

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



BOARD OF ADMINISTRATORS

Riva del Garda, Italy

September 30, 2001

WORKING PAPERS

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WORKING PAPERS

Meeting of the Board of Administrators

of the

European Federation of Corrosion

Riva del Garda, Italy, September 30, 2001

Venue of meeting: **Palazzo dei Congressi
Parco Lido
38066 Riva del Garda
Italy**

Date and time of meeting: **September 30, 3:00 pm**

Chairman: **Dr Philippe Berge (EFC President)**

Secretary: **Ms P. Bridou (Paris Office)**

EUROPEAN FEDERATION OF CORROSION
MEETING OF THE BOARD OF ADMINISTRATORS
RIVA DEL GARDA, 30th September 2001, 3.00 pm
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 Report on STAC Activities
- Item 3 Role of the EFC in Certification
 - 3-1 Workshop on Certification in 2002; EU support and NACE collaboration
 - 3-2 Progress on Mentor C: Proposal on Training and Certification
- Item 4 Liaisons with other organizations
 - 4-1 NACE
 - 4-2 FEMS
- Item 5 EFC Membership
 - 5-1 Progress with EFC Membership Card
 - 5-2 Application to join by the Bulgarian Society
- Item 6 EUROCORR Series
 - 6-1 EUROCORR 2001
 - 6-2 EUROCORR 2003
 - 6-3 EUROCORR 2004
 - 6-4 EUROCORR 2005
 - 6-5 Concept of EUROCORR
- Item 7 Finance
- Item 8 EFC Activities
 - 8-1 Scientific Secretary's Report
 - 8-2 EFC Newsletter
 - 8-3 EFC Publications
 - 8-4 EFC Web Site
- Item 9 EFC Calendar of Events
- Item 10 Administrative Matters
 - 10-1 Nominations for BoA
 - 10-2 Nominations for STAC
- Item 11 Any other Business
- Item 12 Date and Place of next BoA

WORKING PAPERS OF THE EFC BOARD OF ADMINISTRATORS

Item 01 Opening of the meeting (President, Ph. Berge)

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

Item 02 Apologies for Absence

Ms. Bridou, 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 are asked to approve the proposed agenda.

1-2 BoA members are asked to approve the minutes of the Frankfurt meeting (20 April 2001) and to raise any matters not covered in the present agenda.

Item 2 Report on STAC Activities (STAC Chairman)

Following five years as Chairman of the STAC, and taking into account changes associated with her recent appointment as Research Director of the Petroleum Technology Sector at the Institute for Energy Technology, Kjeller, Norway, Mrs Liv Lunde has informed the EFC President of her intention to withdraw from STAC after EUROCORR 2001 (Appendix 1).

According to the EFC Bye-Laws, a new STAC Chairman should be elected to succeed Mrs Lunde during the STAC meeting to be held on September 30th. Mrs Lunde will report the outcome of this procedure to the Board.

The STAC Chairman will also report on:

- progress in STAC activity with respect to the 3-year plans presented last September in London by the Working Party Chairmen;
- any significant developments arising from updating of the original plans;
- progress to date concerning the ongoing review of the structure and operation of each Working Party.

Item 3 Role of the EFC in Certification (Ph. Berge)

3-1 Workshop on Certification in 2002; EU support and NACE collaboration

The Call for Papers for the Workshop on Certification, which will be held on Tuesday 4th and Wednesday 5th of June 2002 was distributed to all the EFC members in June (Appendix 2).

Answer is waiting of the European Commission General Research Directorate (DG XII) concerning the financial support which was prepared and submitted by the EFC Scientific Secretary in order to facilitate the participation of students and EFC members of countries of the Eastern bloc.

This meeting in Aix en Provence should represent the first step for EFC and NACE collaboration with the proposition of a speaker for a plenary lecture on the Certification System in USA and the NACE participation in the organisation of a joint NACE-EFC exhibition during the meeting on Cathodic Protection and Associated Coatings.

3-2 *Mentor Proposal on Training and Certification*

Paul McIntyre will report on progress concerning the submitted proposal by Prof. W. Bogaerts for EU funding under the Leonardo Initiative.

Item 4 Liaisons with other organizations (Ph. Berge)

4-1 *NACE (National Association of Corrosion Engineers)*

The EFC President will report results of discussions with Mr G. Shankel, NACE Chief Executive, in Frankfurt on 19th April (Appendix 3) and with Dr. Iba F. Al-Adel, NACE President, in Paris on 26th June about possible collaboration with NACE.

4-2 *FEMS (Federation of European Materials Societies)*

Mr. McIntyre will report on progress concerning the MatNet project, which is administered by FEMS (see Appendix 4).

Item 5 EFC Membership (W. Meier)

5-1 *Progress with EFC Membership Card*

Mr. Meier will report on progress concerning the realisation and distribution of the EFC Membership Cards.

5-2 *Application to join by the Bulgarian Society*

The Bulgarian Society has expressed interest in the possibility of renewing its membership of EFC. If, by the time of the meeting of BoA, the Frankfurt Office has received a written application to join and a copy in English of the Statutes of the Bulgarian Academy of Sciences, and if those documents are acceptable according the EFC statutes, the BoA should recommend that the General Assembly approve this application.

Item 6 EUROCORR Series (Ph. Berge)

6-1 *EUROCORR 2001*

Mr. Bonora will report arrangements for EUROCORR 2001 in Riva del Garda.

6-2 *EUROCORR 2003*

Mr. Berecz will report progress over the preliminary arrangements for EUROCORR 2003 in Hungary.

6-3 *EUROCORR 2004*

EUROCORR 2004 will be held in France co-organised by both of the French EFC Member Societies, CEFRA COR and SCI.

The French organisers will present the preliminary arrangements for this event.

6-4 *EUROCORR 2005*

Bids to host EUROCORR 2005 have already been received from Spain and Portugal.

Members are reminded that any further bids to host EUROCORR 2005 should be submitted in writing to the Scientific Secretary **by 31st December 2001**.

6-5 *Concept of EUROCORR*

In view of certain difficulties that have been encountered in communications between the EFC and the organisers of EUROCORR 2001, together with problems concerning the scientific program requested by the Working Parties, it is important for the future of the event to revisit the EUROCORR Guidelines and to establish whether changes to the rules relating to the preparation of these events are necessary. See Appendix 5 for the latest version of the EUROCORR Guidelines.

BoA members are invited to propose suggestions for the development of a new concept for EUROCORR.

Item 7 Finance (C. J. L. Booker)

Mr Booker will present the EFC Accounts for 2000, and budget proposals for 2002 (Appendix 6).

BoA is invited to approve the Honorary Treasurer's report and to submit it to the General Assembly for approval.

Item 8 EFC Activities (P. McIntyre)

8-1 *Scientific Secretary's Report*

The Scientific Secretary will present his report covering activity since the last meeting of BoA in Frankfurt on 20 April (Appendix 7).

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

8-2 *EFC Newsletter*

EFC Newsletter No. 11 is in preparation. An overview of the content will be given by the Scientific Secretary.

8-3 *EFC Publications*

The Scientific Secretary will report on recent additions to the EFC Series (Appendix 8).

8-4 EFC Web Sites

Mr. Meier will report on the updated information available on the EFC web sites www.EUROCRR.org and www.EFCWEB.org.

Item 9 EFC Calendar of Events (P. McIntyre)

The Scientific Secretary will introduce an update of forthcoming events in the EFC calendar (Appendix 9).

Item 10 Administrative Matters

10-1 Nominations for BoA

The Frankfurt Office had solicited nominations for BoA from the Members Societies. The responses received to date are as follows:

Belgium	:	Mr A. Pourbaix (Founder Member country)
France	:	Mr Ph. Berge (Founder Member country & Presidency)
Germany	:	Mr B. Isecke (Founder Member country)
UK	:	Mr D. Harrop (Founder Member country)
Hungary	:	Mrs E. Kálmán (Proposed for election)
Italy	:	Mr P. L. Bonora (Proposed for re-election)
Netherlands	:	Mr. J.H. de Wit (Proposed for re-election)
Spain	:	Mr J. M. Costa (Proposed for re-election)
Sweden	:	Mr B. Linder (Proposed for re-election)
Romania	:	Mr M. O. Radovici (Proposed for election)
Russia	:	Mr A.V. Muradov (Proposed for election)

The BoA is requested to submit the above nominations to the General Assembly for approval and election.

