

PROFESSIONAL RESUME

Randolph J. Harris
5201 East 48th Avenue
Denver, Colorado 80216
(303) 333-5209

Home:
2229 Pinto Trail
Elizabeth, Colorado 80107
(303) 646-4529

EDUCATION:

1983-1984	University of Utah (32 hours toward M.S. Degree) Graduate Studies in Materials Science
1978-1982	State University of New York at Buffalo B.S. Chemical Engineering
1974-1978	John Bowne Agricultural High School Graduated in top 10%

EMPLOYMENT:

1985-Present	Fay Engineering Corp. - Fire Reconstructionist Chemical Engineer specializing in the field of fire, arson and explosion investigation, origin and cause determination and all aspects thereof. Specialist in carbon monoxide poisoning and gas explosions. Expertise in natural and propane gas systems, vehicle fires, in lab testing and analysis of equipment. Knowledge of hazardous materials, chemical plant operations, well sites, fire standards and safety codes. Experienced in chemical problem analysis and materials testing. Computer simulation of fires. Court qualified.
1984	Chemical Engineer -Thatcher Chemical Company Chlorine department. Process and production Improvements. Production of sodium hypochlorite in batch reactors. Complied procedures for processes and emergencies. Safety Improvements - Technical Advisor
1984	Research Assistant - University of Utah Processing of AlN-Sic ceramics utilizing hot-press. Machined graphite dies, polished samples, used X-ray diffractormeter and optical microscopes to analyze the new materials.

1982-1983 Chemical Technician - Webb Foods, Inc.
Performed various, quality control tests. Analyzed and reported results,
varied compositions.

1978-1982 Worked various jobs to finance education.
(carpentry, landscaping, painting, farm work etc.)

ADDITIONAL SKILLS

Extensive laboratory experience
Machine Shop competence

SPECIAL TRAINING:

Advanced Arson Seminar - 1986, Denver Fire Department
(40 hour course with final examination)

Fire and Explosion Investigation Seminar - 1986
Metropolitan Arson Investigators Association
(40 hour course with final examination)

Fire and Explosion Investigation Seminar - 1987
Metropolitan Arson Investigators Association
(2 days of field work)

Technical Fundamentals for the Fire Investigator - 1990
The College of Engineering
University of Wisconsin - Madison
(40 hour course with final examination)

Heating Equipment Service Seminar –1994
Rheem Manufacturing - The Learning Center
(40 hour course with final examination)

Rocky Mountain Region Advanced Fire, Arson and Explosion
Investigation Training Program – 1995

National Association of Fire Investigators and Aurora Fire/Rescue
(40 hour course with final examination)

*** Certified Fire and Explosion Investigator**

Gas and Electric Appliance Fire Investigation Seminar – 1995
“Barker and Herbert Analytical Laboratories, Inc.
(Laboratory experience with 40 hour course with final examination)

NFPA-921 Training Seminar – 1997
by The National Fire Protection Association and Aurora Fire/Rescue

Interviewing and Interrogation Techniques –1998
by Stan Walters

National Fire Protection Association World Safety Congress and
Exposition – 2000

Investigation of Vehicle Fires Seminar by Lee S. Cole and Associates
for - 2000

National Association of Fire Investigators National Seminar on Fire
Analysis Litigation - 2003

Defense Research Institute Fire & Casualty Seminar - 2005

Defense Research Institute Fire & Casualty Seminar - 2007

Completed a Fire Investigators Training Course furnished by the
National Fire Protection Association.

PROPANE SEMINARS:

by The National Propane Gas Association
Gas Training and Development and
The Propane Education and Research Council – 1998

-Basic Principals and Practices
(2 days with test)

-Inspecting, Re-qualifying, Filling, and Transporting Small Propane
Containers
(1 day with test)

*** Certified Propane Handler**

COLLEGE COURSES:

"Introduction to Fire Science"
Community College of Denver
(40 hour semester long course with examinations)

"Fire/Arson Investigation"
Community College of Denver
(40 hour semester long course with examinations)

"The Chemistry of Arson and Explosives"
Metropolitan State College
(40 hour semester long course with examinations)

PROFESSIONAL
AFFILIATIONS: