

EUROPEAN FEDERATION OF CORROSION
EUROPÄISCHE FÖDERATION KORROSION
FÉDÉRATION EUROPÉENNE DE LA CORROSION



BOARD OF ADMINISTRATORS

Edinburgh, Scotland

September 7, 2008

WORKING PAPERS

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WORKING PAPERS

Meeting of the Board of Administrators

of the

European Federation of Corrosion

Edinburgh, Scotland, September 7, 2008

Venue of meeting: **Edinburgh International Conference Centre
The Exchange – 150 Morrison Street
EH3 8EE Edinburgh
Scotland
Room Tinto (Ground Floor - Level 0)**

Date and time of meeting: **Sunday September, 7 - 14h00**

Chairman: **Prof. Dr. Ing. Michael Schütze (EFC President)**

Secretary: **Mrs Pascale Bridou Buffet (Paris Office)**

**EUROPEAN FEDERATION OF CORROSION MEETING OF THE
BOARD OF ADMINISTRATORS, EDINBURGH, 7th SEPTEMBER 2008, 14.00 p.m.**

PROPOSED AGENDA

- Item 01 Opening of the meeting
- Item 02 Apologies for absence
- Item 1 Approval of the Agenda and Adoption of the Minutes of the Last Meeting of BoA
- Item 2 Administrative Matters
 - 2-1 EFC Membership
 - 2-2 Proposal(s) of new EFC Award(s)
 - 2-3 Secretariat Efficiency
 - 2-4 Flyer “What is the EFC”
 - 2-5 EFC Presidency and Vice-Presidency
- Item 3 Report on STAC Activities
- Item 4 EFC Strategy Group
 - 4-1 Proposed Rolling 5-year Strategic Development Plan
 - 4-2 Proposal to provide the Scientific Secretary with assistance for specific tasks
- Item 5 Liaisons with other organisations
 - 5-1 EFC/NACE Collaboration
 - 5-2 World Corrosion Organisation
 - 5-3 FEMS
- Item 6 Finance
- Item 7 EUROCORR Series: 2008 to 2011
 - 7-1 Situation regarding the insolvency of NCC
 - 7-2 Financial Outcome of EUROCORR 2007 Freiburg
 - 7-3 Report on EUROCORR 2008 Edinburgh
 - 7-4 Preparations for EUROCORR 2009 Nice
 - 7-5 Preparations for EUROCORR 2010 Moscow
 - 7-6 Preparations for EUROCORR 2011 Stockholm
- Item 8 EFC Activities and Projects
 - 8-1 Scientific Secretary's Report on his Work
 - 8-2 EFC Publications
 - 8-3 EFC Web Site
 - 8-4 Ways of making EFC the most attractive International Corrosion Society
 - 8-5 Ways of increasing Participation by Industry
 - 8-6 EFC Endorsement of Corrosion Courses organised by Member Societies
 - 8-7 Interaction with the European Commission
- Item 9 EFC Calendar of Events
- Item 10 Any other Business
- Item 11 Date and Place of next BoA

WORKING PAPERS OF THE EFC BOARD OF ADMINISTRATORS

Item 01 Opening of the meeting

Mr. Schütze, President of the EFC, chairman of the meeting, will welcome delegates.

Item 02 Apologies for Absence

Mrs. Bridou Buffet, Paris Office, will announce apologies for absence.

Item 1 Approval of the Agenda and Adoption of the Minutes of the last Meeting

1-1 BoA members will be asked to approve the proposed agenda.

1-2 BoA members will be asked to approve the minutes of the London meeting (6 March 2008) and to raise any matters not covered in the present agenda.

Item 2 Administrative Matters

2-1 EFC Membership

The Frankfurt Office will report progress on the recruitment of new members (Kuwait, Libya and Slovakia).

The Presidents' Advisory Committee has suggested that consideration should be given to a new category of membership entitled "Industrial Affiliates", the subscriptions from which could be used to support EFC activity, including participation in the WCO. The BoA will be invited to discuss this proposal.

2-2 Proposal(s) of new EFC Award(s)

Suggestions for two new EFC Awards, one for outstanding industrial innovation in corrosion and the other for the most highly regarded addition to the EFC Series of books were discussed during the London BoA in March.

However, a new award for industrial innovation would duplicate the existing the EFC Medal, originally intended for practical achievement (whereas the Cavallaro Medal is for scientific achievement).

On the other hand, Mr. Gubner suggested that there should be an award for the best corrosion-related PhD thesis of the year.

These proposals will be discussed and recommendation will be made to the General Assembly.

2-3 Secretariat efficiency

To make easier to respond to enquiries from third parties, it has been proposed by the EFC Strategy Group that one of the three Offices of the EFC should be nominated as a

central point of contact from which enquiries could be forwarded to the other Offices, where appropriate. This topic will be discussed at a meeting of the three Secretariats in Edinburgh on 6 September and the Frankfurt Office will make proposals to the BoA which, in turn, will inform the General Assembly.

2-4 *Flyer “What is the EFC?”*

A publicity flyer entitled “What is the EFC” is being prepared by Frankfurt Office. A prototype of this is already available (see **Appendix 1**). The latest version will be tabled in Edinburgh for consideration by the BoA.

It is intended that the flyer will be widely distributed in order to enhance peoples’ awareness of the Federation.

2-5 *EFC Presidency and Vice-Presidency*

Michael Schütze’s term as EFC President will end in 2008. The current Vice-President, Philippe Marcus, is to be proposed to the General Assembly as EFC President from 1st January 2009.

Therefore, it is now necessary for the BoA to identify a new Vice-President for appointment by the General Assembly in Edinburgh and to take up office in the New Year.

As decided during the meeting in March, the BoA will recommend to the General Assembly Mr. Rolf Gubner for election as Vice-President.

Item 3 *Report on STAC Activities*

Mr. Féron, Chairman of STAC, will review progress in the STAC.

Item 4 *EFC Strategy Group*

4-1 *Proposed Rolling 5-year Strategic Development Plan*

An action was placed on Scientific Secretary to propose a 5-year strategic development plan for the EFC, following discussions with Don Harrop and the Honorary Treasurer, and outline proposals were discussed last September in Freiburg.

Further discussion of the plan took place during the meeting of the EFC Strategy Group in Nice on 23 June, where the Hon. Treasurer presented a financial model that can be used to assess the impact on the Federation’s finances of alternative strategies.

Mr. McIntyre and Mr. Milbank will report on progress.

4-2 *Proposal to provide the Scientific Secretary with assistance for specific tasks*

It was proposed in the EFC Strategy Group that the possibility should be explored of finding volunteers to help the Scientific Secretary with specific tasks such as the identification of priority topics for publication in the EFC Series and the identification of authors to address these topics.

The Board of Administrators will be invited to contribute its suggestions.

Item 5 Liaisons with other Organisations

5-1 EFC/NACE Collaboration

The President will review the status of EFC/NACE Collaboration, including a report on the NACE Corrosion Conference in New Orleans, Louisiana on 16-20 March 2008 and the EFC-NACE meeting on March 19 (see **Appendix 2**).

5-2 World Corrosion Organisation

The EFC President, who is also President of the WCO, and the EFC Scientific Secretary, participated in meetings of the World Corrosion Organisation which took place in conjunction with the NACE CORROSION 2008 Conference in New Orleans during March 2008 (see **Appendices 3 and 4**).

The EFC President and the EFC Scientific Secretary will report on progress of the relationship between WCO and EFC including direct relationship with the EFC Members.

5-3 FEMS

Progress with FEMS will be presented to BoA members.

Item 6 Finance

The Honorary Treasurer will present the EFC Financial Report, which is to be circulated in advance of the meeting. He will propose possible evolution of the membership fees and various items of expenditure, and a budget for 2009.

The BoA is invited to approve the Honorary Treasurer's Report and proposals.

Item 7 EUROCORN Series: 2008 to 2011

7-1 Situation regarding the insolvency of NCC

The Scientific Secretary has established contact with the advocate dealing with the insolvency of NCC and will report on progress.

7-2 Financial Outcome of EUROCORN 2007 Freiburg

Mr. Meier will present the accounts.

7-3 Report on EUROCORN 2008 - Edinburgh

A report on the preliminary results of the forthcoming **EUROCORN 2008** in Edinburgh will be presented.

7-4 Preparations for EUROCORN 2009 - Nice

EUROCORN 2009 will be held on **6 - 10 September 2009**, in Nice, co-organised by CEFRACOR, ENSCP and FFC in close collaboration with DECHEMA. The general theme will be **"Corrosion from the Nanoscale to the Plant"**.

