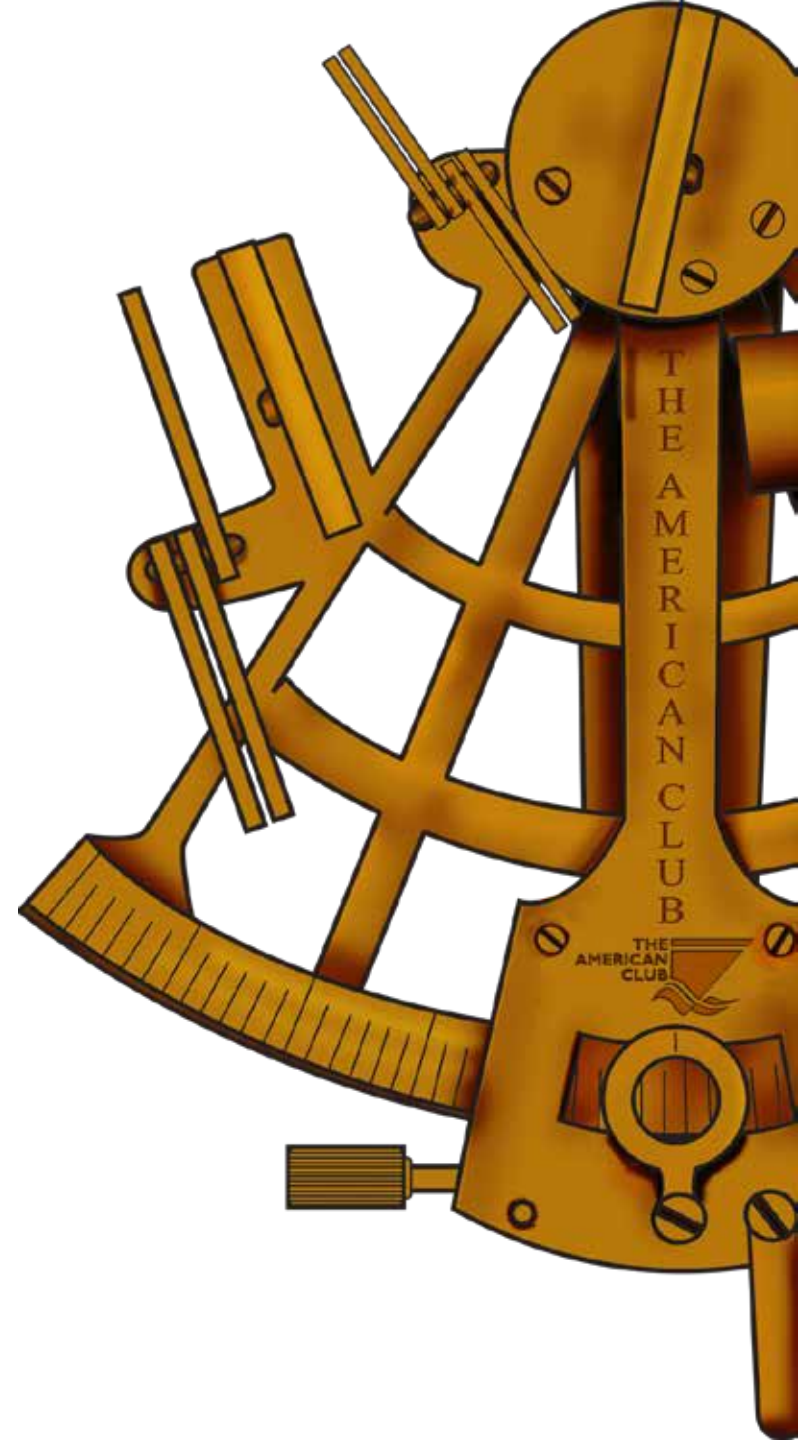




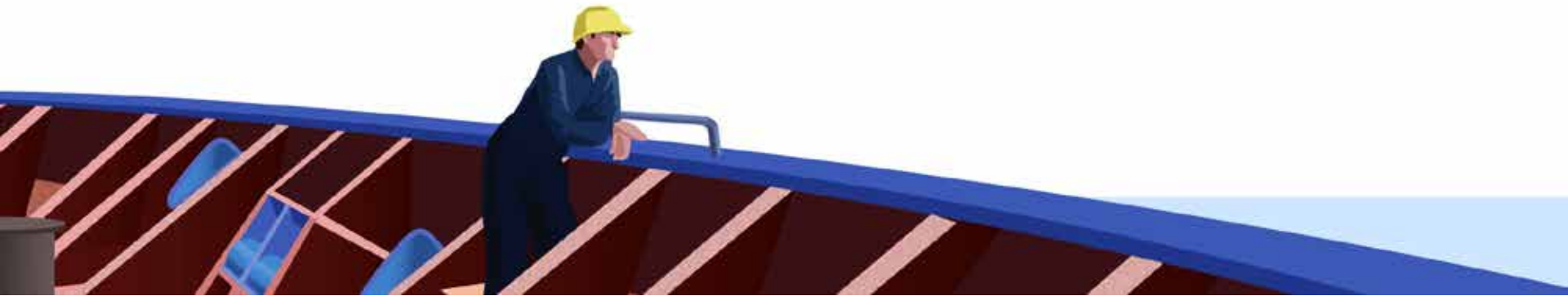
# Shipboard safety

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# Overview

- Shipboard safety resources and tools for Members
- Entry into enclosed spaces
- Pilotage
- Slips, trips and falls



# Resources and tools for Members

- Infectious diseases
- Piracy
- Liquefying Bulk Cargoes
- Club Circulars
- Entry Into Enclosed Spaces
- Carriage of steel cargoes
- Carriage of bagged rice
- Slips, trips & falls
- Sanctions compliance
- e-Learning tools
- Club Member Circulars/Alerts
- CURRENTS Magazine
- MARPOL/VGP training
- Pilotage
- Posters/comic pamphlets
- Pre-Employment Medicals
- Machinery damages
- Welcome to the USA
- Welcome to Greater China

<http://www.american-club.com/page/loss-prevention>

# Entry into enclosed spaces



## *A case study incident: Death of 3 crewmen*

- Vessel with log cargo bound for India from Indonesia stops in Singapore to bunker
- High level water alarm on bridge for cargo hold bilge no. 2
