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1. Certifying/Registering Agencies

- Certified as an Expert Witness in Bodies-Found-in-Water and Aquatic Death Investigation in CA, WA, CO, TX, and for the US Army. Certified to testify in NY as a MLDI
- American Canadian Underwater Certifications: Instructor Trainer Evaluator #502US
- National Association of Underwater Instructors: Instructor #10533 and Course Director
- Professional Association of Diving Instructors: Instructor #64142 - (1992)
- Master PADI Scuba Diver Trainer MSDT-64142, achieved March 19th, 2008
- Divers Alert Network Oxygen Provider Instructor #069 (1991-1993)
- American Red Cross Basic Life-support and First Aid Instructor (expired)
- New York State EMT-D #141330 (1988-2006)
- State of Connecticut Law Enforcement Trainer
- Arkansas Commission Certified Law Enforcement Instructor, as of April 25, 2008
- American River College, Sacramento Regional Public Safety Training Center Faculty 2007
- NYS Division of Criminal Justice services Law Enforcement Training Instructor 2012
- North East Multi-Regional Training Instructor (IL Law Enforcement Training Standards Board) 2014
- American Nitrox Diving Instructors – Instructor 2014 #8937

2. Education and Certification Programs

- 1979-1983 Bronx H.S. of Science
- 1982 Newfound Harbor Marine Institute, FL, 1 month
- 1988: University of Michigan, BA in Psychology, graduated with Highest Honors and Distinction
- 1988: American Red Cross CPR and First Aid Instructor
- 1988: Emergency Medical Technician Certification Course, New York State

- 1989: NAUI Instructor Training Course, certified as Instructor #10533, FDNY Rescue
- 1990: Nitrox Diver Course (Ed Betts), NY
- 1991: NAUI Instructor Trainer Course, certified as a NAUI I.T.
- 1993, Professional Association of Diving Instructor Training Course, Bonaire, Netherland Antilles, certified as Instructor #64142
- 1993: PADI Medic First Aid Instructor
- 1993: Diving and Hyperbaric Medicine National Certification Course, Dr. Eric Kindwall, NY 40 hours
- 1994, audited, Human Pathophysiology, SUNY New Paltz
- 1996: NAUI Course Director Course
- 1997: PADI Cavern Specialty Course, Akumel, Mexico
- 1998: COSAR Swiftwater Personal Watercraft Program, CA
- 1998: Underwater EOD recovery course, ATF and Edmond PD, Edmond, OK
- 1999: Underwater Investigation 1-day course by Corporeal Theater, FL
- 2000: Criminal Justice 101, Ulster County Community College, NY
- 2000: Statement Analysis: Five-day program, Ocean County Police Academy, NJ, 30 hrs
- 2001: Underwater Investigator 2-day course, Toronto, Canada 14 hrs
- 2001: Water-related death Investigator 1 day, Toronto, Canada 8 hrs
- 2002: World Drowning Congress, 3 days, Amsterdam, Netherlands 8 hrs
- 2003: OTS AGA full face mask Repair Technician
- **2004: Medicolegal Death Investigator Training Course, 5 days, St. Louis University 40 hrs**
- 2004: Reid Interviewing and Interrogation Training 3 day class
- 2004: Reid Interviewing and Interrogation Advanced 1 day class
- 2004 31st Annual New England Seminar in Forensic Sciences, 26 CME credit Category I, AMA, PRA, August 8-12
- 2004 County of Los Angeles Dept. of Coroner seminar “Recreational and Occupational Deaths” 14 hrs CMA category I credit. November 3-5
- 2005 Homicide: Behaviors, Motives, and Psychology, Specialized Training Services, 19.5 CE credits, April 4-6, San Diego CA.
- 2005: Incident Command Course ICS Orientation (1-100), NYS Emergency Management Office
- 2005: 11th Masters Conference, Death Investigation, St. Louis University, MO (5 days)
- 2005: 32nd New England Seminar in Forensic Sciences, Colby University, ME (5 days)
- 2005: Advanced Symposium for Coroners, CA State Coroner’s Association. (2 of the 4 days)
- 2005: Basic Death Investigation, Armed Forces Institute of Pathology. Nov. 15-18, MD
- 2005: Mandatory Reporter Child Abuse Recognition, Ulster County NY, Dec 13, 3 hrs
- 2006: NYS Incident Command System basic I-200, Dutchess Cty NY (12 hrs), Feb 22-23
- 2006: Sexual Assault Forensic Training, Dutchess County NY, Feb 28
- 2006: Finding & Processing Clandestine Graves, Necrosearch, Colorado (5 days), June
- 2006: NYS Coroner and Medical Examiner Conference (1 day), Sept.
- 2006: CSI: Los Angeles County Coroner’s Conference (1 day) Los Angeles, CA, Nov 1
- 2006: International Forensic Nurse conference, Southern CA chapter, Long Beach CA Nov 3
- 2007: Sacramento Coroner’s Office Death Investigation Conference, May 7-8,
- 2007: Ohio Coroners Annual Conference, Cleveland, May 10-12
- **2007: Arizona School of Health Sciences Medical Forensics APA644, completed June 2, 48 contact hours**

- **2007: St. Louis University ABMDI Masters Death Investigator conference, St. Louis, May 23-26, 32 hrs**
- 2008: American Academy of Forensic Sciences Annual Meeting February 18-23, Washington DC. Including: 8-hr Workshop #7, Sex Related Homicide Investigation, Vernon Gerberth, 8-hr Workshop #19; The Devil is in the Details, Homicide Investigations, Trial Preparation, and Testimony, Rod Englert et al.; 1-hr Breakfast The Zodiac Killer Ciphers; 1-hr Luncheon #2, Healthcare Serial Killers, Ramsland. In addition, attended 26 hours of presentations at the conference over 4 days.
- 2008 New York State Association of Coroners and Medical Examiners Conference, September 19-21
- 2008 National Center for Missing & Exploited Children Team Adam Training Conference October 13-15, (0800 hrs – 1700 hrs)
- 2008 Los Angeles County Coroner's Office: Dec 10-19. Went on calls with Pediatric MLI Denise Bertone and reviewed several years of Pediatric drowning case files.
- 2009: November 9-10, Communicating with Tact and Professionalism, Fred Pryor Seminar
- 2010 June 10-11, CO County Coroner's conference, CO Springs. Attended all presentations on these days
- 2011: National Center for Missing & Exploited Children Team Adam and Project Alert Training Conference, Alexandria VA, March 8-9
- 2011: Child Abuse and Family Violence Summit, Portland OR, 21 hours
- 2011: Colorado County Coroner Conference Sept 7-9, total of 12 hours
- 2012: New York City Office of the Chief Medical Examiner Basic Death Investigation Program 40 hours
- 2012: Child Abuse and Domestic Violence Summit, Portland OR, April 24-27, 21 hours
- 2012: Indiana Coroners Conference, including a 6-hr in-field workshop on forensic entomology with Dr. Neal Haskell. Merrillville IN, June 21-24, 18 hrs
- NIJ and RTI Recreational Asphyxia: Mechanical online course 07-03-2012, Dr. Thomas Andrews, certificate number: 1102982428 90 minutes
- 2012 Illinois County Coroners Homicide Conference, Collinsville IL, August 7-9, 6.5 hours on child abuse, 6.5 hours on profiling and the psychology of doing investigations.
- **2012: NIJ and NFSTC Forensic Sciences: An overview for Medicolegal Death Investigators On line Coursework, completed Sept. 27. (#2011-DN-BX-K568), 16 hours CEU**
- 2013 Diving Medicine Conference, Danbury Hospital April 6. 3.5 hrs
- **2013 St. Louis University Masters Conference 15 July 22-25, 40 hrs**
- 2013 Prevent Child Abuse Utah Conference October 12-15, 12 hours
- 2013 NAUI Course Director Update Workshop December 7-8, 17 hours
- 2013 New Jersey State Police Homicide Association Conference November 22, Atlantic City, 4 hours, Homicidal Drowning Investigation
- 2014 National Institute of Justice, New York City Office of the Chief Medical Examiner Basic Death Investigation Program, Jan 22, 5 hrs
- 2014: Northeast Wisconsin Technical College, Homicide Investigation Training seminar, Aquatic Erotic Asphyxia and Aquatic Sexual Sadism, 12 hrs, April 2-4, Green Bay WS
- **2014: PA State Police Homicide Association, Advanced Practical Homicide Investigation Training w/ Vernon Geberth, April 7 and 9, State College PA, 14 hrs, took 2 more days in 2016 for a total of 36 hrs**
- 2014: Kentucky Coroner Conference, Aquatic Death and Homicidal Drowning Investigations, 14 hours April 23-26
- 2014: Crimes Against Children Conference: 9 hrs, Dallas TX Aug 11-14