The preliminary arrangements for EUROCORR 2009 will be presented by the organisers.

7-5 *Preparations for EUROCORR 2010 - Moscow*

EUROCORR 2010 will be held on **13 - 17 September 2010** in Moscow.

Mr. Muradov will report on the preliminary arrangements for EUROCORR 2010.

7-6 *Preparations for EUROCORR 2011 - Sweden*

EUROCORR 2011 will be held on **5 - 8 September 2011** in Stockholm at the Stockholm International Fairs and Congress Centre.

M. Rolf Gubner will report on the preliminary arrangements for EUROCORR 2011.

Members are reminded that bids to host **EUROCORR 2012** should be submitted in writing to the Scientific Secretary **by 31st December 2008**. To date (23 July 2008) no bids have been received.

Item 8 EFC Activities and Projects

8-1 *Scientific Secretary's Report on his Work*

The Scientific Secretary will present his report covering activities since the last meeting of the BoA in London on 6th March (see **Appendix 5**).

The BoA is invited to approve the Scientific Secretary's Report.

8-2 *EFC Publications*

The Scientific Secretary will report on recent additions to the EFC Series and new titles currently in preparation (see **Appendix 6**).

8-3 *EFC Website*

The EFC website is playing an increasingly important role for communication both by the EFC official bodies and the whole European corrosion community. Regular updates and the provision of current and helpful information are essential.

Because of the effort required to satisfy these growing requirements it was decided last year that the internet team at DECHEMA should be strengthened by a corrosion scientist working part time for the EFC. This incurs additional costs of € 4,000 per year, which were approved by the General Assembly in Freiburg.

Roman Bender from the Frankfurt Office will make a presentation to the BoA about the enhancements he has made to the EFC web site during the past year.

8-4 *Ways of making EFC the most attractive International Corrosion Society*

The BoA will be invited to discuss ways of making EFC the most attractive international corrosion society, for example by extolling the benefits available to its members and by highlighting features that distinguish it from other international organisations, including:

- Access to the EFC Working Parties;
- The kudos of belonging to EFC;
- Networking opportunities (including international communities);
- Current information about events, activities and what is going on in corrosion engineering at European and international levels;
- Discounts on EFC Products and Services (30 % off all EFC publications and 10 % off EUROCORR registration fees);
- The opportunity to organise EUROCORR;
- Full membership of the World Corrosion Organisation (WCO) included in the fee.

A new idea from the EFC Strategy Group is to provide a forum during EUROCORR at which the Presidents of the EFC Member Societies could meet for lively discussions with the BoA on matters of mutual interest. BoA Members are requested to submit any other ideas to the Scientific Secretary (paul.mcintyre@iom3.org) before the BoA meeting.

8-5 *Ways of increasing Participation by Industry*

The present level of industrial participation at EUROCORR is generally little more than 15 %. If this could be increased significantly, there might be scope to obtain financial sponsorship from industry for certain of EFC's activities. Possible ways of increasing participation by industry could include, for example:

- A more extensive exhibition at EUROCORR;
- Job fairs to facilitate the recruitment of personnel at EUROCORR;
- Industry-oriented sessions at EUROCORR;
- Additional EFC Conferences focusing on particular sectors of industry;
- Encouragement for more industrial representatives to join the BoA;
- Special flyers tailored to particular sectors of industry for each EUROCORR conference.

The BoA is invited to discuss these possibilities and propose additional ideas.

8-6 *EFC Endorsement of Corrosion Courses organised by Member Societies*

Possible opportunities for EFC to benefit by endorsing Corrosion Courses organised by its member societies will be discussed.

During the London meeting it was agreed that the EFC needs an inventory of all corrosion courses (national and international) and that this task should be undertaken by EFC Working Party 7 (Corrosion Education). At the same time certification should be covered by producing an update of EFC Publication Number 6, which was last updated in 1999.

EFC could be involved in the big efforts of recognition of the different certification systems both in the different European countries and in NACE.

BoA Members are requested to make proposals to involve EFC in a big effort in certification and education.

8-7 *Interaction with the European Commission*

The President will report on his visit to Brussels to meet with representatives of the EC Directorate G "Industrial Technologies" on 16 July 2008.

Item 9 EFC Calendar of Events

The Scientific Secretary will introduce an update of forthcoming events in the EFC Calendar, which now includes important non-EFC events (see **Appendix 7**).

Item 10 Any other Business

Members are invited to raise any other matters.

Item 11 Date and Place of next BoA

The next BoA meeting will be held in spring 2009, on a date and in a place to be decided.

APPENDICES

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APPENDIX 1

FRIENDS OF EFC-APPLICATION FORM

Address: _____

Family Name: _____

First Name: _____

Company: _____

Department: _____

Street/P.O. Box: _____

Post/ZIP Code: _____

City: _____

Country: _____

Phone: _____

Fax: _____

E-mail: _____

I wish to receive the annual EFC Newsletter (please tick)

☐ yes ☐ no

I wish to receive information about EUROCORR regularly (please tick)

☐ yes ☐ no

I am interested in the following area(s) of corrosion and wish to receive information about the corresponding EFC Working Party(ies) (please choose from the list on the reverse page):

Please return the form by post to the EFC General Secretariat at DECHEMA or fax it to: **0049 (0)69 7546-299**

EUROPEAN FEDERATION OF CORROSION

General Secretariat

The offices of the General Secretariat are based at three major scientific societies:

The Institute of Materials, Minerals and Mining
1 Carlton House Terrace
London SW 1Y 5DB, UK
Tel.: +44 207 839 40 71
Fax: +44 207 839 22 89
E-mail: paul.mcintyre@iom3.org
Tasks: Finances, EFC books, EFC Newsletter

DECHEMA e.V.
Theodor-Heuss-Allee 25
60486 Frankfurt am Main, Germany
Tel.: +49 69 7564-143/-209
Fax: +49 69 7564-299
E-mail: meier@dechema.de, honndorf@dechema.de
Tasks: Membership matters, EFC website

Fédération Française pour les sciences de la Chimie
28, rue St.-Dominique
75007 Paris, France
Tel.: +33 1 5369 0218
Fax: +33 1 4555 4033
E-mail: pascal.bridou@wanadoo.fr
Tasks: Committee matters, EFC awards

  

EFC

EUROPÄISCHE FÖDERATION KORROSION
EUROPEAN FEDERATION OF CORROSION
FÉDÉRATION EUROPÉENNE DE LA CORROSION

What is EFC?

www.efcweb.org

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APPENDIX 1 (Continued)

EUROPÄISCHE FÖDERATION KORROSION
EUROPEAN FEDERATION OF CORROSION
FEDERATION EUROPEENNE DE LA CORROSION

What is the EFC?

The EFC is a federation of over 30 societies with interests in corrosion based in twentyfive different countries in Europe and beyond. Altogether, its member societies represent the corrosion interests of more than 25,000 engineers and scientists. Founded in 1965, its aim is to advance the science of corrosion and protection of materials by promoting cooperation in Europe and collaboration internationally. The EFC is registered in Belgium and has secretariats in France, Germany and the UK.

To enhance scientific and technological cooperation worldwide, the Federation closely cooperates with NACE. It is also a founder member of the World Corrosion Organisation (WCO), a prime aim of which is to increase public and political awareness of corrosion and to advise governments, industries and communities about corrosion and its migration.

The EFC has recently expanded its horizons beyond the confines of Europe by admitting International Members.

By being a member of EFC national corrosion societies can offer all the advantages of a European and International network to their individuals and corporate members.

www.efcweb.org

Working Parties

The EFC accomplishes its most important activities through 18 working parties devoted to various aspects of corrosion and its prevention:

- Corrosion and Scale Inhibition
- Corrosion by Hot Gases and Combustion Products
- Nuclear Corrosion
- Environment Sensitive Fracture
- Surface Science
- Corrosion Education and Computer Applications
- Physico-chemical Methods of Corrosion Testing
- Marine Corrosion
- Microbial Corrosion
- Corrosion of Steel in Concrete
- Corrosion in Oil and Gas Production
- Coatings
- Corrosion in the Refinery Industry
- Cathodic Protection
- Automotive Corrosion
- Tribo-Corrosion
- Corrosion of Polymer Materials
- Corrosion and Corrosion Protection of Drinking Water Systems

The activities of the working parties include the organisation of technical sessions at EUROCORR and specialised courses and workshops, participation in collaborative research and testing programmes, as well as the preparation of reports, guidelines, draft standards, and proceedings for publication in the highly regarded EFC Series of 'green books' of which there are now over fifty.