10-2 Nominations for STAC

Since the last meeting of BoA, further nominations for STAC have been received from Germany and Norway. The overall list of nominations for STAC is now as follows:

Belgium	:	Mr J. Vereecken
France	:	Mr Ph. Marcus
Germany	:	Mr. J. Vogelsang
Italy	:	Mr F. Mazza
Norway	:	Mr. B. Espelid
Spain	:	Mr J. M. Costa
UK	:	Mr D. Harrop
Romania	:	Mr M. O. Radovici
Russia	:	Mr A.V. Muradov

As mentioned in the minutes of the Frankfurt BoA meeting, in connection with the role of the STAC to encourage, improve and control the work of the Working Parties, the importance of electing members capable of realising this fundamental mission must be taken into account. At present, with the President, the 9 elected members, the 16 WP chairmen, the STAC Chairman and the Scientific Secretary, the attendance at STAC is almost 30. Two options for changing the STAC membership rules could be proposed:

- 1- STAC should have relatively few elected members (about 6) all with the strong mission to validate and guide the work of the Working Parties;
- 2- STAC should include all of the Working Party Chairmen as full members of STAC.

As these proposals would necessitate a change of the STAC rules, this matter will be discussed during the meeting of BoA.

Item 11 Any other Business

Members are invited to raise any other matters.

Item 12 Date and Place of next BoA

The next BoA meeting will be held in spring 2002, in London, at a time and in a room to be announced later.

APPENDICES

Appendix 1

Dr. J. Philippe Berge
CEFRACOR
28, rue Saint-Dominique
F-75007 Paris
France



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Institute for Energy Technology

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Tel.: +47 63 80 60 00
Fax.: +47 63 81 11 68
Org. nr.: 959432538

Vår/Our ref.: LL/RME
Dir. line: +47 63 80 62 65

Deres/Your ref.:

Dato/Date: 2001-06-11

Dear Philippe,

This is to inform you that I plan to withdraw from STAC after EUROCORR 2001. I will then have served 2 years of my second three-year-period as Chairman of STAC. The main reason for this decision is that I, in my new job, no longer is directly involved in corrosion problems in my daily work. I have been a member of STAC since 1990, and time has definitely come to replace me with other and younger people.

Few proposals for new STAC members had been received before the last BoA meeting in Frankfurt. Immediately after the meeting I contacted the Chairman of Norsk Korrosjonsteknisk Forening, Mr. Torfinn Havn, and asked him to nominate a member for STAC from Norway, and he agreed to do so. I reminded him today and he has found a candidate but not informed you yet. He promised to do so straight away.

It has been very interesting to work with EFC all these years, and indeed very pleasant to co-operate with all of you.

Yours sincerely,
for **Institute for Energy Technology**

Liv Lunde
Research Director
Petroleum Technology

Copy: 
Pascale Bridou

4-5 juin/June, 2002

EFC event nr 253

**Certification en
anticorrosion :
la démarche européenne**

***Corrosion certification:
the european
scheme***

FRANCE

en PROVENCE

6-7 juin/June, 2002

EFC event nr 254

**Protection cathodique
et revêtements
associés**

Ouvrages enterrés ou
exposés au milieu marin

***Cathodic protection
and associated
coatings***

Buried structures
and structures
exposed to marine
environments

**Appel à
communication**

***Call for
papers***

Deux manifestations jointes organisées
par le CEFRACOR avec la collaboration
de la SCI dans le cadre de la Fédération
Européenne de la Corrosion.

*Two related EFC events organised
by CEFRACOR with
the collaboration
of SCI.*



Certification en anticorrosion : la démarche européenne

Sous l'égide du professeur Bonora, alors Président de la Fédération Européenne de la Corrosion (EFC), des ateliers permettant un échange sur les expériences en matière de qualification et certification en anticorrosion se sont tenus lors des EUROCORR de 1997 (Trondheim) et 1998 (Utrecht).

Plusieurs pays d'Europe développent depuis quelques années des systèmes de certification en protection cathodique (Allemagne, Royaume-Uni, France, Italie, Pays-Bas) et la confrontation de ces expériences dans le cadre du groupe de travail 16 de la Fédération Européenne de la Corrosion (EFC WP16) a conduit au lancement du groupe de travail WG5 au sein du comité de normalisation CEN TC 219. De même, de nombreux progrès ont été accomplis dans le domaine des peintures anticorrosion pour la certification des systèmes (ACQPA* en France), des opérateurs chargés de l'application (ACQPA) et des inspecteurs (FROSIO** en Norvège, Institute of Corrosion au Royaume-Uni, ACQPA). Une norme expérimentale CEN est en préparation pour ce qui concerne la certification des inspecteurs.

Le Colloque proposé les 4 et 5 juin 2002 à Aix-en-Provence a pour but de prolonger et d'amplifier les échanges sur ces expériences ainsi que sur les composantes formation et qualification liées à la certification. La démarche européenne sera particulièrement détaillée, discutée et comparée avec celle de NACE International.

4-5 juin/June, 2002

EFC event nr 253

Corrosion certification: the european scheme

Proposed by professor Bonora, who was chairman of the European Federation of Corrosion (EFC), workshops devoted to experiences in qualification and certification in the field of corrosion prevention took place during EUROCORR in 1997 (Trondheim) and 1998 (Utrecht).

Several European countries (Germany, United Kingdom, France, Italy, Netherlands) are developing certification schemes in cathodic protection. Discussions within EFC Working Party 16 (Cathodic Protection) have led to the launching of standardisation in this field by CEN TC 219 / Working Group 5. In the field of corrosion preventive paint systems, much progress has been accomplished for the certification of systems (ACQPA* in France), operators (ACQPA) and of inspectors (FROSIO** in Norway, Institute of Corrosion in UK, ACQPA). An experimental CEN standard is prepared for certification of inspectors.

The Workshop taking place on June 4 and 5th, 2002 in Aix-en-Provence is intended to continue and amplify the exchanges on these experiences and also to discuss training and qualification in relation to certification. The European scheme will be specially outlined, discussed and compared with that of NACE International.

* ACQPA : Association pour la Certification et la Qualification en Peinture Anticorrosion.

** FROSIO : Faglig Råd for Opplæring og Sertifisering av Inspektører innen Overflatebehandlingsfagene.

Protection cathodique et revêtements associés

Ouvrages enterrés ou exposés au milieu marin

Les premières journées CEFRACOR d'Aix-en-Provence de mai 1994 sur la " Protection et l'anticorrosion des ouvrages en acier et en béton armé et précontraint en milieux marins " et les deuxièmes journées de juin 1999 sur " La maîtrise de la corrosion des ouvrages par protection cathodique et revêtements " ont été un succès et ont chaque fois attiré plus de 150 professionnels. La Commission Protection Cathodique et Revêtements Associés du CEFRACOR organise les troisièmes journées d'Aix-en-Provence sur la " *Protection cathodique et revêtements associés* " les 6 et 7 juin 2002, concernant plus particulièrement les " Ouvrages enterrés ou exposés au milieu marin ".

L'enquête effectuée à l'issue des journées de juin 1999 a révélé le souhait des participants de tenir à nouveau cette manifestation 3 ans après, en raison de l'évolution rapide des techniques et de la normalisation dans ce domaine.

Il a paru souhaitable de rattacher cette nouvelle manifestation au colloque sur la " Certification en anticorrosion " proposé par la Fédération Européenne de la Corrosion. De ce fait, la manifestation devient internationale, gagnant ainsi à la fois en richesse et en notoriété.

6-7 juin/June, 2002

EFC event nr 254

Cathodic protection and associated coatings

Buried structures and structures exposed to marine environments

The first CEFRACOR seminar held in Aix-en-Provence in May 1994 on " Protection and corrosion prevention of steel and reinforced or prestressed concrete marine structures " and the second seminar in June 1999 on " Corrosion Prevention of structures using Cathodic Protection and Coatings " were very successful and were attended by more than 150 professionals. The CEFRACOR Working Party on Cathodic Protection and Associated Coatings is now organising the third Aix-en-Provence Seminar on " Cathodic Protection and Associated Coatings " on June 6 and 7th 2002, devoted in particular to " Buried structures and structures exposed to marine environments ".

A survey carried out at the end of the June 1999 seminar showed that delegates were keen that another such event should be held in only 3 years time because of the rapid development of techniques and standardisation in this field.

It appeared advantageous to hold this new event in conjunction with the Workshop on " Certification in corrosion " prevention proposed by the European Federation of Corrosion. Hence, this event has become an *international* one, gaining in prestige and publicity.