- 2014: Oklahoma State Bureau of Investigation Agents Conference, Lake Murray, 4 hours, October 23
- 2014 Prevent Child Abuse Utah Conference, 8 hours, Salt Lake City October 27-29
- 2014 Iowa Association of County Medical Examiners annual conference, 4 hrs, Nov 14-15
- 2015 American Academy of Forensic Sciences Annual Meeting, 13 hrs, Feb 16-20
- 2015: Child Abuse & Family Violence Summit. April 21-23 , 14 hrs
- 2015: Child Protection: Our Responsibility, October 8, 4 hours on Child Homicide Investigation, Cedar Rapids, Iowa, St. Luke's Child Protection Center
- 2016" American Academy of Science 68th Annual Scientific Meeting: Feb 22 workshop Practical Homicide Investigation®: An Evaluation of Homicides Involving Child Victims, Child Offenders, and Equivocal Death Investigations (4 hrs), Feb 23 Elder Abuse workshop (4 hrs), Feb 23-26 presentations and poster sessions (16 hours), Las Vegas
- 2016: Diving Sciences Symposium, Undersea Hyperbaric Medical Society, May 10, Secaucus NJ – 5 hours
- **2016: US State Dept of Justice and Fox Valley College, "Advanced Cold Case Long Term Missing Training Program" March 1-2, Rockland County, NY. 14 hrs**
- **2016: NIJ Forensic Technology Center of Excellence, NIJ grant program, "Discovery and Recovery: Death Investigation in Natural Environments." 3 day class, plus prerequisite watching of videos and reviewing PowerPoint presentations online for a total of 30 hrs**
- 2017: 31st Annual San Diego International Conference on Child and Family Maltreatment Feb 1-2: 5 hours: prosecuting child abuse cases, using images in forensic interviewing, preparing for child abuse trials
- 2017: 69th American Academy of Forensic Science Annual Scientific Meeting: Feb 13 Sex-Related Homicide and Death Investigations: Practical and Clinical Perspectives The Significance of Pornography, Sexual Deviance, Autoerotic Fatalities Signature and *Modus Operandi* (M.O.) in Serial Murder Investigation and Criminal Investigative Analysis Workshop (4 hrs). The Evolution of Frye and Daubert (4 hrs) Feb 14. various other talks and poster sessions 0830-2200 hrs Feb 14-17 (18 hrs), New Orleans
- 2017 NCJTC Maximizing Corroboration in the Forensic Interview online webinar 70 minutes April 28, 2017
- 2017: Conference on Crimes Against Women, May 22-23 (10.5 hrs). Dallas, TX
- 2017: Annual Indiana Coroners Conference, June 3. (2 hrs)
- 2017: Ocean Township Prosecutors Office Crimes Against Children Conference, June 8, Toms River, NJ Pediatric Abuse and Sexual Assault Victim Recantation (3 hrs).
- Indiana Coroner Conference, June 3, Aquatic Death Investigation (3 hrs)
- 2017: NJSP Homicide Association Annual Conference, June 14, Princeton, NJ. Aquatic Death and Homicide Investigations (1.5 hrs).
- 2017: NJSP Homicide Association Annual Conference, June 14, Princeton NJ Aquatic Death and Homicide Investigations. Pediatric Abuse and Injuries, Dr. Fowler, (2.5 hrs)
- 2017: Crimes Against Children Conference. August 7 - 9. Homicidal Drowning and Immersion Abuse (6 hours)
- 2017: Pennsylvania Coroner Conference, Nov 17, Williamsport PA, Aquatic Death Investigation (3 hrs).
- **2018: New Jersey State Police Crime Scene Investigator Unit, Forensic Identification: 6 week Crime Scene Investigator course. Several NJ locations April 13-May 24 (missed last 2.5 days) 220 hrs**
- 2018: Advanced Death Investigation. Host: Washoe County Regional Medical Examiner's Office, Reno, NV May 23, 3 hrs (decompositional changes and skeletal remains recovery.

- 2018: 25th Annual Advanced Homicide Investigation Conference, June 11-15, NJSP, Princeton Univ. 31 hours including 8 hours on **crime scene reconstruction** with Rod Englert.
- 2018: **Crime Scene Reconstruction I Program**, Bevel and Gardner, July 30-August 3. Oklahoma City, OK. I missed 6 hours of the 40 hour course due to illness on the last day but did the reading later at home and passed the written examination. 34 hours.
- 2018: Crimes Against Children Conference, Aug 14 & 15, Dallas TX 6 hrs of talks.
- 2018: Michigan Association of Medical Examiners annual conference, October 26-27, several presentations, 6 hrs.
- 2019: American Academy of Forensic Sciences, February 18-22. 4 hr workshop Investigating diving fatalities and ~20 hours of daytime and evening presentations and poster sessions. Baltimore.
- 2019: 10th Annual Champions of Children Conference, Cook County IL, March 4 hrs
- 2019: Crimes Against Women Conference, April 10-11, Dallas TX. Intimate partner violence investigation workshop – hands-on scenario training 3 hrs, other talks 6 hrs. total 9 hrs.
- 2019 Interforensic Conference May 23-25 9 hrs, presentations at the Sao Paolo State Forensic laboratory 1 hr May 22, presentations at the Brasilia State and Federal Forensic laboratory, Brasilia State medical examiner’s office, and the national attorney general’s office May 26-7: 2 hrs for a total of 12 hrs
- 2019 IL Coroner Conference, Aug 7, 3 hours. – Death Investigation,
- 2019 Crimes Against Children Conference, Aug 12-15, ~13 hours, Dallas, TX
- 2019 New York State County Coroners and Medical Examiners Conference, “The Good, the Bad, and the Elderly.” 14 hours White Plains, NY Sept 20-22
- 2020 35th Annual San Diego International Conference on Child and Family Maltreatment; January 29-30. 3 hrs on pediatric criminal asphyxia, 1.5 hrs on fear and control in IPV.
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3. Memberships/Committees

Underwater Society of America

Lifetime: Women Diving Hall of Fame – charter inductee

1995 – current: Undersea Hyperbaric Medical Society (associate member)

1999 – current: Undersea Hyperbaric Medical Society Great Lakes Chapter (associate member)

2005 Reid Interviewing and Interrogation

2006 – current: New York State Association Coroners & Medical Examiners

2008 – current International Association of Coroners & Medical Examiners

2009 – current American Academy of Forensic Sciences Member

2009 – current National Association of Medical Examiners Affiliate Member

2010-2011 International Association of Fire Service Instructors member #13559

2011 – 2012: National Water Safety Congress

2011 National Fire Protection Association 1006 standards committee

2012-2013: Illinois Homicide Investigators Association, member in good standing

2017-ongoing: Disciplines committee of the American Academy of Forensic Sciences

2018 Member status American Academy of Forensic Sciences

4. Research Experience

- 1981-82: African *cichlid* fish fry behavior, The American Museum of Natural History, NY

- 1982: Precopulatory behavior of *Aplysia*, field study Puerto Rico, AMNH
- 1985: Independent study: literature review and data analysis of *Aplysia* Research, Univ. of MI
- 1985: Precopulatory behavior of *Aplysia*, field and lab study Puerto Rico, AMNH
- 1986 Independent study – Cross-cultural comparative study of factors influencing human fertility rates, Univ. of Michigan
- 1987: 4 month field study and 4 month lab study of *Aplysia*, Puerto Rico and AMNH
- 1988: Independent study: adolescent attitudes on the value of having children, Univ. of MI
- 1997-9: Scuba diver skill performance in a deep tank at UNEXS, Bahamas (642 divers)
- 2004-ongoing: Scuba diver breathing rates and air consumption at rest and while kicking
- 2004- ongoing: Body –found-in-water investigation findings: location, position, posture, state (injuries, clothing, lung weights, stomach contents, sphenoid sinus fluid, decedent disposition, COD, MOD, and more)