EUROCORR



The European Corrosion Conference – EUROCORR, the EFC's annual conference, is the flagship event of the European corrosion calendar. Attracting upwards of six hundred delegates, it is held every year in September in a different European country. EUROCORR is famous for its high technical standard and its popular social programme.

Further information can be found on the congress website at **www.eurocorr.org**

EFC Membership Card

All members of a national EFC Member Society qualify for reduced registration fees at EUROCORR and conferences organised by an EFC Member Society and a discount on EFC publications.

Friends of the EFC

Has this aroused your interest in the work of EFC?

Then why not become a **Friend of the EFC**.

Friends of the EFC regularly receive information about EUROCORR and other events of importance to the community, publications, scientific activities of the Working Parties, as well as the EFC Newsletter free of charge.

To register as a Friend of the EFC, please complete the application form on the reverse or on the EFC website at **www.efcweb.org**.

APPENDIX 2

European Federation of Corrosion & NACE International
Location: CORROSION 2008, New Orleans, Hilton Riverside Hotel
Date: March 19, 2008

Attendees:

EFC:

Dr.-Ing Michael Schütze, EFC President
 Dr. Philippe Marcus, Incoming EFC President
 Dr. Rolf Gubner, Incoming EFC Vice President
 Dr. Paul McIntyre, EFC Scientific Secretary

NACE:

Dr. Louis Vincent, NACE President
 Robert Herbert, NACE Vice President
 Mark Byerley, Sr., NACE Vice President-Elect
 David Webster, NACE Past President
 Helena Seelinger, Sr. Director, NACE Staff

1.0 Cooperation between Working Parties and NACE STGs.

There were questions about the status of a previous action item to increase communication between WPs and STGs. It was also noted that this year was the first time EFC has included a member of NACE, Bob Herbert, as a member of its International Scientific Committee.
 ACTION ITEM: Seelinger to ask Linda Goldberg to report on the status of the exchange of minutes and agendas.

2.0 Posting of Events on Websites.

The EFC meetings should be included on the NACE website event calendar (Laurie Colicci has the information for EUROCORR 2008 in Edinburgh). Other future EUROCORR meetings include Nice in 2009, Moscow in 2010 and Sweden in 2011. Also, EFC asked and NACE agreed that NACE also will list the dates of EFC Working Party meetings, upon receipt of the information from EFC.

3.0 Joint EFC/NACE Conference.

It was suggested that EFC and NACE might partner to deliver an event in Europe that is focused on one particular technology, with the event crafted to not compete with EUROCORR.

4.0 NACE Communications with Official Bodies in Europe.

EFC explained that a small controversy erupted when a NACE staff person visited with an office of the European Commission, and then proceeded to communicate misguided results directly to a bulk list of members in a way that was confusing and upset several long-time EFC members. The members perceived that by NACE not involving EFC, and bypassing EFC, was an attempt to "Take Over." NACE officers agreed that the incident left the perception that NACE had taken an action that affected EFC, but then communicated with EFC only after the fact, and that this action/perception was unacceptable to all parties. President Vincent said that the NACE Executive Director will be strongly urged to ensure that more thought and collaboration is given to future NACE staff communications with European members or entities.

APPENDIX 2 (Continued)**5.0 Publication on Water Treatment.**

EFC explained that it has considerable revenue attached to the sale of publications, and that the history of the new NACE TCC “publication” included material from one of its sale publications, which will not be sold after the TCC document is published. EFC asked if NACE should consider royalty payments. It was agreed that NACE should. ACTION ITEM: Seelinger will determine if the TCC “publication” is a publication (book) or a report (which would be given away free to NACE members). Seelinger will then ask NACE’s Gretchen Jacobsen to suggest options for a business agreement involving distribution, royalties, and branding. If the current TCC document is a “report,” then consideration should be made to re-titling it as a “publication” so that it is not distributed for free by NACE.

6.0 Visibility of Booths at CORROSION and EUROCORR.

EFC commented that the EFC complimentary booth at CORROSION 2008 was in a low-traffic area. All understood the difficulty of positioning complimentary booths, and it was suggested that the EFC and NACE booths be in close proximity at both EUROCORR and CORROSION. Further discussion resulted in an agreement that the conference host (NACE or EFC) would incorporate the visiting organization’s booth into their own booth at a given event. As an example, at CORROSION/2009, inside the NACE booth, there would be a visible stand for NACE’s partner or sister organizations, and the guest organizations would be encouraged to set out printed collateral at the stand. In this example, NACE would supply the graphics such that they match the overall theme of the NACE booth at CORROSION 2009, but NACE would also include the guest organizations’ logos on the graphics for their stand. This would work likewise when NACE attends EUROCORR. It eliminates the need to be concerned about traveling with booths. As a side matter, NACE officers agreed the same arrangement would be useful with ACA.

7.0 Next meeting: EUROCORR 2008 in Edinburgh.

Respectfully Scribed by:

Helena Seelinger, NACE

APPENDIX 3

World Corrosion Organisation Minutes of the Meeting of the Board of Administrators New Orleans Hilton Riverview Tuesday, 18 March 2008

1.0 Welcome

Michael Schuetze called the meeting to order at 8:35 am and welcomed all present.

Members and guests introduced themselves, as follows:

Michael Schuetze, EFC	WCO President
En-Hou Han, CSCP	WCO Vice-President
George Hays	WCO Director General
Rhonda Wagner, NACE	WCO Treasurer
Wayne Burns, ACA	WCO BoA Member
Amir Eliezer, CAMPI	WCO BoA Member
Paul McIntyre, EFC	WCO BoA Member
Brenda Peters, ICorr (representing Stuart Lyon)	WCO BoA Member (substitute)
Ghadyer Al-Summari, Saudi Engineering Council	WCO BoA Member
David Webster, NACE	WCO BoA Member
Michael Boardman, ACA	Guest
John Grapeliga, ACA	Guest

2.0 Approval of agenda

The agenda was approved

3.0 Approval of the minutes of the meeting in Freiburg (September 8, 2007)

The minutes of the meeting were approved subject to the following changes:

3.1 Attendance list

The WCO President requested that the international spelling of his surname (Schuetze) should be used in the Attendance List, rather than “Schütze”.

3.2 Clause 6

Paul McIntyre pointed out that Goal 3 (To facilitate the provision of corrosion and corrosion control expertise to governments, industries and communities) is relevant in all parts of the world (not just the developing world).

4.0 Proposals for elections

George Hays suggested that a recommendation should be made to the General Assembly that the President and Vice-President should be re-elected for a second one-year term of office. Also, he suggested that the term to be served on the Board of Administrators by Ghadyer Al-Summari should be extended by one year.

There was unanimous support for these proposals.

APPENDIX 3 (Continued)

5.0 Membership status

5.1 Unpaid Members

George Hays reported that as of the previous week, payment of the WCO membership dues was still awaited from a number of members including EFC, Kuwait, Lithuania, Saudi Arabia, Turkey and Venezuela.

Paul McIntyre, speaking on behalf of the EFC, stated that he had authorised payment on behalf of the Federation and eleven of its member societies over one month earlier, and apologised for the delay. Ghadyer Al-Summari said that the Saudi payment was in the post.

5.2 Rotation of representatives on the BoA from the four Founder Members

George Hays explained that each of the four Founder Members should be given the opportunity to nominate a new member on the BoA (or to re-nominate its existing member) once every four years. However, for the sake of continuity, it would be desirable to stagger the changes so that only one took place each year. He requested that the four individuals concerned (Wayne Burns, Kwei Gao, Paul McIntyre and David Webster) should decide among themselves how this rotation should be managed so that one would begin his new term in 2009, and the others in 2010, 2011 and 2012.