Appel à communications *Call for papers*

Vous êtes invité à proposer toute communication orale ou poster sur l'un des thèmes du programme prévisionnel suivant :

You are invited to propose any oral presentation or poster on the following topics of the anticipated programme:

Tous ouvrages

- conception et modélisation de la protection cathodique
- critères de protection, compatibilité
- interférences avec mise à la terre
- normalisation en protection cathodique et revêtements : état et retour d'expériences

All structures

- CP design and modelling
- protection criteria, compatibility
- interferences with earthing
- standardisation in CP and coatings: status and feedback

Ouvrages à terre

- Canalisations enterrées
- revêtements, corrosion, inspection
- techniques de mesure de protection et de recherche de défauts de revêtement
- influences, courants vagabonds, courants alternatifs induits

Land structures

- Buried pipelines
- coatings, corrosion, inspection
- techniques for measuring protection and detecting defects in coatings
- interferences, stray currents, induced AC currents

Réservoirs de stockage

- réservoirs enterrés
- réservoirs reposant sur le sol

Storage tanks

- buried tanks
- above ground tanks

Ouvrages en béton

- aériens
- enterrés ou immergés

Concrete structures

- exposed to air
- buried or immersed

Ouvrages maritimes

- ouvrages portuaires
- installations offshore
- offshore profond

Marine structures

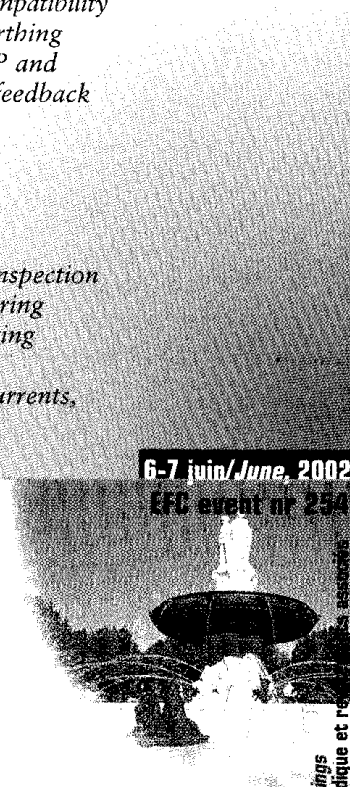
- harbour installations
- offshore installations
- deep offshore

Comité scientifique *Scientific committee*

M. Roche (Chairman, Président de la Commission Protection Cathodique et Revêtements Associés du CEFRACOR),
 B. Cavalié (I.D.R.), Ch. Compère (IFREMER), D. Copin (CEFRACOR),
 G. Gaillard (BS Coating), Ph. Le Hô (CCTA), Ph. Marcus (Président du Comité Scientifique et Technique du CEFRACOR), J.P. Pautasso (DGA), G. Pinard Legry (Président CEFRACOR),
 A. Pourbaix (CEBELCOR), I. Ragault-Rolland (Gaz de France),
 A. Raharinaivo (LCPC), J.P. Samaran (CEFRACOR), J. Vittonato (COREXCO)

Comité d'organisation des deux manifestations *Organising committee of both events*

M. Pierre (Chairman, CEFRACOR),
 Ph. Berge (President EFC 1999-2001), P. Bridou (SCI), D. Copin (CEFRACOR), H. Founas (CEFRACOR),
 J.M. Fourez (Gaz de France), Ph. Meunier (SNCF), M. Roche (TotalFinaElf)



6-7 juin/June, 2002
 EFC event nr 254

Cathodic protection and associated coatings
 Protection cathodique et revêtements

EFC event nr 263
4-5 juin/June, 2002

Programme prévisionnel *Anticipated programme*

Généralités sur la certification

- procédures, organismes, buts

General aspects of certification

- *procedures, bodies, aims*

Protection cathodique

- personnel
- services
- sociétés
- démarche européenne

Cathodic protection

- *personnel*
- *services*
- *companies*
- *the european approach*

Revêtements

- inspecteurs
- opérateurs chargés de l'application
- systèmes de revêtements

Coatings

- *inspectors*
- *operators*
- *coating systems*

Formation

- organisation
- moyens

Training

- *organisation*
- *means*

Comité scientifique international *International scientific committee*

P.L. Bonora (Chairman)
Ph. Berge (President EFC 1999-2001), J. Beslin (AFNOR Certification),
M. Burgun (GEPI), J.M. Costa (Chairman EFC WP 7), L. Di Biase (CEOCOR),
B. Isecke (Chairman CEN TC 219), P. Leroy (President CEOCOR),
B. Linder (President EFC 2001-2003), P. McIntyre (Scientific Secretary EFC),
G. Maire (ACQPA), G. Pinard Legry (President CEFRACOR), P. Ravinet (CEFRACOR),
G. Reiff (DVGW), A. Rinvoll (General Secretary FROSIO),
M. Roche (Chairman EFC WP 16, convenor CEN TC 219/WG 5),
G. M. Shankel (Executive Director NACE International), E. Stella (President APCE),
J. Vogelsang (Chairman EFC WP14)

Comité d'organisation des deux manifestations *Organising committee of both events*

M. Pierre (Chairman, CEFRACOR),
Ph. Berge (President EFC 1999-2001), P. Bridou (SCI), D. Copin (CEFRACOR), H. Founas (CEFRACOR),
J.M. Fourez (Gaz de France), Ph. Meunier (SNCF), M. Roche (TotalFinaElf)

Lieu	Aix-en-Provence est située à environ 30 km de Marseille (sud-est de la France). Les deux colloques se dérouleront au Palais des Congrès d'Aix-en-Provence, à 5 min à pied du centre historique, propice à un séjour au cœur de cette ville au charme bien connu, en début de saison estivale.
Hôtels et restauration	De nombreux hôtels existent en ville et seront proposés avec le programme. La restauration de midi permettra de goûter à l'atmosphère des restaurants typiques du centre ville. Une réception à l'Hôtel de Ville et un dîner officiel sont prévus.
Moyens d'accès	Aix-en-Provence est facilement accessible (30 min par bus ou taxi) à partir de l'aéroport international de Marseille, situé à 22 km (navettes toutes les demi-heures avec Paris). Dès juin 2001, le TGV Paris-Marseille permettra d'atteindre la gare TGV Aix-Marseille depuis Paris en 3 h. Une bonne occasion pour goûter à la vitesse (300 km/h) sur cette nouvelle ligne.
Frais d'inscription prévisionnels (HT)	Event n° 253 (4-5 juin 2002)450 € Event n° 254 (6-7 juin 2002)450 € Participation à l'ensemble (4-7 juin 2002)750 €
Réduction	10 % pour les membres CEFRACOR et autres associations membres de la Fédération Européenne de Corrosion.
Location	<i>Aix-en-Provence is located at about 30 km from Marseille in the south-east of France. Both events will be held at the Aix-en-Provence "Palais des Congrès" located at a 5 min walk from the historical town centre, an ideal site for staying in the heart of this famous town, at the beginning of the summer season.</i>
Accommodation	<i>A number of hotels exist in the town centre and will be proposed with the programme. Lunches will be taken in typical town centre restaurants. A reception at the City Hall and an Official Dinner will be provided.</i>
Travel arrangements	<i>Aix-en-Provence is easily accessible (30 min by bus or taxi) from the Marseille international airport located 22 km away (flights are every 30 min from Paris). From June 2001, the High Speed Train (TGV) Paris-Marseille will allow the new TGV Aix-Marseille station to be reached from Paris in 3 hours. This will provide a good opportunity to experience the high velocity (300 km/h) on this new railway line.</i>
Tentative registration fees (VAT excluded)	Event n° 253 (4-5 June 2002)450 € Event n° 254 (6-7 June 2002)450 € Both events (4-7 June 2002)750 €
Discount	10 % for members of CEFRACOR and other Member Societies of the European Federation of Corrosion.

Pour les participants français, les frais d'inscription de chaque colloque (hors restauration) sont susceptibles d'être imputés au titre de la formation professionnelle continue, le CEFRACOR étant agréé sous le n° 117 533 140 75.



CEFRACOR

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e-mail : cefracor@club-internet.fr - <http://www.cefracor.org>



your response
RÉPONSE

Nom Name
 Prénom First name
 Société/Organisme Affiliation
 Fonction Position
 Adresse Address

 Téléphone Phone
 Fax Fax
 e-mail e-mail

Je prévois de participer à ☐
l'EFC event nr 253 ☐
Certification en anticorrosion :
la démarche européenne
 et désire recevoir le programme et
 les conditions d'inscription.