5. Forensic Speaking Engagements

1. 1999: International Police Diving Symposium (first woman speaker), Hamilton, Ontario
2. 2001: Nov 7, Water-Related Death Investigator, Toronto, Canada
3. 2001: International Police Diving Symposium, Hamilton, Ontario – Homicidal drowning.
4. 2002: World Drowning Congress, Amsterdam - Homicidal Drowning; Children and Diving
5. 2002: World Drowning Congress, Amsterdam - Homicidal Drowning; Children and Diving
6. 2003: International Police Diving Symposium Hamilton, Ontario, Master of Ceremonies (first woman to be the MC)
7. 2004: Short Evening presentation: 2004 Annual New England Seminar in Forensic Sciences. ME – Bodies-found in the water
8. 2004: 75 min, Nov 3, County of Los Angeles Dept. of Coroner seminar “Recreational and Occupational Deaths” “Investigating open water drowning.”
9. 2005: 1 hr, New York City Medical Examiner’s Monthly Training session – Bodies found in the water
10. 2005: 1 hr, 11th Masters Conference, Death Investigation, St. Louis University, MO – Homicidal Drowning Investigations
11. 2005: 3 hrs, 32nd New England Seminar in Forensic Sciences, Colby University, ME – Bodies found in water investigations, Homicidal Drowning Investigations
12. 2005: Medicolegal Death Investigators Annual Dinner Presentation- water-related investigations
13. 2005: 4-hrs, Annual Advanced Training Symposium for Coroners, CA State Coroner’s Association. – Bodies-in-water investigations
14. 2006: 4- hrs, Annual Indiana State Coroner’s Conference - Bodies-in-water investigations
15. 2006: 3 hrs, Finding Clandestine Graves, Necrosearch, Colorado
16. 2006: 2-hrs, Annual Advanced Training Symposium for Coroners, CA State Coroner’s Association. – Bodies-in-water investigations – Aquatic Eroticism & Aquatic Sexual Sadism
17. 2006: CSI Los Angeles County Coroners Conference Nov 1, - 15 minutes on diving fatality investigations
18. 2006: Int’l Forensic Nurse Conference Nov 4, 8 hrs, Long Beach CA
19. 2007: New York State Association of County Coroners & Medical Examiners – 3 hours on aquatic eroticism, homicidal drowning, body-found-in-water investigations (March), Verona NY
20. 2007: Alabama Coroner Conference – 5 hours on aquatic eroticism, homicidal drowning, body-found-in-water investigations (April)

21. 2007: Fire Department Instructor Conference – 1 hr 45 min Foul Play Drowning for first responders (April), Indianapolis, IN
22. 2007: Sacramento Coroner's Office Death Investigation Conference, May 7-8, - 6 hours on body found in water investigations
23. 2007: Ohio Coroners Annual Conference, Cleveland- 3 hours on body found in water investigations
24. 2007: International Coroner's Association Annual Conference, Boise Idaho May 10, 5 hours on body found in water investigations
25. 2007: St. Louis University ABMDI Masters Death Investigator conference, St. Louis, May 26 – 1 hr 15 min Aquatic Eroticism and Aquatic Sexual Sadism
26. 2008: American Academy of Forensic Sciences Annual Meeting February 23, Washington DC, 20 minute presentation: Aquatic Erotic Asphyxia, Accident or Homicide?
27. 2008: Sacramento County Coroners Office Death Investigation conference, March 25, 0900 hrs 1700 hrs. Held at Fulsom PD.
28. 2008 National Center for Missing & Exploited Children Team Adam Training Conference October 14, 2 hrs, Pediatric drowning investigations and dive team operations.
29. 2009: International County Coroners and Medical Examiners Annual conference, August 3, 4 hrs: Homicidal Drowning and Body-found-in-water investigations
30. 2009: National Center for Missing & Exploited Children Team Adam Training Conference October 13, 2 hrs, Pediatric drowning investigations and dive team operations
31. 2010 Colorado County Sheriff's Annual Conference, January 6, 2 hrs, Body found in water investigations.
32. 2010 June 11, CO County Coroner's conference, CO Springs. 2 hrs, Body found in water investigations.
33. 2011: National Center for Missing & Exploited Children Team Adam and Project Alert Training Conference March 9, 1 hr 45 min, Pediatric drowning investigations and dive team operations
34. 2011: Child Abuse and Family Violence Summit, Portland OR, 21 hours
35. 2011: Colorado County Coroner Conference Sept 9, 2 hours on bathtub and swiftwater drowning investigations
36. 2011: New York City Office of the Chief Medical Examiner Grand Rounds Dec 1. Bathtub drowning investigations 1 hr
37. 2012: National Institute of Justice, New York City Office of the Chief Medical Examiner Basic Death Investigation Program, Jan 27, 90 minutes
38. 2012: Major Case Assistance Team monthly training, Cook County, IL Feb 16, Aquatic Death Investigations, 5 hours
39. 2012: Child Abuse and Domestic Violence Summit, Portland OR, April 26-27, Pediatric Aquatic Homicide 3 hours, Women Drowned by their Male Partners 2 hours.
40. 2012: Ulster County Law Enforcement Training Center, May 1, Aquatic Death Investigation, 4 hours. This was repeated on May 8 as the attendance for May 1 went beyond the 60 person seating capacity.
41. 2012: Indiana Coroners Conference, Merriville IN, June 24, 3 hrs 45 minutes.
42. 2012 Illinois County Coroners Homicide Conference, Collinsville IL, August 9-10, 14 hours of Aquatic Death Investigation Training, including 2 hours on an openwater site.
43. 2012: Illinois Homicide Investigators Association Annual Third Annual Conference October 10, 0830-1130, 1300-1600. Homicidal Drowning Investigation.
44. 2013: The New York State Accident Reconstructionist Conference, March 14
45. 2013 The Scuba Show, Long Beach CA June 7: Underwater Forensics, 4 hours
46. 2013 Wisconsin Coroners and Medical Examiners Conference 0815-1600n hrs Aquatic Death Investigation for death investigators
47. 2013 St. Louis University Masters Conference 15 July 22, 3 hrs, Bathtub death investigation

48. 2013 International Assoc. of Cold Case Investigators, August 15, Tulsa Police Training Center, OK. 8 hrs Aquatic Death Investigation for LE
49. 2013 New York Sheriff's Association Annual conference, September 11, 1 hr on Aquatic Death Inv.
50. 2013 Castle Rock Coroner Pubic Education Seminar October 22, Castle Rock CO 1 hour talk on Aquatic Deaths
51. 2013 Prevent Child Abuse Utah Conference November 12-15, four 90 min talks on pediatric aquatic death investigation and pediatric bathtub deaths.
52. 2013 New Jersey State Police Homicide Association Conference November 22, Atlantic City, 4 hours, Homicidal Drowning Investigation
53. 2014 National Institute of Justice, New York City Office of the Chief Medical Examiner Basic Death Investigation Program, Jan 22, 90 minutes
54. 2014 Dutchess County Sheriff's office and the Hudson River Law Enforcement Task Force, Aquatic Death Investigation, 90 min, January 29. Dutchess County NY
55. 2014, The Center for Forensic Science Research & Education, 2 hrs, Aquatic Death Investigation, Willow Grove PA, Feb 14
56. 2014: Aquatic Death Investigation – bathtubs, MA State Police, 1 hour, March 7
57. 2014: Boston Sea Rover, Danvers MA, March 8, Underwater Forensics workshop 4 hours.
58. 2014: Northeast Wisconsin Technical College, Homicide Investigation Training seminar, Aquatic Erotic Asphyxia and Aquatic Sexual Sadism, 4 hrs, April 3, Green Bay WS
59. 2014: PA State Police Homicide Association, Advanced Practical Homicide Investigation Training w/ Vernon Geberth, 8 hrs, April 8, State College PA
60. 2014: Kentucky Coroner Conference, Aquatic Death and Homicidal Drowning Investigations, 4 hours April 24
61. 2014: St. Clair Advocacy Center, Pediatric Aquatic Child Abuse and Homicidal Drowning, 8 hrs, Fairview Heights, IL May 1
62. 2014: Crimes Against Children Conference: 12 hrs, 4 two part talks on Abuse in the Bath and Aquatic Death Inv. hrs, Dallas TX Aug 11-14
63. 2014: Oklahoma State Bureau of Investigation Agents Conference, Lake Murray, 4 hours, Aquatic Death Investigation, October 23
64. 2014 Prevent Child Abuse Utah Conference, 3 hrs, Hypothermia and Child Abuse, Pediatric Aquatic Death and Abuse Investigation, Salt Lake City, October 28.
65. 2014 Iowa Association of County Medical Examiners annual conference, Aquatic Death Investigation, Nov 15
66. 2015 American Academy of Forensic Sciences 67th Annual Scientific Meeting, 2 hr presentation on bathtub death investigation during an 8 hr workshop on the Drew Peterson Case, Feb 16, Orlando, FL
67. 2015 American Academy of Forensic Sciences 67th Annual Scientific Meeting, Poster Murder or Accidental Drowning in a Bathtub? Case Studies of Drowning and Non-Aquatic Homicides Staged as Bathtub Drowning Accidents and Suicides, February 19, , Orlando, FL
68. 2015 American Academy of Forensic Sciences 67th Annual Scientific Meeting, coauthor on 15 minute paper presentation – Body Movement in Current Feb 19, Orlando, FL
69. 2015 American Academy of Forensic Sciences 67th Annual Scientific Meeting, 15 minute General Section talk “Bathtub Death Investigation – the need for a scientific investigation standard February 20, Orlando, FL
70. 2015: Child Abuse & Family Violence Summit. April 21-22: Domestic Homicides staged as drowning accidents 2 hrs; Water Related Abuse & Pedophilia 1.5 hrs; Hypothermia & Cold Stress Abuse 1.5 hrs.
71. 2015: NYC Forensic Odonatologist Association, NYC, 2 hrs, Aquatic abuse and homicide investigations