5.3 General Members

George Hays announced that the number of WCO General Members had risen to 23, in addition to the four Founder Members (ACA, CCSP, EFC and NACE), as follows:

- Asociace Koroznich Inzenyru (Czech Republic)
- CAMPI (Israel)
- Centre Francais de l'Anticorrosion (France)
- Corrosion Association of Venezuela (Venezuela)
- Corrosion Engineering Association of ROC (Taiwan)
- Croatian Society for Materials Protection (Croatia)
- Dechema e.V (Germany)
- Gesellschaft fur Korrosionsschutz e.V. (Germany)
- Institute of Chemistry (Lithuania)
- Institute of Corrosion (UK)
- Institute of Materials, Minerals and Mining (Great Britain)
- Israel Corrosion Forum (Israel)
- Japanese Society of Corrosion Engineers (Japan)
- KIMAB (Sweden)
- Libyan Corrosion Society (Libya)
- Marine Corrosion Forum (UK)
- Materials Technology Institute, Inc. (United States)
- Saudi Council of Engineers (Saudi Arabia)
- SSPC (United States)
- SVUOM Praha (Czech Republic)
- The Corrosion Association in Turkey (Turkey)
- University of Kuwait (Kuwait)

Mr. Hays stated that another five societies, from Egypt, India, Indonesia, Korea, and Malaya were also planning to join and it seemed likely that the original goal of attracting thirty members to the WCO within the first 24 months would be achieved.

APPENDIX 3 (Continued)

6.0 Treasurer's Report

Rhonda Wagner reminded members that the financial year of WCO runs from 1 July to 30 June. This was to avoid a clash with NACE's financial year.

6.1 2006/2007 Fiscal Year

During the 2006/2007 financial year, income had amounted to \$21,750. Expenditure, mainly on costs associated with setting-up the organisation, obtaining tax exempt status in the United States, acquiring a P.O. box in New York, etc., had amounted to \$7,675. This yielded a surplus for the year of \$14,075, which was carried forward.

6.2 2007/2008 Fiscal Year (to 28 February 2008)

The end of February marked completion of the eighth month of the 2007/2008 financial year. Up to that date, the annual dues received from seven member organisations had amounted to \$5,500, but only 8/12 of that sum (i.e. \$3,467) could be credited as income to that point. Expenditure to date had amounted to \$11,990. This included \$10,081 on legal, professional and bank charges incurred in establishing WCO as a charitable (tax exempt) organisation, \$1,543 on postage and printing, together with other expenditure of \$366. There was, thus, a deficit of \$8,523 for the year to date, and NACE was having to be reimbursed using money from the WCO bank account. However, the expectation was that the Organisation would be in credit by the end of the current financial year. Rhonda Wagner undertook to send out invoices promptly, on or around 1 July, in future.

Michael Schuetze asked whether it would be permissible for WCO to build up reserves. George Hays explained that this would be permissible providing that the money were only to be used for certain purposes. David Webster added that in the United States, it is necessary to spend 80 % of the accumulated reserves within one year.

Wayne Burns asked about the level of membership dues and the difference between Founder Members and General Members. George Hays replied that for the first year these had been set at \$4,500 for Founder Members and \$450 for General Members. It had agreed that for the second year these would be reduced to \$1,900 and \$100, respectively. The Founder

Members included the most solvent societies which had been committed to funding the operation at a higher level, in return for which they have a permanent seat on the Board of Administrators.

7. 2008/2009 Budget development

Rhonda Wagner and George Hays anticipated a total income of \$31,900 for 2008/2009, comprising \$11,900 from Founder and General Member dues and \$20,000 from Affiliate Members.

Planned expenditure amounted to \$31,000, including \$29,000 on activities such as advertising, translation into different languages, and assistance with public relations in connection with approaches to the UN, \$1,500 on meetings, and \$500 on other purchases, leaving a net surplus for the year of \$900.

8. Status of activities regarding the 4 goals of WCO

8.1 Goal 1: To raise public awareness of corrosion and corrosion protection (ACA)

Wayne Burns reported that a number of initiatives were being explored. Some currently-available corrosion videos had been acquired and a sub-group had been formed to produce a single video to

APPENDIX 3 (Continued)

get the message on corrosion education out internationally. Michael Schuetze thought that it would also be useful to prepare an inventory of corrosion education courses based on input from all of the WCO's member societies.

ACA is establishing a corrosion ambassador programme to inform teachers at secondary schools, colleges and universities about the importance of corrosion and Wayne Burns proposed that similar programmes should be implemented elsewhere.

ACA has also identified the need for a new cost of corrosion study in Australia to convince politicians of the need to become more involved in support for corrosion education. Michael Schuetze recommended that environmental considerations should also be included in arguments to politicians. Wayne Burns undertook to add a green twist to the message to politicians.

8.2 Goal 2: To identify world best practices in corrosion management (CSCP)

En-Hou Han reported that Kewei Gao had circulated proposals relating to the implementation of this goal during November 2007, as follows:

- Invite government officials to attend academic events (conferences, seminars, etc.) to make them aware of the importance of corrosion research to humanity and the environment with a goal of having them fund corrosion research and corrosion abatement activities.
- Similarly, to invite industry leaders to attend such events to encourage them to fund corrosion research and implement corrosion abatement activities.
- Encourage governments to provide loans without interest or with low interest to the industries when they develop and implement corrosion mitigation programs.
- Provide a worldwide platform for researchers, institutions and other organizations to disseminate and share their innovations in the field of corrosion abatement.
- Assure that all major investment programs (government, industry, agriculture, infrastructure, etc.) undergo environment evaluation before implementation. Encourage governments to adopt regulations to assure that such evaluations are completed and reviewed before government funded projects are approved for implementation.

8.3 Goal 3: To facilitate the provision of corrosion control expertise to governments, industries and communities (EFC)

Paul McIntyre explained that EFC had decided to organise a special workshop on the current status of knowledge and future research needs in the field of corrosion to be held in conjunction with EUROCORR 2008 in Edinburgh on 11 September 2008. The output from the workshop will be a report for use by WCO to provide information to governments, industries and others.

It had since been decided that this workshop would become the first in a series of workshops to be organised on behalf of WCO by Günter Schmitt, chairman of EFC Working Party 1 on Corrosion and Scale Inhibition.

8.4 Goal 4: To normalise corrosion standards worldwide (NACE)

Dave Webster reported that a workshop will be held during NACE Corrosion Technology Week in Salt Lake City in late September. The aim would be to establish what standards exist on corrosion education and certification. The output from this workshop will be fed into Günter Schmitt's workshop at the International Corrosion Congress in Las Vegas during October 2008.

APPENDIX 3 (Continued)

9 Old Business

9.1 Series of Workshops/WCO study

It was reported that a series of preliminary workshops and a final workshop was planned take place under the chairmanship of Günter Schmitt, as follows:

- i) Edinburgh, 11 September 2008 (in conjunction with EUROCORR 2008);
- ii) Beijing, September 2008 (in conjunction with the CSCP BoA);
- iii) Las Vegas, October 2008 (in conjunction with ICC 2008);
- iv) Wellington, November 2008 (in conjunction with ACA's annual conference);
- v) Atlanta, March 2009 (in conjunction with NACE Corrosion 2009).
- vi) Frankfurt, Spring 2009 (Final Workshop).

9.2 Bylaws

It was agreed that the term "Affiliated Members" would be used in the Bylaws instead of "Associated Organisations" because it is less loose.

9.3 Affiliate Membership Agreement

George Hays stated that WCO needs more income to achieve its aims and that this would be sought from organisations wishing to register as WCO Affiliate Members for an initial fee of \$1,000 per annum. To become affiliates, the organisations must support the purpose of the WCO and abide by its rules.

Michael Schuetze thought that \$1,000 might be affordable but was concerned that some companies would want to see how WCO progresses before becoming affiliates. He felt that it should be possible to enrol one international company in Germany within the next 12 months, and up to five from Europe as a whole within two years.

David Webster felt that thirty to forty international companies based in the USA would be prepared to become affiliates. However, he believed that some sort of brochure outlining the aims of WCO and the benefits of joining would be helpful, and suggested that an initial fee of \$500 would be easier to solicit.

En-Han Hou thought that companies in China would be prepared to become affiliates, but would want to know what benefits would be forthcoming before parting with even \$100. Wayne Burns suggested that the differences between supporting a local society and supporting the WCO would have to be highlighted. David Webster suggested that companies would be encouraged to become affiliates of WCO if those seeking products or services stipulated that only WCO Affiliates need apply.

Wayne Burns emphasised the need to approach the most appropriate people in companies when seeking affiliate members. George Hays suggested that in the case of the United States advice could be sought from members of the NACE Foundation Board.

It was agreed to form a sub-group to decide how best to persuade companies to become WCO affiliates. Wayne Burns undertook to coordinate the group and David Webster offered to take notes.

Its other members included Ghadyer Al-Summar, Amir Eliezer and En-Hou Han. It was asked to report its findings to the General Assembly.

