

RICHARD M PATTON CREDENTIALS, EXPERIENCE AND ENDORSEMENTS

EDUCATION

Bachelor of Science Degree - Fire Protection Engineering
Illinois Institute of Technology, Chicago, Illinois

PROFESSIONAL REGISTRATION

Registered Fire Protection Engineer - California
Registered Engineer - Ohio

SPECIAL RECOGNITION

1. In 2001 Patton was selected by Fire Protection Contractors Magazine as 'Person of the Year' (see picture).
2. Patton was nominated by McGraw Hill for the 'Engineer of the Year Award' for developing a 'Life Safety Fire Sprinkler System' to protect high rise buildings, hospitals, schools, apartments and like buildings (see page 3).

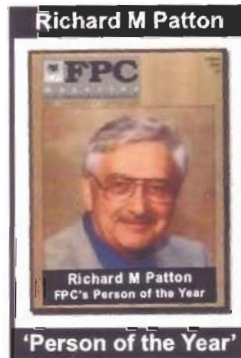
Nominees for this award are selected on a world wide basis.

EXPERIENCE AND ACCOMPLISHMENTS

Patton has 40 years experience in fire protection as an engineer, research director, chairman of fire codes, independent consultant, manager of a fire sprinkler installation firm, educator and creator of new codes and new technology.

Since Patton first entered the field of fire protection, he has been at the leading edge of the profession, often being at odds with those who desired to maintain the status quo. Here are a few of the battles for new systems and new concepts he fought:

1. Patton was the first fire protection specialist in this nation to discover and reveal that the smoke detector manufacturers were falsifying the performance claims for their ionization-type smoke detectors, and concealing inherent defects that would frequently cause it to fail. The obvious down side would be thousands of unnecessary fire deaths. In 1976 Patton risked harsh retaliation by the fire establishment when he distributed 3,000 copies of 'The Smoke Detector Fraud' report to fire chiefs and fire engineers across the US. His revelations were largely ignored, thousands died, and in 1989 he decided to initiate a Crusade intended to reveal and reduce such fraudulent activities in the so called 'fire safety' field.
2. He created the first ever code for installing a fire detection system in homes. NOTE: After this code was created and adopted nationally, the smoke detector industry initiated a campaign to prostitute the code so that it became only a marketing tool for selling cheap smoke detectors.
3. Patton was the first to recognize, define and write about the 'flashover' phenomenon as the major creator of flash fires within homes and a primary cause of fire deaths in dwellings and similar properties such as nursing homes.
4. For more than 50 years the so-called 'FIREPROOF BUILDING' was a 'Club Fire' icon. A FIREPROOF building was considered to be an 'inherently fire safe' building. Therefore the 'fire experts' considered it to not need any fire detection or sprinkler systems. Patton shook the fire insurance establishment by comparing the fireproof building to the furnace, within which the fuel (building contents) would burn, like wood kindling burns inside a stove. When the contents burned, people burned too.
5. Patton created and popularized the concept of 'systems safety', and demonstrated that systems safety protected life far better than the structural fire safety codes (fireproofing and compartmenting).



Clearly, terminating the incipient fire was superior to attempting to trap the fire, contain it within one 'FIREPROOF' compartment and confine the smoke. The smoke (and deadly gases) could never be confined.

6. Patton researched and defined the criteria for a practical residential fire sprinkler system, that would need only the already available water within the home. This technology was incorporated into the California Residential Sprinkler Code, the first ever practical (available water) sprinkler design code applicable to existing homes (The fire establishment fought against this solution to residential fire deaths).
7. Patton played a major role in creating a captive insurance company (located in the Bahamas) for the Seagram Distiller's world-wide empire. Patton twice visited Lloyds of London to gain recognition for his advanced fire sprinkler designs for whiskey workhouses. He custom designed an 'all risk' property insurance contract.
8. Patton created, tested and codified the first ever life safety oriented fire suppression system for buildings. His 'Life Safety Sprinkler System' improved reliability and reduced the cost of installing sprinkler systems from 50% to 90%, for high rises, schools, hospitals, nursing homes, apartments and similar buildings where human life was at great risk.

