

# Publications List and Services

2013–2014



# Essential resources for professionals

As an independent professional membership organisation the Institute strives, through its membership, to promote safer and more effective shipping practices worldwide, both at sea and ashore. To achieve this we have developed a range of products and services for our members, and for the wider industry.

In advancing best practice we have developed a series of publications that are recognised as setting out industry or navy standards. Rigorous peer review, which continues throughout the life of the publication, ensures the books are kept current.

Our members, many of whom are at sea or recently moved ashore, our committees and other elements of our governance process, all have an input into this method to ensure that best practice is available for the public good.

Services to our members are constantly under review, depending on what they tell us they need. Our current Strategic Plan, which runs until 2015, highlights several issues which the Institute is addressing. These include: piracy and maritime security; competency; crewing levels; recruitment and retention; evolving technology and criminalisation and fair treatment of seafarers.

As you browse the pages of this guide you will see that the publications strive to address most of these subjects. More projects are devoted to improving the lot of members; other areas and other services concentrate on industry-wide issues and professional development.

If you believe that any of these efforts are necessary, do become a member. You can join online at [www.nautinst.org](http://www.nautinst.org)

## Order online – the easiest way to order your books

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Details of all our publications are available

on our website. New books are being added to the catalogue constantly so check online for the latest publications news. Members are entitled to a 30% discount, so have your membership number to hand.

There are discounts available for bulk or fleet orders, for book sellers and for

training institutions. For that service you will have to contact the office direct, so we can verify your status. Email us at [pubs.admin@nautinst.org](mailto:pubs.admin@nautinst.org) in the first instance.

Carriage is to be added to all book prices.



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## NAVIGATION CONTROL SERIES



### Bridge Team Management Second edition

**Captain AJ Swift FNI**

An industry standard for passage planning, the guide covers practical coastal and estuarial navigation and bridge organisation for use on both paper and electronic charts. There is detailed information on preparing a navigational plan and navigator's notebook and ways to monitor progress in 'safe' water. Other chapters cover team management, error chains, casualties and causes, bridge organisation, passage appraisal, situational awareness and executing the plan.

Published: **2004** Price: **£35**  
ISBN: **978 1 870077 66 8** Ref: **0091**

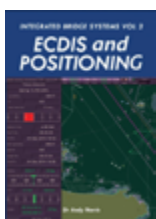


### Integrated Bridge Systems Vol 1 Radar and AIS

**Dr A Norris FNI**

From 2008 all new radars were required to display AIS information, and this book looks at the implications of integrating these functions. It explains how radar and AIS systems can be better integrated with overlay and underlay displays, to assist with decision-making on board. The author draws on experience as a leading designer and industry chairman in the international arena.

Published: **2008** Price: **£30**  
ISBN: **978 1 870077 95 8** Ref: **0307**



### Integrated Bridge Systems Vol 2 ECDIS and Positioning

**Dr A Norris FNI**

If you have little or no knowledge of electronic charts, this is a must-read. If you have some knowledge, this book will improve your understanding and approach to the use of electronic charts. If you have a good knowledge, the book's approach will make you think a little harder as to how ECDIS can improve standards of navigation. Written especially for mariners, this is guidance on how to develop the new mindset needed to use ECDIS safely and effectively. Over 100 full colour illustrations.

Published: **2010** Price: **£40**  
ISBN: **978 1 906915 11 7** Ref: **0321**

### The Admiralty Manual of Navigation Vol 1 The Principles of Navigation Tenth edition

**Lt Cmdr Alan Peacock FNI**

The Admiralty Manuals are recognised throughout the world and have become the leading authority on navigational knowledge and techniques. This edition includes the use of satellites and the display of navigational information on electronic charts. Theory is combined with practice so that safe and reliable operations can be learned. According to Admiral Sir Jonathon Band GCB ADC, First Sea Lord and Chief of Naval Staff, writing in the Foreword, the book will be "of benefit to all mariners on naval ships, commercial vessels or leisure craft."

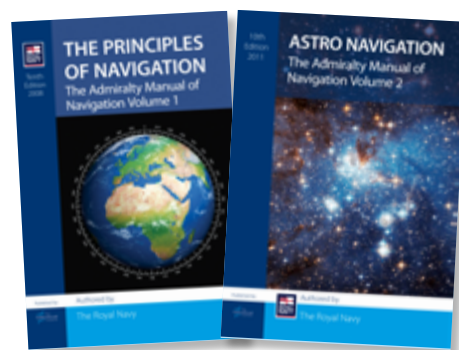
Published: **2008** Price: **£95**  
ISBN: **978 1 870077 90 3** Ref: **0309**

### The Admiralty Manual of Navigation Vol 2 Astro Navigation Tenth edition

**Lt Cmdr Alan Peacock FNI**

Modern navigators may not use celestial navigation very often, but STCW demands that seafarers are able to use these skills so that if the GPS goes down they will be able to navigate. This is therefore an essential volume to have on the bridge as backup. It is a practical working guide to the art and science of celestial navigation. The coverage of calculation methods makes this volume equally applicable to military and merchant navy officers and leisure users.

Published: **2011** Price: **£60**  
ISBN: **978 1 906915 30 8** Ref: **0328**



### Numerical Weather Prediction

A practical guide for mariners

**Huw Davies MSc MA MBA FInstLM**

Numerical Weather Prediction (NWP) has significantly improved the accuracy of weather forecasts and enabled the development of services specifically for mariners, including routing advice and forecasts as ECDIS overlays. This practical guide opens up the technology that now forms the basis of all modern weather forecasts so that mariners can recognise when they are being presented with NWP, establish its source and the characteristics and performance of the particular NWP model and make informed judgments on suitability and use.

Published: **2013** Price: **£30**  
ISBN: **978 1 906915 40 7** Ref: **0347**



## Bridge Watchkeeping

Second edition

Various authors

A practical self-study guide used by various companies throughout the industry for training bridge watchkeepers and enhancing understanding of the reasons for checking, monitoring, recording and controlling. This book examines preparing for sea, watchkeeping in pilotage waters, watchkeeping in coastal waters, making a landfall, anchoring and anchor watches, watchkeeping in reduced visibility, taking over the watch, calling the Master and responding to emergencies.

