



RINA AFFAIRS

NOVEMBER/DECEMBER 2012

The Newsletter of the Royal Institution of the Naval Architects

CHIEF EXECUTIVE'S COLUMN



By now, most members should have received their 2013 Annual Subscription Renewal Notices. For members with access to a UK bank, the preferred method of payment is the Direct Debit. No further action is required by those members with Direct Debits set up. [I would strongly urge other members to consider this method of payment for future years. It ensures that payment of membership fees is not overlooked, and avoids the need for me to write to members in June 2013, informing them that they are about to be removed from the Membership Roll for non-payment of fees, their journals having been stopped earlier. Direct Debit Mandate Forms are available from Headquarters] Members are

reminded that resignations cannot be accepted from members with fees outstanding. Their membership record will show them as lapsed for non-payment of fees.

For other members, it is recommended that the facility to pay by credit card be used. Payment for all RINA conferences, publications and merchandise, as well as membership and registration fees, can be made by all major credit cards. Members may also make their payment by credit card online if there is no change to the amount shown on the Renewal Notice, using the secure link from www.rina.org.uk/Membership. Payment can also be made by bank transfer or personal cheque drawn on a GBP, Euro, A\$, NZ\$, Can\$ or US\$ account, but members should remember that the bank will make a charge for transfer and ensure that the full amount due is transferred.

I would be grateful if members would check the personal details on the Renewal Notice and inform Headquarters if there are any errors or changes. At any one time, up to 200 members' current addresses are not known, resulting in correspondence and journals being returned, and back numbers being forwarded when new addresses are notified. The additional administrative, postage and printing costs are not insignificant. A charge is also made for returning journals from outside the UK. Change of address can be notified by letter, fax, email or through the RINA Website at www.rina.org.uk/Membership. May I also ask that members inform Headquarters of their email addresses, either by email to hq@rina.org.uk or with their Annual Subscription payment details. Email is now used as the preferred method of communication with members, including the RINA News e-newsletters.

This year, Renewal Notices will reflect members' choice of whether to continue to receive *The Naval Architect* in printed and digital format, or to receive the journal in digital format only and enjoy a lower cost of membership. If the former, a subscription to *The Naval Architect* will appear on the Renewal Notice.

Members are also asked to review their standing order for journals and the Transactions (the *International Journal of Maritime Engineering* and the *International Journal of Small Craft Technology*). Members should also decide if they wish to receive *Ship & Boat International* and *Ship Repair & Conversion Technology*, in addition to *The Naval Architect*, *Warship Technology* and *Offshore Marine Technology* and Supplements which they receive free of charge. I would urge all members who do not already do so to consider taking these journals. They are all first class journals and are widely acknowledged in the world maritime industry as leaders in their fields. More copies sent to members means larger circulations, which makes the journals more attractive to advertisers, which increases the Institution's income, which means lower Annual Fees!

Chief Executive

IN THIS ISSUE

2012 President's Invitation Lecture

The 2012 President's Invitation Lecture was given by Eduardo Aufran, who presented the challenges faced by both Petrobras and the Brazilian maritime industry.

Maritime Safety Award

There is still time to submit a nomination for the 2012 RINA-Lloyd's Register maritime Safety Award. The Award will be announced at the 2013 Annual Dinner on 24 April.

New members wanted

In an open letter to members, the Chief Executive asks them to encourage their colleagues to follow their lead in becoming members of the Institution.

2013 Annual General Meeting

The 2013 AGM will be held at RINA Headquarters on Wednesday 24 April

Engineering Showcase

The Matchtech Engineering Showcase is a gallery which aims to celebrate outstanding achievements throughout all sectors of the engineering industry.

Student Awards

The achievements of students in Italy, Australia and the UK are recognised by the presentation of RINA Student Naval Architect Awards.

Letters to the Editor

Information is requested regarding the design of a 33ft launch (Quest), designed and built in the 1950's by a well known Pictou boat builder of the day, Roger Carey. Can you help?

The Naval Architect reader survey

Readers of *The Naval Architect* are invited to take part in an online survey, where they can have their say on which magazine sections and feature topics are of the most interest to them, and what they would like to see more of in future.

Sponsored conference places

Can your company sponsor a place(s) for a student at a RINA conference?

