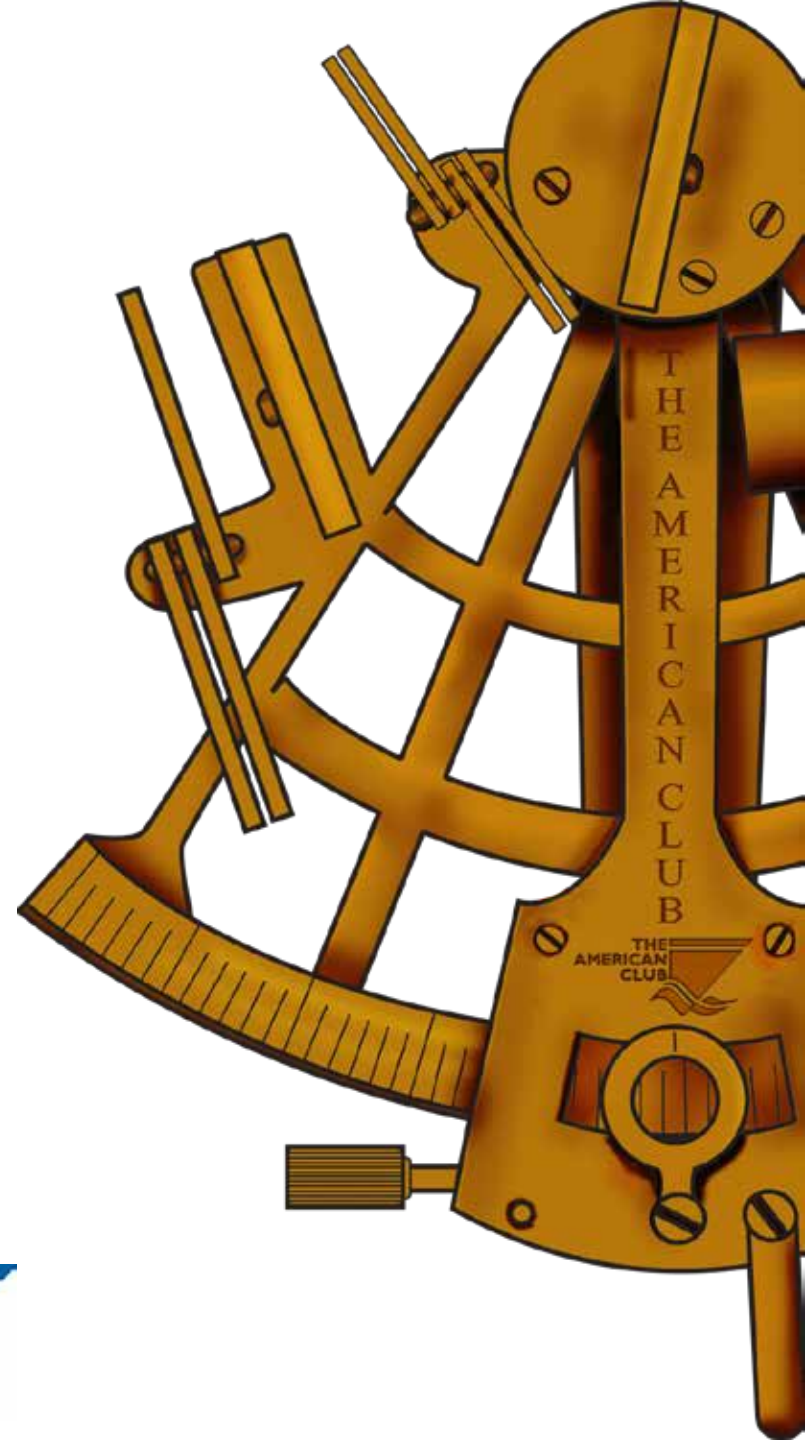




Silver Bell Maritime Forum
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Fatigue & Loss Prevention: A P&I Club's perspective