72. 2015: SARCon, Sept 27, 8 hours –3 hrs lecture, 3 hrs hands-on on a pond site, Clackamas County, Oregon. Clackamas County Sheriff's Office.
73. 2015: National Association of Medical Examiners, October 3-5, Accident or Homicide? – Aquatic Death Investigation, Poster Presentation presented by intern Kelly Moon for Zaferes.
74. 2015: Child Protection: Our Responsibility, October 8, 4 hours, Aquatic Child Abuse and Homicide Investigation, Cedar Rapids, Iowa, St. Luke's Child Protection Center
75. 2016: American Academy of Forensic Science 68th Annual Scientific Meeting, Pediatric Aquatic Death and Homicidal Drowning 90 minute talk in Practical Homicide Investigation®: An Evaluation of Homicides Involving Child Victims, Child Offenders, and Equivocal Death Investigations February 22. Las Vegas, NV
76. 2016: Conference on Crimes Against Women, Aquatic Crimes Against Women 3 hours, Dallas, TX, April 4
77. 2016: NE Technical University Homicide Conference, Hypothermia Abuse and Homicide, 2 hours, Green Bay WI
78. 2016: Pennsylvania State Police Advanced Homicide Program, Aquatic Death and Homicidal Drowning Investigation, 8 hours, State College, PA, April 12
79. 2016: Diving Sciences Symposium, Undersea Hyperbaric Medical Society, May 10, Secaucus NJ – 5 hours. Diving Fatality Investigations, 90 minutes
80. 2016: Public Safety Diving Workshop, Beneath the Sea, May 10. Diving Fatality Investigations, 90 minutes, Secaucus NJ
81. 2016: Diving Fatality Investigations Workshop, 8 hrs, May 12, Beneath the Sea, Secaucus NJ
82. 2016: Pennsylvania Homicide Investigators Association Advanced Homicide Training program, April 12, Aquatic Death and Homicidal Drowning Investigation, 8 hours, State College, PA
83. 2016: Child Protection Center Conference, May 5, Pediatric Aquatic Abuse, Torture, and Homicide Investigation, 7 hours, Underwater Forensics 3 hours, Cedar Rapids, Iowa.
84. 2016: Child Advocacy Center, Crimes Against Children, June 28, Dallas, TX, 8 hour workshop Pediatric ADHDI
85. 2016: Aquatic Death & Homicidal Drowning Investigation, Oct 10, Fort Wainwright Army Base, Fairbanks AK, 8 hours
86. 2016: Protecting Families Conference, Pediatric Aquatic Abuse, Torture, and Homicide Investigation, Oct 12, Sioux City, Iowa, 3 hrs
87. 2016: Strangulation, Sexual Assault & Homicide Conference, Aquatic crimes against women, Oct 20, 4 hrs Maui Police Dept, Maui Hawaii
88. 2016: FindTheLost Conference, Aquatic Death Investigation for canine teams and law enforcement, Nov 2, 8 hrs, Denver CO
89. 2016: Child Death Investigation Task Force Hoyleton Ministries Conference, Pediatric Aquatic Abuse, Torture, and Homicide Investigation, Nov 7, 7 hrs, Fairview Heights, IL
90. 2016: Paluxy River child advocacy Center, Pediatric Aquatic Abuse, Torture, and Homicide Investigation, Nov 10, 6 hrs, Granbury TX
91. 2016: Advanced Practical Homicide Training, Aquatic Death & Homicidal Drowning for law enforcement, Nov 15, 8 hrs, Columbus, GA
92. 2017: 31st Annual San Diego International Conference on Child and Family Maltreatment Feb 1, 3 hrs on Pediatric Aquatic Homicide and Abuse Investigations
93. 2017: 69th American Academy of Forensic Science Annual Scientific Meeting: Feb 13 Sex-Related Homicide and Death Investigations: Practical and Clinical Perspectives The Significance of Pornography, Sexual Deviance, Autoerotic Fatalities Signature and *Modus Operandi* (M.O.) in Serial Murder Investigation and Criminal Investigative Analysis Workshop: Aquatic erotic asphyxia and aquatic sexual sadism 1 hr 45 min, Feb 15, New Orleans.

94. 2017: 69th American Academy of Forensic Science Annual Scientific Meeting: Poster Session: Learning to Spot Aquatic Crimes Against Children (ACAC): An Examination of Situational Context Identifying Six Categories. *Christina M. Elliott, BA**; *Mary E.S. Case, MD*; *Idaly P. Hidalgo, MD*; *Andrea Zaferes, BA*, February 17, New Orleans
95. 2017: Conference on Crimes Against Women, May 22-23 (10.5 hrs). Dallas, TX. Lisa Cutler Homicide Case study with ADA Nichole Kronke (90 min), Aquatic Crimes Against Women (3.5 hrs).
96. 2017: Annual Indiana Coroners Conference, June 3. Open water Aquatic death investigations, 3.5 hrs.
97. 2017: Ocean Township Prosecutors Office Crimes Against Children Conference, June 8, Toms River, NJ, Pediatric abuse and homicidal drowning, (4 hrs).
98. 2017: Indiana Coroner Conference, June 3, Aquatic Death Investigation (3 hrs)
99. 2017: NJSP Homicide Association Annual Conference, June 14, Princeton, NJ. Aquatic Death and Homicide Investigations (3.5 hrs).
100. 2017: Crimes Against Children Conference. August 8 & 9. Homicidal Drowning and Immersion Abuse (6 hours)
101. 2017: Louisiana Coroner Conference, New Orleans, Sept 16, Aquatic Death Investigation (2 hrs).
102. 2017. University of Southern Florida, Aquatic Death and Staged Crime Scenes with Thomas McAndrew, (20 hrs)
103. 2017: Maulana Azad Medical College, New Delhi, India. Nov 2. Talk on aquatic death investigations. (2 hrs).
104. 2017: Pennsylvania Coroner Conference, Nov 17, Williamsport PA, Aquatic Death Investigation (3 hrs).
105. 2018 New Brunswick forensic Symposium, Canada. 2:40-3:15 EDT talk for forensic pathologists and law enforcement. April 7. 35 min
- 106.** 2018: New Jersey State Police Crime Scene Investigator Unit, Forensic Identification 6 week CSI course, Aquatic Crime Scene Processing, Hamilton, NJ, 2 hrs, May 10.
- 107.** 2018: Advanced Death Investigation. Host: Washoe County Regional Medical Examiner's Office, Reno, NV May 23-24, Aquatic and Related Deaths Workshop 4 hrs, the Dinner lecture keynote speaker – Aquatic Erotica and Sexual Sadism, 1 hour.
- 108.** 2018: 25th Annual Advanced Homicide Investigation Conference, June 12, NJSP, Princeton Univ., 3.5 hrs, Aquatic Homicide Investigations.
- 109.** 2018: **Crime Scene Reconstruction Program**, Bevel and Gardner, August 2. Oklahoma City, OK, Aquatic Crime Scene Reconstruction, 1 hour.
- 110.** 2018: Crimes Against Children Conference, Pediatric Aquatic Homicide and Abuse 3 hrs done twice, Aug 14 & 15, Dallas TX
- 111.** 2018: Michigan Association of Medical Examiners annual conference, Featured Speaker. Mount Pleasant, MY October 26, Aquatic Death and Homicide Investigation, 2.5 hrs.
112. 2019: 10th Annual Champions of Children Conference, Cook County IL, three different 90 minute presentations on pediatric abuse, pedophilia, torture, and homicide. March 11.
113. 2019: Crimes Against Women Conference, Aquatic Crimes Against Women 3 hrs, April 10, Dallas TX.
114. 2019 Interforensic Conference May 24 9 hrs, 30 min presentation on openwater aquatic death and abuse investigations. I was then asked to give a 30 presentation to CSI's from several State police agencies May 25 and a 1 hr presentation at the Brasilia State Forensic laboratory to ~30 CSI's and Medical Examiners followed by a 1 hour review of 2 of their cases.
115. 2019 talk for SANE's and Detectives, Tulsa PD July 8, 2 hrs, Tulsa, OK
116. 2019 IL Coroner Conference, Aug 8, 7 hours.