- Chief mate and 2<sup>nd</sup> officer on bridge at time
- Master informed of the alarm
- Master, chief officer and bosun went to investigate with concerns regarding flooding of no. 2 cargo hold

# Entry into enclosed spaces (cont.)

*A case study incident: Death of 3 crewmen* (cont.)

- Path to cargo hold no. 2 was through top of cargo logs on deck
- After 20 minute time period, an AB went to search for bosun in cargo hold no. 2 and shouted for him with no response
- 2<sup>nd</sup> officer raises alarm
- 2 ABs don Emergency Escape Breathing Devices (EEBDs) prior to entering hold
- Halfway down ladder, found one EEBDs broken

# Entry into enclosed spaces (cont.)

*A case study incident: Death of 3 crewmen* (cont.)

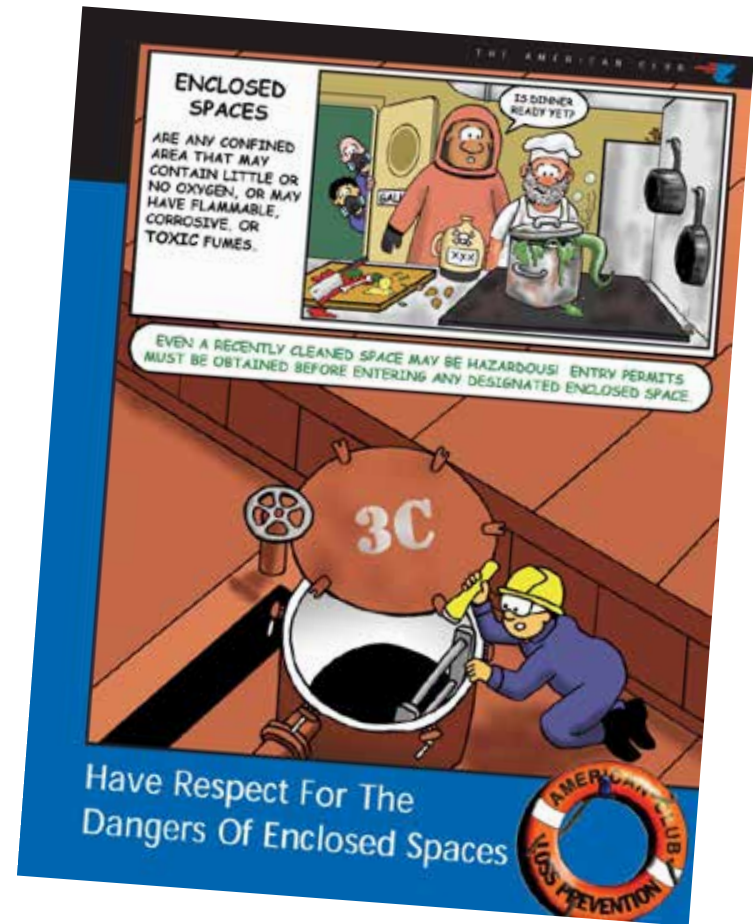
- ABs went up to change to functioning EEBD
- Found Master, chief mate and bosun unconscious
- No. 2 cargo hold had no ventilation at time of incident
- Master bleeding from his head as likely result of losing consciousness and falling
- All three men did not recover consciousness

