



RINA AFFAIRS

JULY/AUGUST 2010

The Newsletter of the Royal Institution of the Naval Architects

CHIEF EXECUTIVE'S COLUMN



I frequently, and rightly, pay tribute to those members who give willingly and freely of their time to serve on the Institution's branch and standing committees, without whose efforts the Institution would not enjoy the international standing which it does. Such tribute is equally deserved by the staff at RINA Headquarters, without whose work the Institution would not function and whose efforts also contribute to that standing. But when I describe the range of activities of the Institution, both to visitors to Headquarters or to members and others I meet when visiting Branches or industry, there is usually surprise and sometimes disbelief that when I mention just how many, or rather how few, staff there

are at Headquarters, compared with other organisations.

Members will be aware that for its size, the Institution is a major publisher of nine titles, covering the whole spectrum of the maritime industry – but how many will be aware that only the printing is not done in-house by the advertising sales, editorial and production team. Group Sales Director John Payten and his sales team of Donna McGrath, Rosemary Little and Dan Payne are responsible producing an annual advertising revenue of £1.6M+. Technical Director Mark Staunton-Lambert's editorial team of Nick Savvides, Angela Velasco, Sam Fisk, David Foxwell and Clive Woodbridge travel widely to produce the copy for the Institution's journals which are distributed in over 100 countries, and enjoy an outstanding reputation for their quality and independence. Also reporting to Mark Staunton-Lambert is the production team of Sandy Defraigne and Nicola Stuart who bring together the editorial and advertising in the 30+ issues published each year, in printed and online formats, as well as a variety of conference and promotional material, whilst Stephen Bell provides the point of contact between the Institution and its 2800+ advertisers.

Members who have attended RINA conferences will appreciate the work done by Mark Staunton-Lambert's conference team of Philip Eltringham and Amber Williams who organise the 16+ conferences held worldwide each year. Also reporting to Mark are the marketing team of Adelaide Proctor and Josie Pearson, who are responsible for the subscription sales of journals as well as the 1650+ items sent out each year from the RINA Bookshop.

Administration & Finance Director Ian Blackwood and his team of Karen Cox and Anita Adeji-Twum are responsible for all financial matters, including the 23,000+ invoices and membership fee notices sent out from headquarters each year, with a corresponding number of payments.

Professional Affairs Director Giuseppe Gigantesco and his team of Lisa Staples and Yuen-Yee Pang are the point of contact with all members, handling all applications for election and transfer, links with schools, universities and companies, as well as providing support for the Institution's standing committees.

Graeme Mitchell ensures that the Institution's IT systems provide the service without which the Institution could not function, including the website and the thousands of emails which the Institution receives each year – not including the many thousands which do not make it past the spam filter.

Members who have attended the Annual Dinners will appreciate the work of Executive Officer, Sally Charity who, in addition to running the Chief Executive's office (and the Chief Executive!), single handedly organises the entire Dinner, as well as being the point of contact with Divisions and Branches and the many organisations which hire the Headquarters facilities. Working for Sally in Reception is Louisa Uyi Eyamba who greets most callers to Headquarters and ensures the thousands of items of correspondence which the Institution posts each year are dispatched.

I am very grateful for the support I receive from the staff at RINA Headquarters, and I hope that members are too.

Chief Executive

IN THIS ISSUE

Committee members wanted

There are vacancies on the Institution's Membership and Professional Affairs Committee – an opportunity for members who can spare the time to put something back into the Institution and the naval architecture profession.

Corporate Partners

Companies in the USA and UK have become the latest companies to demonstrate their commitment to high professional standards by becoming a Corporate Partner members.

New members wanted

Do you know of any colleagues who are involved with the design, construction and maintenance of marine structures who are not members of the Institution? Let the Chief Executive know so that they too can share the benefits of membership which you enjoy.

Student Awards

The Institution congratulates students in Malta, Coventry and Plymouth whose achievements have been recognised by RINA Student Naval Architect Awards.

World Superyacht Young Designer Award

Finalists in the 2010 World Superyacht Young Designer Award Competition were the guests of Lürssen Yachts. Entries for the 2011 Competition are invited.

