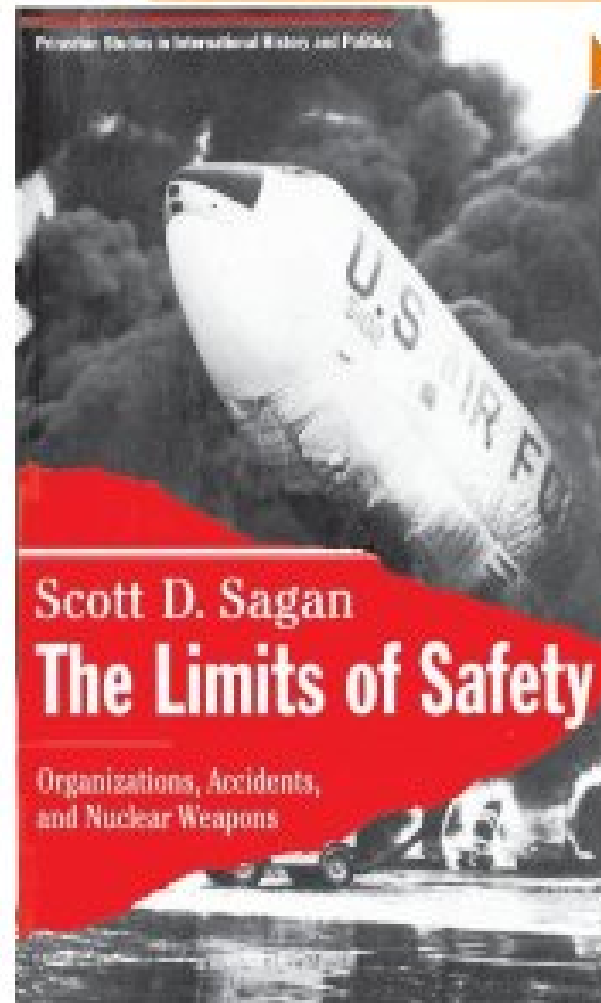


## Organization Accidents and Nuclear Weapon

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**LOOK INSIDE!**



# The Origin of Accidents

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— Accidental nuclear war  
is a very difficult to study

— Why?

— The need to study this field

— A useful place to start is to examine the cause of  
accidents and safety problems in other similar  
sociotechnical systems



# Organization Theory and Accident

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- Different Scholars have sought to examine, understand and then explain the success and failure in organizational safety
- Two most important schools of thought
- Safety and Reliability
- **High Reliability Theory:** Extremely safe operational organization
- **Normal Accident Theory:** Accidents are normal

# High Reliability Theory

- ❖ Optimistic View
- ❖ Leadership safety
- Objectives
- ❖ The Need of Redundancy
- ❖ Decentralization, Culture and Continuity
- ❖ Organizational Learning



# Normal Accident Theory

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- ❖ A much more pessimistic conclusion
- ❖ Treat an organization as some kind of rational actor
- ❖ Organized Anarchies and the Garbage Can Model
- ❖ Structure, Politics and Accidents
- ❖ Complex and Linear Interactions
- ❖ Tight and Loose Coupling
- ❖ Four Factor Revisited

## ❖ Conflicting Objective

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## ❖ The Perils Of Redundancy

## ❖ Decentralization, Culture and Continuity

## ❖ Restriction of Learning

Accidents are  
normal and  
inevitable



# Summary

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- ❖ Accidental Nuclear War is hard to study
- ❖ We can examine close calls and other similar organization to understand the issue
- ❖ Having a structured and well organized operational management system will help decrease the possibility of any future accidental nuclear war.

No Accidental