117. 2019 Crimes Against Children Conference, Aug 13-14, 4 presentations 75 min each, Dallas, TX
118. 2019 New York State County Coroners and Medical Examiners Conference, 45 minutes – drowning and the elderly. White Plains, NY Sept 20-22
119. 2020 35th Annual San Diego International Conference on Child and Family Maltreatment; January 29-30. 3 hrs Pediatric Aquatic Abuse, Death, and Homicide Investigations. 1.5 hrs Aquatic Family Maltreatment.

6. Supervisor for forensic student interns:

Kelly Moon: 2014 and ongoing. Forensic use of Diatoms literature review. Bathtub case study (poster session at AAFS 2015).

Jacqueline Bleakley: 2014-15. Forensic Science Masters Thesis on body movement in current using human models in a flume. Presented at AAFS 2015.

Christina Elliot: 2016. Aquatic crimes against children committed by caregiver offenders.

Adelee Choban: 2016 and ongoing: Body found in Bathtub study, for Master's degree in Forensics.

7. Rescue/Recovery and Diving Speaking Engagements, (not all inclusive):

- Third conference of the International Society of Comparative Psychologists, 1986, Costa Rica
- Annual ISCP research seminar at the Colegio Universidad de Humacao, Puerto Rico 1987
- Eastern Psychological Association Annual Scientific Meeting, 1989
- Specialized Rescue Operations Annual Convention, Univ. of Medicine and Dentistry, NJ 1990, 1991
- Spec-Ops Exposition and Trade Show, NC, 1991
- International Conference on Underwater Education, NAUI, FL, CA, and other locations starting 1992
- Council for National Cooperation in Aquatics, North Carolina, 1995
- Somerset County Fire Academy Med Rescue 1994, NJ
- Emory University Conference on Underwater Education, GA, 1994
- Instructor in the Underwater Explosive Recovery Specialist Course, Edmond PD, OK
- International Association of Dive Rescue Specialists, NY
- Beneath the Sea, N, NJ
- Boston Sea Rover Dive Show. MA
- Our World-Underwater, Chicago, IL
- Underwater Canada, Toronto
- NAUI North Atlantic Annual Conference, RI
- NAUI Underwater Education Conference, PA, FL
- Camden University of Medicine and Dentistry Rescue Operations Conferences, NJ
- Eastern Psychological Association, Boston
- International Comparative Psychological Association, Costa Rica and Puerto Rico
- Diving Equipment Manufacturer Association Annual Convention, FL, NV, TX, LA
- Diving Equipment Marketing Association Annual Convention NV, FL
- Pittsburgh Fire Chief Convention
- New Jersey Winter Emergencies Conference
- Undersea Hyperbaric Medical Society Great Lakes Chapter Conference, Canada
- Spec Op Military Expo, Little Creek, VA

- Fire Department Instructor Conference (FDIC), Fire Engineering Magazine, Indianapolis
- Hyperbaric Medicine Workshop, Advanced Wound Therapy and Hyperbaric Center, NY
- Undersea Hyperbaric Medical Society, Great Lakes Chapter, Toronto
- New York State Fire Chiefs Expo, Syracuse, NY
- NAUI Asia International Conference on Diving Education, Kuala Lumpur
- 2003: Westchester Medical Center Dive Safety Conference – Dive Accidents
- 2004: University of Missouri Fire Science Annual Conference, Columbia MO – Surface Ice Rescue
- 2004: North Memorial Medical Center EMS Education Conference, Minneapolis, MN, - Immersion Hypothermia & Drowning
- 2005: FDIC (Fire Dept. Instructor Conference) Indianapolis – water rescue
- 2005 FDIC, Atlantic City NJ – surface ice rescue
- 2006 March 22-23 USCG Survivability of Distressed Mariners – I was not a speaker, I was invited to participate in this ‘think tank’ to help the USCG set policy
- 2007: Jan 27, St. Barnabas Burn Center Fire Fighter Safety Conference – ice rescue and diving operations. – NJ
- 2007: National Association of Search and Rescue Annual Conference, Charlotte NC, May 31-June 2 – Drowning and Hypothermia Patient Management, Blackwater Search Operations.
- 2008: Beneath the Sea Exposition, Public Safety diving 8 hours, March 29, Secaucus NJ.
- 2008: FDIC, April 10, Public Safety Diving – tricks of the trade, 1 hr 45 minutes.
- 2008: Women’s Diving Hall of Fame Conference, Oct 11, NYC. Talk: Public Safety Diving. 45 minutes.
- 2009: April 7. Boston Sea Rover 55th Annual International Underwater Clinic, “The Art of Divemastering” 45 min. April 6: 9-hour Public Safety Diving Workshop.
- 2009: October 18. SARcon, Clackamas County OR, “Public Safety Diving; Moving Water Diving; First Responders to Water Operations” 1 hr 45 min each of 3 presentations.
- 2009: November 3, Public Safety Diving, 8 hrs, DEMA, Orlando, FL
- 2010: Scubafest
- 2010: April 19 & 20: 4 hour Ice and water rescue workshop, 1 hr 45 min Swiftwater Rescue Talk. FDIC Indianapolis, IN
- 2010: 28th Annual National Association of Search and Rescue, May 14: 1 hr 45 min talk w/ Susan Snapp on building a dive team, May 15: 5 hours talk and hands-on regarding running water rescue drills and dive team operations, Tunica MS
- 2010: SARCon Oct 15-16 1 day pool workshop PSD diving, 90 minute lecture “Drill It In”. Oregon.
- 2011 March 25, Small Boat and PWC Operations, FDIC Indianapolis
- 2012 March 9-11, 8 hour PSD workshop, 60 minute Blackwater Diving talk, 60 minute The Art of Breathing talk, Boston Sea Rover Show, Danvers MA
- 2012 March 23, 60 minute Blackwater Diving talk, Beneath The Sea Show, Secaucus NJ
- 2013: March 1*12, 4 hours – How to teach a more effective Rescue Diver course, 4-hours the Art of Divemastering. 45 minutes – UW movement – all three done with Walt Hendrick
- 2013: March 22: 1:45 min – zero visibility diving (Zaferes and Hendrick) during the PSD day. March 23: 3.5 hours – How to Teach a better Rescue Diver Course paid workshop (Zaferes and Hendrick)
- 2013 Diving Medicine Conference, Danbury Hospital April 6. , “Blackwater diving and what recreational divers can learn from it to become safer. 40 min
- 2013 Fire Department Instructor Conference, Indianapolis IN, April 26, “So you have the body, what next?” 1 hr 45 min.
- 2013 The Scuba Show, Long Beach CA June 7: Underwater Forensics 4 hours

- 2014 Boston Sea Rover, Danvers MA, March 9: Drills and Games to Strengthen Dive Skills, 45 minutes.
- 2014: NYS Fire Academy, Technical Rescue Conference, Public Safety Diving, 90 min, Montour Falls, NY
- 2015: Beneath the Sea Dive Show, Tenders and PSD 27th, What the Training “Agencies Never Taught me 4 hours, 29th, Meadowlands NJ
- 2015: Fire Department Instructor Conference, Indianapolis IN, April 20, Aquatic Near Misses and Fatalities Workshop, 4 hours
- 2015: SARCon, Sept 26, 6 hours on underwater vehicle extrication, OSHA and other topics, Clackamus County, Oregon. Clackamus County Sheriff’s Office.
- 2015: Undersea Hyperbaric Medical Society NE chapter annual meeting: Dive accident investigation, Stamford, CT. Oct 23.
- 2015: Diving Equipment & Marketing Assoc. Show, Dive Training Standards, November 6, Orlando, FL.
- 2016: Boston Sea Rover Clinic, Ultimate Underwater Movement talk, Underwater Vehicle Operations workshop, Moving Water workshop, Ultimate Underwater Workshop, Danvers CT, March 5-6
- 2016: Beneath the Sea Show, Public Safety Diver Standards for the Public Safety Day, Knot Tying workshop 3 hrs, Ultimate Underwater Movement 4 hr Workshop (4 hours), Meadowlands, NJ, April 1, 2.
- 2016: Birmingham Dive Show NEC, Investigating Diving Fatalities (done twice, 50 min each), Self-Rescue (45 minutes), Oct 22-23, Birmingham, UK
- 2017: Boston Sea Rover Dive Show, Investigating Diving fatalities Workshop (2 hrs), Dive Planning- Air Management (50 min), Danvers CT, March 11-12
- 2017: Beneath The Sea Dive Show, Drowning and Immersion Hypothermia for PSD talks(50 min), Teaching Safer, More Effective and More Profitable Dive Classes workshop (3 hrs), How to prepare for Self-Rescue (talk 50 min) March 24-26.
- 2017: Birmingham Dive Show, UK, Oct 21-22. Two talks on diver safety and underwater movement (90 min)
- 2018: NAUI IQ at the Scuba Show, Long Beach CA, June 24, Gear up for Contingencies, 1 hour
- 2019: Beneath the Sea, Meadowlands NJ, PSD day Aquatic Physics for PSD 1 hr, Self-preservation and self-rescue workshop 3 hrs, Dress for Success (dive gear safety) workshop 3 hrs. March 29-31.
- 2019: DEMA-NAUI, Orlando. November 7. 45 minutes on leadership Level Rescue.