Letters to the Editor

Fred Walker responds to a request for information about Sir William Reed.

2011 Events

The 2011 Events programme includes conferences in the UK, Norway, Greece, Italy and Australia.

USA and UK Companies elected as Corporate Partners

In-Place Machining Company (USA) and Matchtech Group plc (UK) have become the latest companies to demonstrate their commitment to high professional standards by becoming a Corporate Partner members of the Institution.

Corporate Partner membership

In addition to a wide range of benefits, Corporate Partner membership of the Royal Institution of Naval Architects will enhance the reputation and image of a company with its customers and the industry generally. Also, both prospective and existing employees will

value more highly an employer who is committed to the high professional standards and personal development demonstrated by Corporate Partner membership, thereby benefiting both recruitment and retention.

Members who are interested in their company or organisation, whether large or small, becoming a Corporate Partner and thereby demonstrating its commitment to high professional standards should contact the Chief Executive at hq@rina.org.uk or visit the Corporate Partner page on the website at www.rina.org.uk/CorporatePartners for further information.

Committee Members wanted

Vacancies exist on the Membership and Professional Affairs Committees for members with either an academic or industry background.

Membership Committee

Other than being a Corporate member (FRINA or MRINA), no particular expertise or experience is required to contribute to the Committee, which is responsible for assessing all applications for Corporate membership and registration with the EC(UK). With applications from over 90 countries, the work of the Membership is both interesting and of course, vital to maintaining the high standards of professional competence and integrity which are implied by the letters FRINA or MRINA. The Membership Committee meets five times per year at RINA Headquarters, although it is recognised that members may not be able to attend all meetings.

Professional Affairs Committee

The Professional Affairs Committee is responsible to Council for all matters relating to the education and professional development of members of the Institution, including the accreditation of academic and Continuing Professional Development courses, and Graduate Training Programmes. The PAC meets three times per year, with much of its work done by correspondence.

Any members who are interested in offering their services to either the Professional Affairs Committee or the Membership Committee, or would like more information, are invited to contact me. They would be making a valuable contribution to the work of the Institution, and I am sure would enjoy the experience.

Chief Executive
hq@rina.org.uk

Peter Ayling OBE

Older members will be saddened to hear of the death of Peter Ayling FRINA, who was the Secretary of the Institution from 1967 to 1989.

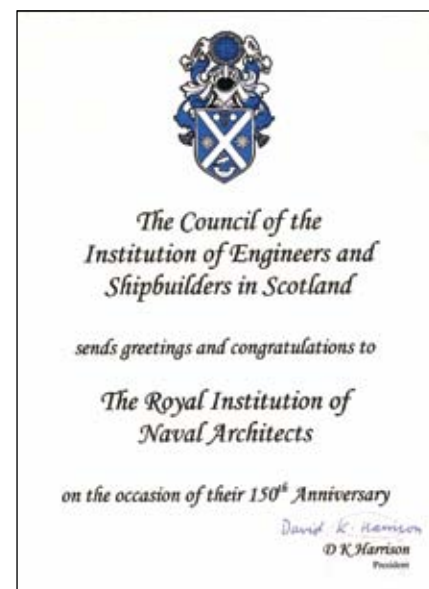
IESIS congratulates Institution on its 150th Anniversary

The Council of the Institution of Engineers and Shipbuilders in Scotland have sent their greeting and congratulation to the Royal Institution of Naval Architects on its 150th Anniversary.

The Scottish Shipbuilders Association

The Scottish Shipbuilders Association was established in September 1860 to perfect, as far as possible, the art and science of shipbuilding. It also gave early proof of its value when one of the members read a paper on river steamers and put forward proposals for the fitting of deck saloons. The Association followed this with an approach to the Board of Trade - then the statutory authority - and got its agreement that deckhouses used as shelter would not be measured and added to the tonnage of the hull. From then onwards the misery of pleasure sailing on wet days was gone.

In 1864, it joined with the Institution of Engineers in Scotland, formed earlier in 1857, to become the Institution of Engineers and Shipbuilders in Scotland.