2013 Events

The Institution's programme of conferences and training courses in 2013 is now published, with details at www.rina.org.uk/Events

President's Invitation Lecture London, 21 November 2012

The 2012 President's Invitation Lecture was given by Eduardo Autran, the Executive Manager of Supply and Logistics Petroleo Brasileiro SA Petrobras, who described the challenges faced by both Petrobras and the Brazilian maritime industry.

Over 150 representatives of the global maritime industry heard an information packed lecture in which Mr Autran outlined spending plans for both the upstream and downstream spending from 2012 to 2016, including a fleet expansion programme that will see the Petrobras fleet expand from 287 ships at the end of 2010 to adding a further 146 ships by 2017.

As a result of the major investment programme Mr Autran said that Petrobras will double its oil production and its crude

oil reserves, it will increase its refining capacity by 70% and see a 50% increase in its market.

Petrobras would like to use local suppliers for the development of vessels and equipment, but Mr Autran explained that the local yards and other offshore industry lacked the expertise on its own to meet the massive demand from Petrobras.

Mr Autran said that there were already 47 yards in operation in Brazil with a further 11 yards under construction. Some 62,000 workers were directly employed in the industry, which has an orderbook totalling 6.8m dwt, and orders for 19 offshore oil platforms and a further 21 deepsea rigs.

The major challenges are to increase the "local content" for these orders and for that there is a need for human resources, people

with the skills to meet the demand from an expanding industry.

Following his presentation, which can be seen at http://www.rina.org.uk/presidents_invitation_lecture.html, Mr Autran answered a wide range of questions from the audience, after which those attending enjoyed dinner at One Whitehall Place. Photographs taken at President's Invitation Lecture may be viewed at "2012 President's Invitation Lecture- Photos".

The annual President's Invitation Lecture is sponsored by ABS, who were thanked by the President of the Institution, Peter French, for the support which ABS give to this and other Institution activities. Ms Kirsi Tikka, President of ABS Europe, presented Mr Autran with the "ABS Eagle".

Mr Eduardo Autran



Kirsi Tikka presents the "ABS Eagle"



Guests of the President's Invitation Lecture



President's Invitation Lecture Dinner



2013 ANNUAL GENERAL MEETING

NOTICE IS HEREBY GIVEN THAT IN ACCORDANCE WITH BY-LAWS 39 AND 42, THE ANNUAL GENERAL MEETING OF THE INSTITUTION WILL BE HELD AT 10 UPPER BELGRAVE STREET, LONDON, SW1X 8BQ, ON WEDNESDAY 24 APRIL 2013 AT 1100 FOR THE FOLLOWING PURPOSES;

1. To receive the Annual Report of Council and the Financial Statement for the year ended 30 September 2012.
2. To consider and if felt fit, approve the following Resolutions:

Resolution 1: To re-elect Mr P French as President.

Resolution 2: To re-elect Mr A Marsh as Treasurer.

Resolution 3: To re-appoint haysmacintyre as the Institution's auditors

Note.

1. All members have the privilege to attend the above meeting, but only Voting Members are entitled to vote on the Resolutions.
2. Members entitled to vote on the Resolutions may appoint the Chairman of the meeting as their proxy to vote on their behalf.

Members may register their proxy vote by email (www.rina.org.uk/agm2013proxyform) or by post (www.rina.org.uk/p/1/proxyformagmprinted2013.pdf)

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.

Chief Executive

THE QUEEN'S ROWBARGE "GLORIANA" A MAGNIFICENT TRADITIONALLY-STYLED STATE BARGE

A Naval Architect's Tale

Although state barges have been in use in England since the 15th Century or earlier it is likely that only a handful of naval architects in history have ever been commissioned to work on the design of a new Royal Rowbarge. In a series of online articles, Stuart Roy describes his involvement in the 14 months' project to design and build "Gloriana", the boat that was to be a gift for Her Majesty the Queen in 2012, her Diamond Jubilee year. The articles can be read at: www.stuartroy.co.uk/Gloriana1.html

Pre-Publication Offer

Ends 31st January 2013

SIGNIFICANT SHIPS OF 2012 Published Feb 2013 - Ref: SIGS12

We are pleased to announce you that you can now place your order for **Significant Ships of 2012**. The 23rd issue of this annual RINA publication will be available from February 2013, and will feature, in one volume, a total of approximately 50 of the most innovative and important commercial designs delivered during the year by shipyards worldwide. Following the successful format of previous editions, **Significant Ships of 2012** will include a cross-section of ship types, with each vessel being either representative of its type or singularly significant. Each ship description will comprise of a concise technical description, extensive tabular principal particulars, including major equipment suppliers, detailed general arrangement plans and a colour ship photograph.

