at IAARS, International Association of Accident Reconstruction Specialists Annual Training Seminar, Boston, MA July

TEACHING EXPERIENCE / LECTURES:

- 1997** Lecture of Human Factors Paper, (Motorist Processing of Traffic Control Devices In Road Construction Zones), Institute of Police Technology and Management, Univ. Of North Florida, Jacksonville, FL., April
- 1996** Instruction of Basic Accident Investigation for the Mass State Police 73rd Recruit Training Troop, New Braintree, MA., September-October
- 1995** Lecture of Emergency Truck Braking to Pete's Tire Barn Inc., Orange, MA. September
- 1995** Instruction of Accident Reconstruction Course at Mass State Police Academy, New Braintree, MA., (80 Hours) June
- 1995** Instruction of Advanced Accident Investigation at Mass State Police Academy, New Braintree, MA., (80 Hours) May
- 1995** Lecture of Nighttime Visibility Paper, Institute of Police Technology and Management, Univ. Of North Florida, Jacksonville, FL., April
- 1994** Lecture of Emergency Truck Braking, Castine Moving and Storage Inc., Athol, MA., Fall -1994, Spring -1995
- 1994** Instruction of Basic Accident Investigation for the Mass State Police 72nd Recruit Training Troop, New Braintree, MA., August
- 1994** Instruction of Accident Reconstruction Course at Mass State Police Academy, New Braintree, MA., (80 Hours) June
- 1994** Instruction of Advanced Accident Investigation at Mass State Police Academy, New Braintree, MA., (80 Hours) March - April
- 1993** Instruction of Basic Accident Investigation for the Mass State Police 71st Recruit Training Troop, New Braintree, MA., August – September

TEACHING EXPERIENCE / LECTURES:

- 1992 Instruction of Basic Accident Investigation for the Mass State Police 70th Recruit Training Troop, New Braintree, MA., July - September
- 1991 Prepared and presented information at Annual Rectification of Mass State Police Accident Reconstructionists, Mass state Police Academy, New Braintree, MA., (3 Days) May
- 1990 Prepared and presented information at Annual Rectification of Mass State Police Accident Reconstructionists, Mass state Police Academy, New Braintree, MA., (3 Days) April
- 1989 Instruction of Advanced Accident Investigation, Mass State Police Academy, (1 Week) December
- 1989 Instruction on Basic Accident Investigation, Mass State Police Academy, (1 Week) December

PUBLISHED WORKS:

- 1998 **Murphy, P.A., Barnes, H.J. Ph.D. Issues of Driver Awareness and Traffic Control Devices.** Published and Presented at IAARS **State Of The Art In Reconstruction Conference, Boston, MA, July 1998**
- 1998 **Murphy, P.A., Mass State Police, Mass Highway Department, Baystate Roads. Guidelines For Traffic Control And Work Zone Safety,** Published for In-Service Training of Mass State Police, **April 1998**
- 1997 **Murphy, P. A., Barnes, H. J. Ph.D., Human Factors Paper, Motorist Processing of Traffic Control Devices In Road Construction Zones.** Published and Presented at IPTM, Univ. Of North Florida, **Special Problems in Traffic Accident Reconstruction Seminar, April 1997**

PUBLISHED WORKS:

- 1996 **Murphy, P. A., Benanti, S. P., Measuring Nighttime Visibility Paper** which has been incorporated by Institute of Police Technology and Management, Univ. Of North Florida, into a **Human Factors and Visibility Concepts Hampering Perception/Reaction Times Course.**
- 1996 **Murphy, P. A., Bicycle Accident Photographs,** Published in **Bicycle Accident Reconstruction and Litigation, Fourth Edition** by James M. Green , P.E., Paul F. Hill, Esq., Douglas Hayduk, Lawyers & Judges Publishing Co., 1996
- 1995 **Murphy, P. A., Benanti, S. P., Measuring Nighttime Visibility Paper,** Review of paper / presentation published in Law and Order Magazine, Vol. 43, No. 10, October 1995
- 1995 **Murphy, P. A., Benanti, S. P., Measuring Nighttime Visibility Paper,** Published and Presented at IPTM, Univ. Of North Florida, **Special Problems in Traffic Accident Reconstruction Seminar, April 1995**

PROFESSIONAL AFFILIATIONS:

- 2016 Elected Vice-president of International Association of Accident Reconstruction Specialists (IAARS)
- 2015 Re-elected to the Board of Directors New England Chapter of The American Traffic Safety Services Association (ATSSA), continuing as chairman of the Temporary Traffic Control Technical Committee
- 2014 Appointed to the Board of Directors for the newly formed New England Chapter of The American Traffic Safety Services Association (ATSSA), appointed as chairman of the Temporary Traffic Control Technical Committee
- 2014 Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists

PROFESSIONAL AFFILIATIONS:

- 2013** Appointed to the Steering Committee and Temporary Board of Directors for the formation of the New England Chapter of The American Traffic Safety Services Association (ATSSA)
- 2012** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 2010** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 2008** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 2006** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 2004** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 2002** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 2000** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 1998** Re-elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 1997** Member, Professional Society of Forensic Mapping
- 1996** Elected to Board of Directors, International Association of Accident Reconstruction Specialists
- 1994** Member, American Traffic Safety Services Association, Inc. (ATSSA) January
- 1991** Member, Society of Accident Reconstructionists (SOAR) March
- 1989** Member, International Association of Accident Reconstruction Specialists. (IAARS) January
- 1989** Member, Society of Automotive Engineers. (SAE) July

PROFESSIONAL AFFILIATIONS:

1989 Member, National Association of Professional Accident Reconstruction Specialists (NAPARS)

ACCREDITATION / CERTIFICATES:

1994 **Certification as Worksite Traffic Supervisor,** Issued by The American Traffic Safety Services Association, ATSSA, June

1993 **Certification as Occupant Protection Usage and Enforcement Instructor** issued by National Highway Traffic Safety Administration, NHTSA, November / December

1993 **Certificate of Full Accreditation as a Traffic Accident Reconstructionist,** Issued by The Accreditation Commission For Traffic Accident Reconstruction (**ACTAR # 259**), July

1992 **Certificate of Qualification as a Traffic Accident Reconstructionist,** Issued by The Accreditation Commission for Traffic Accident Reconstruction, (ACTAR) December

RESEARCH:

2002 **Work Zone Safety & Perception Delays While Driving**

2001 **Work Zone Safety and Continuing Human Factors Research**

1998 **Work Zone Safety and Continuing Human Factors Research**

1997 **Continuing Human Factors Research**

1996 **Human Factors Research - Observation and Reaction of Traffic Traveling Through Construction Zones - Continuing Research and Evaluation**