NEW MEMBERS WANTED

An open letter to all members

Dear member,

As a member, you will be aware of the benefits and service which membership of the Royal Institution of Naval Architects provides. In particular, you will be aware that membership provides a professional qualification which is recognised throughout the global maritime industry as demonstrating the achievement of the highest standards of professional competence and integrity. You will also be aware that membership provides access to information on developments in all aspects of the maritime industry through the Institution’s international conferences and publications which members receive free or at a reduced cost.

I am therefore writing to ask for your support in encouraging your colleagues to follow your lead in becoming a member of the Royal Institution of Naval Architects and enjoying the benefits of membership of the world’s leading professional institution for those involved in the design, construction and maintenance of marine vessels and structures at all levels. I would be grateful if you would let me know (by email to hq@rina.org.uk) the name, position and email address of any of your colleagues who you would wish to introduce as a member. Such potential members could include those at any stage in their career, whether newly graduated or more senior and experienced.

In return for your assistance I would be pleased to offer you a year’s free subscription to the Institution’s Transactions (the International Journal of Maritime Engineering and the International Journal of Small Craft Technology) or any of the Institution’s other journals, following the application and election of anyone you might propose (excluding Student and Junior Members).

Chief Executive

Library Additions

Recent additions to the Denny Library at RINA Headquarters include “The RIB – The Rigid-Hulled Inflatable Lifeboat and its Place of Birth – The Atlantic Colledge”, presented by the author, David Sutcliffe, and “Fibreglass Boats – Construction - Gel Coat – Stressing – Blistering – Repair – Maintenance” by Hugo Du Plessis.

Other additions include:

- “Classic Ships – A Century of Liners, Lifeboats, Small Ships and Tall Ships”,
- “Thunderer – Building a Model Dreadnought”,
- “101 Things You Thought You Knew About The TITANIC – But Didn’t!”,
- “British Warships and Auxiliaries”.

Visit by Chinese Shipbuilding Delegation

Recent visitors to RINA Headquarters included a delegation from Dalian and Beihei Shipyards. The delegation was welcomed by the Chief Executive, Trevor Blakeley, who gave a presentation of the role and activities of the Institution, including its links with the Chinese maritime industry through its membership, conferences held in China, Chinese language publications and its Shanghai Branch.



Chief Executive and members of the Chinese shipbuilding delegation

BAE Systems announces partnership with University of Southampton

BAE Systems is launching a new long-term partnership with the University of Southampton as part of the company's continued investment in research and development in the maritime sector.

The collaboration with the University of Southampton is the second of four planned university partnerships to be established by BAE Systems in the field of maritime engineering.

The partnership will focus on strategically important areas of platform systems technologies, industrial/systems engineering, and readiness and sustainment, which are fundamental to the long-term sustainability of BAE

Systems' maritime operations and the wider industry in the UK.

Under the agreement, BAE Systems will offer summer placements to engineering degree students; initiate projects with industry involvement for masters' students; provide guest lecturers, secondments from industry to university and vice versa and undertake collaborative research projects.

This initiative is a welcomed example of co-operation between industry and academia. I would welcome news of other such in itiative involving universities with which the Institution has links.

Chief Executive

Sponsored Places at RINA Conferences

A number of free places for undergraduate and postgraduate students at RINA conference, sponsored by the Institution and industry, are available each year on a first-come first-served basis.

Student Members and Associate Members still in fulltime education should apply for sponsored places to Yuen Pang at ypang@rina.org.uk If a place is allocated, they will be required to fund their own travel and accommodation.



The 1st Marine Technology Postgraduate Conference

Over 60 delegates from academia and industry gathered in the School of Marine Science and Technology, Newcastle University, for the inaugural Marine Technology Postgraduate Conference held on 10th – 11th June. The event was sponsored by Lloyd's Register, the Royal Institution of Naval Architects and the Institute of Marine Engineering, Science and Technology.

The conference provided a forum for PhD and early career researchers involved in Marine Technology subjects to present their work to colleagues and peers. Delegates were treated to a wide range of presentations spanning the field of marine technology. Thirty projects were presented over the two days, grouped into research themes including hydrodynamics, ship structures, offshore engineering, marine engineering and marine environment.