I intend to participate in EFC event no 253
Corrosion certification:
the european scheme
and wish to receive the programme
and registration conditions.

Pour les deux manifestations
Une traduction simultanée sera assurée
entre le français et l'anglais.

For both events
There will be simultaneous translation
between French and English

Je prévois de participer à ☐
l'EFC event nr 254 ☐
Protection cathodique et
revêtements associés
 et désire recevoir le programme et
 les conditions d'inscription.

I intend to participate in EFC event no 254
Cathodic protection
and associated coatings
and wish to receive the programme
and registration conditions.

☐ Je soumetts un projet de communication
 et envoie un résumé de 400 mots (avant
 le 30 septembre 2001), de préférence par
 e-mail à l'adresse cefracor@club-internet.fr.
 Les textes définitifs seront à rédiger avant le 15 janvier 2002

I wish to submit a paper and will send a 400-
word abstract (before September 30, 2001),
preferably by e-mail to cefracor@club-internet.fr
The final papers will have to be written by January 15th, 2002

Auteur(s) Author(s)

Event nr 254 ☐
 Communication orale ☐ *Oral presentation*
 Affiche ☐ *Poster*

MINUTES OF THE MEETING ON NACE-EFC COLLABORATION
DECHEMA, FRANKFURT
19 APRIL 2001

Present:	Mr G M Shankel	NACE International Executive Director
	Dr J P Berge	EFC President
	Ms P Bridou	EFC Paris Office
	Dr P McIntyre	EFC Scientific Secretary

1. Approval of the Minutes of the last meeting (London, 13 September 2000)

The minutes of the last meeting (Appendix 4 of Frankfurt Working Papers) were approved without change.

2. Matters Arising

2.1 Possibility of a joint NACE-EFC Corrosion Trade Show in Europe

Mr Shankel reported that he had spoken with his Show Manager and it had been concluded that further dialogue would be needed between NACE International and EFC to identify areas of mutual interest before firm proposals could be made.

He expressed concern that attendance levels at the annual NACE Corrosion conference in the USA had been falling. Some venues were more popular than others, but even though Orlando is one of the most attractive conference venues in the USA, attendance levels there in 1996 and 2000 had been disappointing. He felt that the technical content of the NACE Corrosion conferences is good and expressed optimism that plans to offer courses on corrosion training and continuing professional development in conjunction with future events would attract more delegates.

Mr Shankel stated that NACE Europe had suggested that a trade show should be held in Europe to attract practising corrosion engineers.

Dr Berge stated that EFC is actively broadening its appeal to industry and it was felt that cooperation with NACE could be helpful. He referred to the meetings on corrosion certification and cathodic protection to be held in Aix en Provence next year which are mainly targeted at technicians and engineers.

Mr Shankel stated that the NACE coating inspector's programme was being put onto CD-ROM and would soon be available in 4 more languages. NACE had licensed its courses in Trinidad and was about to sign agreements with groups in the Middle East and Europe. He believed that it would be helpful to NACE to work jointly with EFC in the certification field and, possibly, on the development of standards.

3. NACE Participation in the Aix Meeting of Certification

Dr Berge invited NACE to provide a general plenary lecture about the NACE approach to certification in the coatings and cathodic protection fields at the meeting in Aix and undertook to arrange for NACE to receive an official invitation from Cefracor.

Action: Dr Berge

Mr Shankel confirmed that someone from NACE would make a presentation in Aix and agreed to provide details of the speaker and the title. He felt that the speaker might be Elaine Bowman, the International Marketing Director of Baker Petrolite (an inhibitor manufacturer), who is to be the next President of NACE.

Action: Mr Shankel

Dr Berge stated that there will be an exhibition on cathodic protection and coatings in Aix and suggested that NACE should cooperate over the arrangements. Both EFC and NACE could attract exhibitors and the proceeds from the exhibition could be shared on a pro-rata basis. This would provide the opportunity to begin cooperation on a small scale to ensure that no unexpected problems arise. He thought that the EFC might attract 15-20 exhibitors from France alone.

Mr Shankel agreed to this proposal and thought that the number of exhibitors could easily be increased to 100. He agreed to provide Mr Berge with a list of potential exhibitors from the fields of coatings and cathodic protection and suggested that NACE should work with EFC on a joint exhibition prospectus that could be sent to potential exhibitors from Europe and the USA.

Action: Mr Shankel

Mr Berge undertook to arrange for Mr Roche to write to NACE about collaboration over the arrangements for the exhibition in Aix and to invite the NACE Exhibits Director to attend a meeting of the Organising Committee for the Aix events in Paris prior to EUROCORR 2001.

Action: Mr Berge

Mr Shankel suggested that the Aix meetings and exhibition should be publicised in the January 2001 issue of Materials Performance. The exhibition could be advertised as a joint EFC/NACE exhibition, and the first venture between the two organisations. The text of the advertisement would be needed by November/December 2001. Ms. Bridou agreed to forward the Acrobat file of the Call for Papers for Aix to NACE.

Action: Ms Bridou

4. Coordination of NACE and EFC Events Calendars

It was agreed that a regular exchange of calendars of forthcoming events should be initiated between NACE and EFC. Dr McIntyre agreed to forward the EFC calendar of events to NACE so that it can publicise them.

Action: Dr McIntyre

Mr Shankel proposed that links should be established between the NACE web sites (in Houston and in each European country) and the EFC web site in Frankfurt. Dr Berge agreed to discuss this possibility with Dr Meier of the Frankfurt Office.

Action: Dr Berge

5. Reciprocal Arrangements for Discounts on Publications

Mr Shankel confirmed that the NACE Board had agreed to a reciprocal arrangement with EFC for all of its products to be available (at NACE member rates) to every member of the EFC Member Societies.

Dr McIntyre undertook to publicise this in the next issue of the EFC Newsletter. He agreed to emphasise the savings available to EFC members on all NACE products (including conferences and meetings), on quoting their EFC Membership Card number. Reciprocally, all EFC products, including books and conferences, will be made available to NACE members at the EFC member rate on quoting their NACE membership numbers.

Action: Dr McIntyre

It was agreed that the EFC Publications catalogue should be put on the EFC website. Dr McIntyre agreed to discuss this with Dr Meier and to send a supply of printed catalogues to NACE for display at the NACE International Headquarters in Houston.

Action: Dr McIntyre

6. Options for joint NACE-EFC Corrosion Trade Shows in Europe

Looking ahead, Mr Shankel queried the future of EUROCORR and envisaged a new event called “Corrosion Europe with EUROCORR”. He suggested that the event could be organised jointly by EFC, NACE and the UK Pipeline Guild. It could include peer-reviewed papers or round table discussions without peer review. The technical sessions would take place in the mornings and the afternoons would be set-aside for three-hour visits to the exhibition. The audience for these events would be less academic than is normally the case at EUROCORR. As well as a trade show the new events would include:

- NACE training courses for engineers and technicians run by people from Europe such as Marc Arav of EMTS;
- a mega book store for publications by all of the corrosion associations in different languages;
- Plant tours throughout the week of the event.

Mr Shankel went on to propose the formation of a joint executive committee to identify venues, set up budgets and oversee the split of profits from the new events, together with separate locally-based organising committees for each event. He also suggested that professional conference organisers could be brought in to run the events.

Dr Berge explained that this was not what EFC envisaged. In his view conferences and large exhibitions do not work well together. He suggested that in 2003 it would be better to hold a joint EFC-NACE Trade Show in Paris during the period October - December 2003 rather than add a joint trade show onto EUROCORR 2003 in Budapest. Mr Shankel agreed to prepare firm proposals for the trade show and the formation of a joint executive committee for further discussion in Riva del Garda.

Action: Mr Shankel

Looking still further, Mr Shankel asked Mr Berge to provide a list of possible venues in industrial European countries for subsequent joint NACE-EFC Trade Shows. These should provide good transportation and facilities for an exhibition of at least 100 stands together with meetings.

Action: Dr Berge

7. Date and Place of Next Meeting

It was agreed that another meeting on NACE-EFC Collaboration should take place during EUROCORR 2001 in Riva del Garda (30 September - 4 October 2001). Dr McIntyre agreed to invite Dr Bufalini of AIM to make provision for such a meeting during the conference.

Action: Dr McIntyre

Report on the first meeting of the MatNet Steering Committee

Frankfurt, 2 February 2001

I have to report that progress at this meeting was disappointing.