8. Publications – journal articles, audiovisuals, and books: this is a partial list – **the complete list has more than 100 publications.**

- Interindividual activity and reproduction in *Aplysia dactylomela*. A Zaferes, A. Skolnick, E. Tobach. *Journal of Marine Behavior and Physiology*, 1988
- Predation of *Aplysia* E. Tobach, A Zaferes, L. Megenez. *Marine Ecology Journal*, 1990
- Individual identification of *A.brasiliana*. A. Zaferes. *Journal of Comparative Psychology* 1991
- Several articles published annually
- Co-authored several books with Hendrick:
- *Field Neurological Guide and Workbook*
- *Oxygen & the Scuba Diver*

- *Scuba Instructor Readiness Series 10 hour video and 700 page workbook*
- *Public Safety Diving Operations*, by Walt Butch Hendrick, Andrea Zaferes, and Craig Nelson) Fire Engineering Pennwell Publishing, 2000, 351 pgs
- *Homicide by Drowning*, by Hendrick, Zaferes, Nelson, 2000, 275 pages
- *Surface Ice Rescue* by Walt “Butch” Hendrick and Andrea Zaferes, (1999) Fire Engineering PennWell Publishing, Tulsa, 214 pages
- *Ice Diving Operations* by Hendrick & Zaferes (2003) PennWell Publishing, 540 pages
- *Public Safety Diver Standard Operating Procedures and Guidelines*, (1994, 1998) by Hendrick, Zaferes, & MacKay (45 pages)
- Contributing Editor for *Sources Magazine* and the *Dive Journal*
- Managing Editor for *SORTIE*, rescue & recovery water operations
- Co-wrote and produced several audiovisuals with Hendrick including *Surface Ice Rescue*, *Field Neurological Evaluation*, *Blackwater Contingency*, and *Training of a Rescue Diver*.
- Reviewed the National Fire Protection Agency water operations *Document 1670*, with several accepted review suggestions.
- Reviewer for *Underwater Forensics*, Brady-Hall Publisher, and Forward Author
- Editor and publisher of *RIPTIDE* e-zine
- Zaferes, A., and Hendrick, W. *Frontline First Responder Disaster Management & Domestic Preparedness*. “A three part series on Mass Casualty Water Disasters”. 2004-2005
- Germain C, Zaferes A. (2005) Ice Rescue, in *Handbook on Drowning*, Editors Branche et al., Springer publishers, Amsterdam, p. 249-254
- Zaferes, A., and Hendrick, W. (2005) Homicidal Drowning, in *Handbook on Drowning*, Editors Branche et al., Springer publishers, Amsterdam, p. 633-635
- 2006: Wrote the Foreword for *Underwater Forensic Investigation*, Ronald Becker, Prentice Hall Publications, Saddle River NJ
- 2006: reviewed a chapter on ice rescue written by Dr. Gordon Giesbrecht.
- Zaferes, A, And Hendrick, W. “Homicidal Drowning- what first responders can do.” *FireRescue 1*, Sept 12, 2007, <http://www.firerescue1.com/fire-ems/articles/310457/>
- Zaferes, A., and Hendrick, W. “How Prepared Is Your Safety Diving Team for a Bridge Collapse?” *Fire Engineering*, December, 2007, Vol. 160, No. 12, pp 75-84.
- Zaferes, Reiber, Chute. "Death Due to Aquatic Erotic Asphyxia — Accident or Homicide?" Presentation at the American Academy of Forensic Sciences, February 24, 2008, abstract
- Lunetta, P, Zaferes, A, Modell J, Establishing the Cause and Manner of Death for Bodies Found in Water. In *Drowning*. J. Bierens (ed.), Springer-Verlag Berlin Heidelberg 2014, pages 1179-1189
- Zaferes, A. Murder or Accidental Drowning in a Bathtub? Case Studies of Drowning and Non-Aquatic Homicides Staged as Bathtub Drowning Accidents and Suicides, Abstract, *Proceedings of the American Academy of Forensic Sciences 67th Annual Scientific Meeting, 2015*
- Zaferes, A., Chute, DJ.MD, Hatza, A, Moon, K. Bathtub Death Investigation – the need for a scientific investigation standard. Abstract. *Proceedings of the American Academy of Forensic Sciences 67th Annual Scientific Meeting, 2015*
- Determining the Impact of Density and Orientation on the Velocity of Submerged Human Remains. Jacqueline E. Bleakley, Kimberlee S. Moran, Andrea Zaferes, and Heather McKiernan. May 2015. Abstract published and presentation given at 2015 AAFS, and was Bleakley’s Master’s Thesis.
- Learning to Spot Aquatic Crimes Against Children (ACAC): An Examination of

Situational Context Identifying Six Categories. *Christina M. Elliott, BA**; *Mary E.S. Case, MD*; *Idaly P. Hidalgo, MD*; *Andrea Zaferes, BA*, Abstract published and poster presentation given at the 2016

Article Publications – diving and rescue

- Zaferes, A., Hendrick, W. (1997) POLICE SURVIVAL, *Sortie*; 1(2):40-42
- Zaferes, A., Hendrick, W. (1997) TRAINING THE PUBLIC SAFETY DIVER:TEAM SET UP, *Sortie*; (3):16-38
- Zaferes, A., Hendrick, W. (1997) THERE'S ONLY ONE JOB YOU HAVE TO DO EVERY TIME-GO HOME! *Sortie*; Pages 31-35
- Zaferes, A., Hendrick, W. (1997) THE FUTURE:MULTI-SPECIALIST WATER RESCUE TEAMS, *Sortie*; Pages 28-29
- Zaferes, A., Hendrick, W. (1997) FIRST ON WEIGHT BELTS LAST OFF OR DEAD OR ALIVE-Part 1, *Sources*; *Fourth Quarter*:30-35
- Zaferes, A., Hendrick, W. (1997) LOOSEN THAT BCD CHEST STRAP
- Zaferes, A., Hendrick, W. (1997) KISS THE WATER HELLO BEFORE YOU DIVE & KEEP THAT MASK ON, *Contact*; *Fall/Win*:4-5
- Zaferes, A., Hendrick, W. (1997) SO YOU WANT TO START A DIVE TEAM OR IMPROVE THE ONE YOU HAVE-Pt 2 Minimum Personnel to Conduct a Dive Operation *Dive Journal*; *Jul/Aug*:5-10
- Zaferes, A., Hendrick, W. (1997) SO YOU WANT TO START A DIVE TEAM Pt 3- Minimum Equipment for Low/No Visibility Dive Team Ops-Surface Support Gear, *Dive Journal Sep/Oct*:5-6
- Zaferes, A., Hendrick, W. (1997) WHAT ARE WE LOOKING FOR? *Sources*; *Second Quarter*:36-37
- Zaferes, A., Hendrick, W. (1996) THE FIELD NEUROLOGICAL EXAM Pt 2 TAKING THE FIRST STEPS IN THE PROCESS *Sources*; *Fall*:39-41
- Zaferes, A., Hendrick, W. (1996) WHAT IS A FIELD NEUROLOGICAL EVALUATION? *Sources*; *Summ*:42-44
- Zaferes, A., Hendrick, W. WEIGHT BELTS FIRST ON LAST OFF DEAD OR ALIVE-Pt 1& 2 INTEGRATED WEIGHT SYSTEMS *Page 3-12*
- Zaferes, A., Hendrick, W. (1992) SECURE YOUR HOSES!, *California Diving News*; *Aug 9*(8)