Published: **2003** Price: **£35**  
ISBN: **978 1 870077 17 0** Ref: **0100**

## Collisions and their Causes

Captain RA Cahill FNI

Over 90 court and inquiry cases are examined and described from court proceedings and other authoritative sources. The author uses his professional experience to explain the significance of the lessons learnt. The accidents are considered in the context of the relevant rule. A teaching text of great practical value, the book examines incidents and includes nearly end on, restricted visibility, forestalling close quarters in restricted visibility, and the role of VHF and harbour radio.

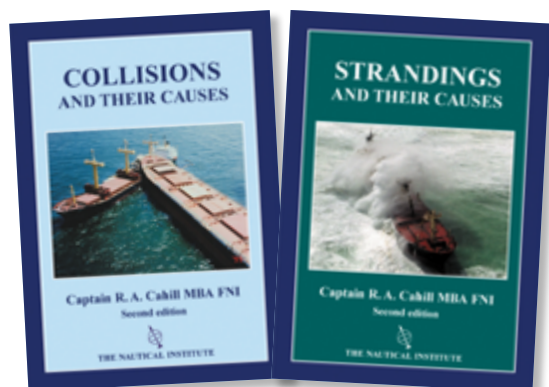
Published: **2002** Price: **£60**  
ISBN: **978 1 870077 60 6** Ref: **0268**

## Strandings and their Causes

Captain RA Cahill FNI

This book examines incidents through the written records of court cases and inquiries and covers the *Torrey Canyon*, negligent navigation, casual attitudes and their consequences, neglect of fundamentals, unanticipated landfall, casualties at anchor, stranding and salvage, loss of propulsion, inadequate manning, seaworthiness, inadequacies of passage planning, risk analysis, Master/pilot relationship, approaching pilot stations and who has the conn.

Published: **2002** Price: **£50**  
ISBN: **978 1 870077 61 3** Ref: **0269**

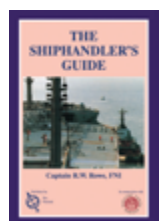


## Managing Collision Avoidance at Sea

Captain GWU Lee MNI and CJ Parker OBE FNI

Collision avoidance as a vital element of ship safety should be recognised in company instructions and Masters' standing orders. Safe strategies are outlined with case studies to help improve collision avoidance practice at sea by examining the ways watchkeeping officers make decisions. Includes managing navigational risk, collision avoidance measures for effective control, applying the COLREGS, ship manoeuvring and collision avoidance.

Published: **2007** Price: **£35**  
ISBN: **978 1 870077 86 6** Ref: **0299**



## The Shiphandler's Guide

Captain RW Rowe FNI

The skill of a good shiphandler should never be under-estimated. This practical guide explains the way forces act on a moving hull so that a ship can be controlled effectively in confined waters. It is aimed at pilots, Tug Masters, Shipmasters and navigating officers. The text covers the pivot point, slow speed control, transverse thrust, turning, effect of wind, dredging anchors, interaction, effect of tide, bow thruster work, special propellers and rudders, twin screw work and tugs in shiphandling.

Published: **2000** Price: **£35**  
ISBN: **978 1 870077 35 4** Ref: **0222**

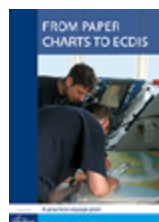


## The Use of Visual Aids to Navigation

Second edition  
Commodore David Squire CBE FNI FCMJ

The advance of technology has changed the development of, and reliance on, visual aids to navigation but they continue to be vital tools for mariners to assess and verify their position. They provide situational awareness and orientation, indicate current flow and afford redundancy for electronic systems. They also highlight individual dangers such as wrecks, rocks and shoals. The book updates an original report issued in 2003 and evidence compiled during the original consultation and as part of the updating is included.

Published: **2013** Price: **£20**  
ISBN: **978 1 906915 29 2** Ref: **0334**



## From Paper Charts to ECDIS

A practical voyage plan

Captain Harry Gale FNI

This second edition recognises that practical guidance on equipment, training and operational practices is now urgently needed. Everything necessary to manage this fundamental change is covered, and theoretical knowledge is made real through contributions from seagoing members of The Nautical Institute. Best practice is encapsulated in the industry recommendations for ECDIS training and familiarisation.

Published: **2013** Price: **£20**  
ISBN: **978 1 906915 17 9** Ref: **0350**

## TUGS



### Tug Use Offshore, in Bays and Rivers

**Captain George H Livingstone MNI and  
Captain Grant H Livingstone MNI**

This book sets out the practices which are used to handle tug barge systems in port and at sea.

The main focus concerns operations on the west coast of the USA and Canada. However, the hard lessons learnt there will transfer into other areas around the world, making this book a valuable source of reference for tug operators generally. It is used as a text book for USCG qualifications.

Published: **2006** Price: **£40**  
ISBN: **978 1 870077 74 3** Ref: **0290**



### Tug Use in Port Second edition

**Captain H Hensen FNI**

The standard work on harbour towage. Tug operators in many countries were contacted to ensure wide-ranging text. The International Tugmasters' Association said: 'This is the definitive work on the subject, and should be on every tug and in every office ashore; simply brilliant!' It covers design factors, tug types, towing methods and the capabilities and limitations of each tug type, before looking at bollard pull requirements, interaction and safety.

Published: **2003** Price: **£60**  
ISBN: **978 1 870077 39 2** Ref: **0226**

## ICE NAVIGATION

### Handling Ships in Ice

**Captain J Buysse MNI**

This is a practical guide to handling class 1A and 1AS ships in ice conditions in the Baltic and St Lawrence seaways. With global warming opening up ice-bound areas for longer periods, there is a growing demand for ice-class ships and Masters, officers and pilots to navigate them. This is a text on extreme seamanship, demonstrating the difficulties of navigating in ice and the precautions needed for safe passage. Chapters include voyage preparation, in ice at sea and navigating in fairways.