Pre-Publication Price - £38 (RINA Members £34) Available in Printed or CD-ROM format

SIGNIFICANTSMALL SHIPS OF 2012 Published Feb 2013 - Ref SSC12

We are also pleased to announce that you can now place your order for **Significant Small Ships of 2012**, following the success of the previous editions and the lead set by **Significant Ships**, now in its 15th year of publication. A total of approximately

28 new vessels will be selected for inclusion, each being singularly significant or the first in a series and will include - fast ferries and passenger vessels, tugs and workboats, fishing, and offshore patrol etc: This mixed but fascinating selection of small craft, all between 15m and 100m in length, will be hand-picked by the same editorial team that produces **Ship & Boat International**, RINA's own leading small craft publication, and is backed by its world-renowned resources.

Pre- Publication Price - £25 (RINA Member £21) Available in Printed or CD-ROM format

Significant Ships of 2012 + Significant Small Ships of 2012 One copy each of Significant Ships of 2012 and Significant Small Ships of 2012 can be ordered as a set.

Pre- Publication Price £51 (RINA Member £44)

Note - All of the above publications are available in Printed or CD-ROM format To order any of the above publications:

Tel: + 44 (0)20 7235 4622; Fax + 44 (0)20 7259 5912; email: publications@rina.org.uk or visit the publications webpage: <http://www.rina.org.uk/sigships.html>

The Naval Architects Reader Survey

Readers of The Naval Architect are invited to take part in an online survey, where they can have their say on which magazine sections and feature topics are of the most interest to them, and what they would like to see more of in future. All those who participate in the survey will be entered into a draw, with an iPad for the lucky winner. To participate in the survey, please visit: <https://www.surveymonkey.com/s/DH6SJVN>

QUOTE OF THE MONTH

"It is true that improved results in ship-building have been obtained through accumulated experience; but it unfortunately happens that many of the theories by which this experience is commonly interpreted are interwoven with fundamental fallacies, which, passing for principles, lead to mischievous results when again applied beyond the limits of actual experience",

William Froude, 1875.

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

Sponsored Places at RINA Conferences

Each year, the Institution has over 50 free places at RINA conferences and training courses, available to Student Members and Associate Members in full-time education, on a first-come-first-served basis. These places are sponsored by industry and the Institution. Such places not only benefit the student by allowing him or her to extend their knowledge and to meet with more experienced members of the

maritime industry, but also allow them to contribute to the conference by bringing a fresh mind to the subject.

Each year, the requests for sponsored places exceeds the number available. Members whose companies may be prepared to sponsor student places (at cost) or who would like further information are requested to contact the Chief Executive at hq@rina.org.uk or Tel: +44 (0)20 7235 4622

RINA – BV Student Naval Architect Award

The 2012 Royal Institution of Naval Architects – Bureau Veritas Student Naval Architect Awards presented to Yvan Chapon, whose project “*Avant projet d’un concept de navire pour le soutien à l’exploitation et la maintenance des parcs éoliens offshore*” was

adjudged by the Royal Institution of Naval Architects and Bureau Veritas to have been the best final year project on the Naval Architecture and Offshore course at the Ecole Nationale Supérieure de Techniques Avancées Paris Tech.

Engineering Showcase

The Matchtech Engineering Showcase is a gallery which aims to celebrate outstanding achievements throughout all sectors of the engineering industry.

The current skills and candidate shortage means the engineering industry is continually focussed on the negative. The Engineering Showcase provides a platform for individuals involved in inspiring engineering projects to demonstrate how the engineering industry is still beaming with innovation, creativity and excellence.

The gallery will be updated annually with the best achievements of the year. The showcase will span across all engineering sectors and all regions throughout the country, displaying the very best the engineering industry has to offer.