- Zaferes, A., Hendrick, W. HOW TO MAKE SURE YOUR DIVE TRIP DOESN'T BECOME A DEHYDRATION JOURNEY, *Dive Medicine* Page 31
- Zaferes, A., Hendrick, W. MEMBER'S FORUM
- Zaferes, A., Hendrick, W.(1991) ADDITIONAL SAFETY TIPS FOR DIVERS *Fire Engineering; Oct:74-75*
- Zaferes, A., Hendrick, W. (1991) DON'T HOLD YOUR BREATH & OTHER THINGS WE TELL OUR STUDENTS Phase 1-The Field Neurological Program: How Accidents Happen, *Sources; Jul/Aug:37-40*
- Zaferes, A., Hendrick, W. (1991) HOW DID WE MISS IT? *Sources; Mar/Apr:45-46*
- Zaferes, A. DIVING IN CONTAMINATED WATER JUST HOW SAFE ARE YOU?
• *Sortie; 1(4):8, 25*
- Zaferes, A. (1998) PUBLIC SAFETY DIVE OPERATION GUIDELINES MAXIMUM DEPTH-Pt 1 *Sortie; 1(4):13-15*
- Zaferes, A. (1997) COMMUNICATING IN ZERO VISIBILITY *Immersed; Fall:36-37*
- *Zaferes, A. (1997) SO YOU WANT TO START A PUBLIC SAFETY DIVE TEAM UNDERSTANDING THE RISKS-Pt 1 Dive Journal; May/Jun:17-18*
- Zaferes, A. (1997) RETHINKING THE HIT *Immersed; Spring(5):24-36*
- Vidars, H. ANDREA ZAFERES A BRIGHT WOMAN RISES FROM THE SOMETIMES DARK WATERS OF DIVE RESCUE, *Alert Diver; Sep/Oct:52*
- Zaferes, A. (1995) THE PAST IS CRITICAL TO OUR FUTURE, *Sources; Jul/Aug:41*
- Zaferes, A. SHEARS CUT THE NEED FOR KNIVES
- Zaferes, A. (1994) THE RESCUE CHALLENGE *Sources; Jul/Aug:47-48*
- Zaferes, A. (1993) WOMEN & DIVING: VALID QUESTIONS *Sub Aqua; Jun:7-8*
- Zaferes, A. (1993) EPISTAXIS TO STOP, OR NOT TO STOP? *Sources; May/Jun:78-79*
- *Zaferes, A. (1993) SHOULD YOU BECOME A CPR/BLS/1ST AID INSTRUCTOR Sources; Mar/Apr:28-30*
- *Zaferes, A. (1992) WOMEN DIVERS TAKE A RESCUE CLASS Sources; Jul/Aug:57-59, 72*
- Zaferes, A. (1991) DEEP, LONG, & BENT JUST FOR THE THRILL OF IT *Sources; Sep/Oct:62-63*

- Zaferes, A. (1990) RAPID DEPLOYMENT SEARCH & RESCUE-the LGS way
Sources; Jul/Aug:29-32
- Zaferes, A. OXYGEN ADMINISTRATION, IS IT FOR YOU?
- Zaferes, A. LGS HOLDS UNEXSO ITC
- Zaferes, A. TECHNIQUES FOR TEACHING A TOP QUALITY SPORT DIVING
RESCUE TECHNIQUES COURSE-pt 1
- Zaferes, A. So you want to start a public safety dive team: start with the right mentality.
NAUI Sources Flipbook, Feb 2019, pages 44-45.

ICE & COLD

- Zaferes, A. SPRING PRE-PLANNING FOR SURFACE ICE RESCUE-Pt 2 SURFACE
ICE RESCUE POLES *Sortie; 1(3):30-31*
- Zaferes, A. SPRING PRE-PLANNING FOR SAFE ICE RESCUE OPS:Pt 1 *Sortie;*
1(2):36-37
- Zaferes, A., Hendrick, W. NO ICE IS SAFE ICE *Sortie;1(1):20-22*
- Zaferes, A. (1998) NAUI NEEDS ICE TRAINING PROGRAMS *Sources; First
Quarter:22-23*

9. Work on the following Legal cases for aquatic death, homicidal drowning, and scuba diving investigations – not all inclusive:

1992: Dukelow v. Holzeburger: research assistant
 1991: Sullivan v. Smith: Expert Witness
 2002: Schiner v. Ritz-Carlton Hotel: (Diving Injury)
 2003: Granger v. Whitlock: (Diving Fatality)
 2004-5: Carson v. Carson (Homicidal Drowning w/ strangulation)
 2005: _____ v. Old Saybrook PD (civil suit re: police dive operation)
 2005-6: Sonoma County v. Easterling (defense expert, Homicidal Drowning) arrest made,
 defendant jailed for approx. 2 years, after our involvement the medical examiner changed MOD
 from homicide to accident and D.A dismissed the case.
 2006-7: People v. Zellmer (Homicidal Drowning)
 2008: Padula v. West Haven
 2007-8: Ostrowiecki & Rubin v. Aggressor Fleet (2 divers lost at sea, never found)
 2007-8: Skinner v. Aggressor Fleet (Diving Fatality)
 2009: Sylvester v. New York City (NYPD diver dropped from NYPD helicopter with resultant
 injuries)
 2011: Susan Cox v. County of Charlevoix (MI) (adult pool drowning)

2011: County of Cook (IL) v. Hrisco (homicidal drowning, victim was the defendant's spouse, found dead in residential whirlpool): arrest has been made

2011: Hinsdale County (CO) v. Fred Mueller (homicidal drowning: victim was the defendant's spouse, found dead in a river): arrest made, trial pending

2012: People of the County of New York v. Roderick Covlin (Strangulation: victim was the defendant's spouse, found dead in residential bathtub): arrest pending

2014: County of Tulare (CA) v. Michael Huckaby (Homicidal drowning: victim was the defendant's boyfriend who reportedly found dead in her residential bathtub) arrest made, Guilty Plea.

2015: Anderson and Aizzi v. the Monterey Express and Adventure Scuba (Deposition April, Reno, NV)

10. Testified in the following criminal cases (trials and depositions)

2008: Testified March 28 as a medicolegal death investigator for Dutchess County Medical Examiner's Office re: a homicide case, 4 year old victim. Dutchess County NY v. Brian James: first degree murder conviction

2010: Testified June: as an expert on drowning in State of Washington v. Michael Zellmer. King County Courthouse. Homicide case, 3 yo drowned in a pool. Conviction; 50 years to life

2011 Riverside County v. Blair Hall. Retired police chief drowned wife in spa, Riverside County CA. Conviction; 25 years to life. Part of the testimony included a reconstruction performed by Zaferes.

2012: October 4, People of the State of Colorado versus Frederick Harold Mueller, Case No. 12CR1 Gunnison CO. Hung Jury. The reconstruction that was conducted in this case was modelled after a report written by Zaferes.

2013: January 24, People of the State of Colorado versus Frederick Harold Mueller, Case No. 12CR1 Gunnison CO. Hung Jury. The reconstruction that was conducted in this case was modelled after a report written by Zaferes.

2013: May 2, US Army v. Justin Cannon, served as an expert for the defense, homicide trial involving a body found in a lake in MO, trial location – Leavenworth MO. Part of the testimony included a reconstruction performed by Zaferes and Hendrick. Result, conviction with 50 years to life.

2013: June 10-11, Nueces County v. Laura Day. Capital murder conviction, Life without the possibility of parole. Laura day drowned her 6 yo step son off a beach in Corpus Christi. Part of the testimony included a reconstruction performed by Zaferes.

2014: November 10, Tulare County v. Michael Huckabee, CA, preliminary hearing: homicide, bathtub drowning. Notified April 9, 2015 defendant pled guilty. Court#: VCF287978

2015: June 16, Macon County v. Chad Cutler, IL, preliminary hearing: homicide, bathtub drowning

2015: June 17, Macon County v. Chad Cutler, IL, Trial: homicide, bathtub drowning. Guilty Verdict: Cutler was convicted of three counts of first degree murder: 1. Intent to kill Lisa; 2. Knowing death would result by his actions; and 3. Knowing there was a strong probability of death or great bodily harm by his actions. The jury also found that the murder was premeditated and that it was carried out in a cold and calculated manner by a preconceived plan to take human life.

2015: August 7, Boone County v. Alexander Fazzino, IA, Deposition in Albany NY.

2019: December 6, 7, 17 Cook County v. Fred Hrisco, IL Frye Hearing

11. Civil Cases

2015: May 1, Anderson and Aiazzi v. Monterey Express and Adventure Scuba, Deposition (double fatality) in Monterey Bay, CA

2015: May 6, Anderson and Aiazzi v. Monterey Express and Adventure Scuba, Deposition

12. Site and Case Studies

2005-6: Sonoma County v. Easterling (defense expert, Homicidal Drowning) Tested PFD worn by victim and examined PWC in regards to head/facial injuries on victim and cause of death. Worked for the probono defense attorney. DA dropped charges and defendant was released from jail.

200? : King County WA – bathtub study regarding sounds on 911 call, victim position and injuries, and state of the bathroom

2011 Riverside County v. Blair Hall. Retired police chief drowned wife in spa, Riverside County CA. Conviction; 25 years to life. Study examined possible causes of injuries on victim and defendant and the location of the victim's body when observed by a witness.

2011: County of Cook (IL) v. Hrisco (homicidal drowning, victim was the defendant's spouse, found dead in residential whirlpool): Study examined body position of victim, injury causes, ability to see victim in whirlpool, and state of bathroom.