There was discussion about the possibility of offering various grades of affiliate membership, starting with \$ 500 for the basic 'zinc' level and moving up to the 'bronze', 'silver' and 'gold' levels,

APPENDIX 3 (Continued)

offering improved benefits for increased fees, at a later date. Michael Schuetze stressed the need to establish rules for each grade of membership and David Webster suggested that affiliate members could be asked to suggest the sort of benefits for which they would be prepared to pay extra.

9.4 WCO Website

George Hays stated that the WCO website provides information about WCO's:

- Mission;
- Goals;
- Member organisations (Founders and General);
- Board of Administrators;
- Calendar of events (with links to event websites);
- Corrosion videos (downloadable without charge from the ACA and NACE websites).

Michael Schuetze drew attention to the need to include EUROCORR within the list of forthcoming events. He also suggested the addition of information about how to become a member of WCO (and the fees), and links to the websites of the member societies.

George Hays identified the need for other BoA members to become involved in writing documents for WCO.

10 New Business

George Hays announced that an attendance sheet had been prepared for the General Assembly.

11 Next Meeting

It was decided that the next meeting of the WCO Board of Administrators would be held in Beijing on 26 September 2008.

12 Adjournment

The meeting was adjourned at 1:00 pm.

APPENDIX 4

**World Corrosion Organisation
Minutes of the General Assembly Meeting
New Orleans Hilton Riverview
Tuesday, 18th March 2008, at 2.00 pm**

1. Welcome

Michael Schuetze called the meeting to order at 2.10 pm. He welcomed all delegates and expressed satisfaction that the meeting was so well attended (see Attendance list – Annex 1).

2. Approval of agenda

The proposed Agenda was approved unanimously without change.

3. Approval of minutes of the last meeting on March 15, 2007

The minutes of the meeting in Nashville on 15 March 2007 were approved unanimously without change.

4. Elections

On the recommendation of the Board of Administrators, the following officers were re-elected without opposition:

- President: Michael Schuetze (second 1-year term)
- Vice-President En-Hou Han (second 1-year term)
- Board member Ghadyer Al-Summari (second (full) term following completion of an initial one-year term).

5. Membership Status

George Hays announced that the total number of WCO General Members had risen to 27 including the four Founder Members (ACA, CCSP, EFC and NACE), and 23 General Members, as follows:

Asociace Koroznich Inzenyru (Czech Republic)
CAMPI (Israel)
Centre Francais de l'Anticorrosion (France)
Corrosion Association of Venezuela (Venezuela)
Corrosion Engineering Association of ROC (Taiwan)
Croatian Society for Materials Protection (Croatia)
Dechema e.V (Germany)
Gesellschaft fur Korrosionsschutz e.V. (Germany)
Institute of Chemistry (Lithuania)
Institute of Corrosion (UK)
Institute of Materials, Minerals and Mining (Great Britain)
Israel Corrosion Forum (Israel)
Japanese Society of Corrosion Engineers (Japan)
KIMAB (Sweden)
Libyan Corrosion Society (Libya)
Marine Corrosion Forum (UK)
Materials Technology Institute, Inc. (United States)
Saudi Council of Engineers (Saudi Arabia)
SSPC (United States)
SVUOM Praha (Czech Republic)
The Corrosion Association in Turkey (Turkey)
University of Kuwait (Kuwait)

Appendix 4 (Continued)

This was in line with the original target of 30 members within the first two years and over 50 % of the world's societies (believed to number 73 or 74 in total) before going to the UN for affiliation.

6. Treasurer's Report

6.1 2006/2007 Fiscal Year

Rhonda Wagner reported the following results for the 2006/2007 fiscal year:

Income:	\$21,750 (entirely from dues);		
Expenditure:	\$ 7,675 made up as follows:	Legal fees:	\$5,918
		Postal charges:	\$ 882
		Contract services	\$ 875
Surplus:	\$14,075		

6.2 2007/2008 through January 2008

For the first 8 months of the 2007/2008 fiscal year, the situation was as follows:

Income:	\$5,500 (dues received from 7 members)		
Income x 8/12:	\$3,467 (proportioned over 8 months)		
Expenditure:	\$11,990 made up as follows:	Legal fees, etc.:	\$10,081
		Postage & printing:	\$ 1,543
		Other costs:	\$ 365
Deficit:	\$8,523		

The fiscal year runs from 1 July to 30 June and it is anticipated that by the year end the outcome will be in surplus.

The balance sheet at the end January showed total assets of \$22,276.

The Treasurer's Report was approved unanimously.

7. 2008/2009 Budget

Rhonda Wagner presented the following budget for the 2008/2009 Fiscal Year:

Income:	Dues	\$11,900
	Affiliate Dues	\$20,000
	Others	<u>\$ 0</u>
	Total Income	<u>\$31,900</u>
Expenditure:	Programmes	\$29,000
	Meetings	\$ 1,500
	Others	<u>\$ 500</u>
	Total Expenditure	<u>\$31,000</u>
Net Surplus:		\$900

The proposed budget for 2008/2009 was approved unanimously.

Appendix 4 (Continued)

8. Status of the activities regarding the 4 goals of WCO

Goal #1 (Wayne Burns): To raise public awareness of corrosion and corrosion protection

ACA aims to make governments all over the world aware of the importance of corrosion education. It will focus on the need for teachers in secondary and tertiary education to be provided with corrosion awareness via young ambassadors who will make presentations in educational institutions from where the message will spin out to the general public. It also intends to inform governments about the cost of corrosion and how to reduce it.

Goal #2 (En-Hou Han): To identify world best practice in corrosion management

CSCP proposes the following steps:

- i) Invite government official to attend conferences, seminars, etc., to stress the importance of corrosion control;
- ii) Invite industrial leaders, for example from nuclear power plants and iron and steel companies, to attend such events and obtain matched funding for government-supported projects;
- iii) Encourage governments to provide loans to industry without interest or with low interest payments;
- iv) provide a worldwide platform for researchers in institutes and other organisations;
- v) ensure that all major investment programmes undergo environmental evaluation before implementation.

Goal #3 (Paul McIntyre): To facilitate the provision of corrosion control expertise to governments. Industries and communities

EFC is organising a special workshop on the current status of knowledge and future research needs in the field of corrosion in conjunction with EUROCORR 2008 in Edinburgh on 11 September 2008. The output from the workshop will be a report for use by WCO to provide information to governments, industries and others.

Goal #4 (David Webster): To normalise corrosion related standards worldwide

A workshop on corrosion education and certification requirements will be held during the NACE Corrosion Technology Week in late September to provide an understanding of what is being done worldwide with the aim of identifying the best standards.

9. Series of Workshops/WCO Study

Michael Schuetze stated that the intention of the WCO series of workshops is to provide a study document for presentation to the UN to help to convince it that corrosion merits attention at that level. Four corrosion workshops are planned in addition to the one during NACE Corrosion Technology Week. All of the information will be gathered together at a final workshop in Frankfurt and used as a basis for a final report to the UN.

Günter Schmitt explained that the overall theme of the workshops is 'Future Needs for R&D in Materials Degradation and Corrosion Control'. This relates to everybody's needs regarding health, nutrition, energy, infrastructure, environment, resources, safety and social integrity since in each case materials selection and protection matter greatly.

Half-day workshops are planned to be held in conjunction with several appropriate international conferences, including:

EUROCORR 2008 in Edinburgh during September;

ICC 2008 in Las Vegas during October;

ACA Corrosion and Prevention 2008 in Wellington during November;

NACE Corrosion 2009 in Atlanta during March;

Appendix 4 (Continued)

In addition, other workshops might be possible in China, South Africa and South America.

At the EUROCORN Workshop in Edinburgh a number of crucial presentations will include:

“Greenhouse Gas Limitation - Corrosion and Materials Challenges for the Capture and Storage of CO₂” by François Ropital;

“Integrity of Infrastructure - Corrosion Protection and Maintenance” by Bernd Isecke;

“Materials and Corrosion Challenges in the Nuclear Field” by Damien Féron;

“Why Addressing Corrosion Problems at the Nanoscale will be Increasingly Important in Future” by Philippe Marcus;

“Future Challenges in Coatings and Technologies in the Protection of Metallic Structures in the Automotive and Aviation Industries” by Stefano Trasatti;

At the joint ICC/WCO Workshop, the contributions will include those by Marcus, Féron, Isecke and Schmitt (as in Edinburgh) plus:

“Philippine Experience on Geothermal Corrosion Control under Limited Local Resources” by R. Vera Cruz;

“Proper Corrosion Prevention Strategy and Corrosion Management against Asset Reliability Threats in Indonesia” by Muki Satya Permana;

“The Corrosion Behaviour of Piping Systems of Human-Driven Pumps and Recycled Aluminium Alloys or Cooking Pots” by L. Bonon, T. Rande et al.