The official start date for MatNet was 1st January 2001. It was expected that the Steering Committee would be giving its final approval for seven projects in the Structural Materials area, including the EFC Project on Waste Incineration. In fact, it was reported that the EFC proposal was the only one that FEMS had received to date. Five other societies (ECerS, EPMA, ESB, EOS and EPF) had notified FEMS of their intention to organise Topical Groups (see overleaf) but had not yet prepared proposals. ESIS had not responded at all and was not represented at the Steering Committee. The Matnet Project is supposed to establish nine Topical Groups in all, seven on structural materials (including the EFC project) and two on functional materials.

Peter Schepp distributed copies of the EFC proposal as a 'Model Proposal' for the others to follow and gave everyone until 15 March to submit complete proposals which will be displayed on the MatNet website (<http://www.matnet@dgm.de>). These proposals will be discussed at the next meeting of the Steering Committee, planned to take place in Rimini on 14-15 June. At that time, Societies will be told whether they can begin work on their Topical Groups.

I complained that it is two years since the EFC first submitted its proposal and that it would be intolerable to have to wait until June before being given approval to begin work, especially since the official start date of MatNet was 1st January. Peter Schepp accepted this point and said that he expected to be in a position to authorise EFC to begin work by mid-March.

Paul McIntyre
EFC Scientific Secretary
6 February 2001

MatNet - Update of Progress Since February 2001

On 23 May I received a telephone call from Dr Schepp. He informed me that the second meeting of the MatNet Steering Committee, scheduled to take place in Rimini in June, would have to be postponed due to lack of progress. I suggested that the meeting could instead take place in Riva del Garda on Friday 5 September.

Dr Schepp gave me verbal authorisation for work on the EFC project to begin immediately, and he promised to provide written confirmation of this. When I had received nothing in writing by 29 June, I e-mailed FEMS to remind it that I was waiting for written approval to begin work. The matter was discussed with the EFC President on 6 July and he agreed that no expenditure should be committed without written approval from FEMS. When I had received nothing from FEMS by 17 August, I wrote again, but have still received no reply.

Paul McIntyre
30 August 2001

MatNet - Establishing a Materials Societies Network

Code	Society	Y/N	Organisation of a Topic	Further Interest	2 Feb 01
2CR	Federation of European Materials Societies FEMS				
4MB	European Ceramic Society ECeS	Y	Processing of ceramic materials at low temperatures	Protective Coatings; ferroelectrics, piezoelectrics, dielectrics for microwaves; fuel Cells, Li batteries	
5MB	European Federation of Corrosion EFC	Y	Waste Incineration	None	
8MB	European Powder Metallurgy Association EPMA	Y	Simulation of Shaping Near Net Shaping	MMC, Near Net Shape, Simulation, Transportation	
9MB	European Society for Biomaterials ESB	Y	Medical and Biological Applications	environmental Techniques; testing and characterisation of materials; Nanotechnologies; surface modification	
10MB	European Society for Composite Materials ESCM	Y			
11MB	European Structural Integrity Society ESIS	N			
3CR	European Materials Research Society EMRS				
6MB	European Optical Society EOS	Y	Optical Materials	Optical Materials, Non-linear Materials	
7MB	European Polymer Federation EPF	Y	Polymers	Structure vs Performance, Crossing Length Scales, Hybrid Materials, Nanocomposites	

GUIDELINES FOR THE ORGANISERS OF EUROCORR EVENTS

1. Organisation

- 1.1 As laid down in the EUROCORR Agreement, each event is to be organised by both an Organising Committee and an International Scientific Committee. The Organising Committee, to be nominated in advance by the host country, will include a member of the EFC Board of Administrators. It will have responsibility for the overall arrangements as spelled out in clause 2 of the Agreement. The International Scientific Committee, chaired jointly by the chairmen of the Organising Committee and of STAC, will include the EFC Scientific Secretary and the Chairmen of the EFC Working Parties, as appropriate, and will have responsibility for the technical aspects referred to in clause 1 of the Agreement.
- 1.2 Good organisation is essential. Meetings of organising committees must be well run and effective.
- 1.3 The efforts of the Organising Committee should be supported by help from the EFC in identifying topics of wide industrial interest.
- 1.4 The Organising Committee must invite members of the International Scientific Committee to at least one meeting in the host country to discuss the scope and content of the technical sessions and the split between oral and poster presentations.
- 1.5 Debriefing sessions should take place after each EUROCORR event so that any lessons can be recorded and passed on to the organisers of subsequent conferences.
- 1.6 In order to establish EUROCORR as a major international event and as the main annual event in the corrosion calendar for Europe, the host country may not hold another national corrosion event of similar standing in the same year. It is, however, welcome to integrate a national event into a EUROCORR conference.

2. Programme

- 2.1 There must be several strong sessions on industrial topics which will be attractive on a European scale and will complement the more fundamentally-based sessions offered by some Working Parties. These should have appeal to a much wider audience than just the other speakers and WP members at the conference. The aim must be to attract a majority of people from outside the EFC who attend because of what they can learn that will be relevant to their work.
- 2.2 Efforts should be made to attract speakers from industry, including those from related fields such as civil engineers and mechanical engineers.
- 2.3 Where possible, both the WP Chairmen and the organisers should focus the sessions on 'hot' topics having particular relevance to new and developing technologies.

2.4 Each WP Chairman should accept full responsibility from the local organising committee for arranging a session that is not wholly dependent on papers submitted in response to the Call for Papers. Selected experts should also be invited to make contributions in order to guarantee the high quality of the programme. Each session should be of an agreed length and attract an agreed number of delegates. The WP Chairmen should take whatever actions are necessary to achieve their agreed targets.

Note: WP Chairmen whose topics are in decline may be released from this obligation with the agreement of the organising committees.

- 2.5 Some sessions should focus on very specific points since these can often be of broad interest. They need not be organised by the WP Chairman if some other member of the WP has more relevant knowledge of the subject.
- 2.6 Where particular topics span the interests of more than one working party, there should be good liaison between all interested WP Chairmen to ensure that a coordinated approach is adopted (as in the case of inhibitors, and cathodic protection, for example). Joint sessions involving two or more WP should be organised, where appropriate.
- 2.7 In addition, the local organisers should provide special topics of broad interest, encompassing disciplines other than just corrosion, and should identify key local speakers for them.
- 2.8 Within the constraints imposed by the number and length of the sessions and the duration of the conference, the organisers should make every effort to minimise overlap between sessions that are likely to be of interest to the same audience, e.g. Cathodic Protection and Marine Corrosion.
- 2.9 The organisers should consult the WP Chairmen before publishing the first Call for Papers by circulating a draft version by e-mail for comment within two weeks. This will ensure that the wishes of the WP Chairmen regarding joint sessions, etc. are taken into account.
- 2.10 The organisers should also consult the WP Chairmen in the same way before publishing the Provisional Programme in order to ensure that the proposed arrangements regarding the content and timing of their sessions meets with their approval.
- 2.11 Provision should be included for meetings of the STAC, BoA and GA to take place in conjunction with EUROCORR, together with meetings of as many working parties as wish to meet during the event. The arrangements for these meetings should be publicised in advance of the conference, preferably in the Provisional Programme.

3. Venue

- 3.1 In order to provide an attractive product, the venue should be an appropriate one which can be accessed easily and at reasonable cost from the rest of Europe and where the member societies have a record for their professionalism and efficiency. This has to be confirmed by the STAC when recommending future congress organisers.
- 3.2 Low-cost accommodation should be available for those who need it.

4. Finance

- 4.1 The fees should not be so high that significant numbers of potential delegates are deterred from attending.
- 4.2 Reduced fees which encourage delegates to attend only a limited part of the conference should not be offered as a rule.
- 4.3 The local organisers must provide the EUROCORR levy to the EFC. This is currently 15 Euros per full fee paying delegate, subject to a minimum sum of 4,500 Euros, irrespective of the actual number of registrants. It is subject to periodic review by the EFC Board of Administrators and, from 2003 is scheduled to change to 5% of the total registration fees. Provision should be made for this levy when setting the fees for the conference.

5. Exhibition

- 5.1 DECHEMA will maintain contact with regular exhibitors and will develop a network of corporate sponsors who will exhibit at favourable rates at successive conferences.
- 5.2 The local organising committee should delegate responsibility for the organisation of the Exhibition to an individual who should liaise with DECHEMA.
- 5.3 It should be remembered that exhibitions are usually easier to arrange if they focus on a particular topic (e.g. coatings).

