



RINA AFFAIRS

MAY 2010

The Newsletter of the Royal Institution of the Naval Architects

CHIEF EXECUTIVE'S COLUMN



The AGM and the Annual Dinner last month provided the opportunity to look back at the Institution's achievements. At the AGM, in his last Report to members, the President highlighted the achievements over the past three years, noting that they were the Institution's achievements and not his. The full text of his Report is published in this issue of RINA Affairs and on the website.

At the Annual Dinner, the President looked back at the changes to the Institution over the past 150 years. He reflected on how the founding fathers of the Institution would view the changes which have occurred since 1860. He wondered if John Scott Russell, Edward Reed, Nathaniel Barnaby and the other 15

who formed the Institution of Naval Architects were at the Dinner –perhaps they were, in spirit if not in body! – would they recognise the Institution they founded, and would they approve of the changes?

The Institution's mission statement in 1860 – although perhaps the founding fathers would not recognise the term – was to "promote and facilitate the exchanges and discussion of scientific and technical developments, and thereby to improve the design of ships". In 1860, that was achieved mainly through the publication of papers in the Institution's Transactions. That mission statement remains equally valid today, when it is achieved through the Institution's publications and conferences. Since 1860, the Institution has published over 6000 papers, either in the Transactions or conference proceedings, and today, the Transactions and conference papers are complemented by the up-to-date reporting of developments in the global maritime industry in the Institution's leading technical journals.

The Institution's first conference was held in London on 1 March 1860, and included papers on new Tonnage laws and fuel economy – no change there! – today, the Institution's conferences are held worldwide. For many members, the opportunity to meet with other maritime professionals at local Branch meetings represents one of the greatest benefits of membership. Over the past 150 years, the number of branches has increased to 22 Branches now in 16 countries.

The President noted that in 1860, there were no student members. Today, the Institution has links through the membership of staff and students with over 60 universities worldwide. The founding members would surely applaud the Institution's priority of engaging with those about to enter or newly entered into the maritime industry.

In 1860, the Institution sought to influence such issues as ship design, maritime safety and the protection of the maritime environment from its base in the UK – although the environment was not perhaps such a priority in 1860 as it is in 2010. Its aim of "improving ship design" was perhaps made easier by the UK's dominant position in shipbuilding. Today, the Institution still seeks to influence such issues, but on a global scale. It does this through its international membership, through its agreements of co-operation with many national professional and through its close links with industry. The Institution also contributes its collective expertise in such forums as the International Maritime Organisation.

The history of the Institution over the last 150 years is reflected in the development of the design and construction of marine vessels and structures, and indeed the maritime industry as a whole. The Institution can rightly and proudly claim to have made a significant contribution to that development, both collectively as an international organisation and individually through the work of its members. I am sure you would agree that that John Scott Russell, Edward Reed, Nathaniel Barnaby and the others who formed the Institution of Naval Architects in 1860 be proud of their legacy.

Chief Executive

IN THIS ISSUE

2010 AGM

At the 2010 Annual General Meeting, Mr Peter French was elected as the next President of the Institution.

Medals and Prizes were presented to authors of papers published in the 2009 Transactions.

In his Report, the President looked back at the Institution's achievements over the past three years.

2009 RINA Small Craft Group Medal

The 2009 RINA Small Craft Group Medal has been awarded to an individual who has made an outstanding contribution to class dinghy and small craft design.

2010 Annual Dinner outstanding

Members, companies and their guests enjoyed the 2010 Annual Dinner at the Lancaster Hotel, London, in the presence of the Institution's senior Honorary Fellow, HRH The Duke of Edinburgh K.G., K.T.

The Naval Architect wins international award

The 2010 MarineBiz International Maritime Excellence Award for the Best Maritime Media has been presented to The Naval Architect journal.

New Corporate Partners

The Institution welcomes new Corporate partner members in Germany and Serbia.

IJME cited

The International Journal of Maritime Engineering is now included in the leading Science Citation Index ExpandedTM, published by Thomson Reuters.

What is Naval Architecture?

Members' definitions of Naval Architecture and the Naval Architect are revisited.

The 2010 Annual General Meeting was held at the Institution's Headquarters on 29 April 2010. In the absence of the President, the Meeting was chaired by Mr Nick Patisson, Chairman of Council.

Resolutions

The following Resolutions were passed at the Annual General Meeting:

Resolution 1 – To elect Mr P French as President

Resolution 2 – To re-elect Mr A Marsh as Treasurer

Resolution 3 – To elect haysmacintyre as the Institution's auditors for 2010

Elections to Council

The following members were elected to Council in 2010:

Fellows
 P French
 R Curry
 J Paik
 M Palomares
 D Vassalos

Ian Dand receives his Medal of Distinction.



