»AFTER – SESSION»

May 22nd, 1974, 9.30 a.m. to 12.00 noon.

PARTICIPANTS:		Kay Mather Bryant Mather	(KM)	
			(BM)	
		Sidney Diamond	(SD)	
		F.W. Locher	(FWL)	
		Alice Moore	(AM)	10 1
		John Figg	(JF)	
		G. Gudmundsson	(GG)	
		Ervin Poulsen	(EP)	
		Niels Thaulow	(NT)	(secretary)
		G.M. Idorn	(GMI)	(chairman)

MINUTES OF MEETING

The »After-Session» meeting was held as a small follow-up meeting to the alkali-silica reaction seminar for an informal exchange of information and views on the wider aspects and perspectives of the renewed international interest in alkali-silica reactions. It was not intended that decisions should be taken at the meeting (»no commitments»).

GG invited the participants to an alkali-silica reaction seminar in Iceland in August 1975.

The participants discussed - without reaching a decision - whether it was best to aim at an informal seminar or a formal colloquium with prepared papers. It was agreed that qualified scientists from Australia and Japan, amongst others, should participate, if actively engaged in alkali-silica reaction work, in addition to the countries represented this time.

The participants agreed that Hanne Krogh ought to continue her gel investigation, because the water absorption and viscosity of alkali-silica gels may have a decisive effect on the course of possible expansion. SD doubted whether synthetic gels were relevant, because they are formed at a very low pH.

The participants showed considerable interest in a continuation of EP's investigations. It was thought that the laboratory work should be supplemented by investigations of recent prestressed concrete structures because a compression field in the concrete can apparently change the course of the expansion. SD stressed the need for a general investigation of sound structures because the reaction seems to be universal (in locations with reactive aggregate), whereas expansion and cracking are rare. Yet another accentuation of the importance of differentiating between the reaction as such and possible subsequent deleterious expansion.

GMI offered to receive a guest scientist at the Concrete Research Laboratory to continue SD's studies of the alkali-silica reaction problems. NT suggested that the subject of such further research be quantitative microanalyses (SEMEX) of gel because our knowledge of the composition of alkali-silica gel was very sporadic.

CEMBUREAU has appointed an »editorial committee» consisting of Gerd Wischers (VDZ), Roy Rowe (C&CA) and GMI, to produce an up-to-date brochure for engineers on alkali-silica reaction. JF is to write it.

Everyone was willing to contribute information for the work, which should start with the preparation of a bibliography. GMI proposed that JF become a member of the Highway Research Board (now: Transportation Research Board (TRB)), Committee A2E02: »Performance of Concrete-Chemical Aspects», of which KM, SD and NT are already members.

SD anticipates a wave of university interest in the U.S. within the field of alkali-silica reaction, resulting in many applications for grants. It was discussed whether an attempt should be made to coordinate such work. BM thought that the idea should be cultivated that good research projects should receive financial support.

BM advised that TRB had alkali-silica reaction as No. 3 on its list of research priorities and that \$ 300.000 were available in the coming year.

TRB will be holding a symposium on alkali-silica reaction in January 1975 in the U.S. SD, who is the originator of the symposium, promised to keep the participants at this meeting advised.