

Forensic Fire Investigation

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Fire Investigation Methodology

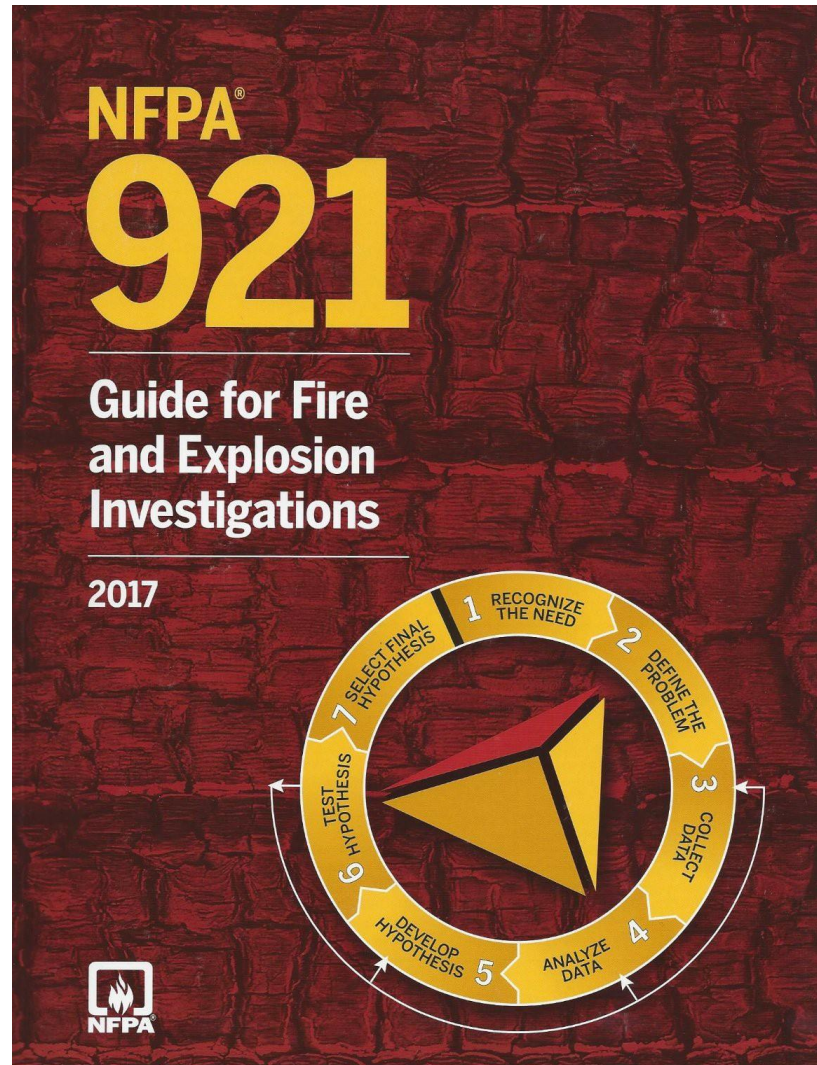
The Scientific Method



The Scientific method

- Aristotle (384-322 BC)
- Empirical method of acquiring knowledge
- NFPA 921 Guide for Fire and Explosion Investigations
 - A systematic approach.

NFPA 921 2017



Decision Logs

Fire Investigation Road Maps (FIRMs)



Fire Investigation Road Maps (FIRMs)

- Developed by Dr Peter Mansi (Partner FI-UK LLP)
 - PhD into Fire Investigation Methodology
- *"Because of the difficulty and complexity of a complete and accurate fire investigation, and the potential of mental preoccupations, there is a special need for every investigator to develop a comprehensive analytical approach to the task." DeHaan Kirk's Fire Investigation*

Myths & Legends

Media Influence on the understanding of fire



I was smoking when I brushed past my wife who had spilt a flammable liquid on herself