The Chairman of Council opens the 2010 AGM.

Members

K Spyrou
 A Evangelidis
 Chistos Hadjichristou
 I Grant

Associates

G Smyth

Associate Members

R Hindley
 A King

Towards a CFD-based prediction of performance-progress in predicting full-scale resistance and scale effects

J MacGregor, S N Smith and P van der Hoek for their paper
A Family of Offshore Construction Vessels

I W Dand, J Barnes and S Austen for their paper
The Speed of Fast Inflatable Lifeboats

Wakeham Prize

(Best general paper by an author under the age of 30)

Mr D K Kim for his paper
Ultimate strength performance of Suezmax tanker structures pre-CSR versus CSR designs

Calder Prize

(Best high speed craft paper by an author under the age of 30)

N C Townsend for his paper *Sea-Keeping Characteristics of a Model RIB*

W H C Nicholas Prize

(Best paper on a design related topic by an author under the age of 30)

R Pawling for his paper *A Case Study in Preliminary Ship Design*

David Goodrich Prize

(Best paper presented at the annual

Institution medals and prizes

The following medals and prizes were presented at the AGM:

Institution Medal of Distinction

(paper published in the 2009 Transactions)

A Ray, V Seshadri, S Č Singh and D Sen for their paper
Manoeuvring Studies of Underwater Vehicles – A Review

J Paik, D K Kim and M S Kim for their paper
Ultimate strength performance of Suezmax tanker structures pre-CSR versus CSR designs

H C Raven, A van der Ploeg, A R Starke and L Eca for their paper

Warships conference)

Simon Knight for his paper
*Design of HMS Queen Elizabeth &
HMS Prince of Wales*

Austin Farrer Prize
(Best small craft paper by an author
under the age of 30)

A Rolls for his paper
*Effect of water depth on motions in
beam seas for a typical landing craft*

RINA Small Craft Group Medal
Philip Morrison, in recognition of his
outstanding contribution to class dinghy
and small craft design

Treasurer's Report to the AGM

The following report was made at the AGM by the Treasurer:

"The summarised Statement of Financial Affairs for the year ending 30 September 2009 is included with the Annual Report of Council, published online. The full version of the Statement of Financial Affairs is available from the Chief Executive.

Income in 2008/9 was £2.58m compared to £2.95m in 2007/8, whilst expenditure was £2.56m, compared to £2.79m. These figures reflect the reduced level of the Institution's activities, particularly in advertising revenue and sponsorship at conferences, not unexpected, given the state of the global maritime industry over the past year.

There was an operating surplus of £20k in 2008/09, compared with £151k during 2007/08. However, as I reported to you last year, £90k of that £151k surplus related to activities in 2006/7, leaving an operating surplus on 2007/8 activities of £61k. Comparisons of the 2008/09 surplus, of £20k, should therefore be made against that figure. The 2008/09 operating surplus fell short of the budgeted surplus of £35k, again reflecting the greater extent and impact of the downturn in the industry than expected.

The total value of the Institution's funds and investments at 30 September 2009

was £2.57m compared with £2.55m at 30 September 2008. Whilst this showed a modest, albeit welcome increase in value, it was nonetheless a smaller increase than that achieved by the Institution's investments in previous year, reflecting the equally modest improvement in the world financial market.

It has been a difficult year, perhaps even more difficult than was expected, but nonetheless, the Institution has met the challenges of the year well. The increase in membership numbers was not matched by the increase in membership fees, mainly due to the decision to keep the annual increase in fees to a minimum, recognising the difficulties which many members would be facing. Attendance at conferences stood up well, reflecting the quality of the Institution's conferences, and whilst the downturn in the maritime industry had the greatest impact, not unexpectedly, on advertising revenue in the journals. Subjectively the Institution's market share of the reduced global advertising cake remained constant, and may even have increased, again reflecting the quality of the Institution's publications.

It remains Council's policy to maintain reserves at the level of three months' forward operating costs.

The auditors expressed their satisfaction in the manner in which the Institution's Accounts were presented. The Council has therefore approved the Annual Accounts as presented to you in the Statement of Financial Affairs.

Briefly looking ahead, 2009/10 is again proving to be a challenging year, and whilst there is some light at the end of the tunnel, the length of the tunnel is not certain. However, as in previous years, the Institution will continue to monitor the position and take corrective action if required."

President's Address

The President's address was presented in his absence by the Chairman of Council, Mr N Pattison who chaired the AGM.