“Corrosion Science, Technology and Innovations in Argentina” by B. Rosales

Michael Schuetze expressed satisfaction that WCO, whose members are societies, and ICC, which has individual members, are cooperating since they complement each other well and promise to achieve real progress.

10. Affiliate Membership Agreement

George Hays reported that WCO had obtained charitable status with the US Government. This is a pre-requisite for acceptance by the UN as a non-governmental organisation and allows tax deductible contributions to be accepted from individuals and any governmental or profit making organisation that does not qualify for full membership. Such funding will be necessary to allow WCO to make progress with its planned programmes.

The proposed Affiliate Membership Agreement covers three classes of affiliate members:

- i) End users;
- ii) Producers of corrosion services and products;
- iii) Government agencies

Income from the affiliates could be used, for example, to fund the programme proposed in China and the first Corrosion Awareness Day to be held in Saudi Arabia on 5 May 2009 (15 days after Earth Day).

Efforts are to be made to attract 40 affiliate members initially, each contributing \$500 to WCO funds.

The General Assembly indicated its unanimous support for this initiative.

Wayne Burns presented some reasons that will be used to encourage companies to support WCO, as follows:

- Improved government awareness of corrosion-related damage to the infrastructure;
- Government encouragement to industry to use better technologies and preservation practices, leading to reduced maintenance costs;

Appendix 4 (Continued)

- Introduction of corrosion prevention technology
- Safety Issues = Community Benefits = Sustainability

Key areas from which support will be solicited include:

- Highways and Bridges;
- Pipelines;
- Water Industry;
- Chemicals/Petrochemicals;
- Power Generation and Conversion;
- Mining

11. WCO website

George Hays summarised current features of the WCO website (www.corrosion.org), including lists of member societies, officers, and links to NACE and ACA for their corrosion videos.

In future, links will be established with the websites of every member society, together with details of their training courses.

Eventually, it is anticipated that library abstract services may also be available on the website.

12. New Business

George Hays stated that WCO should attain NGO status with the UN by the end of May 2008 when it will have been running for two years. Thereafter, it would be desirable to set up Corrosion Awareness Days in as many countries as possible, to produce the UN study document as quickly as possible, and to become involved in the public and environmental affairs of the UN.

Wayne Burns urged members to collect as many media contacts around the world as possible and to send them to George Hays (corrosion.org@gmail.com).

13. Next Meeting

March 26, 2009 in conjunction with the NACE Corrosion conference in Atlanta, Georgia.

14. Adjournment

The meeting was adjourned at 3.30 pm.

Appendix 4 (Continued)

Annex 1: Attendance List

Name	Organization	Email
Günter Schmitt	GfKORR	gue.schmitt@t-online.de
Faisal A. Al-Faqeer	Saudi Council of Engineers	faisal.faqeer@aramco.com
En-Hou Han	CSCP / WCO	ehhan@imr.ac.cn
Wei Ke	Chinese Society for Corrosion & Prot'n.	kewei@imr.ac.cn
Chris Fowler	IOM3	chris.fowler@bodycote.com
Phil Dent	Marine Corrosion Forum	phil.dent@bodycote.com
Masakatsu Ueda	Japanese Society of Corrosion Eng'rs.	ueda-msk@sumimotometals.co.jp
Hiroguki Tanabe	Japanese Society of Corrosion Eng'rs.	tanabe@star.dmt.co.jp
Brenda Peters	Institute of Corrosion	brenda@analysis-scientific.co.uk
Yshai Gabai	CAMPI	gabaiyy@gmail.com
Shikma Morag	CAMPI	moreg@bgu.ac.il
Kurt Best	Baker Material Science	kurt.best@bakerbms.com
Bill Shoup	SSPC	shoup@sspc.org
Lou Vincent	NACE	lvincent@corrpro.com
Michael Maloney	Nuclear Regulatory Commission	mmaloney@nas.edu
Ivan Cruz	Saudi Council of Engineers	czarivan.cruz@aramco.com
Matilde de Romero	ASVENCOR	matil956@cantv.net
Ghadyer A Al-Shammari	Saudi Council of Engineers	ghadyer.shammari@aramco.com
Taofeg Albeira	Libyan Corrosion Society	lcs@ltnet.net
Rajab Elgazwi	Libyan Corrosion Society	rajab_lcs@yahoo.com
James M. Macki	Materials Technology Institute	jmacki@mti-global.org
Eugene Leining	Materials Technology Institute	elliening@dow.com
Harvey Hack	Grumman Corp	harvey.hack@ngc.com
Jeng-Kuez Chang	National Cheng King University	catalyst@mail.mse.ncleu.edu.tw
Roman Bender	Dechema	bender@dechema.de
Rolf Gubner	KIMAB	rolf.gubner@sweren.se
Philippe Marcus	CEFRACOR	philippe.marcus@emcp.fr
Kyoo Young Kim	Korean Corrosion Society	kykim@postech.ac.kr
Wen-Ta Tsai	Taiwan	wttai@mail.ncku.edu.tw
Warren Green	Australasian Corrosion Association	warren@izzat.com.au
Brad Dockrill	Australasian Corrosion Association	brad@izzat.com.au
Wayne Burns	Australasian Corrosion Association	wayneburns@anodeengineering.com
Mike Boardman	Australasia Corrosion Association	boardman@xtra.co.nz
Amir Eliezer	CAMPI	amir@sce.ac.il
Leonardo Uller	Brazil	uller@surplusbr.com
Paul McIntyre	EFC	Paul.McIntyre@npl.co.uk
Michael Schuetze	EFC / WCO	schuetze@dechema.de
Rhonda Wagner	NACE / WCO	Rhonda.Wagner@nace.org
George Hays	WCO	corrosion.org@gmail.com

APPENDIX 5**REPORT OF THE SCIENTIFIC SECRETARY TO THE
BOARD OF ADMINISTRATORS (July 2008)**

Since presenting my last report on 6th March 2008, I participated with the EFC President in the NACE Corrosion Conference in New Orleans. This ran from 16 - 20 March and over that period I looked after the EFC Stand in the Exhibition. All twelve new books in the EFC Series to have been published over the past year were on display and they attracted considerable interest. However, I also had a full week of meetings. On 16 March there was a meeting of founder members of the World Corrosion Organisation (WCO). On 17 March, with Günter Schmitt, I attended the meeting of NACE TG361, which is concerned with the publication of a joint EFC/NACE report on the Treatment of Cooling Waters and good progress was made towards the preparation of the final text of that document. Also on that day, I participated in a meeting of the World Corrosion Organisation's Board of Administrators and after my return to the UK, I prepared the minutes of that meeting. On 18 March, I acted as secretary at the WCO's General Assembly and, again produced the minutes on returning to England. On 19 March, together with Michael Schütze, Philippe Marcus and Rolf Gubner I participated in a meeting with senior representatives of NACE to discuss both current and future cooperation between the two organisations. At that meeting I stressed the need for EFC to receive royalty payments based on the net sales revenue of any joint publications and in subsequent discussions with the Hon. Treasurer it has been decided that a 10 % royalty payment to EFC would be appropriate. On 20 March Günter Schmitt and I represented EFC at the NACE Research Meeting where we spoke about planned WCO activity, including the workshops to be held at EUROCORR and at other venues in the year ahead. My return flight was on the evening of 21 March, which gave me an opportunity to do some sightseeing in the morning. I was saddened to see the devastation caused by Hurricane Katrina in August 2005 in the southern part of New Orleans, where all of the houses had been swept away, with over 6,000 deaths.

During May, I assisted the Paris Office in preparing the minutes of the March meeting of the BoA in London. I also prepared and sent out the invoices for the contributions for 2008 from the Member Societies. Considerable time was also spent with editing the third edition of EFC 16, the publication of which is currently awaiting the outcome of renegotiation of the contract between Maney and Woodhead, which is due to expire soon.

In June, I worked with the Honorary Treasurer on EFC's rolling five-year strategic plan and proposed the agendas for the meetings of the EFC Strategy Group and the President's Advisory Committee which took place in Nice on 23 and 24 June. I have since prepared and distributed the action lists from both of those meetings.