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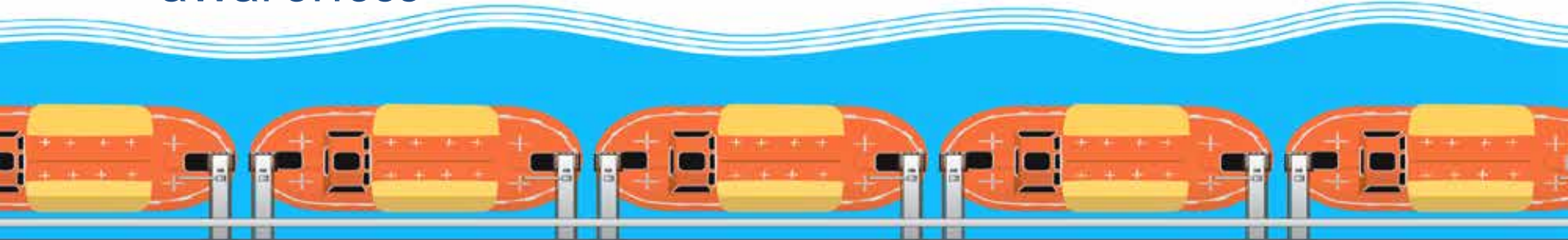
The American Club

- Shipowners' liability insurers
- Member of the International Group of P&I Clubs
- Shipowners liabilities for damage to cargo, pollution, death & injury, damage to fixed and floating objects and other third party property

