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DRAFT MINUTES OF THE OPEN MEETING OF
THE SUB-COMMITTEE ON AUTOMATION
HELD AT CERN ON THE 5th OCT 1965

PRESENT

A. Bernheim	Paris	M. van Hollebeke	Paris
S. Bosgra	Amsterdam	J.P. Lagnaux	Brussels
V.A. Bull	Westfield College	R. Llosa	CERN
	London	W.O. Lock	CERN
C. Cantù	Milan	E. Lorenz	CERN
E. Christophel	Strasbourg	M. Morand	Paris
D.H. Davis	University College	M.A. Roberts	CERN
	London	V. Scheuing	Munich
J.C. Fayolle	Paris	P. Volmer	Strasbourg
K. Gottstein	Munich	D. Wiskott	CERN
A.J. Herz	CERN		

1. M.A. Roberts opened the meeting and asked for nominations for chairman. (for this meeting only). Dr Wiskott was elected.

M.A. Roberts was elected secretary.

2. The minutes of the last Open Meeting of July 29th were approved.
3. Mr P. Volmer reported on the visit to the Leitz factory by himself and Mr Roberts. He pointed out that the best combination of apparatus, available at Leitz to make a very solid microscope suitable for digitization, seemed to be the Intravital table with the Metalux N.D. stand. This combination has already been bought by Dr Gottstein of Munich, and by Prof. Deutschmann of Aachen. However, this combination would still require certain modifications and is rather expensive.
4. Mr Volmer then continued with a report on the track-following microscope developed by U.C.L. which is now in Strasbourg for further development and completion. (further details in Report to the Emulsion Experiments Committee).
5. Mr Bosgra gave a brief report on the work done in Amsterdam on the digitization of filar eyepieces on a Koristka microscope, for double-star measurements. (a paper on this work is now available).
6. Dr Cantù of Koristka (Milan) described the digitization with rotary encoders of the three co-ordinates of a Leitz Ortholux microscope fitted with a Stiller stage, giving a least step of 1 μ . The Koristka factory are prepared to carry out this modification for approx. 1 260 000 Lire, for one off, or for three or more approx. 1 150 000 Lire. Dr Cantù also described the new Koristka R. 5. microscope, which is digitized on the X Y and Z co-ordinates plus one coordinate on the filar eyepiece. The cost of this apparatus complete is the order of 11 000 000 Lire.

M.A. Roberts reported on the CERN digitized microscope which, he said, had been working for approximately three months without fault or breakdown. However, on the basis of the experience with the proto-type, certain mechanical modifications seemed desirable for future models.

Dr A.J. Herz pointed out the advantages of the secondary information it is possible to obtain with a digitized microscope, which would normally not be available.

Dr Gottstein mentioned the possibility of adding some form of simple computer to the microscope.

8. Dr Wiskott then introduced the draft report to the Emulsion Experiments Committee. He read the essential parts of the report, and suggested that it should be eventually distributed to all members of the Amsterdam Conference and any other interested parties.

Dr Herz asked if the Sub-Committee had made any proposals for its own future.

The answer was No, but the Sub-Committee had asked in its report for further instructions from the Emulsion Experiments Committee.

Dr Gottstein asked if details of the various possibilities of digitization with prices were mentioned in the report.

This was replied to in the affirmative.

Then followed a general discussion on the future of emulsion physics. There being no other business Dr Wiskott closed the meeting, thanking all the people present for their attendance.

M.A. Roberts.