

Learning From Failure:

A Morality Tale in The Offing

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Classification of Disasters

- **Natural Disasters**

- *Earthquake, Tsunami, Fire, Flood*

- **Human Created & Societal Catastrophes**

- *Famine, Flood, War, Economic disasters*

- **Industrial & Engineering Disasters**

- *Chemical Plants, Rockets, Aircraft, complex engineering systems*
- *Nuclear Power Plant*



Why Accidents ?

• Natural Calamities

- Earthquakes, Tsunami

• Slip

in Design, Performance, Management, Environment

- Bhopal Chemical Plant, Mars Climate Orbiter

• Bounded Rationality

Knowledge Stretching, Inadequate Knowledge

- Comet Aircraft, Challenger space shuttle

• Complex Systems

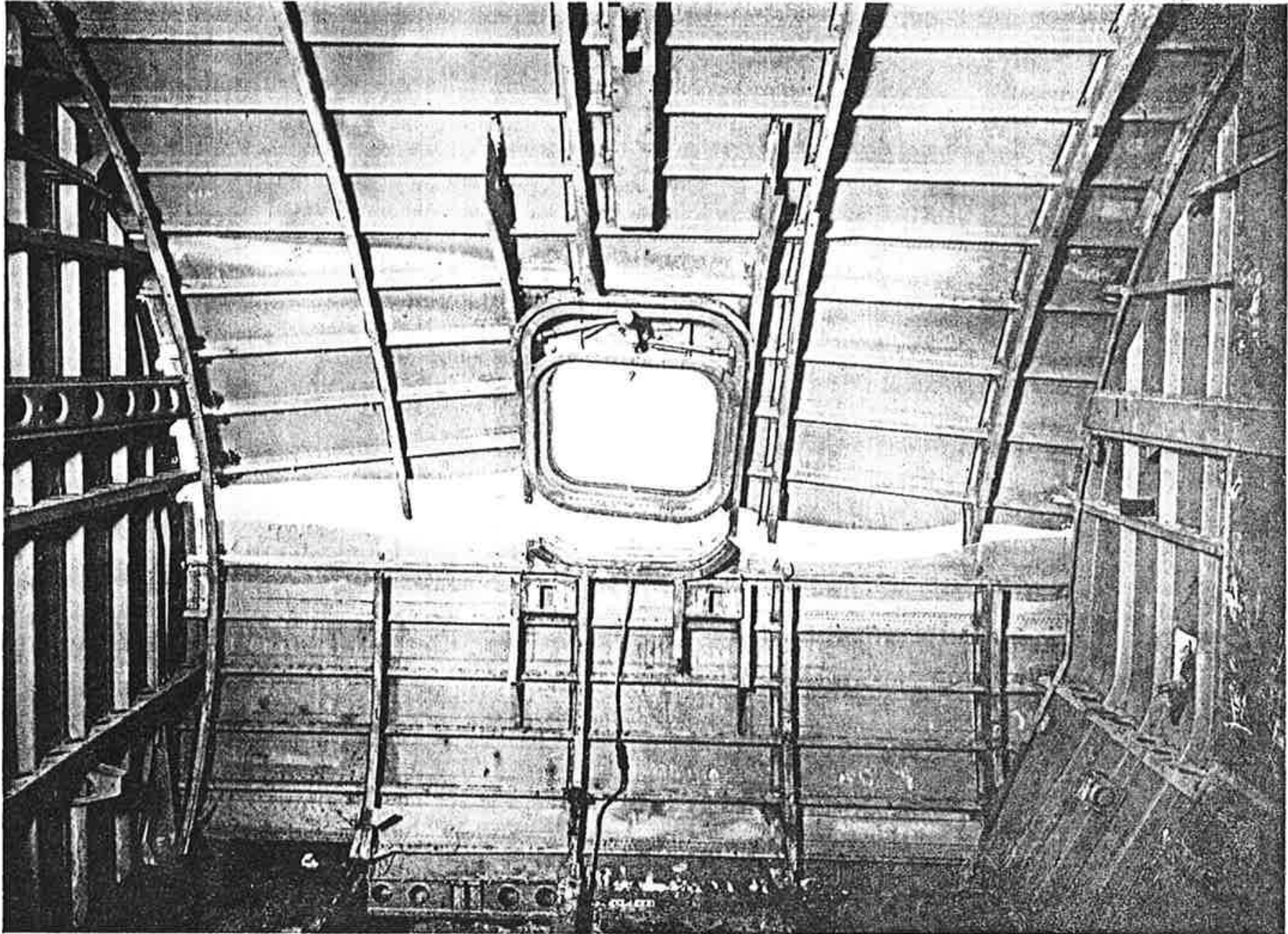
Lethal Combination of Individual System Failures

- Three Mile Island

• Economic Disasters

Financial and Marketing Collapse

- Trade Wars and Embargoes



Report of the Court Inquiry, 1954