



Fred Herrera, CFI Fire Investigator

Updated January 2011

PROFESSIONAL SUMMARY

- Over thirty years experience in the fire service with the San Diego Fire Department
- Over eleven years private investigation experience with FHFI 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 (10/12)

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

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

Certified Fire Investigator #513 (CCAI-CFI), CCAI (4-13)

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, DCA / BSIS (6/12)

SPECIALIZED EDUCATION

Fire Science A.S. Degree

Fire Investigation 1A, 1B, 2A, 2B, 160 hours, California State Fire Marshal

Advanced Origin & Cause, 80 hours, ATF National Academy

Arson Crime Scene Investigation, 40 hours, FBI National Academy

Fire / Arson Investigation, 80 hours, National Fire Academy

CFI Trainer; 32 programs, 121 hours, International Association of Arson Investigators

Fire & Explosion Investigation, 24 hours, John DeHaan, Department of Justice

Investigation of Electrical & Appliance Related Fires, 20 hours, IAAI / AHAM

Fire Investigation, John DeHaan, 16 hours, California Association of Criminalists

Vehicle Fire Investigation, 40 hours, Lee Cole & Associates

Electrical Fire Investigation, 24 hours, Public Agency Training Council

Fire Pattern Certification, 24 hours, Public Agency Training Council

Fire Origin & Cause; NFPA 921, 24 hours, Public Agency Training Council

Interview & Interrogation Techniques, 40 hours, Behavior Analysis Training Institute

IAAI / CCAI seminars

SDPD Academy / Peace Officer status / PC 832

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

Vehicle Fraud Fires, Southern California Chapter IASIU

Fire Investigation, San Diego Fire Academy & 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, 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

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?

IAAI's Hawaii Chapter Newsletter (03/08)

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

IAAI's Hawaii Chapter Newsletter (06/08)

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

EFI's Insights (Fall 2002)

Respiratory Protection for Fire Investigators

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

"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)

Scientific Method for Fire Investigations (8-06).

PUBLICATIONS

Fire Investigator Principles and Practice to NFPA 921 & 1033, Third Edition

Author / Contributor:

Chapter 9 Legal Considerations.

Reviewer:

Chapter 8 Fire-Related Human Behavior

Chapter 10 Safety

Chapter 16 Fire Cause Determination

Ignition Handbook, First Edition, Vytenis Babrauskas

Reference 1693 “Testing the Fire Cause Hypothesis”

Ashes of Aries, (Fiction novel), St. Martin’s Press, (09/01)

Fire behavior expert consultant acknowledgement

Store; A documentary film / **Boxes;** Short Film. StarVehicle Productions LLC

Fire investigation case studies.

LEGAL TESTIMONY

Expert Witness/Investigating Officer, Superior/Municipal Court, Board of Prison Terms (32)

Public and Private Sector deposition / trial testimony (28)

PROFESSIONAL ORGANIZATIONS

International Association of Arson Investigators (IAAI)

National Fire Academy Alumni Association (NFAAA)

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