Published: **2007** Price: **£30**  
ISBN: **978 1 870077 84 2** Ref: **0301**



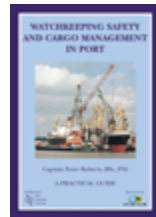
### Polar Ship Operations

**Captain Duke Snider FNI**

Interest in the Polar Regions is growing as the season for accessing these remote and hostile areas is lengthening. Operating ships within any ice regime requires knowledge, skills and different awareness beyond that of many mariners. Multi-year and glacial ice are much harder than first-year ice and there is little assistance available, so mariners must be self-sufficient. Captain Snider brings the full benefit of his extensive experience in polar shipping and as a highly qualified ice navigator to describe the human, technical, environmental and operational challenges of the Polar Regions.

Published: **2012** Price: **£30**  
ISBN: **978 1 906915 18 6** Ref: **0330**

## SHIPPING MANAGEMENT SERIES

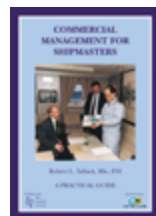


### Watchkeeping Safety and Cargo Management in Port

**Captain P Roberts BSc FNI**

It is all too easy to lose money in port; this practical guide is aimed at junior officers so they don't. It covers arrival, mooring, safety, taking over the watch, commercial documentation, break bulk operations, bulk carriers, container ships, reefers, tankers, ballast operations, stress and stability, cargo condition and quantity, ship's services, pollution, securing cargo, keeping records and departure.

Published: **1995** Price: **£60**  
ISBN: **978 1 870077 29 3** Ref: **0116**



### Commercial Management for Shipmasters

**RL Tallack BSc FNI**

The efficient operation of ships requires a high level of management skill and commercial awareness. This book aims to link the two. It covers owner, Master and the vessel; management; budgets and management information systems; terms of trade and bills of lading; legal framework for contracts of carriage; charterparties; the Master's role as manager; marine insurance; contracts for purchasing supplies and services; managing a technical cost centre; and a changing approach to safety.

Published: **2000** Price: **£50**  
ISBN: **978 1 870077 33 0** Ref: **0224**



## Commercial Management in Shipping

**DL Dykstra MSc MNI**

This book covers three key themes: competent handling of contracts, accurate calculation of voyage costs and effective commercial communication with commercial interests ashore and sea staff. Essential

guidance for Shipmasters covers the position of the Master in both statutory and commercial law, budgets, management techniques, the shipowner's representative, making decisions, terms of trade, commercial documentation, contracts, supplies, services, safety, pollution prevention and managing a cost centre.

Published: **2005** Price: **£50**

ISBN: **978 1 870077 69 9** Ref: **0285**



## Waves of Change

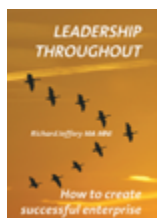
**Dr JE Robinson**

This book aims to examine the potential for innovation in shipping through the application of advanced communications and information technology. It concludes that the shipping industry has been ill served by the level of

communication capability available in current satellite and ground communication systems. The book looks at emerging technologies, the development of learning organisations, and scenario planning to enhance commercial decisions.

Published: **2007** Price: **£20**

ISBN: **978 1 870077 82 8** Ref: **0297**



## Leadership Throughout

**R Jeffery MNI**

This practical guide looks at leadership in modern multicultural organisations with direct relevance to seafaring. Leadership is examined through five incremental steps: encourage awareness, provide direction, share information, create a positive atmosphere and coordinate action. This approach can successfully enhance the leadership skills of individuals, promote enterprise in small organisations, improve operational performance on board and considerably motivate those in large corporations.

Published: **2007** Price: **£20**

ISBN: **978 1 870077 859** Ref: **0300**



## Managing Risk in Shipping

Directed towards senior managers, including Shipmasters, across all shipping activities, this book examines techniques and demonstrates how risk management can be applied. The underlying philosophy contained in the text is that managers have a responsibility to identify hazards, carry out risk assessment and control risks. By doing so their organisation will be less exposed to risks and in the long term will be more secure and profitable. It covers risk management in companies, in transit, on board ship and in port, marine insurance and legislation.

Published: **1999** Price: **£30**

ISBN: **978 1 870077 48 4** Ref: **0247**

## The Mariner's Role in Collecting Evidence

Third edition

**Dr P Anderson BA (Hons) DProf FNI**

A vital publication for Masters and other officers examining the way evidence is collected and recorded for use in making or defending maritime claims. There is a sobering section on how evidence will be used in a court of law and the impact on criminal prosecutions. Practical advice is given on processes, due diligence, the doctrine of privilege, taking statements, dealing with the media and giving evidence. The Master's role is crucial and may influence the outcome of the dispute.

Sold with a handbook, authored by the North of England P&I Association, which summarises the important points and provides checklists. A DVD is also available.

Book published: **2006** ISBN: **978 1 870077 76 7**

Handbook published: **2010** ISBN: **978 1 906915 13 1**



Price (both): **£45** Ref (both): **0292**

DVD price **£100 plus VAT** ISBN **978 1 870077 05 7** Ref: **0323**



## Managing Safety and Quality in Shipping

**A-M Chauvel**

The author argues that a shipping company can become more competitive only if it is able to offer safe and reliable service. This book offers the first comprehensive overview of the way modern

management techniques can be applied in shipping to improve economic performance. The book details the concept of the ISM Code and describes how to achieve continuous improvement. It covers implementation of the ISM Code, implementation of quality standards and total quality management.

Published: **1997** Price: **£20**

ISBN: **978 1 870077 40 8** Ref: **0229**

## MAJOR REFERENCE WORKS



### Stability Trim and Strength in Merchant Ships and Fishing Vessels

Second edition

**IC Clark MSc FNI Master Mariner**

This book is a major reference work for the international shipping industry. It is a useful source of reference for sea staff and fleet managers who need a deeper understanding of stability and strength to meet operational and survey requirements than is taught for certificates of competency. Its interdisciplinary character makes it a standard for student naval architects and ship design engineers.