The Transamerica building in San Francisco (see picture on the next page) was one of the first high rise buildings ever fitted with a sprinkler system. Patton 'Life Safety Sprinkler System' made this possible.

FIRE PROTECTION CONSULTING SERVICES

Patton has provided his Consulting Services, engineering recommendations and expertise to hundreds of businesses, organizations and groups including:

- Architects
- Building Code Organizations (BOCA, ICBO, and SBBC)
- Hospitals and Health Care Facilities
- Lloyds of London
- Private Businesses and Organizations
- State and Local Fire Marshals
- The Distilling Industry
- The Federal Fire Administration
- The Fire Detection and Alarm Industry
- The Fire Sprinkler Industry and Associations
- The Legal Profession (Trial Attorneys)
- The National Commission on Fire Prevention and Control
- The National Research Council
- The Nuclear Regulatory Commission
- The Consumer Product Safety Commission
- The US House of representatives
- The US Senate

UNSOLICITED TESTIMONIALS

Over the years, many people have written to Patton to express support or thanks for his works, writings and concepts. Here are a few of them:

"I will not think of the phenomenon of flashover without thinking of our discussion and the simple option I have overlooked for so long. Sometimes that most simple concept or idea becomes lost in the search for an involved technical answer."

Roger B. Hansen, Fire Service Institute, Iowa State University

"Richard M. Patton is cited by the publisher and editors of 'Engineering News Record' from among the many men who have served the best interests of the construction industry."

McGraw Hill, 'Engineering News Record', New York City

Patton's 'Life Safety Sprinkler System'

San Francisco's famous Transamerica building was one of the first high-rise buildings ever fitted with a sprinkler system specifically designed to save life, not property and was made possible with Patton's 'Life Safety Sprinkler System'

...Continued

"Your words of advice and encouragement have reminded me of my responsibility to continue my quest for fire safety and public education. Thank you ... for your continuing efforts to make America a safer place from the disastrous effects of fire."

Chet Bowman, Fire Chief, City of Anaheim, CA

"What Dick Patton had to say, I suggest should be the starting point for a full-fledged investigation by someone, probably at a senior government level, with qualified professionals involved."

Garth Stouffer, Brandon, Manitoba Sun Newspaper

"In my 32 years in the professional fire service, your report is the most cogent and comprehensive analysis and presentation of facts in relation to life protection from fire that I have ever read."

James M. Brett, Fire Chief, Kingston, New York

"Few people in this world make a major contribution to the welfare of their fellow men in their lifetime. It has been a privilege for me to have met you. In my opinion, you are one of the few exceptional men that I have known. You are making a major contribution to the total community."

Joe Randall, Director of Planning & Inspection, City of Fresno, CA

"I would like to say that we invented the concept (a residential fire sprinkler system) but we didn't. Instead, we borrowed it from a gentleman by the name of Richard M. Patton."

Ronny J. Coleman, California State Fire Marshal and former President, International Association of Fire Chiefs

Patton Honored by Construction Industry for his 'Life Safety Sprinkler System'



Feb 9, 1972. Richard M Patton (right) is cited by Engineering News-Record. Patton was selected from engineers throughout the world for service to the construction industry.

For 100 years the design philosophy behind sprinkler systems was to protect property, not people. Patton's hydraulic engineering expertise enabled a dramatic reduction in the amount of water required by sprinkler systems. The resulting slashing in costs enabled sprinkler systems to be installed in most commercial buildings. Today, hundreds of millions of people throughout the world work in commercial buildings protected by sprinkler systems inspired by Patton's engineering concepts.

Patton revolutionized sprinkler systems for commercial buildings but argues that special interest groups have created regulations and fire codes to keep sprinkler systems out of the home. Because over 90% of all fire deaths happen in the home, Patton's Crusade Against Fire Deaths continues to fight for proper residential fire detection and sprinkler systems.

SEE NEXT PAGE FOR MORE DETAILS
ABOUT THE CRUSADE AND ITS FOUNDER
MR RICHARD M PATTON