"At my first AGM two years ago, I confessed to a feeling of great honour but no little trepidation at becoming the Institution's 29th President. At this time last year, I said that the feeling of honour

remained as great, but that perhaps the feeling of trepidation was less. At this, my third and last AGM as President, there is still that feeling of trepidation, but of even greater honour at having had the privilege of serving the Institution as its President for the past three years.

If I may use the words of my predecessor at his last AGM, over the three years I have been the President, I have been increasingly impressed by the standing which the Institution enjoys throughout the international maritime industry, and by the appreciation of members for the way in which the Institution is responding to the needs of its members. I believe that this appreciation of the work of the Institution also extends to the wider naval architecture profession and the global maritime industry.

In my annual address to you during the past two years, I have described the activities and achievements over the past year. On this occasion however, as my predecessors have done, I would like to look back over the past three years. Not, I hasten to add, because I wish to take credit for the institution's achievements over that time. I am only too aware that such achievements are invariably the result of the efforts of many individuals, whether as members of Council, the Institution's standing committees, the Divisional Councils and Branch Committees, or as conference organisers and in many other ways. Without their efforts, the Institution would certainly not be the forward looking, highly respected international professional institution that it is today, with its modern outlook, responsive to the needs of its members and the profession. Nor do I wish to imply that similar change has not occurred during my predecessors' terms of office. However, looking back over the changes over the past three years does, I believe, more vividly demonstrate the scale of that change.

The past three years have been marked by the Institution's continuing drive to increase its internationalism in its membership and activities, by the vital emphasis which it has given to involving the younger members of the profession, and by its efforts to strengthen its links with academia and industry – essential

if the Institution is fulfil that important role of providing a focus between the individual, academia and the maritime industry. At the same time, of course, the Institution has continued to promote and facilitate the exchange of information and discussion through its international publications, conferences and website – its mission statement in 1860, and no less relevant 150 years later in 2010.

Over the past three years, the membership of the Institution has increased each year, and in total by just under 10%. It is now once again at its highest level at any time in the Institution's history.

I paid tribute earlier to the contribution made by the members of Branch Committees. For many members worldwide, the opportunity to meet with other maritime professionals at local Branch meetings represents one of the greatest benefits of membership. Over the past three years, new branches and sections have been formed in Italy, Poland Cyprus, Australia, India and China. All the Institution's branches and sections have had active programmes of technical meetings and other activities. I would like to take this opportunity on behalf of the Institution to thank those members who give willingly and freely of their time to serve on the Branch and Section Committees. Without their efforts such activities would not take place.

Throughout the past three years, the Institution has continued to improve the way in which it promotes and facilitates the exchange of information and discussion – as it has done since it was founded in 1860 – through its international publications, conferences and today, increasingly through the website.

Promoting and facilitating the exchange and discussion of technical and scientific information in 1860 was achieved primarily through the publication of papers in the Transactions – 15 papers published in Volume 1 – and by their presentation at a meeting in London – the Institution's first conference perhaps. Today, the Institution's much respected international conferences are an important part of enabling that exchange of information and discussion. Over

the past three years, the Institution has organised or co-organised 61 conferences and training courses – an increase of nearly 20% over the previous three years – expanding their scope and location, both to meet the changing professional needs of its members and others, and to make them more available. Over the past three years, the Institution's conferences have been organised in the UK, Italy, France, Belgium, Greece, India, Korea, Singapore, Australia, New Zealand, China and Japan – what better demonstration of the internationalism of the Institution?

Over the last three years, the Institution's leading international technical journals were again distributed in over 100 countries, providing the access to up-to-date information that is vital to the professional success of both individuals and companies. During this time, online digital versions of the journals were introduced. This extension of the journals is essential if they are to remain competitive in the modern media era.

Year on year, the Annual Accounts show the importance of the income which the Institution derives from its publications, and particularly its journals. The Institution is grateful for the work of the editorial staff in maintaining such high quality and to the advertising sales and production staff whose efforts ensure the commercial success of the journals.

I spoke earlier of the priority which the Institution has given over the past three years to encouraging the involvement of the younger members of the naval architecture profession in the Institution's activities. It achieves this through student membership, sponsored places at the Institution's conferences, and its prizes and awards which recognise the achievement of students and graduates. Over the past three years, nine new awards have been presented at universities in the UK, New Zealand, Singapore, Malaysia, India and France, joining those already presented in UK, Italy, Poland, France, Canada, Korea Indonesia, Australia, New Zealand, Singapore and China.

These awards and conference places at conferences are sponsored by local industry, and the Institution is grateful to all those companies whose sponsorship makes this possible. The Institution continually seeks

to extend these and other awards, which provide a valuable link between industry and universities.