Published: **2008** Price: **£70**  
ISBN: **978 1 870077 87 3** Ref: **0267**



### Bulk Carrier Practice

Second edition

**Captain Jack Isbester ExC FNI MCMS**

This fully updated second edition is aimed at enhancing the safety and efficiency of bulk carriers and their crews. Robert Lorenz-Meyer, President and Chairman BIMCO, said in the Foreword: "Anyone in the bulk carrier industry will benefit from reading *Bulk Carrier Practice*. It deserves to be on the bookshelf on the bridge of all bulk carriers, and in the offices of all bulk carrier operators." The CD contains details of a serving modern bulk carrier.

Published: **2010** Price: **£125**  
ISBN: **978 1 906915 10 0** Ref: **0320**



### The Shipmaster's Business Companion

Fourth edition

**Malcolm Maclachlan FNI**

Recommended by the UK Maritime Administration (MCA), this book contains the essence of shipping law and practice, both regulatory and commercial. Masters and owners need to fully understand their legal obligations. Offering guidance to prepare correct procedures, this is one of the few books that gives Shipmasters the whole picture.

Published: **2004** Price book and CD: **£80**  
ISBN: **978 1 870077 45 3** Ref: **0236**

CD and index only: Price: **£55** ISBN: **978 1 870077 64 4** Ref: **0276**



### The Shipmaster's Business Self-Examiner

Ninth edition

**Malcolm Maclachlan FNI**

This popular guide to the ever-increasing jungle of maritime regulation and procedures is written by a former Shipmaster and ex-maritime college lecturer with over 25 years experience in preparing students for MCA examinations.

Designed primarily as a study aid for Master's Orals, the book is also used by OOW and Chief Mate students and has drawn the praises of many successful "Orals" candidates in the UK and overseas.

Now a standard reference volume in nautical college libraries, widely used in classrooms, a handy reference for serving Shipmasters, for ships' libraries, useful to shore superintendents, ship operators and all who want to keep up to date with the frequent and bewildering changes in merchant ship regulation and commercial practice. More than 3,600 questions and answers are set out in nine logically-arranged sections.

Published: **2013** Price: **£35**  
ISBN: **978 1 906915 44 5** Ref: **0348**



### Hatch Cover Inspections

**W Vervloessem FNI**

This book is an authoritative and superbly illustrated guide to hatch cover surveys and inspections. It contains a large selection of photographs of hatch covers – over 400 – and is an indispensable guide for inspectors, surveyors, fleet managers, P&I clubs and others concerned with claims. Includes photographs of all the main hatch types, photographic evidence of good condition, plus evidence of defects and deficiencies, and a special section on hatch testing including ultra-sound techniques.

Published: **2003** Price: **£75**  
ISBN: **978 1 870077 62 0** Ref: **0275**



### Mooring and Anchoring Ships Vol 1 Principles and Practice

**IC Clark MSc FNI**

This well-researched book sets out to explain the principles involved when ships use lines and anchors to hold them in place. The particular value of this book lies in the illustrations and the seamanlike text which is based on theoretical principles but explained in a practical way. The Foreword is written by the former Secretary General of the IMO, Efthimios Mitropoulos, and the book is supported by the major international associations concerned with ship operations.

Published: **2009** Price: **£75**  
ISBN: **978 1 870077 93 4** Ref: **0305**



## Mooring and Anchoring Ships Vol 2 Inspection and Maintenance

**W Vervloesem FNI**

This is the most comprehensive survey into mooring equipment yet undertaken and the results are essential information for surveyors, inspectors and ship operators concerned with proper use and maintenance. The book demonstrates, with the use of photographs, appropriate and inappropriate use of mooring equipment. The author draws on his picture library from over 1,000 ship visits to show how lack of awareness and knowledge can lead to unsafe practices. Different components of mooring systems are described and the consequences of correct and incorrect use shown.

Published: **2009** Price: **£75**  
ISBN: **978 1 870077 94 1** Ref: **0306**

The two volumes complete a major study into the subject of mooring and anchoring which has been supported by the International Chamber of Shipping. The books will be essential for use on board; for fleet managers concerned with specifications, procedures and maintenance; naval architects and design engineers planning layouts and power requirements; port operators; trainers ashore and afloat; and marine administrations and classification societies concerned with surveys and inspections.

Vol 1 and Vol 2 together: Price: **£130**  
ISBN **978 1 906915 03 2** Ref **0317**

## SAFETY AND SECURITY



### Maritime Security: A practical guide

Second edition

**Steven Jones MSc BSc (Hons) MNI**

Masters, company and ship security officers have a pivotal role in making vessels secure. This book is aimed at those responsible for vessel crews, cargoes and the ships themselves. It will help in the development of the ship security plan and explain how to make a vessel truly secure. Explanation is given of the principles underpinning maritime security and guidance on putting those principles into practice, including the ISPS Code, advising on management systems that will ensure compliance with legislation. It is a practical guide – examining the ways to ensure there is no complacency in the execution of security plans, the use of armed guards and other issues of interest to all those involved in keeping ships safe from pirates, terrorists and other criminals.

Published: **2012** Price: **£40**  
ISBN: **978 1 906915 45 2** Ref: **0341**

### Maritime Security handbook: coping with piracy

**Steven Jones MSc BSc (Hons) MNI**

The first handbook in The Nautical Institute's maritime security suite complements the author's 2012 book *Maritime Security: a practical guide*. It takes the same practical approach to preparation and training before entering a high risk area, self-protection measures while within it and survival strategies if taken hostage. The focus is on the people who have to cope with piracy and the comprehensive approach that is needed to put them first both onboard and ashore. This includes guidance on the effective implementation of the industry's Best Management Practices, the onboard implications of taking on armed guards, building a disciplined and supportive onboard team and ensuring immediate action ashore should the worst happen.

