

FORENSIC FIRE INVESTIGATION

Massachusetts, Rhode Island & Connecticut

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LEONARD VINE

SENIOR FIRE INVESTIGATOR, IAAI-CFI (V), CMI

QUALIFICATIONS & CURRICULUM VITAE

PROFESSIONAL SUMMARY

Mr. Leonard “Len” Vine was a professional firefighter and fire investigator for 22 years with the Barrington and Pawtucket Fire Departments before retiring in 2012. While on the department, he was a member of the City of Pawtucket Fire Arson Task Force and investigated a wide variety of fires including, but not limited to, vehicle fires, marine fires, residential fires, high-rise fires, and large loss mill fires.

Mr. Vine has a thorough knowledge of building construction and has worked with the NFPA Life Safety Code and NFPA 101 while serving the City of Pawtucket as an Assistant State Deputy Fire Marshal. He is a former member of the Executive Board of the Rhode Island International Association of Arson Investigators.

Mr. Vine is a Certified Marine Investigator through the International Association of Marine Investigators. He has extensive training in marine vessel fire and theft investigations. He has a lifetime of boating experience, having owned and maintained both power and sailing vessels. He is a past vice and full commodore responsible for the maintenance of club boats and facilities; he is also well-versed in the construction and systems of power, sail, and small commercial vessels.

In 2008, Mr. Vine was employed as a fire investigator and evidence technician with EFI Global. During his time, he investigated numerous fires, became lead investigator in significant loss explosion scenes and numerous multi-million-dollar long-term investigations. In 2023, Mr. Vine decided to join the Thermalogix LLC team as a Sr. Fire Investigator.

PROFESSIONAL EXPERIENCE

THERMALOGIX, LLC Fire Investigator	2023 –
EFI GLOBAL, INC Fire Investigator, Certified Marine Investigator, Evidence Technician	2008 – 2023
PAWTUCKET FIRE DEPARTMENT Lieutenant Engine 5 Lieutenant/Assistant State Deputy Fire Marshal, Fire Prevention Office Firefighter, EMT-Cardiac Level, Hazardous Materials Technician	1992 – 2012 2008 - 2012 2004 – 2008 1992 – 2004
BARRINGTON FIRE DEPARTMENT Firefighter/EMT-Cardiac Level	1990 – 1992

SPECIALIZED EDUCATION

- Fire Chemistry, IAAI, CFI Trainer 2022
- NFPA 1033, IAAI, CFI Trainer 2022
- Marine Fire Investigations, IAAI, Baton Rouge, LA 2019
- Systematic Investigation and Analysis of Post-Compartment Flashover Fires, MA-IAAI 2017
- Advanced Marine Fire Investigations, MA IAAI, IAMI 2015
- Certified Marine Investigator, IAMI 2015
- IAMI Training Seminar 2015
- Advanced Marine Fire Investigations, NJ IAAI, IAMI 2014
- IAMI Training Seminar 2014
- Certified Fire Investigator, IAAI 2012
- Marine Fire Scene Investigation, IAAI 2010
- Hands-on Electrical Fire/Arson Investigation, Public Agency Training Council 2008
- Expert Courtroom Testimony, IAAI 2008
- Hands-on Electrical Fire/Arson Investigation, Public Agency Training Council 2008
- All other seminars and certification available upon request

LICENSES & CERTIFICATIONS

- CFI, IAAI, # 51-071202
- CMI, IAMI # 03197-136
- CFEI, NAFI, # 11513-5438V
- CVFI, NAFI, # 11513-5438V
- Certified Hazardous Materials Operations Level, 2012
- Certified Hazardous Materials Technician, 2003-2010
- Private Detective (MA, RI, CT, NH, and NY)

PROFESSIONAL AFFILIATIONS

- IAAI (International Association of Arson Investigators)
- MAIAAI (Massachusetts Chapter of International Association of Arson Investigators)
- RIIAAI (Rhode Island Chapter of International Association of Arson Investigators)
- NFPA (National Fire Protection Association)
- NAFI (National Association of Fire Investigators)
- SFPE (Society of Fire Protection Engineers)
- International Association of Marine Investigators
- American Boat and Yacht Council