Defence – I just wanted to scare them, I did not expect this to happen





Osbourne Road Huddersfield



Philpott Fire Derby



I dropped a cigarette whilst asleep and woke up to find the bed on fire

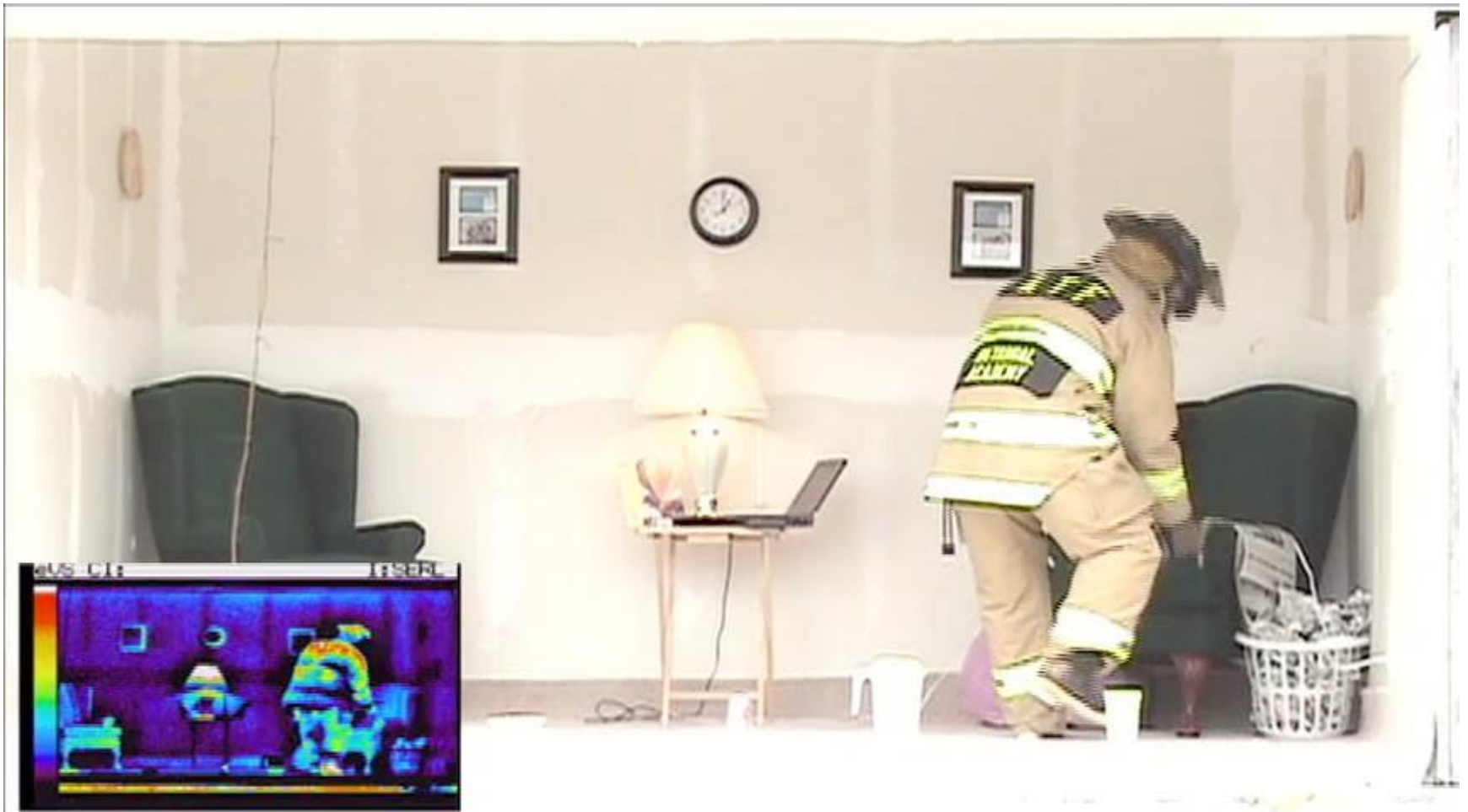


Prosecution– More than one seat of fire must be arson









NIST

**National Institute of Standards
and Technology
Technology Administration
U.S. Department of Commerce**

Questions

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