2012: People of the County of New York v. Roderick Covlin (Strangulation: victim was the defendant's spouse, found dead in residential bathtub): arrest pending. Study examined body position of victim, injury causes, state of bathroom, and what witness could have observed.

2013: US Army v. Justin Cannon, served as an expert for the defense, homicide trial involving a body found in a lake in MO, trial location – Leavenworth MO. Study examined body location and movement, and injuries on victim.

2013: June 10-11, Nueces County v. Laura Day. Ocean Beach site study examined location and movement of victim and defendant, injuries to victim.

2015: August 7, Boone County v. Alexander Fazzino, IA. Bathtub study examined victim location & position, state of bathroom, and victim injuries.

2015: August 8, Oswego County v. Steve Szatanek Case w/ NYSP regarding 17 yo WF assaulted and drowned in a lake by a stranger. Study examined how victim was removed from water, injuries on victim, state of bathing suit, and body position.

2018: September 14 & 15, Pinellas County Sheriff's Office, homicide investigation case study involving a scuba diver husband (William Gamba) and a snorkeling wife (Blaise Gamba), ocean, boat. Study examined possible methods of drowning and getting the female decedent on the boat with resulting injuries or lack thereof.

13. Additional investigations

I have worked on more than 30 scuba accident and fatality lawsuits and have consulted on more than 400 aquatic death cases. Consultations range from 10 minute phone calls answering questions to full case reviews with site studies. A case list is available upon request. References available upon request.

14. Positions and Employment

1981-7, Served as the diving safety officer and a researcher for the American Museum of Natural History comparative psychology department, publishing three research papers.
1983-5: Research Assistant: laterality in schizophrenics. Riverside Psychiatric Clinic. Univ of Michigan, Dr. Ronald Suarez.
1985-7: Research Assistant: Taste bud development in rats. The neuroscience Dept. Univ. of Michigan with Dr. Bruce Oakley.
1983-7 University of Michigan Scientific Diver Teaching Assistant
1984-7 Diver's Inc. Ann Arbor, MI served as a divemaster during open water courses
1989-2, scuba instructor and salesperson for Scuba World, 167 West 72nd street New York, NY
1988- 2004, squad leader EMT for Marbletown First Aid Unit, Marbletown NY
1987-present, instructor trainer and rescue/recovery instructor for Lifeguard Systems, currently serves as Vice President
1994-6, Served as education chairperson and secretary for the Beneath the Sea Hyperbaric Center at St. Agnes Hospital, NY
1997-8 Managing Editor, *SORTIE Magazine* 1997-present,
1996 -present: Member and trainer of the Ulster County Sheriff Office Dive Team
1998 - present, Vice President of RIPTIDE, Inc. (501C3 corporation) – assisting law enforcement agencies with homicidal drowning investigations
1998 - present: New York State Divers Association Committee Chair: Safety
1998 -present, producer and manager of *wateroperations/RIPTIDE* public safety water operations, on-line discussion group
1999 - 2003. Managing editor and Producer of *RIPTIDE Water Operation e-zine*
2004: Scuba Instructor for Univ. of British Columbia Semester Abroad in Kenya, 1 month
2004, April to present: Medicolegal Death Investigator for Dutchess County Medical Examiners Office, NY
2006, November to present: Serve on the National Fire Protection Association Rescue Technician Professional Qualifications Committee.
2007 - present, Los Rios Community College District faculty, Sacramento CA: Teach in Death Investigation Courses. Sacramento, CA
2015 – Fire Engineering/Fire Dept. Instructor Conference Advisory Board

Internships

1981-1987 American Museum of Natural History, Comparative Psychology Laboratory New York, NY. Researcher, Dr. Ethel Tobach supervisor. Included laboratory and Field work research on marine organisms.
2001 Dakota County Coroners Office, MN – 60 hours interning as an apprentice Medicolegal Death Investigator and autopsy diener.

15. Received:

- 1987 Recognition for over 1,000 hours to the American Museum of Natural History Comparative Psychology Laboratory – as a researcher and diving safety officer in NY and P.R.
- 1992 NAUI Outstanding Contributions to Diving Award
- First woman to receive the Beneath the Sea/Underwater Society of America Diver of the Year Award for Diving Education
- Underwater Canada Rogues' Gallery inductee
- 1997 nominated for the International Leonard Greenstone Award
- 1999 NAUI Pacific Rim Outstanding & Supporting Service Award
- 1999 EMT of the Year Award, Marbletown First Aid Unit
- 2000 Charter Member Inductee to the Women Divers Hall of Fame
- 2001 Malaysian Fire & Rescue Recognition Award for Diving Education
- 2003 Diver's Alert Network – Rolex Diver of the Year Award, received a Yacht Master Rolex
- 2015 Boston Sea Rovers Associate membership, March, Danvers MA
- 2015 Elite Instructor Award, Professional Association of Diving Instructors
- 2017 NAUI Certificate of Appreciation for presenting the Leadership Rescue Workshop, July 23.

16. Teaching and Program creation Experience:

Peace Officer Standards and Training

Several U.S. States offer their law enforcement personnel continuing education units (CEU) credit and sometimes funding for attending training courses that the State reviews and then sanctions. The following are states in which programs I teach have received POST approval. This is not an all-inclusive list.

- State of California: Aquatic Death and Homicidal Drowning Investigation (ADHDI)2 and 3 day courses; Rapid Deployment Search and Rescue/Recovery (RDSRR) (submerged body and evidence); Large Area Search (submerged body and evidence)
- State of Minnesota: ADHDI; RDSRR
- State of Michigan: ADHDI

Continuing Medical Education (CME) credits are required and offered to physicians and those with a medical license. Education must be reviewed and pre-approved to offer CME credits. A number of courses I have taught have received CME credit. The same is true for many conference presentation and workshops. This is true whenever a conference host applies conference presentations for CME credit. Examples would be NAME, AAFS, diving medicine, and medical examiner state conferences. My ADHDI class has received this credit.

Emergency Medical Services CEU State credit. Some States offer and sometimes require EMS credit for the emergency medical technicians, paramedics and other medical first responders.

- State of Connecticut
- State of NJ
- State of Pennsylvania

Aquatic Death and Homicidal Drowning Investigation (ADHDI) 16 and 24 hour programs

First one (one day): October 1997, Dover PD, Toms River, NJ.

From May 22 2001 through April, 2012 Andrea Zaferes has taught 35 classes for a total of 993 students in the U.S. and Canada. We do not have records from 1994 through May 2001 when we were also teaching the course. So the current total is greater than 1000 detectives, patrol officers, marine patrol, dive team members, coroners, medicolegal death investigators, forensic pathologists, and prosecutors up until 2012. From 2012 to 2015 there have been well over 2,000 additional students who have taken these 8-24 hour programs.

Sample of Public Safety Certification Courses – Designed with Walter Hendrick and currently teach: (all of which offer ACUC instructor specified specialty certification)

Aquatic Death and Homicidal Drowning Investigations (two or three day, 16-24 hrs)

Public Safety Diver Phase I Instructor Training Course

Public Safety Diver Phase II Instructor Training Course

Rapid Deployment Search & Rescue/Recovery I, II

Underwater Investigations

Underwater Vehicle Extrication

Moving Water Diving Operations

Large Area Search & Boat Operational Diving

Ice Diving Operations I, II

Surface Ice Rescue I, II

Surface Ice Rescue Instructor Training Course

Small Boat and Personal Watercraft Surface Rescue Operations

Field Neurological Evaluation and Instructor Training Program

Drownproofing Turnout Gear

STAT (anti-terrorism hull/bridge searching)

Certified as an Instructor for the following Specialties and Instructor Specified Specialties

NAUI

Rapid Deployment Search & Rescue I

Rapid Deployment Search & Rescue II

Blackwater I

PADI

Drysuit (2003)

Peak Performance Buoyancy (1994)

Oxygen Admin Accident Mgmt (1992)

Field Neurological (1992)
Blackwater Search Operations (2002)
Rapid Deployment SARR (2002)
Large Area Search (2002)
Surface Ice Rescue Technician (2002)
Rapid Deployment SARR Tender (2003)
Full Face Mask PSD Diver (2007)

Sport Certification Courses – wrote with Hendrick and currently teach

Instructor Training Course for NAUI and ACUC
Instructor Preparatory Program
Advanced Teaching Techniques
Diving Rescue Techniques I, II
Oxygen Administration and Field Neurological Evaluation
Buoyancy Control I, II, III
Buoyancy Control Instructor Training

Resort and other Professional training programs – wrote with Hendrick and currently teach

Amusement Park Water Show Safety and Water Rescue
Shark Attack Rescue Training
Rescue Challenge – Leadership Level Rescue for divemasters and instructors
Resort staff basic life support and first aid
Resort emergency action planning