The Institution has continued to develop its links with universities and colleges through the membership of students and staff, with such links now at more than 60 universities and colleges worldwide. During the past three years, the Institution accredited or reaccredited 32 academic courses that met the Institution's requirements for membership, in universities in the UK, Malta, Serbia, Egypt, Singapore, India and New Zealand, again reflecting the internationalism of the Institution. That such organisations should seek endorsement of their courses by the Institution is yet another example of the standing which the Institution enjoys in the international maritime community.

The Institution also continued to give guidance and assistance to Graduate members in achieving the necessary Initial Professional Development to become Corporate members of the Institution. An increasing number of Graduate member workshops were held during the past three years and the Institution assisted an increasing number of companies in producing Graduate Training Programmes of which 16 were subsequently accredited. It is reassuring that more companies are recognising both the necessity and value of being able to offer graduates such opportunity for career development.

During the past three years, 37 companies and organisations chose to demonstrate their commitment to achieving and maintaining high professional standards by their employees by becoming Corporate Partner members of the Institution. The number now stands at over 80 companies and organisations, ranging from classification societies and shipyards to small design consultancies in 25 counties. This is yet another demonstration of both the internationalism and the standing of the Institution.

The Institution continued to work closely with other organisations which share the Institution's aims and objectives through its Agreements of Co-operation. In the past three years, such agreements have been signed with the Turkish Society of Naval Architects and Marine

Engineers and the Serbian Society of Naval Architects. The Institution continues to play a leading role in the Confederation of European Maritime Technology Societies, of which the Chief Executive is the Chairman.

Whilst naval architects do not have a patent on safety, undoubtedly they and therefore the Institution have an important part to play in improving safety at sea, as well as protecting the environment. During the past three years, the Institution has increased the positive contribution to the work of the International Maritime Organisation which it makes in its capacity as a Non-Governmental Organisation, representing the views of the professional societies which are members of the IMO Naval Architecture Group. I spoke earlier of the contribution which the members of the Institution's standing committees make, and that applies to all the committees. Nonetheless, I feel that I should make reference to the increasing workload of the IMO Committee, which forms the link between the IMO Naval Architecture Group and the IMO. During the past three years, members of the Committee attended an increasing number of IMO Committee, Sub-committee meetings, and actively participated in many of the drafting and working groups. They are of course supported by the Institution's standing technical committees. The Institution can take great satisfaction in its contribution to the work of the IMO where I believe it punches well above its weight as an NGO, and where its contribution is both recognised and valued. The Institution has also become a member of the International Standards Organisation.

The past three years have not been without its challenges to the Institution, as indeed they have for many sectors and companies of the maritime industry and community. As you would expect, the downturn in the industry's activities in the wake of the global financial crisis has had an inevitable and adverse affect all the Institution's sources of revenue, whether from membership, advertising in its journals, attendance at conferences and dividends from its investments.

Over years, the Institution has normally achieved a modest annual operating



Stephen Payne – President of the Royal Institution of Naval Architects.

surplus, whilst at the same time both increasing and improving the services to members, achieving a value for money which I am sure many larger organisation would envy. Keeping membership fee increases to a minimum has contributed to this value. For those members who consider membership fees and conference delegate rates to be high, I would suggest a comparison with those of other professional societies and commercially organised conferences. The Institution faces no little challenge over the next few years in maintaining the level of financial resources which it needs if it is to continue the increase in services to members and its activities which have been such a feature of recent years, and which I believe are essential. However, that is not code for cuts in services and increases in taxes!

In the face of the undoubted difficult times which lay ahead, you may ask what the individual member can do to help. I make no apology for repeating what I said at this time last year. As at any time, but perhaps more necessary at this time, members should seek to promote the Institution – to bang the Institution's drum. Do you have engineering colleagues who are directly involved in the design, construction and maintenance of

marine structures, regardless of whether they are naval architects, who are not members? Do you have colleagues who are not engineers but who are involved or interested in the design, construction and maintenance of marine structures? Would your company benefit from being a Corporate Partner member of the Institution? Would your company benefit from a graduate training programme? Would your company benefit from its employees attending the Institution's conferences? Would your company benefit promoting its product or services through the Institution's publications and conferences? Are your 2010 membership fees still outstanding? If the answer to any of these questions is yes, please contact the Chief Executive who will do the rest in his usual persuasive manner. As I am sure you would agree, this is a great institution – please let the world know – or at least those parts that are not already aware.

As I said at the start of my address, I have described the achievements over the past three years, not to claim credit, but to illustrate the scope and scale of the Institution's achievements. However, I am quite sure that my predecessors could equally well have reported a similar level of change over their terms of office, reflecting the forward looking, responsive organisation that is the Royal Institution of Naval Architects of today.

