



Fred Herrera, CFI Fire Investigator

PROFESSIONAL SUMMARY

- Over twenty-six years experience in the fire service with the San Diego Fire Department
- Over seven years private investigation experience with FHFII and EFI

PROFESSIONAL EXPERIENCE

2006 to present	FRED HERRERA FIRE INVESTIGATIONS San Diego, California Owner, Certified Fire Investigator
1999 to 2006	ENGINEERING & FIRE INVESTIGATIONS Los Angeles, California Certified Fire Investigator
1989 to present	METRO ARSON STRIKE TEAM, SDFD San Diego, California Fire Captain, Certified Fire Investigator
1981 to present	SAN DIEGO FIRE DEPARTMENT San Diego, California Fire Captain, Fire Engineer, Firefighter

CERTIFICATIONS

Certified Fire Investigator #22-007 (IAAI-CFI), IAAI (10/07)

Certified Fire and Explosion Investigator #5682-1606 (expired), (CFEI), NAFI

Certified Fire Investigator #41536 (CFI), NFPA / NBFSPQ

Certified Fire Investigator #513 (CCAI-CFI), CCAI (4-05)

Certified Fire Investigator I #880793 (CFI), CSFM

Certified Fire Investigator II #870063 (CFI), CSFM

Certified Fire Officer #013210, CSFM

Certified Firefighter I #019428, CSFM

Certified Firefighter II #006952, CSFM

Certified Fire Instructor I #092216, CSFM

Licensed Private Investigator #20635, BSIS

SPECIALIZED EDUCATION

Fire Science A.S. Degree
Fire Investigation 1A, 1B, 2A, 2B, California State Fire Marshal
Advanced Origin & Cause, ATF National Academy
Arson Crime Scene Investigation, FBI National Academy
Fire / Arson Investigation, National Fire Academy
Fire & Explosion Investigation, Department of Justice
Vehicle Fire Investigation, Lee Cole & Associates
Electrical Fire Investigation, PATC
Interview & Interrogation Techniques, BATI
IAAI / CCAI seminars
SDPD Academy / Peace Officer status / PC 832

PROFESSIONAL ORGANIZATIONS

International Association of Arson Investigators (IAAI)
California Conference of Arson Investigators (CCAI)

- Ex Officio Board Member / San Diego County Roundtable Coordinator 2000-2004
- Awards Committee Chair 2001-2005
- Marketing Committee Chair & Legislation Committee member 2001-2003

COURSES INSTRUCTED

Fire Behavior & Combustion, Fire Investigation 1B, San Diego Community College
Fire Investigation, Internet-based, Santa Fe City College
First Responder Fire Investigation, Firehouse World Exposition & Conference
Arson Laws, Firehouse World Exposition & Conference
Origin & Cause for Company Officers, Firehouse World Exposition & Conference
Evidence Collection, Firehouse World Exposition & Conference
Basic Fire Investigation, ATF Regional Training
NFPA 921 Issues, FBI National Academy
Vehicle Fraud Fires, California District Attorney's Association
Fire Investigation, San Diego Fire Academy
Fire Investigation, San Diego Fire Cadet Academy
Fire Investigation / Evidence Preservation, San Diego Fire-Rescue In-Service Training
Physical Evidence, San Diego Regional Law Enforcement Academy
Arson Laws, San Diego Regional Law Enforcement Academy
Fire Investigations, SDPD / MAST Menu Training
Fire Investigation, IABPF Southwest Regional Spring Conference
Fire Investigation; Evidence, Spoliation & Subrogation, Auto Club of Southern California
Fire Loss Mitigation, State Farm Insurance
Fire Investigation, AON Risk Management, Department of Insurance
Public Records / Fire Department Reports, CCAI
Live Burn Training, CCAI
Basic Fire Investigation, CCAI Imperial County Roundtable
Fire Investigator Professional Development, CCAI San Diego Roundtable
Chain of Custody, San Diego Lifeguards
Evidence Collection, Chula Vista Fire Department