Published: **2013** Price: **£20**  
ISBN: **978 1 906915 46 9** Ref: **0342**

### Maritime Security handbook: stowaways by sea

**Steven Jones MSc BSc (Hons) MNI**

The second handbook in The Nautical Institute's maritime security suite takes the same practical approach to making a vessel secure against stowaways, managing any that have succeeded in getting onboard, collecting the necessary evidence and organising the repatriation process. Improvements in security have not reduced the number of stowaways or the number of incidents and it is seafarers who have to cope with the extra work, delay, uncertainty and possible violence. Preparation and training are needed both onboard and ashore and the handbook covers who stows away and why, how trading patterns affect risk, the responsibilities of all parties involved in a stowaway incident and the importance of reporting

Published: **2014** Price: **£20**  
ISBN: **978 1 906915 47 6** Ref: **0343**







## Casualty Management Guidelines

The Nautical Institute in association with the International Salvage Union

Casualties are not straightforward and mariners who find themselves involved in them rarely have previous experience. These comprehensive practical guidelines will help seafarers during a casualty when demands can be confusing, contradictory, unclear or a combination of all three. Masters and crew members are told what to expect from people or organisations that might be involved as the casualty unfolds. Chapters are presented in a largely chronological order of how Masters should expect to deal with different people, from owners to government officials, insurance representatives and salvage experts. It will give all involved an idea of the job each may be undertaking, together with priorities and responsibilities.

Published: **2012** Price: **£20**  
ISBN: **978 1 906915 39 1** Ref: **0336**

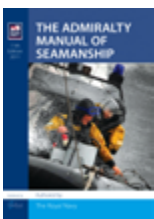


## Safety Management and its Maritime Application

Professor Chengi Kuo

Safety is primarily related to human factors, and the book emphasises the need to manage risks and avoid hazardous situations in a proactive way. The book compares the typical prescriptive way shipping is legislated for and the alternative approach adopted in the offshore sector through the use of safety cases. It provides a step by step approach to practical safety management within the context of the ISM Code. It will be useful to students and experienced practitioners seeking greater awareness of complementary practices.

Published: **2007** Price: **£30**  
ISBN: **978 1 870077 83 5** Ref: **0298**



## The Admiralty Manual of Seamanship

Eleventh edition

Vic Vance

The fundamental principles of good seamanship are unchanging, whatever technology is introduced. There is much that will be of relevance to merchant and naval training schools and all those in pursuit of STCW qualifications, covering new advances in safety equipment and procedures in survival. It is closely aligned with the UK's Maritime and Coastguard Agency (MCA) examination syllabuses and is used by the MCA as a standard reference.

Published: **2011** Price: **£95**  
ISBN: **978 1 906915 33 9** Ref: **0331**



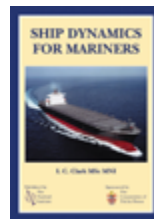
## The Mariner's Guide to Marine Communications

Second edition

I Waugh

Aimed at watchkeeping officers and those aspiring to their GMDSS certificates, this practical and concise guide takes the reader through a typical voyage and all the communication routines which will be required, both for safety and commercial reasons. Crew calls are covered and examples of costings are given. Regulations, satellite and land-based radio systems, distress, emergency and safety communications inspections are covered.

Published: **2007** Price: **£40**  
ISBN: **978 1 870077 78 1** Ref: **0263**



## Ship Dynamics for Mariners

IC Clark BSc MSc FNI

This well illustrated and thoroughly researched book covers the subject of ship motion and can be considered the foundation of modern seamanship; it is valuable to Masters, officers, pilots, managers and naval architects. This book examines the underlying principles behind hydrodynamic ship design and covers water flow, propulsion, steering, manoeuvrability, interaction, vibration, dynamic positioning and motion in a seaway.

Published: **2005** Price: **£55**  
ISBN: **978 1 870077 68 2** Ref: **0282**



## Modern Watchkeeping and the Human Element

DVD of the international conference held in Delhi in December 2008. An essential information source and training aid for all those interested in issues such as the quality ship, bridge procedures, accident avoidance and all human factors in operations and training.

Published: **2009** Price: **£60 plus VAT**  
ISBN: **978 1 870077 99 6** Ref: **0313**

See also the previous conference proceedings, Optimising Manning and Technology.

DVD published: **2005**  
Price: **£50 plus VAT** Ref: **0283**

# MARITIME EDUCATION AND TRAINING

Certificates – Diplomas by Distance Learning

The Nautical Institute's **Command Partnership Scheme**, which enables aspiring chief officers to prepare for command, is currently being revised. The scheme is designed primarily for use by companies but individuals can also apply direct to The Nautical Institute. A diploma is awarded for the successful completion of the record book and a major project.

A new edition of **Command** is in preparation to support the introduction of the new scheme, which is expected to be launched in 2014.



## A Square Rig Handbook

Second edition

**Frank Scott FNI RN (Retd)**

Aimed at the sail training sector, this practical handbook explains how the introduction of new materials has influenced design and operation. Advice is given on voyage planning, operations and safety. The different training and equipment needs for vessels with modern technology, rather than those constructed to traditional design, is covered. It is aimed at those who serve, or wish to serve, as Master, mate or boatswain in a square rigger or large fore-and-aft schooner.

Published: **2001** Price: **£35**  
ISBN: **978 1 870077 11 8** Ref: **0079**

**The Nautical Institute's Square Rig scheme is being revised to include all tall ships and a new publication to support this scheme is now under preparation.**



## The Work of the Harbour Master

Third edition

**The Nautical Institute in cooperation with the International Harbour Masters' Association**

The book is linked to the Institute's self-study scheme leading to a Harbour Master's Certificate. It explains the different responsibilities that vary between ports and shows, from the experience of Harbour Masters from different types of ports all over the world, examples of what new entrants to the industry may encounter. Different aspects of the role are examined, largely following the course of a vessel as she approaches port until she berths, including the commercial pressures that may be brought to bear. It is an ideal bridging course for those thinking of a career move ashore.