**So many things done wrong and a completely avoidable incident!**



# Entry into enclosed spaces (cont.)

*American Club poster & safety pamphlet*



# Entry into enclosed spaces

Confined spaces are dangerous places for the badly trained, the unwary, the careless...

In this case, on a ship carrying coal, two men lost their lives and three others barely escaped with theirs.

## The Case of the Invisible Assassin

A new Case Study developed and produced by IDESS I.T.

A Quality Assured Product from



Ships are dangerous places for the badly trained, the unwary, the careless...

In this case, two seafarers were killed by almost nothing.

## The Case of the Silent Assassin

A new Case Study developed and produced by IDESS I.T.

A Quality Assured Product from





# Pilotage

- Approximately 50% of contact damage related incidents (grounding, collision, third party damage) while pilot aboard

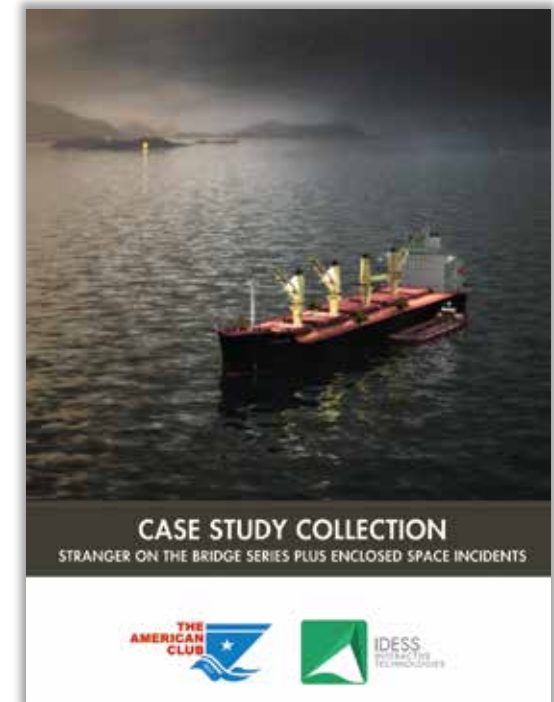


# Enclosed spaces & pilotage

- Available as part of the Club's e-Learning tools package at:

<https://secure2.idessonline.com/americanclub/facility/>

- Available on DVD set in English, Chinese and Russian
- Also can be loaded to flash drive
- Copies of DVDs and e-Learning tool access free to Members



# Slips, trips & falls

- Most common workplace injuries across all industries
- Common incidents to shipping are:
  - ü Man overboard
  - ü Falling from heights
  - ü Gangway falls
  - ü Trips in engine spaces
  - ü Slips in galley



# Slips, trips & falls (cont.)

- Contributing factors
  - ü Individual wellness and behavior
  - ü Housekeeping and environment
  - ü Supervision & management



# Slips, trips & falls (cont.)

- Periodically updated guidance found at:

<https://secure2.idessonline.com/americanclub/slips-trips-falls>

<http://american-club.com/page/man-overboard>

- Focus on both cargo and passenger ships
- Case studies and considerations for best practices
- Stay tuned... more case studies to follow!

# Thank you!