LEGAL TESTIMONY

Expert Witness/Investigating Officer, Superior/Municipal Court, Board of Prison Terms (31)
Public and Private Sector deposition / trial testimony (22)

ARTICLES PUBLISHED

Potential Fire Causes

CCAI's California Fire-Arson Investigator (4/06)

First Responder Fire Investigations

Firehouse Magazine (2/06)

Investigation of Boat Fires

CCAI's California Fire-Arson Investigator (1/05)

Digital Investigations

CCAI's California Fire-Arson Investigator (10/04)

Firesetting Motives

CCAI's California Fire-Arson Investigator (1/04)

Fire Behavior Myths & Misconceptions

ExpertLaw.Com (09/03)

Investigative Uses for Alarm Systems

CCAI's California Fire-Arson Investigator (06-03)

Submitted *EFI's Insights*

Vehicle Identification Numbers (VIN) 101

IAAI's Fire & Arson Investigator (07/03)

CCAI's California Fire-Arson Investigator (03/03)

Practical Uses of Failure Analysis and

Analytical Tools,

CCAI's California Fire-Arson Investigator (12/02)

ExpertLaw.Com (09/03)

Passenger Compartment Vehicle Fires;

Incendiary or Undetermined?,

CCAI's California Fire-Arson Investigator (10/02)

ExpertLaw.Com (09/03)

Fourth Amendment Rights of Fire Victims,

CCAI's California Fire-Arson Investigator (01/02)

ExpertLaw.Com (09/03)

SDCDA's LEQ (Winter 2003)

Testing the Fire Cause Hypothesis,

CCAI's California Fire-Arson Investigator (11-01),

EFI's Insights (Fall 2002)

Ignition Handbook, reference 1693, V. Babrauskas,

Respiratory Protection for Fire Investigators,

IAAI's Fire & Arson Investigator (10/01)

Ashes of Aries, Fire behavior expert consultant

(Fiction novel), St. Martin's Press, (09/01)

"Red Flags" Indicators of Vehicle Fraud Fires,

SDIAA's The Adjuster (11/03)

ExpertLaw.Com (09/03)

CCAI's California Fire-Arson Investigator (05/01),

WeTip Quarterly Magazine (06/01)

EFI's Insights, edited (Summer 2001)

Arson Registrants; Y2K changes to PC 457,

CCAI's California Fire-Arson Investigator (01/00),

SDCDA's LEQ (Spring/Summer 2000)

Evidence Collection, Preservation & Disposal,

IAAI's Fire & Arson Investigator (07/99)

California Arson Registration Program,

CCAI's California Fire-Arson Investigator (04/99)

First Responder Newspaper;

Arson Investigation Column

First Responder Fire Investigations (4-03),

Investigative Uses for Alarm Systems (5-03),

California Arson Registrants (6-03), Fire Behavior

Myths & Misconceptions (9-03), Passenger

Compartment Vehicle Fires (11-03), Firesetting

Motives (1-04), Fourth Amendment Rights of Fire

Victims (6-04), Analysis of Fire Cause (7-04),

NFPA 921 (8-04), Digital Investigations (9/10-04),

Courtroom Testimony (11/12-04), Multiple Fire

Causes (1-05), Investigative Resources (2-05),

Expert Qualification (3-05), Evidence Collection

(4-05), Forensic Fire Investigation (6-05), Ford

Cruise Control Fires (7-05), Electrical Fire Causes

(8-05), Investigation of Boat Fires (9/10-05),

Potential Fire Causes (11-05), Digital Photography

(1-06), Metropolitan Grass Fire Investigation (3-

06), Spontaneous Combustion (4-06), Private

Investigators (5-06), Public Insurance Adjusters (6-

06), The Scientific Method for Fire Investigations

(8-06).

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