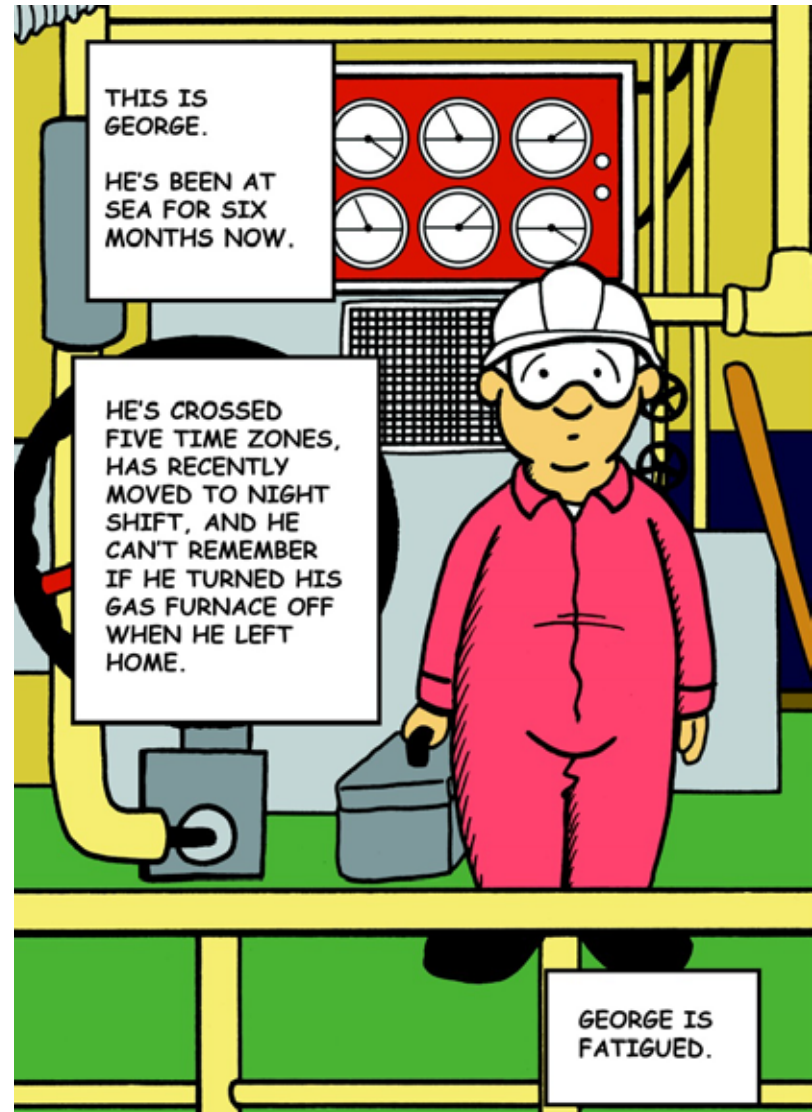


Claims profile: 2004 to 2016

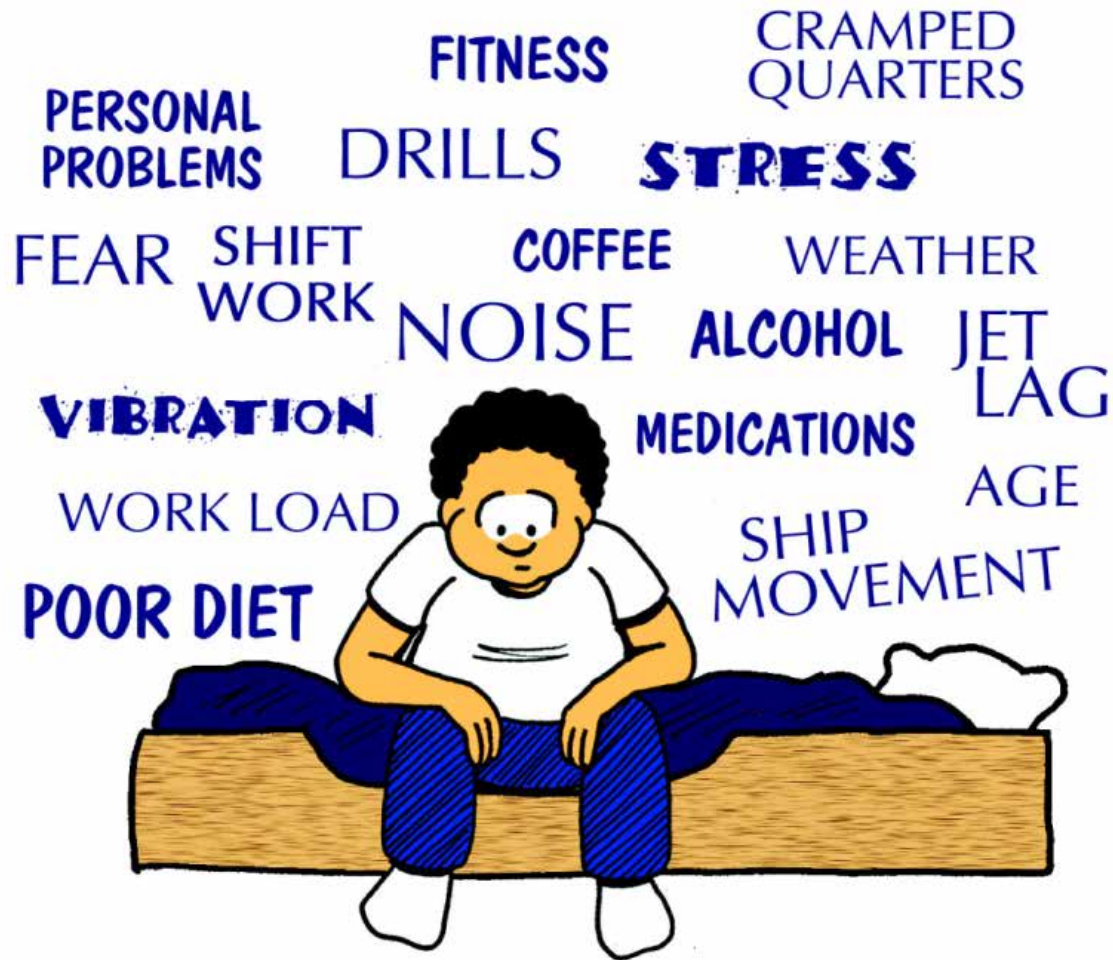
- 26,330 incidents/claims reported
- Number of cases reported reflecting “fatigue” as contributing factor or causation– **ZERO**
- Cases where we are aware fatigue was factor but not recorded– litigation, work hour issues and awareness



George is fatigued...