6. Publicity

- 6.1 The WP Chairmen will be responsible for publicising their sessions amongst their clientele. Each WP Chairman must encourage participation by delegates from industry and from non-EFC countries by distributing information about forthcoming conferences to their colleagues in industry and in other countries.
- 6.2 A mailing list should be built up of attendees at previous EUROCORR events and this should be passed on to the organisers of subsequent events.
- 6.3 The organiser of EUROCORR must publicise the event on the www.EUROCRR.org website which is available for this purpose from DECHEMA. Links to this website should be included on the www.EFCWEB.org website at DECHEMA, which is available for general EFC publicity purposes, and on the websites of both the Host Society/Societies and the other EFC Member Societies.
- 6.4 The host country should aim to provide at least one-third of the total number of registrants.

7. Other Points

- 7.1 Under the reciprocal agreement with NACE, the President of NACE will be invited to attend EUROCORR as a guest of the EFC. Both his registration fee and his attendance at the conference dinner will be borne from EFC funds.
- 7.2 Also under the reciprocal agreement with NACE, the organisers of EUROCORR will provide NACE with one complimentary place in the EUROCORR Exhibition.
- 7.3 The organisers will provide complimentary registrations for EUROCORR and the conference dinner to the EFC President and Vice-President, to the EFC Scientific Secretary and Honorary Treasurer, and to the members of the organising committees for EUROCORR. Any other complimentary registrations will be at the discretion of the organisers.

EUROCORR REPORT FORM 1 (TO BE COMPLETED BEFORE THE EVENT)**DATES OF EVENT**..... **VENUE**.....**OVERALL THEME OF THE CONFERENCE:**

.....

ANTICIPATED NUMBERS OF DELEGATES:

CATEGORY	REGISTRATION FEES (ex. VAT)	TARGET NUMBERS
Committee Members, etc.		
Invited Speakers		
Member Authors		
Non-Member Authors		
Members		
Non-Members		
Students		_____
		Total: _____

ITEMS INCLUDED IN THE FEES:

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NUMBERS OF PAPERS:

ORAL PRESENTATIONS:

POSTERS:

TOTAL: _____**TOTAL NUMBER OF TOPICS:**.....**NUMBER OF PARALLEL SESSIONS:**.....

EUROCORR REPORT FORM 2 (TO BE COMPLETED AFTER THE EVENT)**DATES OF EVENT**..... **VENUE**.....**OVERALL THEME OF THE CONFERENCE:**

.....

ACTUAL NUMBERS OF DELEGATES RELATIVE TO TARGETS:

CATEGORY	TARGET NUMBERS	ACTUAL NUMBERS
Committee Members, etc.		
Invited Speakers		
Member Authors		
Non-Member Authors		
Members		
Non-Members		
Students	_____	_____
Total:	_____	Total: _____

EUROCORR LEVY (Subject to a minimum of 4500 Euros):

For EUROCORR 2001: Number of Fee Paying delegates x 15 Euros =

For EUROCORR 2003 onwards: 5 % of total fees paid by delegates =

PERCEIVED REASONS FOR DISCREPANCIES BETWEEN THE ANTICIPATED AND ACTUAL NUMBERS OF DELEGATES:

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LESSONS FOR FUTURE ORGANISERS OF EUROCORR:

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EUROPEAN FEDERATION OF CORROSION

BOARD OF ADMINISTRATORS

30 SEPTEMBER 2001

RIVA DEL GARDA

HONORARY TREASURER'S REPORT

HONORARY TREASURER'S REPORT

1. SUMMARY

The audited statement of accounts for the year ended 31 December 2000 shows that the downward trends apparent 2 years ago have now been reversed. The levy from Eurocorr 2000 has shown a significant income above budget, in common with the previous 2 years. Overall expenditure has been restrained, leading to an improved surplus for the year and a healthier balance in reserve. This will compensate for the loss of Eurocorr income for the ICC year in 2002.

However, there could be some concern about sustaining maximum subscription income, and the administrative cost of collecting the individual contribution rate of 40 Euros has proved to be counterproductive in operational terms. New initiatives with European Union negotiations have indicated increasing demands on the Scientific Secretary's time and travel costs, while anticipating future prospects of new income streams. These items have been considered in reviewing the budget for 2002.

2. AUDITED STATEMENT OF ACCOUNTS FOR THE YEAR ENDING 31 DECEMBER 2000.

Subscription Income (see Annex 1)

The current list of contributions due up to 31.12.00 from Member Societies is shown. Invoices were issued in May and a reminder sent in November. A final reminder was sent to the remaining six MS in arrears in March. Contributions are still outstanding from:

- (a) Branche Belge de la SCI
- (b) CSFCE (Italy) 1999 & 2000
- (c) Union of Engineers & Technologists for the Protection of Metals (Yugoslavia)
- (g) Azerbaijan Society for the Protection of Metals.

CSFCE (Italy) is in serious default for the second time and should be recommended for suspension and their subscription written off as a bad debt.

There is still particular concern about the difficulties in obtaining a response from Branche Belge, whose Bruxelles' address represents the registered address of the EFC under Belgian law.

In 2001 there are additional subscriptions (150 Euros each) due from two new member societies:

- The Corrosion Association, Turkey,
- "ANTI-KOR" International Training & Research Centre, Russia.

Income and Expenditure Account (see Annex 2)

The I/E account compares the budget figures for 2000 with the actual result alongside the figures for 1999.

The Eurocorr levies for both 1999 & 2000 have been included, which has inflated the income for the year. However, the successful outcome of these two conferences has created a surplus of 4,550 Euros, thus providing some compensation for the displacement of the 2002 event by the ICC conference in Spain.

The net result is that the small budgeted surplus of 2,050 Euros has been enhanced to 12,577 Euros and the surplus carried forward has now increased to 18,236 Euros - a more satisfactory position.

Balance Sheet (Annex 3)

This summarises the position with the addition of the Educational Fund, from which there has been no expenditure to date.

Notes expanding on particular items of income and expenditure have also been provided in Annexes 4/1 and 4/2.

This Statement of Account for 2000 is formally submitted for approval by the Board and recommended for adoption by the General Assembly.

3. BUDGET FOR 2002 (Annex 5)

The budget for 2001 forecasts a small surplus. For 2002 a provision has been made for a contribution of 1000 Euros from the major Aix-en-Provence conference on certification. The intention has been to present a balanced budget, only drawing on unrestrictive reserves if necessary, but anticipating a surplus from Eurocorr 2001 on the basis of experience in recent years.

This budget is formally submitted for approval by the Board and recommended for adoption by the General Assembly.

4. REVIEW OF CONTRIBUTION RATES

As originally agreed a consultative review of the contribution rates will be undertaken by the President and the Honorary Treasurer for consideration by the Board at its next meeting. An increase in the contribution rate for MS from Eastern Europe to 200 Euros for 2003 is already under consideration.

5. HONORARY TREASURER'S RETIREMENT

The President, Scientific Secretary and the Hon Treasurer will be consulting to find a suitable successor from the UK corrosion community to take over this office. In the meantime, Dr Booker has agreed to continue in service for the time being.

