Dr. M. Jones  
Physics Dept.  
Rutgers University  
New Brunswick  
New Jersey, U.S.A.

Dear Michael

I write in consequence of our telephone conversation yesterday.

First, we would like to change the abstract which you have presented to the Baryon Conference. This is given on the enclosed sheet. Please let us know right away whether you find it acceptable or not. Secondly, on the same sheet, we give a rough outline of the topics which Horgan may cover in his review paper. He may not necessarily cover all of these topics, and I think that it would not disturb him if your paper were also given at the Meeting. He would simply rearrange his topics to fill the time available. It seems that there is some spare time on the programme, and I shall take up with the Conference Committee the question of whether you could speak for some 20 minutes on our work. We are not unhappy about your draft copy of the Conference paper, but we may have some changes to make before the final version is typed. We feel that there is some divergence, or difference of viewpoint, between us, and we feel that it would be very desirable if we could get together at some point before finalising this work. We wonder whether you would be able to come to Oxford for a few days before the Baryon Conference, for some time over the weekend of July 3. We could easily cover your subsistence costs while you are here in Oxford, and we could perhaps work through the weekend, running programmes if necessary, in order to come to a common point of view. Is there any possibility that you could manage this? I think it would help a lot, in the long run. These long-distance collaborations are always difficult, in that the reaction time can never be less than two weeks, even if the reaction is very quick, and this means that it is difficult to keep the two ends of a collaboration on a common track.

We have also sent a copy of a preprint by Horgan, which is concerned with the problem of a unique identification of the wavefunctions for baryonic states. This is not a problem of much practical importance at the moment. There do exist (70, 1–) states for N=3, and multiple states start to become important somewhere above that. It is a rather theoretical question, a matter of principle, but quite an interesting one.

Yours sincerely

R. H. Dalitz