Some contributing factors to shipboard fatigue



Pillars of Quality Shipping



STCW and MLC 2006 now explicitly reference and take action related to concerns for "fatigue"

Addressing fatigue within industry

- STCW Convention (2010)

 - Standard watchkeeping personnel – hours of rest*

 - ü 10 hours rest per 24 hour period divided into no more than two periods
 - ü One daily rest period must be at least 6 hours in length
 - ü 10 hour rest and 6 hour consecutive rest period may be reduced but not beyond a two (2) day period
 - ü No less than 70 hours of rest in a seven (7) day period



Addressing fatigue within industry (cont.)

- STCW Convention (2010)

 - Personnel with safety and security duties – hours of rest*

 - ü 10 hours rest per 24 hour period divided into no more than two periods

 - ü One daily rest period must be at least 6 hours in length

 - ü 10 hour rest and 6 hour consecutive rest period may be reduced but not exceed 14 hours between rest periods

 - ü No less than 77 hours of rest in a seven (7) day period

 - ü Extended to two (2) weeks with restrictions



Addressing fatigue within industry (cont.)

- Maritime Labour Convention (2006)

Harmonized with STCW Convention regarding rest hours

- ü Maximum number of work hours:

- 14 hours for any 24 hour period; and
- 72 hours in any seven (7) day period

- ü Minimum number of rest hours:

- 10 hours for any 24 hour period; and
- 77 hours in any seven (7) day period

- ü At least one rest periods must be at least 6 hours in length, no more than 14 hours between rest intervals

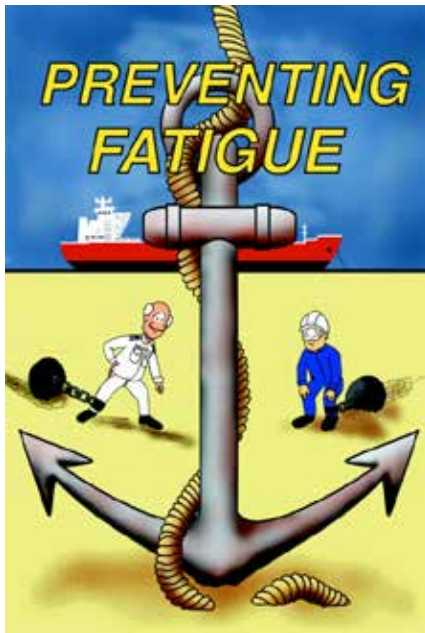
Addressing fatigue within industry (cont.)

- Matter addressed at the IMO in various capacities including Joint MSC/MEPC Working Group on the Human Element
- IMO *Guidelines on Fatigue* (2002)
- Criticisms from industry regarding the lack of “user friendly” nature of IMO *Guidelines on Fatigue*



American Club and Fatigue

- *Preventing Fatigue* (2004) published as seafarer's user friendly guide based on IMO Guidelines
- *Taking Control of Fatigue* poster



American Club and Fatigue (cont.)



- Physical fitness is a contributor to fatigue
- American Club's comprehensive Pre-Employment Medical Examination (PEME) program in force since 2004
- Most International Group P&I Clubs have enhanced PEME programs

Best way to prevent fatigue in the industry?



The **perfect** solution...

The dog is there to prevent man from touching anything. The man is there to feed the dog!

Addressing fatigue is a multi-dimensional effort



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



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Thank you for the attention