C J L Booker
Honorary Treasurer
26.08.01

2000 CONTRIBUTIONS TO EFC FUNDING (as at 24 August 2001)

Ref.	SOCIETY	COUNTRY	Charge Euros	Received Euros
1	Eisenhutte Osterreich Montanuniversitat	Austria	1000	1000
2	Branche Belge de la SCI	Belgium	700	-
3	CEBELCOR	Belgium	1500	1500
4	Force Instituttet	Denmark	1500	1500
5	The Finnish Corrosion Society	Finland	1500	1500
6	CEFRACOR	France	1500	1500
7	Societe de Chimie Industrielle	France	1500	1500
8	GFKORR	Germany	1500	1500
9	DECHEMA eV	Germany	1500	1500
10	Associazione Italiana di Metallurgia AIM	Italy	1000	1000
11	CSFCE	Italy	1000	-
12	AITIVA	Italy	1000	1000
13	Nederlands Corrosie Centrum NCC	The Netherlands	1500	1500
14	<i>Bond voor Materialenkennis BVM</i>	<i>expelled</i>	-	-
15	Norsk Korrosjonsteknisk Forening	Norway	1500	1500
16	INETI	Portugal	1000	1000
17	<i>Sociedade Portuguesa de Quimica</i>	<i>expelled</i>	-	-
18	Sociedad Espanola de Quimica Industrial	Spain	1000	1000
19	Swedish Corrosion Institute	Sweden	1500	1500
20	<i>Schweizerische Gesell. für Chimische Ind.</i>	<i>resigned</i>	-	-
21	<i>SGO</i>	<i>resigned</i>	-	-
22	Institute of Corrosion	UK	1500	1500
23	The Institute of Materials	UK	1500	1500
24	<i>Committee of Corrosion Protection, Bulgaria</i>	<i>expelled</i>	-	-
25	Croatian Society for Materials Protection	Croatia	150	150
26	Czech Association of Corrosion Engineers	Czech Republic	150	150
27	<i>Hungarian Chemical Society</i>	<i>resigned</i>	-	-
28	Hungarian Corrosion Society	Hungary	150	150
29	<i>Hungarian Scientific Society of Mech. Eng.</i>	<i>resigned</i>	-	-
30	Polskie Stowarzyszenie Korozyjne	Poland	150	150
31	<i>All Union Corrosion Association</i>	<i>dissolved</i>	-	-
32	Institute of Metals and Technologies	Slovenia	150	150
33	Ukranian Association of Corrosionists	Ukraine	150	150
34	Union of Eng. & Tech. for Prot. of Metals	Yugoslavia	150	-
35	Azerbaijan Society for the Prot. of Metals	Azerbaijan	150	-
36	Corrosion Committee of Romanian Academy	Romania	<u>150</u>	<u>150</u>
TOTAL			<u>25200</u>	<u>24050</u>

**EUROPEAN FEDERATION OF CORROSION
FINANCIAL STATEMENT
Year ended 31 December 2000**

INCOME AND EXPENDITURE GENERAL FUND

INCOME	Note	2000 budget		2000 results		1999 results	
		euro	euro	euro	euro	euro	euro
Subscriptions			26,350		25,965		17,800
Less: Subscriptions provided for	(1)		0		233		1,300
Net subscriptions receivable			<u>26,350</u>		<u>25,732</u>		<u>16,500</u>
EUROCORR levy	(2)		4,500		13,535		6,761
Royalties			3,000		2,791		2,136
Other income	(3)		0		0		912
Working party subscriptions			500		0		469
			<u>34,350</u>		<u>42,058</u>		<u>26,778</u>
EXPENDITURE							
<i>Scientific Secretary</i>							
Fees		12,000		11,460		10,385	
Special fees re Paris Office		0		0		0	
Travel, accommodation, subsistence, postage, stationery & other costs		2,000		3,821		1,937	
IoM administration charge		8,000		7,795		8,050	
	(4)	<u>22,000</u>		<u>23,076</u>		<u>20,372</u>	
Honorary Officers' expenses		3,000		960		929	
Support for working parties	(5)	6,500		4,518		6,872	
Medal		0		0		1,064	
Newsletter		0		0		0	
Bank charges		300		245		372	
Contingency sum		500		682		0	
Total expenditure			<u>32,300</u>		<u>29,481</u>		<u>29,609</u>
(Deficit)/Surplus			<u>2,050</u>		<u>12,577</u>		<u>(2,831)</u>
Exchange gains			0		(902)		1,242
(Deficit)/surplus for the year			<u>2,050</u>		<u>11,675</u>		<u>(1,589)</u>
Surplus brought forward			6,561		6,561		8,150
Surplus carried forward			<u>8,611</u>		<u>18,236</u>		<u>6,561</u>

**EUROPEAN FEDERATION OF CORROSION
FINANCIAL STATEMENT
Year ended 31 December 2000**

EDUCATIONAL FUND

	31/12/00 euro	31/12/99 euro
Grant received	0	4,025
Surplus brought forward	4,025	
Surplus carried forward	<u>4,025</u>	<u>4,025</u>

BALANCE SHEET

	31/12/00 euro	31/12/99 euro
Current assets		
Current year subscriptions (6)	6,400	1,800
Other debtors	6,270	274
Amount held by IoM	11,091	12,162
	<u>23,761</u>	<u>14,236</u>
Current liabilities		
Creditors and accruals	1,500	3,650
Net assets	<u>22,261</u>	<u>10,586</u>
General fund	18,236	6,561
Education fund	4,025	4,025
Total funds	<u>22,261</u>	<u>10,586</u>

EUROPEAN FEDERATION OF CORROSION

NOTES TO FINANCIAL STATEMENTS

1) Subscriptions provided for	2000 results		1999 results	
	euro		euro	
Branche Belge				300
BVM (Netherlands)				800
Ukraine				200
	<u>0</u>		<u>1,300</u>	
2) EUROCORN	euro		euro	
EUROCORN 2000	6,270		0	
EUROCORN 1999	7,265		0	
EUROCORN 1998	0		6,131	
EUROCORN 1997			630	
	<u>13,535</u>		<u>6,761</u>	
3) Other income	£	euro	£	euro
EFC workshop levy	0	0	417	650
Delegate recruitment PCE99	0	0	62	100
Contribution to meeting costs	0	0	100	161
Newsletter sales	0	0	0	0
	<u>0</u>	<u>0</u>	<u>579</u>	<u>911</u>
4) Scientific Secretary	£	euro	£	euro
Fees	7,351	11,460	6,450	10,385
Fees re Paris office	0	0		
Postage	99	154	110	177
Printing & stationery	0	0	182	293
Travel & accommodation	2,352	3,667	908	1,462
Miscellaneous	0	0	3	5
Expenses	2,451	3,821	1,203	1,937
IoM administration charge	5,000	7,795	5,000	8,050
	<u>14,802</u>	<u>23,076</u>	<u>12,653</u>	<u>20,372</u>
5) Support for working parties	£	Euro	£	Euro
Scientific Secretary fees	770	1,200	750	1,208
Postage & courier costs		0	630	1,014
Other 2000 costs (paid)		1,250	657	1,000
Other 2000 costs (accrued)		1,500		3,650
Prior year costs		568		
	<u>770</u>	<u>4,518</u>	<u>2,037</u>	<u>6,872</u>

6) Subscriptions outstanding

	31/12/00	31/12/99	
	Euro	Euro	
CSFCE (Italy)	1800	800	Outstanding 2000
Belgium (SCI)	700	0	
Denmark	1,500	0	
AITIVA (Italy)	1,000	0	
Portugal	1,000	0	
Azerbaijan	150	0	
Swedish Corrosion Institute	0	800	Paid 2000
Bulgaria (expelled)	0	100	Written off 2000
Yugoslavia	250	100	Outstanding 2000
Ukraine	0	200	Provided '99
	<u>6,400</u>	<u>2,000</u>	
Provision for irrecoverable subscriptions		(200)	
	<u>6,400</u>	<u>1,800</u>	
Exchange rate	1.559		

EUROPEAN FEDERATION OF CORROSION
PROPOSED BUDGET FOR 2002

	<u>EXPENDITURE</u>		<u>Budget</u>
	2000 Actual euros	2001	2002 euros
Scientific Secretary:			
Fees	11460	12000	12000
Travel & postage etc	3281	2000	3000
Administration charge	7795	8000	8000
Newsletter	0	0	0
Honorary officers expenses	960	3000	2000
European Corrosion Medal	0	1000	0
Support for Working Parties	4518	6500	4550
Bank charges	245	400	300
Contingency sum	682	800	800
	<u>29481</u>	<u>33700</u>	<u>30650</u>
	<u>INCOME</u>		
Subscriptions	25732	26350	26650
Newsletter sales	0	0	0
Eurocorr Congress levy	13535	4500	1000
Royalties	2791	3000	3000
Individual membership	0	500	0
Other income	0	0	0
Exchange gains	(902)	0	0
	<u>41156</u>	<u>34350</u>	<u>30650</u>
(Deficit)/Surplus	11675	650	0

REPORT OF THE SCIENTIFIC SECRETARY TO THE BOARD OF ADMINISTRATORS (SEPTEMBER 2001)

During the four months since the last meeting of the Board of Administrators in Frankfurt, the Scientific Secretary organised and participated in a meeting of the EFC Task Force which took place in London on 6 July 2001. At that meeting the arrangements for EUROCORN 2001 were discussed and it was agreed that a meeting between EFC and AIM, the organisers of the event, should take place urgently to discuss various EFC concerns about the arrangements. Regrettably, AIM declined the request to meet with the EFC President and Scientific Secretary in Milan or Paris or London.