Matchtech invites members who themselves or a colleague who have achieved something over the last year which they feel deserves to be featured in the Showcase to submit an entry for the 2012 gallery at <http://community.matchtech.com/engineering-showcase/>

Member elected to Royal Academy of Engineering

Paul Wrobel FRINA has been elected as a Fellow of the Royal Academy of Engineering.

RINA – BAE Systems Student Award

The 2012 RINA – BAE Systems Student Award at Newcastle University has been presented to Batuhan Aktas for his final year project “*Speed Trials of Newcastle University Research Vessel The Princess Royal*”

RINA – d’Amico Student Award

The 2012 RINA – d’Amico Student Award was presented to Gianluca Panzalis for his final year thesis “*Mathematical Models for Twin Screw Vessels Maneuverability*”, for which he was awarded 110/110 cum laude

RINA – Austal Student Award

The 2012 RINA – Austal Student Naval Architect Award for the best project at the University of New South Wales was presented to Braden Holgate for his presentation on “*Investigation of Catamaran Motion Dependence on Vessel Parameters*”.

THOUGHTS FOR THE MONTH

The ship that will not obey the helm will have to obey the rocks.

English Proverb,

“He that embarks on the voyage of life will always wish to advance rather by the impulse of the wind than the strokes of the oar; and many fold in their passage; while they lie waiting for the gale.

Samuel Johnson

New South Wales Section

Rodney Humphrey of Det Norske gave a presentation on *Towards More Sustainable Shipping: Results and Lessons Learned from the FellowSHIP Project* to a joint meeting with the IMarEST attended by 16 on 5 September in the Harricks Auditorium at Engineers Australia, Chatswood. The webcast of the presentation is available at www.mediavisionz.com/ea/2012/easyd/120905-easyd/index.html

RADM Rowan Moffitt, Head Future Submarines Program, gave a presentation on *Future Submarines – Few Easy Choices* in Engineers Australia's Eminent Speaker Series attended by 60 on 2 October in the Harricks Auditorium at Engineers

Australia, Chatswood. The webcast of the presentation in Melbourne is available at www.mediavisionz.com/ea/2012/eav/120904-eav/index.html

Aslak Suopanki of Wärtsilä Environmental Solutions gave a presentation on *Wärtsilä After treatment Solutions for NOx and SOx Emissions from Shipping* to a joint meeting with the IMarEST attended by 16 on 3 October in the Harricks Auditorium at Engineers Australia, Chatswood. The webcast of the presentation is available at www.mediavisionz.com/ea/2012/easyd/121003-easyd/index.html

Phil Helmore

Southern Joint Branch

Over 240 members and guests attended the Southern Joint Branch's 2013 Annual Dinner at the De Vere Grand Harbour Hotel in Southampton. As always, the Dinner was well supported by local industry.

45-Year Long Service Certificates were presented by the Chief Executive, Trevor Blakeley, to Dr Ian Dand FRINA and Captain Peter Doble AssocRINA. The principal speaker was Mike Chalkley, who described the work of Griffon Hovercraft.

RINA AFFAIRS

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

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LETTERS TO THE EDITOR

33ft launch Quest

Sir: I am searching for information regarding the design of a 33ft launch (Quest), designed and built in the 1950's by a well know Picton boat builder of the day, Roger Carey.

Quest, a 33ft vessel of trawler design was built here in Waikawa and received such wide admiration that the plans were subsequently sent to the boatbuilding yard of James N Miller & Sons Ltd in the small village of St Monans Scotland. The designer later named this design Fifer and it is believed that as many as 50 Fifers

of varying lengths were built, some for well-known identities of the day such as Michael Bentine of the Goons fame.

I also understand that this particular design (and the designer's name), were later submitted to the Royal Institute of Naval architects, and that subsequently, Roger Carey was admitted as a member of the Institute, a great honour in his life.

My purpose in writing to the institute today is simply to enquire if there could by any chance, be any information in the

Institutes files, records or archival systems that could shed any light on this particular vessel i.e. design drawings, details, specifications or copies of the original submitted plans perhaps?

J R Bisman
New Zealand
cajan@kinect.co.nz

The Institution does not have any information, but perhaps a member can help.

Chief Executive