I am currently preoccupied with the working papers for the meetings of the Board of Administrators and the General Assembly in Edinburgh, and as soon as they are ready I will deal with those for the Science and Technology Advisory Committee. After that, my next job will be to produce the 17th issue of the EFC Newsletter for distribution at EUROCORR.

A continuing activity is maintenance of the EFC Calendar of Forthcoming Events, which currently features 43 entries, over one-quarter of which relate to events to which EFC Event Numbers have been (or will be) allocated.

Paul McIntyre
EFC Scientific Secretary
24 July 2008

APPENDIX 6

Recent Additions to the EFC Series

EFC 47 Novel approaches to the improvement of high temperature corrosion resistance

Edited by M. Schütze and W. Quadackers on behalf of Working Party 3 on Corrosion in Hot Gases and Combustion Products) (Published in May 2008)

EFC 55 Corrosion Under Insulation (CUI) - Guideline applicable to carbon-manganese, low alloy steels and austenitic stainless steels operating between -4 °C and 175 ° C, edited by Stefan Winnik on behalf of WP13 on Corrosion in Oil and Gas Production and WP15 on Corrosion in Refineries (Published in March 2008)

Forthcoming Titles in the EFC Series

EFC 52 Progress in Corrosion - The First 50 Years of the EFC, edited by P. McIntyre and J. Vogelsang on behalf of the EFC Science and Technology Advisory Committee

EFC 56 Corrosion Monitoring in Nuclear Systems: Research and Applications, edited by Stefan Ritter and Anders Molander of WP4 on Nuclear Corrosion and ECG-COMON

EFC 57 Protective Systems for High Temperature Applications: From Theory to Industrial Implementation, edited by Michael Schütze and W. J. Quadackers on behalf of WP3 on Corrosion in Hot Gases and Combustion Products

EFC 16 Guidelines on Materials Requirements for Carbon and Low Alloy Steels for H₂S-Containing Environments in Oil and Gas Production (3rd edition), prepared by WP13 on Corrosion in Oil and Gas Production

EFC 17 Corrosion Resistant Alloys for Oil and Gas Production: Guidance on General Requirements and Test Methods for H₂S Service (3rd edition), prepared by WP13 on Corrosion in Oil and Gas Production

APPENDIX 7

EFC Calendar of Forthcoming Events

Date/venue	Conference	Contact
7-11 September 2008 Edinburgh, Scotland	EUROCORR 2008 (EFC Event No. 299)	Institute of Corrosion Corrosion House, Vimy Court Leighton Buzzard LU7 1FG, UK Fax: ++44 (0) 1525 376690 E-mail: admin@icorr.org
7-12 September 2008 Seville, Spain	59 th Annual Meeting of the ISE	International Society of Electrochemistry Avenue Vinet 19, CH-1004 Lausanne, Switzerland Fax: ++41 021648 39 75 E-mail: events@ise-online.org Website: http://event08.ise-online.org
19-21 September 2008 Jurata, Poland	Corrosion Measurements in Electrochemical Protection (EFC Event No. 319)	Dr. Wojciech Sokółski Elbląska 133a, 80-718 Gdańsk, Poland Fax: +485 8300 9009 E-mail: wsok@corrppl.pl
21-24 September 2008 Las Vegas, Nevada USA	Titanium 2008 - 24 th Annual Conference and Exhibition of the International Titanium Association	Jennifer Simpson International Titanium Association (ITA) 2655 West Midway Blvd., Suite 300. Broomfield, CO 80020-7186 USA Fax: ++1 303 404 9111 E-mail: conference@titanium.org Website: www.titanium.org
22-26 September 2008 Aachen Germany	11 th International Conference on Aluminium Alloys (ICAA 11)	Deutsche Gesellschaft für Materialkunde Senckenberganlage 10, 60325 Frankfurt Germany Fax: ++49 69 7530 6733 E-mail: icaa11@dgm.de Website: www.dgm.de/icaa11
22-26 September 2008 Big Yalta, Zhukovka Crimea, Ukraine	Fifth International Conference of Materials Coatings for Extreme Performance: Investigations, Applications, Ecologically Safe Technologies for Their Production and Utilization	Dr. Leonid Chernyshev Organising Committee of "MEE-2008" Institute for Problems of Materials Science of NASU, 3 Krzhyzhanovskogo St., Kiev, 03680 Ukraine Fax: ++38 044 424 2131 E-mail: chern@ipms.kiev.ua
29 September 3 October 2008 Calgary, Alberta Canada	International pipeline Conference 2008	Linda Abercrombie Suite 6A, 133-25 Avenue S.W. Calgary AB, Canada T2S 0K8 Fax: ++1 403 244 7533 E-mail: laandmrb@shaw.ca Website: www.internationalpipelineconference.com
6-10 October 2008 Las Vegas, Nevada USA	17 th International Corrosion Congress "Corrosion Control in the Service of Society"	Cassie Davis NACE International 1440 South Creek Drive Houston, Texas 77084-4906 USA Fax: +1 281-228-6300 E-mail: cassie.davis@nace.org nace@confex.com Website: http://nace.confex.com/nace/ICC08/cfp.cgi

EFC Calendar of Forthcoming Events - Continued

12-17 October 2008 Honolulu Hawaii	PRiME 2008 - Pacific Rim Meeting on Electrochemical and Solid State Science (214 th Meeting of ECS jointly with the 2008 Fall Meeting of The Electrochemical Society of Japan)	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA Fax: ++1 609 737 2743 E-mail: ecs@electrochem.org Website: www.electrochem.org/meetings
21-23 October 2008 Brussels Belgium	SACNUC Workshop on Sulphur-Assisted Corrosion in Nuclear Disposal Systems (EFC Event No. 311)	Frank Druyts SCK-CEN, Boeretang 200, B-2400 Mol, Belgium Fax: ++32 1432 3553 E-mail: fdruyts@sckcen.be sacnuc@sckcen.be
22-25 October 2008 Izmir Turkey	KORSEM08 - 11 th International Corrosion Congress (EFC Event No. 314)	Prof. Dr. Mustafa Doruk Middle East Technical University Dept. of Metallurgical & Materials Engineering 06531 Ankara, Turkey Fax: ++90 312 2102518 E-mail: korsem08@deu.edu.tr Website: web.deu.edu.tr/korsem08izmir
26-28 October 2008 Daytona Beach Florida, USA	Sea Horse 2008 - The Marine Corrosion Conference	Bud Ross CorMat, Inc., P.O. Box 412, Barboursville, WV 25504, USA Fax: ++1 304 633 3731 E-mail: info@comat.com Website: www.seahorseinstitute.com
30-31 October 2008 Busan South Korea	4 th Annual International Marine Coatings Summit "Plotting the Course through New Regulations"	Calae McDermott NACE International P.O. Box 41027, Houston, Texas 77241-1027 U.S.A. E-mail: calae.mcdermott@nace.org Website: events.nace.org/conferences/IMCS2008
9-11 November 2008 Toronto, Ontario Canada	Northern Area Eastern Conference "Minimising Infrastructure Corrosion" and International Symposium "Fundamental Corrosion Research in Progress"	Sergei A. Shipilov Metallurgical Consulting Services Ltd., 309-330 Adelaide Street East Toronto, Ontario M5A 4S9 Canada Fax: ++1 416 363 2588 E-mail: shipilovs@metallurgicalconsulting.net Website: www.nace.org/nace/content/sar_links/naec/nae_first_announcement.pdf
16-19 November 2008 Wellington New Zealand	Corrosion and Prevention 2008 "The Impact of Corrosion on our Lives"	Dean Bradley Convention Management Services Ltd., P.O. Box 121050, Henderson, Auckland, 0650 New Zealand Fax: ++64 9 835 1539 E-mail: dean@cmsl.co.nz Website: www.cmsl.co.nz/go/corrosion
25-27 November 2008 Al-Ismaia Egypt	The 27 th Annual Conference - Corrosion Challenges in Industry	Dr. Ibrahim Zaki Selim, Conference Secretary National Research Centre, Cairo, Egypt Fax: ++20 2 3586 2155 E-mail: info@egycorr.org Website: www.egycorr.org