Lloyd's Register sponsored prizes which were awarded to the best given presentations. First prize went to Maryam Haroutunian, a PhD student from Newcastle University, for her project presentation titled "Nature in Engineering for Monitoring the Oceans – Bio Inspiration from Marine Animals for a Novel Approach to AUV Design".

Copies of the conference proceedings, including abstracts of all presentations, are still available and can be obtained by emailing the conference organisers at ukmtpc@ncl.ac.uk

Student Members from Plymouth University who were successful in obtaining sponsored places at the Innovation in High Performance Sailing Vessels conference, held in Lorient recently.

First RINA – Student Naval Architect Award presented at University of Malta

The first RINA Student Naval Architect Award for the best marine related final-year project at the University of Malta has been awarded to Stephen Mallia for his project “The Evaluation of an existing Fishing Boat > Hull, developing relevant characteristics and properties”.

RINA – CNI Marine Designer Award

Coventry University

The first RINA - Camper Nicholson International Marine Designer Award for the best final-year project on the Boat Design Course at Coventry University has been presented to Tim Thompson for his project “Aquivica - A 90m Modular Superyacht”.

RINA - BAE Systems Student Naval Architect Awards

Plymouth University

The 2010 RINA – BAE Systems Student Naval Architect Awards for the best final-year maritime projects have been awarded to Ross Millard, for his project “An Investigation into Container Systems’ Failure at Sea” and to Peter Trevis-Bell for his project “Testing and Evaluation of Foil Attachment in Performance Board Sports”.

RINA AFFAIRS IS THE NEWSLETTER OF THE ROYAL INSTITUTION OF NAVAL ARCHITECTS

The Institution is not, as a body, responsible for opinions expressed in RINA Affairs unless expressly stated that these are Council’s views.

Editor The Chief Executive

Design/Production Manager Sandy Defraigne

Published by The Royal Institution of Naval Architects
10 Upper Belgrave Street
London SW1X 8BQ, UK
Tel: +44 (0)20 7235 4622
Fax: +44 (0)20 7259 5912
Email: hq@rina.org.uk

© The Royal Institution of Naval Architects

HEADQUARTERS FACILITIES

The Headquarters of The Royal Institution of Naval Architects at 10 Upper Belgrave Street, London, offer a high-quality, low-cost venue for conferences, meetings, examinations and exhibitions for any number up to 80, within 5 minutes walking distance of Victoria tube, rail and bus station. AV facilities are available and catering can be provided. Members enjoy a 10% discount on booking rates.

The Weir Lecture Hall will seat up to 80, and can be set out in conference, classroom or seminar style.



Weir Lecture Hall

The Denny Library will accommodate up to 50 in lecture room style, or seat 30 at the conference table.



Denny Library

The Members’ Room will sit up to 30 in lecture room style, or seat 14 at the table.



Members’ Room

For further information or to book the Headquarters’ facilities, contact Sally Charity, Tel: +44 (0)20 7235 4622; Email: scharity@rina.org.uk

Sir William Reed

Sir: Reference the enquiry about William Reed (RINA Affairs – June 2010), he was a senior member of staff of Smiths Dock Co Ltd of Middlesbrough, and must have been at least a director in rank - possibly MD or Chairman as he was party to discussions with bodies like the North East Coast Ship-repairers Association and others.

In 1915 he presented a case to Lord Fisher for the use of the Smiths Dock

design of whale catchers for the building of new submarine hunters. The order was given to design and build 15 such ships, the first to be delivered in 3 months and the others to follow every ten days. They had an unusual rudder and stern configuration.

This situation was repeated in the second world war when Smiths Dock were lead company for the new corvettes for the Royal Navy, all based on their

whale catcher design, and again with this special rudder arrangement. Of these, something like 266 hulls were built in Britain and Canada.

The TSMV *Bembridge* was a pilot cutter built by Smiths Dock in 1938 (machinery by British Polar of Glasgow). Her owners were the Corporation of Trinity House, London.

Fred Walker

Fuel consumption data question

Sir: I would be grateful if members could provide me with information about fuel consumption rate under different load percentages for a handymax size ship.

