

Minutes of the 20th ICAF Business Meeting
Ottawa, Thursday 11 June 1987

1. Opening

The meeting was opened at 19.15 hrs, with all National Delegates or their representatives being present. A special welcome was addressed to professor Kobayashi (Japan), who attended the Business Meeting for the first time, and to Mr. Meurrens, who represented Mr. Maenhaut as the Belgian delegate.

2. Establishment of the agenda

The agenda was accepted with a minor modification proposed by the General Secretary (6.2 before 6.1).

3. New National Delegates

U.K.: Dr. Edwards had informed the General Secretary before that he resigned from the Royal Aircraft Establishment on 8th May 1987, which implies that the position of the U.K. National Delegate is vacant. He had discussed the possibilities for a successor at RAE, and he worried about how successful that might be. At the moment Robin Cook (RAE) will deal with all ICAF matters (ICAF documents exchange). Dr. Edwards suggested that a letter should be written by the General Secretary to Dr. A.C. Ham to explain the importance of the U.K. participation in ICAF. The General Secretary will do so after he has returned to Delft early in July. If possible Mr. de Jonge will informally contact Dr. Ham for the same reason.

Note: ICAF-documents for the U.K. should be sent to Mr. R. Cook, same address as Dr. Edwards before.

Belgium: Mr. Maenhaut's position in his organization has been changed, which implies that he is no longer engaged in aircraft fatigue. On behalf of ICAF Mr. Meurrens will discuss with Mr. Maenhaut which arrangements have to be made to have an official Belgian National Delegate.

4. Approval of the General Secretary's review 1985-1987

The review was approved without any modification.

5. Minutes and Proceedings of the 20th ICAF meeting

Minutes: Manuscripts of the National Reviews were available except for the Netherlands, U.K., U.S.A., Italy and Switzerland. They will be handed in still during the meeting or shortly afterwards in view of some minor corrections, to be made. Printing can occur soon.

The following numbers of the Minutes will be distributed (same as before)

Netherlands	15	West Germany	45	Canada	15
U.K.	30	France	20	Israel	6
Sweden	15	Italy	15	Japan	30
Belgium	6	Australia	25		
Switzerland	6	U.S.A.	50		

The Minutes of the Conference included a sentence on the cover reading: "Restricted: This document is for the personal use of the recipient and must not be used as a reference". This can give problems for libraries. It was agreed to replace this sentence by: "This document can not be cited as a reference". Authors, who want to refer to information contained in The Minutes should address the author of the review to solve the problem.

Symposium: The Proceedings will again be printed as a book. Editing will be done by Mr. Simpson. He proposed that the layout of the cover of the book should clearly be recognized as an ICAF symposium book, which met with general agreement.

Manuscripts of almost all papers were available, except for the manuscript of Van Veggel and Robin Whitehead. The first one will be available within a few weeks. The second one is not yet written. The paper of Mr. Whitehead mainly consists of a large number of figures and he will write explanatory comments on the data in the figures. Although this implies a somewhat unusual presentation Mr. Simpson considered it to be most worthwhile to have the paper in this format in the book, and his proposal was accepted.

Presentations made by Dr. J.W. Lincoln and Mr. J. Thompson during the Colloquium will be included in the Proceedings.

The book will again be printed by EMAS and it is expected that it will be available on public sale about half a year after the meeting.

6. Future ICAF Meeting

6.1 Recommendations following from the present meeting.

The General Secretary pointed out that:

- The time schedule for the sessions and lectures turned out to be excellent. Times of 40 minutes (in some cases 30 min.) for lectures (including the discussion) worked out very well.
- Discussions were usually as good as the papers.
- The National Reviews were well prepared and are most valuable documents.
- Some participants had complained that a few reviews and papers were presented too fast. The General Secretary said that detailed descriptions should be avoided in the reviews and concentrating on less subjects might be considered. Mr. de Jonge pointed out that the quality of slides and overhead sheets did not satisfy generally accepted rules. He proposed that guide lines should be given to authors.
- The quality of some papers at the Symposium was marginal. Mr. Simpson pointed out that the quality cannot always be judged from a summary. It was agreed that more extensive summaries should be

asked in the future, and the National Delegates should give advice to the delegate of the host country, which can help him in selecting the most appropriate papers. Mr. de Jonge emphasized that selection should be based on the potential quality of the paper, rather than on having at least one paper of each country.

6.2 Schedule for future meetings.

Prof. Berkovits confirmed that Israel will host the 1989 meeting to be held in Jerusalem, 18-23 June. Preliminary leaflets were available at the Symposium.

Prof. Kobayashi confirmed that the 1991 meeting will be organized in Japan.