This meant that the Scientific Secretary had to engage in correspondence with AIM concerning the arrangements for EUROCORN 2001. Unfortunately, no replies to these communications have been received and, as a consequence, with only a month to go before the conference, there is no information about:

- the schedule of WP meetings (times and places);
- the locations of the STAC, BoA and GA meetings;
- the arrangements for the presentation to Prof. Grabke of honorary membership of the EFC
- whether Prof. Grabke, Prof. Bardal, Dr Al Adel, the Chief Executive of NACE, EFC Officials and WP Chairmen who need it will receive complimentary registrations to EUROCORN 2001;
- whether a room will be provided for the NACE/EFC meeting
- whether NACE will be offered a free booth in the Exhibition
- etc., etc.

In connection with EFC publications, the Scientific Secretary has provided assistance to the EFC Series Editor in preparing three new additions to the EFC Series (EFC 33: Marine Corrosion of Stainless Steels; EFC 34: Lifetime Modelling of High Temperature Corrosion; and EFC 35: Corrosion Inhibitors for Steel in Concrete), all of which should be available for sale at EUROCORN 2001. Issue 11 of the EFC Newsletter is currently being produced and distributed to the EFC Member Societies and to members of the EFC Working Parties. It is also being provided to VCH for publication in "Materials and Corrosion" and to Dr Meier at DECHEMA for publication on the EFC website.

Administrative activities have included the preparation and distribution of the Working Papers for the meeting of STAC in Riva del Garda and administration of the financial support for EFC Working Parties. Help has also been provided to the EFC Treasurer in preparing and distributing the invoices for this year's contributions to the EFC Member Societies and to the Paris Office in preparing the minutes of the meeting of BoA in Frankfurt and the Working Papers for the meetings of BoA and the General Assembly in Riva del Garda.

Progress has been achieved with the application for financial support from the EU to provide bursaries to enable students and others of limited means (e.g. from eligible Eastern European states) to participate in the EFC Workshop on certification to be held in Aix en Provence next year. The initial proposal, with the acronym "CORRCERT", was rated highly and has been accepted for contract negotiation. This has necessitated the completion of numerous contract preparation forms and a detailed "description of work". The EU has expressed concern about making payments into the EFC account in London since the Federation is registered in Belgium. It is also worried that The Institute of Materials is not specifically referred to in the EFC Statutes. This may demonstrate a need for the Statutes to be brought up to date. In the meantime, the EU has been provided with a copy of the EFC Bye-Laws. These explain that the London Office, located at The Institute of Materials, is responsible for EFC Finances and it is hoped that this will allow payment to be made. Although rather time consuming, this experience will be of value should further proposals for EU support be submitted in future.

Paul McIntyre
30 August 2001

NEW TITLES IN THE EFC SERIES

EFC 33: Marine Corrosion of Stainless Steels

This volume contains 28 papers on various aspects of the marine corrosion of stainless steels that have been presented at European corrosion conferences in the last five years but which have not so far been published as the complete papers. All the original material presented at these conferences has now been checked by the authors and where necessary brought up-to-date.

In particular the volume describes in detail the approaches to, and results from, two European cooperative testing programmes on the corrosivity of sea waters around the European continent. There are also substantial contributions in the fields of Materials Selection, Testing and Experience - including desalination, plate heat exchangers etc., and Protection and Monitoring. A detailed Index of contents is included.

The volume was prepared by members of the EFC Working Party on Marine Corrosion.

EFC 34: Lifetime Modelling of High Temperature Corrosion Processes

Resistance against environmental corrosion is a major property requirement of components which have to operate at high temperatures e.g. in steam power plants, chemical and petrochemical plants, waste incineration plants, engines and gas turbines. The resistance of the materials against high temperature corrosion relies on the formation of protective surface scales which prevent direct access of the corrosive environment to the surface of the free material. Extensive research efforts in recent years have led to the development of a large number of materials which possess suitable resistance against corrosion in specific applications. The development of models which allow long term extrapolation of materials degradation by high temperature corrosion and prediction of component life are of crucial importance for reliable plant operation especially in cases where materials are subjected to severe service conditions respect to temperature, stress and/or corrosivity of the environment. A two-day EFC workshop held at DECHEMA in Frankfurt/Main on 22 and 23 February 2001 addressed these important aspects of high temperature materials application. This new publication contains 28 selected contributions to this workshop. The first section deals with investigation and modelling of specific degradation processes in alumina formers, iron oxide and chromia formers, composites and coatings, and thermal barrier systems. The second section covers general lifetime prediction approaches. The authors report the results from recent research projects, and thus provide a comprehensive survey of the present knowledge and understanding of this technologically important topic.

The volume was prepared by members of the EFC Working Party on Corrosion in Hot Gases and Combustion Products.

EFC 35: Corrosion Inhibitors for Steel in Concrete

The use of inhibitors for reinforced concrete structures is a relatively new field of application. This state of the art report describes in detail the different commercial inhibitors for the use in concrete and their mechanistic actions and represents experiences from laboratory and field tests. The document deals also with possible effects of inhibitors on concrete properties and with their long term efficiency. Furthermore, different test methods to evaluate the behaviour of corrosion inhibitors for steel in concrete are described and critically assessed.

The report is valuable for researchers as well as practitioners who are working on improvements of corrosion protection of reinforcing steel or the rehabilitation of steel reinforced concrete structures, respectively. Owners, designers and contractors will profit by this actual overview on the current state of knowledge which could serve to better assess the possibilities but also limitations of the use of inhibitors for concrete structures. It is hoped that this report will have a large readership both from corrosion specialists and from civil engineers.

The report was prepared by members of a Task Group of the EFC Working Party on Corrosion of Reinforcement in Concrete.

EFC CALENDAR OF FORTHCOMING EFC EVENTS

Date/venue	Conference	Contact
30 September – 4 October 2001 Riva del Garda, Italy	EUROCORR 2001 (EFC Event No. 246)	AIM, Piazzale Rodolfo Morandi 2, 20121 Milano, Italy Fax: +39 02 7602 0551 e-mail: aim@fast.mi.it
21-23 November 2001 Poraj, Poland	7 th All Polish Corrosion Symposium “New Achievements in Corrosion research and Engineering” (EFC Event No. 262)	Biuro Sympozjium Poraj '2001 Politechnika Częstochowska Katedra Chemii, Al. Armii Krajowej 19, PL 42-200 Częstochowa, Poland fax: +48 34 3250602 e-mail: symp@mim.pcz.czyst.pl
26-29 November 2001 Caderache, France	Prediction of Long Term Corrosion Behaviour in Nuclear Waste Systems (International Workshop - EFC Event No. 256)	Dr D. Feron, CEADPC/SCCME Bâtiment 458, 91191 Gif Sur Yvette, France fax: +33 (0) 1 69 08 15 86 e-mail: damien.feron@cea.fr
9-10 May 2002 Gdansk, Poland	Symposium on Cathodic Protection - Theory and Practice (EFC Event Number 250)	Prof. K. Darowicki/Dr J. Jankowski Dept. of Anticorrosion Technology Technical University of Gdansk Narutowicza 11/12, PL 80-952 Gdansk Poland fax: +4858 347 1092
16-17 May 2002 Pamplona, Spain	Corrosion by Carbon and Nitrogen - Metal Dusting, Carburisation and Nitridation (EFC Event No. 258)	Prof. Dr. H. J. Grabke Max-Planck-Institut für Eisenforschung Postfach 140 444, 40074 Düsseldorf Germany fax: +49 211 6792 277 e-mail: grabke@mpie.de
4-5 June 2002 Aix en Provence France	Corrosion Certification: The European Scheme (EFC Event No. 253)	Daniel Copin CEFRACOR, 28 rue Saint-Dominique 75007 Paris, France fax: +33 (0) 1 45 55 90 74 e-mail: cefracor@club-internet.fr
6-7 June 2002 Aix en Provence France	Cathodic Protection and Associated Coatings (EFC Event No. 254)	Daniel Copin CEFRACOR, 28 rue Saint-Dominique 75007 Paris, France fax: +33 (0) 1 45 55 90 74 e-mail: cefracor@club-intemet.fr
17-21 June 2002 Kraków, Poland	“Corrosion 2002” (Korozja 2002) (EFC Event No. 260)	Prof. M. Danielewski, Academy of Mining and Metallurgy, 30 A. Mickiewicza Al., PL - 30 059 Kraków, Poland
23-27 September 2002 Fontevraud France	Fontevraud V: Contribution of Materials Investigation to the Resolution of Problems Encountered in Pressurised Water Reactors (EFC Event No. 259)	SFEN - Fontevraud V 67 rue Blomet F-75015 Paris, France fax: +33 (0) 1 5358 3211