My three years as President have been three most enjoyable three years, not least to be so closely involved with the changes and achievements I have described. It has undoubtedly been a great honour and a privilege to be the Institution's 29th President. I wish Peter French every success during his term of office as its 30th, and the only advice I would offer is that given by my predecessor – to enjoy the honour and forget about the trepidation.

You now have the opportunity to become involved through the general discussion on the Institution which traditionally follows this address. The floor is yours."

Photographs

Photos taken at the 2010 AGM may be viewed and downloaded online at <http://picasaweb.google.com/RINAPhotographs>

“William Froude – A Sacred Duty of Doubt”

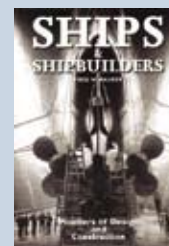
Following the 2010 AGM, Professor Rodney Eatock Taylor gave a presentation “William Froude – A Sacred Duty of Doubt”, commemorating the 200th anniversary of the birth of William Froude.



Professor Rodney Eatock Taylor.

NEW FROM THE RINA BOOKSHOP

Ships and Shipbuilders
Pioneers of Ship Design and Construction
By Fred Walker FRINA



Published by Seaforth, in association with the Royal Institution of Naval Architects

In the past three centuries the ship has developed from the relatively unsophisticated sail-driven vessel which would have been familiar to the sailors of the Tudor navy, to the huge motor-driven container ships, nuclear submarines and vast cruise liners that ply our seas today. Who were the innovators and builders who, during that span of time, prompted and instigated the most significant advances?

In this new book, Fred Walker describes the lives and deeds of more than 120 great engineers, scientists, philosophers, businessmen, shipwrights, naval architects and inventors who shaped ship design and shipbuilding world wide. Covering the story chronologically, and going back briefly even to Archimedes, such well-known names as Anthony Deane, Peter the Great, James Watt, Robert Fulton and Isambard Kingdom Brunel share space with lesser known characters like the luckless Frederic Sauvage, a pioneer of screw propulsion who, unable to interest the French navy in his tests in the early 1830s, was bankrupted and landed in debtor's prison. With the inclusion of such names as Ben Lexcen, the Australian yacht designer who developed the controversial winged keel for the 1983 America's Cup, the story is brought right up to date.

Concise linking chapters place all these innovators in context so that a clear and fascinating history of the development of ships and shipbuilding emerges from the pages.

Members and others who enjoyed the occasional articles by Fred Walker on “Pioneers in Ship Design and Construction” published in RINA Affairs, will delight in this book, available from the RINA Bookshop at a discount on the published price of £25 + p&p.

Price (excl.p&p): £20 (Member £15) - available from RINA Headquarters

Price (incl. p&p): UK £24.00 (Members £19); EUR £25.50 (Members £20.50); OVS £30 (Member £25)

To order Ships and Shipbuilders:

Tel: ++ 44 (0)20 7235 4622; Fax ++ 44 (0)20 7259 5912; Email: publications@rina.org.uk
or order online at www.rina.org.uk/home/showproducts.html?product=6084

The 2010 Annual Dinner was held at the London Lancaster Hotel in London on 29 April 2010, in the presence of HRH The Duke of Edinburgh K.G., K.T, the Institution's senior Honorary Fellow. At the President's Reception before the Dinner, HRH met many members and guests.

As always, the Dinner was well supported by the maritime industry with a number of companies and organisations taking tables and holding receptions.

The President welcomed the Institution's guests, who included many Chairmen and Hon. Secretaries from the Branches, together with representatives of the Institution's Corporate Partner members. Joining him at the Top Table were senior representatives of professional institutions and other organisations in the maritime industry, as well as Past Presidents of the Institution.

Presentation of Honorary Fellowship to Eftthimios Mitropoulos

The President announced the election of Eftthimios Mitropoulos, Secretary General of the International Maritime Organisation as an Honorary Fellow of the Institution.

In announcing the election, the President said that recognition of the significant achievements of individuals – not just in naval architecture but in other diverse maritime fields – by their election as an Honorary Fellow was the highest honour which the Institution could confer upon an individual, and that in the 150 years since the Institution was founded, only 91 Honorary Fellows had been elected.

He said that in the field of maritime safety, no one was more deserving of that honour than Eftthimios Mitropoulos who had been involved with maritime safety for over 40 years, and has devoted over 30 years of his working life to the IMO. Through his leadership as Secretary General of the International Maritime Organisation and in other activities,

Top Table Guests.



HRH meets Past Presidents Dr Marshall Meek, Dr Peter Usher and Sir John Parker.



Members and Guests at the 2010 Annual Dinner.



he had undoubtedly made a significant contribution to maritime safety and the protection of the maritime environment.

