

FOREWORD

This publication is a record of the proceedings of the Second International Ferro-Alloys Congress, INFACON 80, which was held in Lausanne, Switzerland, from the 13th to the 16th October, 1980.

The Congress was informally opened on 12th October by a Welcome Buffet in the Hôtel Beau-Rivage. The technical sessions started on 13th October in Palais de Beaulieu, preceded by the Opening Address given by Mr. R. Björklund, President of IPFEO and of the Organizing Committee.

In all, 18 technical papers were presented. Four general lectures introduced each morning session.

On Thursday morning, 16th October, before the Closing Address, an International Panel expressed their views on two chosen topics and answered questions raised by delegates.

Apart from the 100 accompanying ladies, four hundred participants from 28 countries attended the Congress, which proves the interest of such an international convention.

During the Congress, accompanying ladies visited the surrounding region : Romainmôtier on 13th October, and Gruyères on 14th October.

The official banquet took place in the Hôtel Royal in Evian, France, on 15th October.

After the Congress, 102 delegates left on 2-3 day post-congress tours, to :

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| - Belgium/France | Visit of SADACEM in Gent (FeMn and FeMo)
Visit of Compagnie Universelle d'Acétylène
et d'Electro-Métallurgie in Dunkerque
(FeSi, recovery of energy) |
| - France | Visit of Bozel Electrométallurgie in Angleurfort
(FeSi and silicon alloys)
Visit of Compagnie Universelle d'Acétylène
et d'Electro-Métallurgie in Laudun (FeSi) |
| - Finland | Visit of Outokumpu Oy Stainless Steel Division
in Tornio (FeCr and stainless steel plants)
and chromium mine and concentrators in Kemi |

- Norway

Visit of Elkem a/s Fiskaa plant in Vaagsbygd
(Si-metal, electrode paste, operating furnaces :
(a) 12 MW, semi-closed, Si-metal; (b) 9 MW,
open-hood, split-body, Si-metal; (c) 9 MW,
open-hood, Si-Metal)

while a few delegates preferred to go on a scenic excursion to Berne and Lucerne, on 17th October.

During the Congress delegates had the opportunity of visiting an exhibition of technical equipment held on the same floor.

To conclude, the organizers were particularly pleased with the high attendance at the session, the number of interesting questions raised and the fact that no papers were left lying around the Congress Hall. That speaks for itself !

Section I.

PRODUCTION

Chairman: Mr. R. Nordheim, Elkem a/s

S p e a k e r s

- Mr. H. Bromet
- Mr. E. Madero B.

Section II.

FURNACE CONTROL

Chairman: Mr. M. Cavigli
Sociedad Española de Carburos Metálicos

Speakers

- Mr. G. Sommer
- Dr. A.B. Stewart
- Dr. J.H. Downing

Section III.

RAW MATERIALS AND END USE OF FERRO-ALLOYS

Chairman: Mr. H. Chenevier, SOFREM

S p e a k e r s

Mr. D.A.A. Reeves

Dr. C. Fornaini

Dr. C.W.P. Finn

Section IV.

PRODUCTION

Chairman: Dr. H. Knahl, SKW Trostberg A.G.

S p e a k e r s

Dr. D. Slatter

Mr. F.J. Potgieter

Mr. T. Izawa

Section V.

WORK ENVIRONMENT

Chairman: Mr. F. V. McMillen
Union Carbide Europe S.A.

S p e a k e r s

- Dr. R. Rylander M.D.
- Mr. W. L. Goss
- Mr. F. C. Schmitt
- Mr. S. Strangert

Section VI.

RECENT TRENDS IN ELECTRIC FURNACE SMELTING

Chairman: Dr. P. Kallfelz, Monteforno

S p e a k e r s

- Mr. A. G. Arnesen
- Mr. M. Sciarone
- Mr. S. Yoneka