

EARLE RAYMOND SCOTT BAKER
CAL FIRE CALIFORNIA DEPARTMENT OF FORESTRY & FIRE
PROTECTION
STATE FIRE MARSHAL'S OFFICE
POSITION: ARSON & BOMB INVESTIGATOR (Retired)
AS OF 9.1.2019

FORMAL TRAINING:

2.25/28.19	Interviewing/Fundamentals of fire investigation	28 Hours	CCAI
3.18	Live fire training, vehicle and structure fires	40 hours	CCAI
1.21.18	HAZWOPER Training	40 hours	OSHA
10.17	Live fire training, Fire dynamics, electrical causes	40 hours	CCAI
3.17	Live fire training, origin & Cause, legal update	40 hours	CCAI
10.16	Live fire training, Origin & Cause	40 hours	CCAI
10.15.15	Fire Protection Systems	3 hours	IAAI
8.26.15	Fire Scene Safety	3 hours	IAAI
8.19.15	Fatal Fires	4 hours	IAAI
8.19.15	Fundamentals of Interviewing	4 hours	IAAI
8.18.15	Scientific Method	3 hours	IAAI
8.16.15	Explosion Dynamics	4 hours	IAAI
8.16.	Introduction to Evidence	4 hours	IAAI
8.5.15	Report Writing	3 hours	IAAI
8.4.15	Documenting the Event	4 hours	IAAI
8.3.15	Ethics and Fire Investigations	4 hours	IAAI
5.2.15	Domestic Terrorism	8 hours	IAAI
3/44.15	Fire Scene Invest/Electrical & Electricity	40 hours	CCAI
5.10.14	Explosives Threat Assessment for Fire and Police	8 hours	LASO/CCAI CVAI
12.13	Academy Instructor Update Course	8 hours	FPD/POST
6.25.12	Instructor Update Course	8 hours	State Fire Training
2008	Academy Instructor Certification Course	32 hours	Calif POST
2005	Scene Photography	8 hours	CVAI
2002	EEO Investigator	8 hours	State of CA
2-11-02	Hazardous Devices School (Refresher)	40 hours	FBI

6-99	Firearms Instructor	40 hours	CDF
11-98	Advanced Officer Class	40 hours	CDF
8-98	Weapons of Mass Destruction HDS/FBI	40 hours	HDS/FBI
3-97	Fire Investigation 2a	40 hours	CSFM/FEMA
8-25/27-96	Fire Investigation, Northwest Ohio Arson Seminar	16 hours	Ohio SFM
7-25-96	Clandestine Laboratory Safety	32 hours	N. E. S.
6-95	Arson/Explosives Course	40 hours	CSFM ICI
5-95	Fire & Arson Detection (W/Lab)	24 hours	Federal Fire Admin.
10/94	ICI/DOJ Instructor Course	40 hours	Calif. DOJ
5/94	Fire Investigator 2B	40 hours	CSFM
4/94	Hazardous Device School Refresher	40 hours	FBI
3/94	Fire Instructor IB	40 hours	CSFM
3/94	Fire Instructor 1A	40 hours	Fresno City
9/83	Advanced Criminal Investigative Techniques	40 hours	USAF/OSI
12/91	Explosives Recognition & Reconnaissance	40 hours	CSFM
7/91	Hazardous Device School (Refresher)	40 hours	FBI
10/88	Advanced Explosive Technology	32 hours	IABTI
8/88	Hazardous Device School	160 hours	FBI
1/88	Fire Command III	24 hours	CSFM
4/86	Homicide Investigation	40 hours	Fresno City
4/85	Post Bomb Scene Investigation	40 hours	FBI
83/84	Advanced Fire Investigation	40 hours	CSFM
8/81	Structure & Auto Fire Investigation	16 hours	CSFM
6/80	Structure Fire Lab	40 hours	CSFM

EARLE RAYMOND SCOTT BAKER
Arson-Bomb Investigator

DEGREES

6/79	Certificate of Completion/Fire Science	Butte College
6/74	AA Degree in Law Enforcement	Butte College

ON THE JOB TRAINING

On the job training from the Oroville Fire Department, Covelo Fire Department, State Fire Marshal, California Conference of Arson Investigators and the International Association of Bomb Technicians and Investigators on a continuous basis for in excess of the past 40 years.

TEACHING:

Have taught firefighters, investigators and law enforcement personnel at the Covelo Fire Department, California Department of Forestry, Sonora Fire Department. Have taught Level I and Level II Arson Investigation classes within the state as well as four (4) hour block classes to local, state and federal agencies. Have taught origin and cause at the Idaho P.O.S.T. Academy, Northwest Ohio Arson Seminar, Mid-State Police Academy, California State Parks, Law Enforcement, National Parks Service, and various police departments. USAF/OSI Training Academy, Washington D.C., California Fire Academy, California Department of Corrections, U.S. Capitol Police H.D.S., Wash D.C., FBI, A.T.F. University of Hawaii Maui Campus, Findley University Ohio, University of New Mexico at Alamogordo, the U.S. Navy/N.C.I.S., and U.S. Army/C.I.D. U.S. Forces and local fire and law enforcement officers in Alaska, Hawaii, Guam, Mexico, England, Germany, Italy, Japan, Korea, and The Republic of Panama, BIA, NASA, Mass., New Hampshire, Arizona. Have taught Fireworks and explosives classes to local, state, federal and foreign national fire and law enforcement agencies, the California Fire Training Officers Association, and the California Fire Chiefs Association. Have also taught origin and cause determination to deputy district attorneys in Kings, Fresno, Tulare, Merced, Madera, Mariposa, Inyo and Kern Counties, State of California. Have taught explosives identification to fire and law enforcement officers worldwide including the Chevron Oil Company, Richmond, California and the California Woman's Peace Officer's Association. Have taught at the California Conference of Arson Investigators Conference, as well as the Cal Chief's Fire Prevention Officers Association.