The certificate of Honorary Fellowship was presented to Efthimios Mitropoulos by the Institution's senior Honorary Fellow, HRH The Duke of Edinburgh.

In his response, the Secretary General congratulated the Institution on its 150th anniversary, a truly remarkable achievement and testimony to an institution that has manifestly succeeded in maintaining its vitality and continued relevance in the face of massive changes that have taken place over such a long period of time. He expressed his profound personal honour at being elected an Honorary Fellow, but also stated that he was fully aware that the honour conferred on him that evening was a tribute to the International Maritime Organization, which he had had the privilege to serve for many years. Therefore; on behalf of all the Member States of the Organization, as well as the rest of the extended IMO family of international organizations and secretariat staff, he offered a sincere and heartfelt "thank you".

David Moorhouse

The President introduced David Moorhouse, Chairman of Lloyd's Register, as the first speaker for the evening.

In welcoming David Moorhouse, the President said that the links between the

Principal speaker – David Moorhouse.



The IMO Secretary General receives his certificate of election as an Honorary Fellow.

Institution and Lloyd's Register dated back to 1860, when the Institution was formed at a meeting in London on the evening of 16 January. Eighteen persons were present at that meeting, including two Lloyd's Register surveyors. He noted that this year, Lloyd's Register celebrated the 250th anniversary of their founding in 1760.

In opening his speech, David Moorhouse observed that it was not possible to get to be 150 years old without the ability to make a continuous contribution to the maritime community, a contribution that adds real value. He noted that such an achievement has required this Institution to evolve and develop from a domestic based organisation to one that spans the increasingly volatile global maritime environment in which both the Institution and Lloyd's Register work. Nonetheless, he was sure that the Institution would continue to value the UK component of its membership, the component in which its reputation was forged, the reputation which has been key element in its international success. He went on to express his concern that without a strong domestic capability, from which its reputation was also derived and people's perception of it also created, the UK is in danger of losing its leading position in the advancement of ship design and ship science.

The President's Speech

In his speech, the President reflected on how the founding fathers of the Institution would view the changes which have occurred since 1860. He wondered if John Scott Russell, Edward Reed, Nathaniel Barnaby and the other 15 who formed the Institution of Naval Architects were at the Dinner – noting that perhaps they were, in spirit if not in body – would they recognise the Institution they founded, and would they approve of the changes? He looked at some of the changes which the Institution had experienced, to its membership, its activities, including its publications and conferences and most of all in the development of its internationalism.

The President addresses the Annual Dinner.



In concluding his speech, the President stated that the history of the Institution over the last 150 years was reflected in the development of the design and construction of marine vessels and structures, and indeed the maritime industry as a whole. He believed that the

Institution could rightly and proudly claim to have made a significant contribution to that development, both collectively as an international organisation and individually through the work of its members. He felt sure that John Scott Russell, Edward Reed, Nathaniel Barnaby and the others who

formed the Institution of Naval Architects in 1860 be proud of their legacy.

Rev'd Bill Christianson

In introducing the second speaker of the evening the President reminded those present that it was a tradition of the Annual Dinner for the speaker to be a man of the cloth. He therefore took great delight in welcoming back the Rev. Bill Christianson, past Secretary General of the Mission to Seafarers.

The President concluded the Dinner by again thanking the evening's speakers. He wished those who were proceeding homewards a safe journey, and hoped those who would not be leaving quite so soon would enjoy the remainder of the evening before they too had a safe journey home.

The full texts of the Annual Dinner speeches are published on the RINA website. Photos taken at the Annual Dinner may be viewed and downloaded online at <http://picasaweb.google.com/RINAPhotographs>

The Rev. Bill Christianson "Have you heard this one, Sir?"



UNIVERSITY NEWS

Myanmar Maritime University

Myanmar Maritime University has been awarded the ISO 9001:2008 certification. MMU is the first university in Myanmar to attain such international certification.

The TINA – Myanmar Student Naval Architect Award is presented annually at Myanmar Maritime University.

UK Marine Technology Postgraduate Conference 2010

10 - 11 June 2010, Newcastle, UK

The school of Marine Science and Technology at Newcastle University are pleased to announce the UK's 1st Marine Technology Postgraduate Conference (MTPC 2010).

The conference is an opportunity for postgraduate researchers to present their work, learn about research projects at other institutions, network amongst like minded people and make contacts for the future. The conference is also an ideal opportunity for professionals from academia and industry to learn more about the cutting edge research currently taking place within UK marine technology institutions.