Published: **2012** Book price: **£30**  
ISBN: **978 1 906915 02 5** Ref: **0332**  
Scheme and book price: **£90**  
ISBN: **978 1 906915 40 7** Ref: **0333**



## A Simulation Instructor's Handbook

**Jillian Carson-Jackson FNI**

This handbook has been developed after years of simulator training experience and discussion with simulation instructors. Simulation is a valuable resource, and it is used increasingly in training, but what about training the trainer? Specialised training on integrating simulators into teaching is not always available. The book is a resource for instructors, or those aspiring to be instructors, who are expected to design and implement simulation training and who may lack information on how to achieve this. The handbook will promote discussion and further development for simulation instructor training.

Published: **2010** Price: **£10**  
ISBN: **978 1 906915 16 2** Ref: **0327**



## Mentoring at Sea

The 10 minute challenge

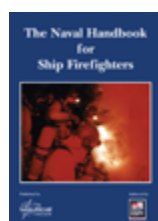
**Captain André L Le Goubin MA FNI**

Anyone can be a mentor at sea and anyone can need mentoring – and it only takes 10 minutes to get started. This book explains how knowledge gained through experience, and then reflected upon, can be passed on in an informal but purposeful way. Every suggestion will take no more than 10 minutes to carry out but incorporating opportunities for mentoring into the daily onboard routine will widen and consolidate the on-the-job experience of those progressing through the ranks. It will also improve communications and enhance team-building and hopefully lead to a reduction in accidents and incidents.

This practical guide sets the 10 minute challenge for potential mentors and candidates to identify concerns and practical solutions.

Published: **2012** Price: **£30**  
ISBN: **978 1 906915 48 3** Ref: **0346**

# HANDBOOKS



## The Naval Handbook for Ship Firefighters

Fire at sea is one of the most dangerous hazards. This handbook complements training given to naval firefighters, covering safety, correct principles and use of equipment, types of fire and emergency response. The last chapter, contributed by The Nautical Institute and written by FGM Evans FNI GFire E, examines the hazards on commercial vessels, particularly cargo fires. The handbook provides a refresher for drills and exercises and is a valuable guide for training.

Published: **2006** Price: **£25**  
ISBN: **978 1 870077 72 9** Ref: **0293**

## DIGITAL PUBLICATIONS

Available in pdf format.

For details contact [pubs.admin@nautinst.org](mailto:pubs.admin@nautinst.org)

### Conference and Seminar Proceedings

#### Navigating the Future – with special reference to Information Technology

Published: 1997 Price: £20 ISBN: 978 1 870077 46 0 Ref: 0235

#### Signing Bills of Lading

Published: 1990 Price: £20 Ref: 0063

#### Seaworthiness and the ISM Code

Published: 2005 Price: £20 Ref: 0287

#### Master Jack of All Trades

Published: 1999 Price: £20 Ref: 0253

#### Training Future Watchkeepers

Published: 1998 Price: £20 Ref: 0241

#### Squat, Interaction Manoeuvring

Published: 1995 Price: £20 ISBN: 978 1 870077 25 5 Ref: 0115

### The Mariner and Maritime Law Series

#### Collisions

Published: 1993 Price: £20 Ref: 0095

#### Fire On Board

Published: 1998 Price: £20 Ref: 0242

#### Personal Injury

Published: 1995 Price: £20 Ref: 0117

#### Pollution

Published: 1996 Price: £20 Ref: 0223

#### Salvage

Published: 2002 Price: £20 Ref: 0272

#### Seaworthiness

Published: 1993 Price: £20 Ref: 0086

#### Unsafe Berths and Ports

Published: 1991 Price: £20 Ref: 0076

### Law series

#### Maritime Law in the United States

Published: 1996 Price: £20 ISBN: 978 1 870077 38 5 Ref: 0225

#### UN Convention on the Law of the Sea

S Haines MA PhD FRGS FNI Royal Navy

Published: 1995 Price: £20 Ref: 0112

### Miscellaneous

#### Anchoring Large Vessels – a new approach

Captain CA McDowall MSc CEng MIMechE MRINA FNI

Published: 2000 Price: £20 ISBN: 978 1 870077 56 9 Ref: 0258



### The Naval Handbook for Survivors

Abandoning ship is a team effort and this classic handbook is designed to complement the training given to naval personnel for the 25-person liferaft. It covers evacuation, inflation, equipment, communications, search and rescue, survival techniques, what to do when landing in remote areas, how to collect water and avoid heat stroke or hypothermia. This book is issued to all Royal Navy seagoing personnel and has been made available to The Nautical Institute to promulgate the naval experience.

Published: 2007 Price: £20

ISBN: 978 1 870077 79 8 Ref: 0296



### The Naval Handbook for Sailmakers

Traditional maritime skills like sailmaking and canvas work have been handed down for generations but seldom recorded. There are few authoritative sources of information on this subject but the Royal Navy has maintained this knowledge in this classic handbook. The diagrams and illustrations are particularly fine while the text is the distilled expertise of countless sailmakers. This book will interest naval historians and anybody who wishes to practise the skill of sewing and canvas work.

Published: 2008 Price: £25

ISBN: 978 1 870077 89 7 Ref: 0303



### The DP Operator's Handbook Captain D Bray FNI

This re-issued handbook contains updated, full colour diagrams and photographs. It covers operations, bridge management, communications and the correct ways to set up, test and monitor equipment. It does not replace specific manuals and company instructions but provides a summary of good practice for planning and to help clarify intentions. The book complements the DP Operator's scheme and is a handy reference for officers transferring to new vessel types and a refresher for operational practices.

For more information about the scheme visit [www.nautinst.org/dp](http://www.nautinst.org/dp)

Published: 2011 Price: £25

ISBN: 978 1 906915 15 5 Ref: 0304



## Offshore Support Vessels

A practical guide

**Gary Ritchie BA (Hons) FNI**

The book covers vessels for dive support, ROV support, construction and pipelaying and the demands these specialist operations place on seamanship, propulsion, engineering principles, stability, safety and working with sub-contractors. An underlying theme is safety and environmental management. It emphasises that planning is an essential part of good seamanship.