EFC Calendar of Forthcoming Events - Continued

30 November- 2 December 2008 Ermatingen Switzerland	Magnesium - European Executive Seminar	Niels Parusel Deutsche Gesellschaft für Materialkunde e.V. Senckenberganlage 10, 60325 Frankfurt Germany Fax: ++49 (0) 69 75306 733 E-mail: np@dgm.de Website: www.dgm.de
8-12 December 2008 Pune India	2 nd International Symposium on Advanced Materials and Polymers for Aerospace and Defence Applications (SAMPADA-2008)	Dr. Rohitkumar H. Vora Advanced Polymers Research & Technologies 8080 Heritage Drive, Alburdis Pennsylvania 18011, USA E-mail: rohitvora@apr-technologies.com Website: www.i-sampada.org/sampada-2008
March 22-25 2009 Szczzyrk Poland	7 th Spring Meeting of the ISE	International Society of Electrochemistry Avenue Vinet 19, CH-1004 Lausanne, Switzerland Fax: ++41 021648 39 75 E-mail: events@ise-online.org Website: http://spring09.ise-online.org
22-26 March 2009 Atlanta, Georgia USA	CORROSION 2009/NACE Conference and Exhibition	Jackie Hune, NACE Headquarters 1440 South Creek Drive, Houston Texas, USA Fax: ++1 281 228 6227 E-mail: jackie.hune@nace.org Website: www.nace.org
30 March-2 April 2009 Saint Paul-lez-Durance France	NUCPERF 2009 - International Workshop "Long Term Performance of Cementitious Barriers and Reinforced Concrete in Nuclear Plants and Waste Management (EFC Event No. 317)	Dr. Valérie L'Hostis CEA-Saclay, 01191 Gif-sue-Yvette, France Fax: +33 1 69 08 84 41 E-mail: nucperf2009@cea.fr
16-18 April 2009 Grado (UD) Italy	6 th AETOC (Application of Electrochemical Techniques to Organic Coatings (EFC Event No. 318)	Prof. Lorenzo Fedrizzi Department of Chemical Science and Technology, University of Udine, Via del Cottonificio 108, 33100 Udine, Italy Fax: +39 0432 558803 E-mail: lorenzo.fedrizzi@uniud.it
11-15 May 2009 Frankfurt am Main Germany	ACHEMA 2009, 29 th International Congress on Chemical Engineering, Environmental Protection and Biotechnology (EFC Event No. 320)	Renate Strauß DECHEMA e.V. Theodor-Heuss-Allee, 25 60486 Frankfurt am Main, Germany Fax: +49 69 7564-176 E-mail: strauss@dechema.de Website: www.achema.de
24-29 May 2009 San Francisco California, USA	215 th ECS Meeting	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA Fax: ++1 609 737 2743 E-mail: ecs@electrochem.org Website: www.electrochem.org/meetings

EFC Calendar of Forthcoming Events - Continued

12-17 July 2009 Ottawa, Ontario Canada	ICF 12 - 12 th International Conference on Fracture	Pierre Lamoureux, Conference Manager National Research Council Canada Building M-19, 1200 Montreal Road Ottawa, Ontario, ON K1A 0R6, Canada Fax: ++1 613 993 7250 E-mail: icf12@nrc.gc.ca Website: www.icf12.org
16-21 August 2009 Beijing, China	60 th Annual Meeting of the ISE	International Society of Electrochemistry Avenue Vinet 19, CH-1004 Lausanne, Switzerland Fax: ++41 021648 39 75 E-mail: events@ise-online.org Website: http://event09.ise-online.org
6-10 September 2009 Nice, France	EUROCORR 2009 "Corrosion: from the Nanoscale to the Plant" (EFC Event No. 310)	M. Pierre, CEFRACOR 28 rue Saint-Dominique, 75007 Paris France Fax: +33 1 45 55 90 74 E-mail: info@cefracor.org Website: www.cefracor.org
13-16 September 2009 Waikoloa Hawaii	Titanium 2009 - 25 th Annual Conference and Exhibition of the International Titanium Association	Jennifer Simpson International Titanium Association (ITA) 2655 West Midway Blvd., Suite 300. Broomfield, CO 80020-7186 USA Fax: ++1 303 404 9111 E-mail: conference@titanium.org Website: www.titanium.org
14-19 September 2009 Cambridge UK	Advances in Corrosion Protection by Organic Coatings	Prof. David Scantlebury Corrosion and Protection Centre School of Materials University of Manchester, Sackville Street P.O. Box 88, Manchester, M60 1QD, UK Fax: +44 (0)161 306 4865 E-mail: david.scantlebury@manchester.ac.uk
1-2 October 2009 Frankfurt am Main Germany	Workshop on Solutions for High Temperature Corrosion Protection in Energy Conversion Systems (EFC Event No. 321)	Prof. Michael Schütze/Ms Sabine Sporleder DECHEMA e.V. Theodor-Heuss-Allee 25 60486 Frankfurt am Main, Germany Fax: +49 (0) 69 7564 176
4-9 October 2009 Vienna Austria	216 th ECS Meeting	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA Fax: ++1 609 737 2743 E-mail: ecs@electrochem.org Website: www.electrochem.org/meetings
October 18-21 2009 Manila Philippines	15 th Asian-Pacific Corrosion Control Conference	Ms. Lyn Tabangoura Mapúa Institute of Technology Muralla St. Intramuros, Manila, 1002 Philippines Tel: +632 837 6154 E-mail: secretariat@apccc15.com

EFC Calendar of Forthcoming Events - Continued

14-18 March 2010 San Antonio, Texas USA	CORROSION 2010/NACE Conference and Exhibition	Jackie Hune, NACE Headquarters 1440 South Creek Drive Houston, Texas 77084-4906 USA Fax: +1 281-228-6227 E-mail: jackie.hune@nace.org Website: www.nace.org
25-30 April 2010 Vancouver Canada	217 th ECS Meeting	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA Fax: ++1 609 737 2743 E-mail: ecs@electrochem.org Website: www.electrochem.org/meetings
13-17 September 2010 Moscow Russia	EUROCORR 2010	Dr. Alexander V. Muradov ANTI-KOR c/o Gubkin State University of Oil & Gas, Lenin Avenue, 65, 119991 Moscow Russian Federation Fax: +7 095 135 7286 e-mail: muradov@gubkin.ru
26 September - 1 October 2010 Nice France	61 st Annual Meeting of the ISE	International Society of Electrochemistry Avenue Vinet 19, CH-1004 Lausanne, Switzerland Fax: ++41 021648 39 75 E-mail: events@ise-online.org Website: http://event10.ise-online.org
3-5 October 2010 Orlando, Florida USA	Titanium 2010 - 26 th Annual Conference and Exhibition of the International Titanium Association	Jennifer Simpson International Titanium Association (ITA) 2655 West Midway Blvd., Suite 300. Broomfield, CO 80020-7186 USA Fax: ++1 303 404 9111 E-mail: conference@titanium.org Website: www.titanium.org
October 10-15 2010 Las Vegas, Nevada USA	218 th ECS Meeting	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA Fax: ++1 609 737 2743 E-mail: ecs@electrochem.org Website: www.electrochem.org/meetings
March 14-18 2011 Houston, Texas USA	CORROSION 2011/NACE Conference and Exhibition	Jackie Hune, NACE Headquarters 1440 South Creek Drive Houston, Texas 77084-4906 USA Fax: +1 281-228-6227 E-mail: jackie.hune@nace.org Website: www.nace.org
May 1-6 2011 Montreal Canada	219 th ECS Meeting	The Electrochemical Society 65 South Main Street, Building D Pennington, New Jersey 08534-2839, USA Fax: ++1 609 737 2743 E-mail: ecs@electrochem.org Website: www.electrochem.org/meetings

EFC Calendar of Forthcoming Events - Continued

5-8 September 2011 EUROCORR 2011
Stockholm
Sweden

Dr. Rolf Gubner
Corrosion and Metal Research Institute
Drottning Kristinas väg 48
SE-114 28 Stockholm, Sweden
Fax: 0046 867 41780
Rolf.gubner@kimab.com

11-16 September 2011 62nd Annual Meeting of the ISE
Niigata
Japan
France

International Society of Electrochemistry
Avenue Vinet 19,
CH-1004 Lausanne, Switzerland
Fax: ++41 021648 39 75
E-mail: events@ise-online.org
Website: <http://event10.ise-online.org>

9-14 October 2011 220th ECS Meeting
Boston, MA
USA

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65 South Main Street, Building D
Pennington, New Jersey 08534-2839, USA
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Website: www.electrochem.org/meetings
