

CERN STUDY GROUP ON FUSION

Third Meeting

Geneva - 5 and 6 March, 1959

MINUTES

<u>Chairman:</u>	J.B. Adams		
<u>Attendance:</u>	P. Baudoux	Université Libre de Bruxelles	Belgium
	Ch. Lafleur	" " " "	"
	T. Hesselberg Jensen	Risø Research Center	Denmark
	P. Grivet	Délégation Scientifique de la Présidence du Conseil, Paris	France
	M. Bernard	I.N.S.T.N., Saclay	"
	P. Hubert	C.E.N.F.A.R., Fontenay-aux-Roses	"
	S.D. Winter	C.E.A., Saclay	"
	J. Crussard	" "	"
	C. Mercier	" "	"
	J. Taillet	" "	"
	L. Biermann	M.P.I., Munich	German Fed. Rep.
	G. von Gierke	" "	" " "
	W. Fucks	Technical University, Aachen	" " "
	H.L. Jordan	" " "	" " "
	B. Brunelli	C.N.R.N., Rome	Italy
	E. Persico	" "	"
	J. Kistemaker	F.O.M., Amsterdam	Netherlands
	H.C. Brinkman	F.O.M.-T.N.O.	"
	H. Brinkman	Natuurk. Lab., Groningen	"
	C.M. Braams	F.O.M., Jutphaas	"
	K. Johnsen	Technical University, Trondheim	Norway
	A. Dattner	Royal Inst. of Techn., Stockholm	Sweden
	S. Lundquist	State Power Board, "	"
	N.R. Nilsson	Institute of Physics, Uppsala	"
	H.E. Knoepfel	E.T.H., Zürich	Switzerland

Attendance (cont'd):

S.C. Curran	A.W.R.E., Aldermaston	United Kingdom
R.S. Pease	A.E.R.E., Harwell	" "
J. Guéron	EURATOM	
D. Palumbo	"	
P.J. Frank	O.E.E.C.	
L. Kowarski	"	
A.S. Bishop	U.S. A.E.C.	
E.J. Lofgren	U.C.R.L., Berkeley, U.S.A.	
S. Colgate	U.C.R.L., Livermore, U.S.A.	
J.B. Adams	CERN	
C.J. Bakker	"	
J.G. Linhart	"	
G.L. Munday	"	
E. Regenstreif	"	
A. Schoch	"	

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1. REPORT OF THE CERN STUDY GROUP ON FUSION PROBLEMS

The Chairman's paper CERN/FSG/7 was discussed and various suggestions made. A revised draft incorporating these suggestions will be written up by the Chairman and circulated to all members. Corrected figures concerning the average number of graduate staff and expenditure for staff and apparatus during the calendar years 1958 and 1959 should be sent to the Chairman as soon as possible by the various groups. The final report will be presented to the CERN Council Meeting in May.

2. RECOMMENDATIONS OF THE STUDY GROUP

In order to carry out the recommendations contained in the Report of the CERN Study Group the need for some central and permanent organization having access to governments was felt. In order of preference this organization

could either be CERN, or a European Society for C.T.R. problems to be created, or an existing organization like the European Atomic Energy Society. The function of such an organization would be to sponsor the work of the Study Group as part of its general aims to promote the collaboration of national laboratories in fusion work.

It was agreed to submit these suggestions to the CERN Council in the Report of the Study Group.

3. TECHNICAL SESSIONS

These will be summarized and circulated in a separate paper.

4. MISCELLANEOUS

Prof. Persico reported that the Italian Physics Summer School will be held at Varenna from September 2 to September 16. Prof. Alfvén has agreed to be Director of the School for this period.

Prof. Grivet pointed out that the French Physics Summer School at Les Houches will mainly be devoted to plasma physics this year.

Dr. Bishop reported that the U.S. A.E.C. would like to encourage members of the Study Group to visit the U.S. laboratories engaged in fusion work. These trips would be considerably facilitated by previous contact with Dr. Bishop.

It was observed that there was some duplication in the translation of Russian reports. A central organization could avoid this. In the meanwhile requests can be sent to Dr. Frank as in the past.

A.E.C. reports on fusion work are available in the CERN Library.

5. NEXT MEETING

It was generally agreed that although the activities of the present CERN Study Group as such have come to an end, it would be most desirable for the members of the Group to meet again at regular intervals, and if possible at the fusion laboratories such as Harwell, Munich, Saclay etc., to discuss technical matters and progress of work.

For the next meeting therefore it was agreed that the Harwell representative should approach A.E.R.E. to see if this meeting could be held at Harwell during the second half of June. The Chairman will also write to the Director of A.E.R.E. to this effect.

E.R.