Published: **2008** Price: **£50**  
ISBN: **978 1 870077 88 0** Ref: **0302**



## Manoeuvring Single Screw Vessels Fitted with Controllable Pitch Propellers in Confined Waters

**Captain H Hensen FNI**

A practical guide written for mariners concerned with manoeuvring vessels with CPP. Principles and fail-safe modes are described to make a valuable contribution to the art and science of shiphandling.

Published: **1994** Price: **£20**  
ISBN: **978 1 870077 21 7** Ref: **0104**

## Monitoring Turns Using Radar

**Paul Chapman FNI**

A surprisingly simple radar technique to achieve the otherwise complex task of monitoring turns in confined waters. This radar navigation technique is a very useful tool for conducting turns in blind pilotage and passage plans. Briefing and CD.

Published: **2009** Price: **£35**  
ISBN: **978 1 870077 96 5** Ref: **0310**

## Anchor Handling Vessel Safety

**Captain MT Hancox FNI**

Design characteristics and weaknesses in offshore oilfield anchor handling and towing vessels that can lead to damage or even capsizing are examined. The author shares over 30 years of operational experience, detailing how some operations, especially those in deep water, pose particular threats. Preventative actions are outlined, examples of events that AHT Masters could face are detailed and check lists given.

Published **2008** Price: **£20**  
ISBN **978 1 906915 91 9** Ref: **0308**

## Seafarers' Health and the Spread of Disease

**Dr Muhammad Zakaria AFNI**

Seafarers have often been unwitting agents in the spread of diseases and have themselves been victims. One disease particularly associated with seafaring history is scurvy which, it is estimated, killed more than 2 million sailors during the age of sail. These, and many other diseases and illnesses faced by seafarers as they explored the world and opened up its trade routes, are examined in this briefing.

Published: **2009** Price: **£25**  
ISBN **978 1 870077 97 2** Ref: **0311**

## Parallel Indexing

**Captain B Westwood MNI**

Here is a demonstration of the value of this technique when navigating in confined waters or when wanting to hold position in, for example, a traffic separation scheme. Explanation of the theory of the technique and how to apply it. Benefits, including its use as an accurate and reliable method of navigation, are outlined. Wheel over positions are covered, advice given on checking the settings and the limitations implicit in radar operations.

Published: **2005** Price: **£20**  
ISBN: **978 1 870077 70 5** Ref: **0284**

## The Evasion of Tropical Cyclones

English translation by **Captain FPA Jamini** of an original Netherlands Master Mariners and Royal College publication. Information on what to do and how to stay clear of tropical revolving storms with many diagrams and charts.

Published: **1986** Price: **£20** Ref: **0049**

## Bow Tug Operations with Azimuth Stern Drive Tugs

**Captain H Hensen FNI**

Written by a leading towage consultant to explain the underlying reasons for a number of serious incidents which have occurred when using azimuth stern drive tugs in assistance either towing bow to bow or stern to bow. Covers risks, effectiveness and operational considerations when close in near the bow of a ship.

Published: **2006** Price: **£20**  
ISBN: **978 1 870077 73 6** Ref: **0289**

## Marine Pilot Safety

**CM Irving FNI**

Covers protective clothing, retrieval systems, safety on pilot boats, safety on vessels carrying hazardous cargoes, pilot transfer, ladder safety, reporting schemes and training.

Published: **1996** Price: **£25**  
ISBN: **978 1 870077 31 6** Ref: **0118**

## FOR THE SPECIALIST

### Technical Sketching for Deck and Engineer Officers

JR Durnford MNI

Shows officers how to prepare competent sketches and demonstrates how to label drawings. The ship, fixtures and fittings, pipework, valves and electrical systems are clearly illustrated. Essential for all officers who have to make technical reports and a valuable discipline for trainees.

Published: **1996** Price: **£15**  
ISBN: **978 1 870077 34 7** Ref: **0119**

### Maritime English: Valuing a Common Language

Valerie A Short MA BA

Good maritime English can make a huge contribution towards the safe and efficient operation of vessels in an international industry. Substantial improvement is needed to improve the teaching of the subject at training colleges and in ship operating and management companies. This briefing sets out some good practice.

Published: **2006**  
Price: **£10** Ref: **0294**

### The Expert Witness

MJ Bozier ExC FAIMS FNI

A useful guide for those involved in maritime commercial litigation. It covers the role of the expert witness, legal systems, retaining the expert, qualifications, role, duties and responsibilities, collecting and recording evidence, preparing reports, case progression, appearance in court, and useful appendices with legal judgements.

Published: **2006**  
Price: **£20** Ref: **0288**

### A Nautical Odyssey

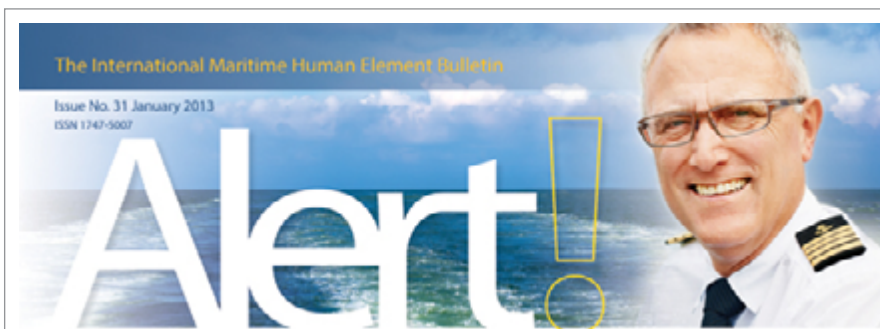
A History of The Nautical Institute

MJ Plumridge FNI

The book tells the story of how The Nautical Institute came to be established in 1972 and chronicles the activities of the first 30 years. It provides an understanding of nautical professional development and will inspire those who share in the belief that the nautical profession provides an essential service to society.