Have taught the wildland/vegetation fire investigation class. Developed and teach the only POST certified Explosives identification for first responders' class in central California.

Teach Fire Extinguisher operations to the Fresno Fire Academy, College of the Sequoias Fire Academy and for Pacific Gas and Electric at Fresno City College and throughout the state.

Currently listed as an instructor at:

California Peace Officers Standards and Training, Prestly Institute of Criminal Investigation.
(California POST)

Fresno City College, Fresno (Core Classes and Fire Academy) (Police Academy) (State Classes)
California State Fire Training

COURTROOM

I have qualified and testified as an expert on origin and cause of fires, fire scene re-construction and explosives in Justice, Municipal, Superior, Civil, and Federal Courts, civilian and military courts. Have testified for both prosecution and defense in criminal cases.

EXPERIENCE

During the past 40 years I have investigated approximately 2000+ fires and explosions to determine their origin and cause.

Associate team member for the CHP M.A.I.T. (Central) for origin and cause of vehicle fires involving fatalities. (1990-2001)

I have assisted in/or personally set fire to **450+** structures (single and multiple story), **500+** vehicles (Aircraft, busses, trucks and automobiles), **150+** training modules and numerous grass/vegetation fires to view the fire and observe the scene before during and after the burn. Some of the structures have been multi-story. Explosives have initiated some of the fire sets. Some of the vehicles have been new, and some were constructed with other than U.S. specifications. Many of the structures have been furnished. I taught at the advanced explosives identification class in Tulare yearly. (2006-2017)

Five years as a police officer with the Oroville Police Department, seven years as a resident deputy sheriff with the Mendocino County Sheriff's Department, six years as a firefighter/investigator/line officer and chief officer with the Covelo Fire Department, three years as a demolition specialist with the California Army National Guard, Combat Engineers. Thirteen years as an investigator for the U. S. Air Force Office of Special Investigations and eighteen years as an Arson-Bomb Investigator with the California State Fire Marshal's Office. (California Department of Forestry and Fire Protection)

Thirty-six years working in the law Enforcement Career Field. Thirty-six years with various agencies charged with determining origin and cause of fires. Forty-nine years as a member of the California Conference of Arson Investigators attending the training seminars at least once yearly. Have served on the training and education committees, Ethics and Grievances committee of the California Conference of Arson Investigators, 1986-2018). Thirteen Years as a military criminal investigator, (AFOSI)

I have taught fire and explosives investigation and investigated fires and explosives incidents in six countries and throughout the Continental United States including the District of Columbia. Created, supervised and taught the only Explosion/Fire investigation class offered to the United States Air Force Office of Special Investigations Academy in Washington DC and Andrews AFB MD for 10 years. I supplied information for the USAF/OSI Evidence Collection Handbook currently used by the active duty Air Force Investigators worldwide. I authored material for the California District Attorneys Arson Prosecution handbook.

I have taught fire extinguisher enforcement and inspections to fire academy cadets at COS and Fresno Fire academy as well as Deputy State Fire Marshals, and local fire authorities throughout the State of California.

SPECIAL CREDENTIALS:

Master Certified Fire Investigator, California Conference of Arson Investigators
Certified Fire Investigator, California State Fire Marshal's Office
Advanced Post Certificate from POST (Peace Officers Standards & Training)
Fire Investigator I and II, Certification from the California State Board of Fire Services
Hazardous Devices Technician (Bomb Technician)
Instructor for the Prestley Institute of Criminal Investigation (ICI) (POST)
Clandestine Drug Lab Safety Officer
Firearms Instructor
EEO Investigator
Background Investigator
President of Chapter # 22 IAAI (California Conference of Arson Investigators) 3.25.2013
Fire Extinguisher Certificate of Registration issued by the State Fire Marshal
Certified instructor State Fire Training, California State Fire Marshal

PUBLISHED MATERIAL:

Photos for KIRK'S FIRE INVESTIGATION, FIFTH & SIXTH EDITION.
U.S. AIR FORCE/OSI FIRE INVESTIGATION STUDY GUIDE, FIRE &
EXPLOSIVES
Portions of AFOSI CRIME SCENE HANDBOOK(Fire and Explosives)
Material for the 1995 SAE paper on VEHICLE FIRE INVESTIGATION (FEB. 95) (Air
bag restraint systems, hazards involved with investigations)
Portions of the CDAA Manual for Prosecution (1994 Ed)
Explosives Safety Field Guide for Investigators, AFOSI, Aug 96
Criminal Information Report of the USAF/OSI on packaging of explosives per UN labels 9-96
Calfire/SFM Fire Extinguisher Enforcement Powerpoint® program (On line)(2012)
Current

ORGANIZATIONS

California Conference of Arson Investigators (Past President 2013-)
Central Valley Fire Investigators (Past President 3 terms)
Society of Explosive Engineers
International Association of Arson Investigators

SUBSCRIBED PUBLICATIONS

Explosives Engineering

STATUS

Retired from the State of California CDF/State Arson-Bomb Division on 1 May 2002
Retired from the United States Air Force, Office of Special Investigations, 8-8-2004
Working as an independent consultant re-constructionist for CSI, Selma, CA (2002-2008)
Special Investigator for CALFIRE, Fire Engineering, extinguisher/fireworks enforcement and
investigations (8.2008-9.30.2019)