Because the meetings in 1987, 1989 and 1991 are, or will be outside Europe, it was suggested that the meeting in 1993 should be in Europe. Dr. Blom said that Sweden will be happy to host the 1993 meeting. Dr. Jost pointed out that the 1993 meeting might also be in Australia but he agreed upon the above argumentation.

6.3 Topics for the 1989 meeting.

Several suggestions were mentioned:

- Handling of damage tolerance requirements
- Philosophies on full-scale fatigue testing
- Designing against fatigue
- Fatigue predictions in the aircraft industry
- Composite aircraft structures. Experience in service.
- Fatigue of helicopters
- Fatigue at high temperatures.

Prof. Buxbaum warned for the risk of highly different topics, which would address different categories of people. However, it was also said that different topics might help the National Delegates to collect papers in his country. Furthermore, after collecting as much papers as possible the topics could be selected. Dr. Blom recommended keynote papers to introduce each topic.

The General Secretary indicated that final decisions on topics and paper selections are in the hands of the host country. The delegates expressed their willingness to assist Professor Berkovits if he wanted their advice.

6.4 Plantema Memorial Lecture.

Professor Berkovits said that a discussion in Israel on this question indicated a preference for having a PML on the state of the art of the application of composite materials in aircraft structures. The delegates thought that this idea might well be acceptable. As a potential speaker Mr. Whitehead was mentioned. The General Secretary said it had been usual so far to ask a qualified speaker who had already some "ties" with ICAF but he thought that the above approach might be equally acceptable.

Some names were suggested. Prof. Buxbaum mentioned J.B. de Jonge and Mr. Bader mentioned Mr. R. Whitehead and Dr. J. Lincoln.

6.5 Advertising the ICAF Symposium.

The General Secretary said that a decreasing number of participants might be a matter of concern. The number was about 200 in the past and about 140 in Toronto with more participants from Europe than from America (U.S.A. + Canada), see Appendix A. Some possibilities for drawing interest to the Symposium were mentioned (advertising in Journals, asking assistance from the ASTM committees E9 and E24). Prof. Berkovits will trigger National Delegates when necessary.

6.6 Internationalizing the ICAF Symposium.

The issue discussed was the presentation of papers by authors from non-ICAF countries. It was agreed that this possibility should not be "advertized", but if a potentially good paper from a non-ICAF country would be submitted by a National Delegate the host country of the Symposium may select it for presentation.

7. Distribution of ICAF documents

The General Secretary presented comments on the table attached (Appendix B). He mentioned the large number of reports circulated by Mr. Bader, the relatively large number of some countries which traditionally contributed many reports, and the small number of reports of a few countries. Dr. Edwards was surprised to see the low number for the U.K. and he will check if circulation might have been overlooked.

It was generally agreed that the ICAF document circulation was most worthwhile and should be continued.

8. ICAF fund.

The General Secretary mentioned that the bank account in the last two years increased to fl 8951.- (Dutch florins) (about 6 % rent).

9. ICAF policy in the future

This topic was well discussed under item 6.

10. Other Business

Dr. Jost explained the renewed interest of New Zealand for ICAF documents. He asked the Delegates whether in the future 3 documents should be sent to Australia as it was done in the past. This was accepted by all delegates.

Note: Distribution centres should be instructed to send 3 copies of ICAF documents to Dr. Jost.

11. Closure.

Before closing the business meeting the General Secretary on behalf of the ICAF expressed his gratitude to Dr. Edwards for his contributions to ICAF during about 20 years.

The meeting was closed at 21.00 hrs.

APPENDIX A

Number of participants, ICAF meeting, Ottawa '87

<u>ICAF countries</u>	Numbers
Australia	2
Belgium	5
Canada	38
France	7
Germany (West)	10
Israel	6
Italy	10
Japan	9
Netherlands	7
Sweden	5
Switzerland	4
U.K.	17
U.S.A.	17
 <u>Non-ICAF countries</u>	
Brazil	1
Indonesia	3

Total numbers of participants: 141
All numbers derived from the list of participants
handed out during the Symposium.

APPENDIX B

Survey of numbers of ICAF documents circulated in the period May 1985 - May 1987
(documents Nos. 1483 to 1597)

Country	Number of documents circulated			Total
	Reports	Reprints	Books	
Netherland	14			14
U.K.	1			1
Sweden	14			14
Belgium				-
Switzerland	2			2
W.-Germany	2	14	1	17
France				-
Italy			2 (*)	2
Australia	9	1		10
U.S.A.	27		1	28
Canada	6			6
Israel	4	4		8
Japan	1	10		11
Total	80	29	4	113
Period '83-'85	85	74	4	163

(*) Proceedings and Minutes of the Pisa ICAF meeting.