Eric J Holohan
holohanmarine@aol.com

Ship Theming /Show Designers

Sir: I would like to connect with seasoned RINA members who have shown an ability to work with “Ship Theming /Show Designers” as a resource for some “outside the box” and “blue-sky” design concepts related to futuristic resort development & (VLFS).

I would like to develop some of these notions in concert with such a “core resource” from RINA ranks. Such persons need to be able to enjoy the abstract and Pro-Bono!

Ken Mark MacBean
kmacbean@dcemail.com

CHANGE OF ADDRESS

Each year, the Institution sends out over 170,000 copies of the journals and RINA Affairs, a total paper weight of over 35 tonnes. Unfortunately, a number of those are returned “not known at this address”, usually because members have forgotten to inform the Institution of their change of address. In addition to the waste of postage, the Institution is charged for those returned from other than the UK. Additional cost is then incurred when members ask for the missing copies.

Members are requested to let the Institution know of a change of address as soon as possible, preferably before they actually change their address. Changes may be sent online from the Members’ Only section of the RINA website at www.rina.org.uk/members, by email to membership@rina.org.uk, by fax to +44 (0)20 7259 5912, or by letter to RINA Headquarters.

2010 EVENTS PROGRAMME

FUNDAMENTALS OF CONTRACT & CHANGE MANAGEMENT FOR SHIP CONSTRUCTION, REPAIR & DESIGN

13-15 October 2010,
London, UK
[www.rina.org.uk/
Fundamentalsoct2010](http://www.rina.org.uk/Fundamentalsoct2010)

SYSTEMS ENGINEERING IN SHIP & OFFSHORE DESIGN

21-22 October 2010,
Bath, UK
www.rina.org.uk/systemsengineering

PRESIDENTS INVITATION LECTURE

November 2010,
London, UK

ICSOT 2010: DEVELOPMENTS IN SHIP DESIGN AND CONSTRUCTION

11-12 November 2010,
Surabaya, Indonesia
www.rina.org.uk/icsot2010

THE WILLIAM FROUDE CONFERENCE

24-25 November 2010,
Portsmouth, UK
www.rina.org.uk/Williamfroude

THE DAMAGED SHIP

26-27 January 2011,
London, UK
www.rina.org.uk/damagedship2011

Branch News

Dr Graham Schleyer, Impact Research Centre at the University of Liverpool, UK gave a presentation “Blast Resistant Design Methods” at a technical meeting of the Korean Branch, co-hosted with the Lloyd’s Register Educational Trust Research Centre of Excellence at Pusan National University.



Dr Schleyer presents to the Korean Branch

Chennai Branch News

Since the formation of the Chennai Branch earlier this year, the Branch Committee has been active in organising technical activities, including presentations on “Ocean Acoustics: Listening to the Secrets of the Oceans” by Professor P R Gopu, Department of Ocean Engineering, University of Rhode Island, USA, and “Ship Energy Efficiency Initiatives” by Dr Phil Thompson,

Chairman, BMT Marine & Offshore Surveys Ltd, UK.

Other activities have included support for a Workshop on “Recent Developments in Offshore Engineering”, conducted at Department of Ocean Engineering, Indian Institute of Technology, Madras, and investigation into the formation of a “National Marine Professional Skill Registry” under the auspices of the Chennai Branch.

Green Ship Technology Book

Produced by the European Marine Equipment Council (EMEC), the Green Ship Technology Book gives an overview of current green technology, and the impact it has on the environment from a neutral standpoint. It provides a benchmark for the current capabilities of technology, demonstrating what could be achieved above and beyond current regulatory requirements. It is estimated that if this availability technology could be integrated in today’s ships then they could become 15-20% greener and cleaner.

The Book addresses seven issues that should be taken into consideration when considering a reduction of the environmental impact of vessels:

- Reduction of Gas Emissions (NO_x, CO₂, SO_x, Soot, Smoke and Particulate Matter);
- Ship Waste Disposal
- Bilge Water Treatment
- Black Waste Water Treatment;
- Grey Waste Water Treatment;
- Ballast Water Treatment;
- Underwater coatings

The Green Ship Technology Book may be downloaded at www.emec-marine-equipment.org/green