Published: **2003** Price **£25**  
ISBN: **978 1 870077 67 5** Ref **0273**





## Alert! the international maritime human element bulletin

The Nautical Institute's Alert! project is sponsored by the Lloyd's Register Foundation and its aim is to improve awareness of the human element in the maritime industry. Bulletins and videos are free to download from [www.he-alert.org](http://www.he-alert.org)

The first 21 issues of Alert! bulletin can also be purchased in two volumes and a third volume is currently being prepared. Human element considerations do not start at the design stage of a ship and finish at build, but must be applied throughout its

lifecycle, especially when updating its role or manning philosophies or when retrofitting new systems or equipment.

**Further information about the Human Element Awareness Initiative, free videos and other downloads can be found at:**

[www.he-alert.org](http://www.he-alert.org)

Alert issues 1-12

Published: **2007** Price: **£30** Ref: **0295**  
 ISBN: **978 1 870077 77 4**

Alert issues 13-21

Published: **2009** Price: **£30** Ref: **319**  
 ISBN: **978 1 906915 09 4**



## SEAWAYS the international monthly journal

*Seaways* is the official journal of The Nautical Institute and provides authoritative articles to advance high professional standards and promote fellowship within the profession.

It aims to stimulate constructive debate and share experience at a practical level, to improve the safe and efficient operation of shipping.

It also provides a link between Branches, keeping members updated on news, conferences and professional developments around the world.

Members can read a digital version of *Seaways* on PC, laptop, tablet or smartphone.

***Seaways* is published monthly and has over 7,500 subscribers and is sent to over 110 countries.**

Visit [www.nautinst.org/seaways](http://www.nautinst.org/seaways) for further information.



## The Navigator

### **The Navigator championing the role of today's professional marine navigators**

Published in association with the Royal Institute of Navigation, *The Navigator* is free and appears three times a year. Articles are short, but eye-catching and informative, and intended to spark discussion. It is available both in print and online at

[www.nautinst.org/thenavigator](http://www.nautinst.org/thenavigator)

[www.nautinst.org/shop](http://www.nautinst.org/shop)



## Mariners' Alerting and Reporting Scheme

The Mariners' Alerting and Reporting Scheme is a confidential reporting system run by The Nautical Institute. It allows full reporting of accidents (and near misses) without fear of litigation. From this free information exchange valuable lessons may be learnt by others and future similar accidents avoided.

MARS reports are published in the Institute's monthly journal *Seaways* (free to members) and can be freely accessed via the website at [www.nautinst.org/mars](http://www.nautinst.org/mars). This benefit to the maritime community has been made

possible with sponsorship from a range of companies. Major shipping lines use the reports for their own training purposes.

If you have experienced any incident which you think may be of interest to others you can enter the details on our standard form with your name and a contact address and send it in confidence to:

**MARS Editor – Confidential, The Nautical Institute, 202 Lambeth Road, London, SE1 7LQ, UK**

**or by email to [mars@nautinst.org](mailto:mars@nautinst.org)**

## MEMBERSHIP

The Nautical Institute is the international representative body for maritime professionals involved in the control of sea-going ships and with an interest in nautical matters. We provide a wide range of services to enhance the professional standing and knowledge of members who are drawn from all sectors of the maritime world.



### Investing in your maritime future

#### Members of The Nautical Institute enjoy:

- Monthly copy of *Seaways*, our highly respected maritime journal (also readable online)
- Support and guidance for your continuing professional development (CPD) and an online Jobs Board
- Worldwide professional recognition, including being able to display your Nautical Institute membership on your business card and CV
- Legal defence insurance cover, protecting you against criminalisation
- A representative voice at IMO, IALA and other industry bodies on key policy issues
- Monthly e-newsletter and online knowledge forums
- Personal copies of our human element *Alert! Bulletin* and *The Navigator* magazine
- 30% discount when buying our specialist books and guides
- Big discounts on attendance at events plus the opportunity to network with colleagues, employers and customers

#### What we are working on for you:

- Improving competence and core skills
- Promoting specialist skills, safety and protection of the environment
- Stress, fatigue and hours of work/rest
- Watchkeeping practices in the era of integrated bridge systems
- Marine resource management and leadership issues
- Countering the criminalisation of seafarers

### Membership Categories and Criteria

#### Fellow (FNI)

- Election by nomination after a minimum of five years continuous membership and significant contribution to the profession

#### Associate Fellow (AFNI)

##### Must match one or more of the following criteria:

- Command of a commercial or naval sea-going vessel
- Other senior position at sea
- Senior management position ashore of equivalent standing to command at sea

#### Member (MNI)

##### Must match one or more of the following criteria:

- Has been issued a Certificate of Competency by an IMO 'White List' Marine Administration under STCW '78/'95 as amended
- Has held an equivalent pre-STCW 1978 Certificate of Competency issued by a Marine Administration on the basis of examination
- Has been issued other acceptable maritime qualifications, including:
  - A licence as a maritime Pilot of sea-going vessels
  - A Naval qualification equivalent to an STCW Certificate of Competency
  - The Nautical Institute's Dynamic Positioning Operator Certificate
  - The Nautical Institute's Square Rig, Harbourmaster or Command Certificates
  - Approved qualifications as a Harbourmaster, VTS Supervisor or Operator on the basis of an accredited IALA model course, Marine Surveyor, Designated Person, professional Yachtmaster or officer of the Watch issued by a national Maritime Administration, Maritime Lawyer, or Maritime Health and Welfare Professional
- The Executive Board may accept a minimum of three years experience in lieu of formal qualifications from management level maritime professionals
- Has other qualifications or experience accepted by the Executive Board for this purpose

#### Associate Member (AMNI)

##### Must match one or more of the following criteria:

- Be undertaking an approved course of initial maritime training or education
- Hold a Rating or Boatmaster qualification
- Hold a non-management level maritime appointment



[www.nautinst.org/membership](http://www.nautinst.org/membership)