PROJECT EXPERIENCE

- **INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS (RI CHAPTER)**
40-Hour Marine Investigation Class
Assisted in the setup and instruction of this 40-hour comprehensive marine investigation class. The course consisted of live burns and classroom instruction.
- **EFI GLOBAL/CUNNINGHAM LINDSEY**
GAP Warehouse Fire, Fishkill, NY
Lead investigator for this \$500 million loss involving origin and cause, code compliance, and fire protection system operation investigation.
- **INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS (RI CHAPTER)**
Annual 3-Day Fire Investigation Training Seminar (2008- Present)
As a past board member, assisted and participated in planning and presenting a live-burn fire investigation training seminar.
- **EFI GLOBAL/VERMONT MUTUAL INSURANCE**
Boston, MA (2014)
Lead private investigator for large-scale loss involving two firefighter fatalities.
- **PAWTUCKET FIRE DEPARTMENT**
Fire investigations, Pawtucket, RI (2007)
Two investigations he was directly involved in resulted in the arrest and conviction of the suspects involved.
- **EFI GLOBAL/TRAVELERS INSURANCE**
Dyersburg, TN (2009)
Long-term fire investigation of a multi-million-dollar fire loss in a 600,000-square-foot warehouse fire. Mr. Vine was responsible for supervising teams of laborers and investigators in debris removal, locating, recovering, documenting, cataloging, and packaging the evidence for transport to Travelers Insurance Laboratories in Windsor, CT.
- **EFI Global/Columbia Gas**
Springfield, MA (2012)
Mr. Vine was the lead investigator representing Columbia Gas Co. in investigating a multi-million-dollar gas explosion that affected several city blocks in downtown Springfield, MA.

COURT QUALIFICATIONS & DEPOSITIONS

- **GRAND JURY TESTIMONY:** Fire Origin & Cause, Rhode Island Superior Court, Assistant State Deputy Fire Marshal, City of Pawtucket, RI: Rhode Island Superior Court, 2007, Case # P1-2007-0217A, The State of Rhode Island v. Alejandro Tobon resulting in the conviction of Mr. Tobon for arson.
- **EXPERT WITNESS:** Fire Marshal, multiple cases, Municipal Court, Pawtucket, RI
- **EXPERT WITNESS:** Fire Origin and Cause Deposition in US District Court District of Connecticut, Vermont Mutual (Plaintiff) v. Paul Nadeau d/b/a Arrowhead Plumbing (Defendant), April 15, 2011, State of CT
- **EXPERT WITNESS:** Fire Origin and Cause Deposition in Middlesex Superior Court # MICV2010-03633-H, May 22, 2013

COURT QUALIFICATIONS & DEPOSITIONS (Cont.)

- **EXPERT WITNESS:** Fire Origin and Cause Deposition in US District Court of Massachusetts # 12-11502-JLT
- **EXPERT WITNESS:** Fire Origin and Cause Deposition in US District Court of Connecticut # 3:18-cv-01543, August 29, 2019
- **EXPERT WITNESS:** Fire Origin and Cause Deposition, Essex Superior Court # C. A. 16 – 1834C, November 24, 2020
- **EXPERT WITNESS:** Fire Origin and Cause Deposition, United States District Court # 1:18-CV-12064
- **EXPERT WITNESS:** Fire Origin and Cause Deposition, Massachusetts Superior Court, # C. A. NO. 1782CV01346, November 22, 2021
- **EXPERT WITNESS:** Fire Origin and Cause Trial Testimony, Vermont Mutual Insurance Co. (Subrogee of Margaret M. Pisani) vs. Christopher Wilkins and the Estate of Lorraine M. Maddeford, Worcester District Court, Civil Action No.: 2066CV000155-JT