Further details may be found at
<http://www.ncl.ac.uk/marine/postgrad/documents/MTPCpdfnew.pdf>

2009 RINA Small Craft Group Medal

The 2009 RINA Small Craft Group Medal was presented at the 2010 AGM to Mr Philip Morrison, in recognition of his outstanding contribution to class dinghy and small craft design.

Philip Morrison's first significant design, the National 12 development class dinghy *China Doll*, was conceived in 1967 whilst still studying Naval Architecture at Southampton College of Higher Education.

Following graduation in 1968, Phil continued designing within both National 12 and International 14 dinghy racing classes, achieving continued success lasting over 25 years.

In the mid-1970s Phil turned to sailmaking, opening a loft at Polegate, near Eastbourne, utilising his own innovative manufacturing process. Ten years later he moved to Exmouth, joining with Peter "Spud" Rowsell, builder of many Morrison designs. The resulting partnership of Rowsell and Morrison subsequently evolved to encompass design, manufacture and development of a wide range of craft, including a number of open class offshore racing yachts and multihulls.

In 1981 Phil commenced a long standing involvement with one-design dinghies

when he "optimised" a racing version of Ian Proctor's Wayfarer, originally designed in 1957. The success of this venture led to further "optimisations" for existing one-design classes and culminated, in 2006, with the Wayfarer Association asking Phil to re-design and update the boat for the current generation.

Since 1992, Phil has been responsible for many of the one-design racing dinghies now an accepted part of the dinghy scene.

Despite his success in dinghies, more exotic projects obviously still fascinated Phil as a designer, leading him to join the design teams for two of the recent British America's Cup Challenges. Even more exotic was the *Challenge Class Ocean Rowboat*, designed in 1996 for Chay Blyth's first two-man Transatlantic rowing race. Further ocean rowboat commissions followed and Phil Morrison is now the designer of choice within this field.

After a career spanning over 40 years, Philip Morrison is now recognised as the UK's leading class dinghy designer of his generation and continues to push the boundaries in this fast and innovative sport. He is surely a worthy recipient of the Institution's Small Craft Medal.

Philip Morrison, awarded to 2009 Small Craft Group Medal and Nick Pattison, Chairman of Council



2010 EVENTS PROGRAMME

WARSHIP 2010: ADVANCED TECHNOLOGIES IN NAVAL DESIGN & CONSTRUCTION

9-10 June 2010, London, UK
<http://www.rina.org.uk/warship2010>

INNOVATION IN HIGH PERFORMANCE SAILING YACHTS (INNOV'SAIL 2010)

30 June - 1 July 2010, Lorient, France
<http://www.rina.org.uk/innovsail2010>

HIGH SPEED MARINE CRAFT

29 - 30 September - 2010, London, UK
<http://www.rina.org.uk/highspeedcraft2010>

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

13-15 October 2010, London, UK
<http://www.rina.org.uk/Fundamentalsoct2010>

SYSTEMS ENGINEERING IN SHIP & OFFSHORE DESIGN

21-22 October 2010, Bath, UK
<http://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
<http://www.rina.org.uk/icsot2010>

THE WILLIAM FROUDE CONFERENCE

24-25 November 2010, Portsmouth, UK
<http://www.rina.org.uk/Williamfroude>

THE DAMAGED SHIP

26-27 January 2011, London, UK
<http://www.rina.org.uk/damagedship2011>

World superyacht young designer award

GALAXY by Rodrigo Roberto Berlim from Brazil

SOLILOQUY by Alastair James Callander, from the UK

RYU by Sukjin Choi, from the USA

RA by Adam Voorhees, from the USA

OMEN 100 by Stephane Zache, from France

The winner of the 2010 World Superyacht Young Designer Award was RA by Mr Adam Voorhees.

“The judges considered that RA was an imaginative design which fully met all aspects of the specification, and showed good consistency and proportion between internal and external aspects of the design.

The judges felt that it was a very “user friendly” design that would appeal to both owner and charterer. The judges were particularly impressed by the designer’s clear understanding of the quality and enjoyment of life on the water - what yachting should be all about.”

The Award was presented by the Chief Executive of RINA, Mr Trevor Blakeley, and Mr Toby Walker of CNI at the 2010 World Superyacht Awards Ceremony, at the Guildhall, London.

RA by Adam Voorhees



Winning entry RA by Adam Voorhees



LIBRARY ADDITIONS

Recent additions to the Denny Library include “Dog Boats at War – The story of the Royal Navy’s D Class MTBs and MGBs 1939 – 1945”

Appointments

A DSouza FRINA

Members taking up new senior appointments include A DSouza FRINA who has been appointed by DNV as the Head of its expanded Middle East and Indian Subcontinent region.

