

Southampton

17th May 1962

Dear Tom,

Here at last is a root of
Dicentra - probably eximia, but I'm
not sure. I hope that it arrives safely.

You remember that I gave a talk
on my paper at the Colloquium. A bright
young ~~research student~~ ^{fellows (Kingman)} wrote to me later
to ask if the metric

$$r(p, q) = -\log \int_0^{\infty} F_{pq}(t) e^{-t} dt$$

preserves betweenness and so does all that
I want it to do — it does. I wonder
why it has not been spotted in the

15 years in which people have been writing about Wald spaces? Now I am doing some of the topological side of the work and considering weakest structures on which betweenness can be defined. You only need a mapping of $E \times E$ to a partially-ordered semi-group G . But to do anything with it you need a lot of restrictions on G . My guess is that something has been done on this before. I shall write to Buseman + Blumenthal sometime to ask them, for I can't find any trace of it in the literature myself.

Best wishes

Frank.