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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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New Corporate Partner member in Germany

The Institution welcomes RWO GmbH – Marine Water Technology of Germany and The Serbian Register of Shipping as the latest companies to demonstrate their commitment to high professional standards by its engineers by becoming Corporate Partner members of the Institution. The Serbian Register of Shipping is the first Corporate Partner member in Serbia.

Companies or organisations, whether large or small, who are interested in becoming a Corporate Partner and thereby demonstrating their commitment to high professional standards should contact the Chief Executive at hq@rina.org.uk for further information.

The Naval Architect journal wins international award

2010 MarineBiz International Maritime Excellence Award for the Best Maritime Media has been presented to *The Naval Architect* journal, published by the Royal Institution of Naval Architects.

The Award was received on behalf of the Institution by Mr Harry Karanasos, Chairman of the RINA UAE Branch, at the ShipTek2010 International Maritime Expo and Conference

Dinner, held in Dubai.

This Award is conferred upon the maritime media which enjoys an inimitable position in the international shipping community. It recognizes the innovative strategies and solutions, depth of insight in the maritime world, undulating reputation of the media in the maritime community for its informative editorial integrity, firm coverage and sharp

analysis of the real stories behind the news headlines. The Judging Panel particularly noted the *The Naval Architect's* quality coverage of environmental issues and the recent feature on the Chinese shipbuilding industry.

Other nominations for the 2010 Award were *Shipping World and Ship Builder*, *Marine Propulsion* and *GreenPort Journal*.

Mr H Karanasos receive the MarineBiz International Maritime Excellence Award.



THOUGHT FOR THE MONTH

It's not the towering sail, but the unseen wind that moves the ship

English Proverb

He that would learn to pray, let him go to sea.

English Proverb

Smooth seas do not make skillful sailors

English Proverb

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

English Proverb

Shanghai Branch

Technical Meeting

The Shanghai Branch's 3rd Technical Meeting was held on 20 April 2010, at the offices of DNV Shanghai. Unfortunately the impact of the volcanic eruption in Iceland was felt in Shanghai, when the planned speaker, also from DNV, was grounded in Europe. However, thanks to the support of DNV Shanghai, Mr. Hans Ramsvik, Pre-contract/Market Intelligence, DNV Shanghai Approval Centre, stepped into the breach with a presentation "Quantum – a container ship for the future". "Quantum" is the name of a new container ship concept introduced by DNV. The new concept is based on both technical and market research and innovation and is designed to transport more cargo while using less fuel and with a reduced environmental impact.

The meeting was well attended by representatives of designers, owners, classification societies. During and after the presentation, there were active discussions on various technical and market issues which were brought up by the industry. The aim of the Shanghai Branch by such meetings is to keep the industry informed on the activities of the marine & shipping industries, arousing interests of marine professionals, maintaining the



Ben Lau presents Hans Ramsvik with a Certificate of Appreciation.

healthy development of the industry, and encouraging continuing professional development. This aim was well met by the 3rd Technical Meeting.

As a token of appreciation, Mr. Ramsvik

was presented with the Certificate of Appreciation and the book on maritime interest.

*Ben Y. W. Lau, Honorary Secretary,
Shanghai Branch*

New South Wales Section

The NSW Section held its 12th AGM on the evening of 3 March, following the March technical presentation in the Harricks Auditorium at Engineers Australia, Chatswood, attended by 10 with Graham Taylor in the chair.

John Jeremy, past President of the Australian Division of RINA, gave a presentation on *A Forensic Analysis of the Wrecks of HMAS Sydney and HSK Kormoran* to a joint meeting with the IMarEST attended by 42 on 3 March in the Harricks Auditorium at Engineers Australia, Chatswood. This was the highest attendance at a technical meeting since the move of EA from North Sydney to Chatswood in May 2006, being just headed by Steve Quigley and Rob Tulk's presentation on *Design and Construction of Cutting-edge Vessels* in August 2007 with an attendance of 46.

Eric Clarke of MAN Diesel & Turbo Australia gave a presentation on Developments in Marine Diesel Engines to a joint meeting with the IMarEST attended by 31 on 4 April in the Harricks Auditorium at Engineers Australia, Chatswood.

Andrew Baglin, PhD student at the University of New South Wales, gave a presentation on *Ship Resistance Reduction Using Super-Hydrophobic Surfaces* to a joint meeting with the IMarEST attended by 18 on 5 May in the Harricks Auditorium at Engineers Australia, Chatswood.

Phil Helmore

UNIVERSITY NEWS

Myanmar Maritime University

Myanmar Maritime University has been awarded the ISO 9001:2008 certification. MMU is the first university in Myanmar to attain such international certification.

The TINA – Myanmar Student Naval Architect Award is presented annually at Myanmar Maritime University.