

Southampton  
23rd February 1962

Dear Tom,

I approve of your cure for nervous tension: I must take it up myself. Will you send me the first bottle?

I enclose one of the reasons for my long silence. I should be grateful if you would run your eye over it for me. I shall not be able to look at the problem of replacing compactness by completeness until after the colloquium, so I think it best to send this off as it stands. It is not very satisfactory, for I have not been able to produce any examples of spaces which show that my conditions on the family of distribution functions are necessary. Still - there it is. I want to go on to do the 'complete<sup>2</sup> convex space' problem. Also, I have some more interesting results on convexity in more general uniform spaces which I shall be able to write up. However, the algebraic topology is as far away as ever.

I was most impressed with your paper in the ~~Gazette~~ Gazette. Do you use much of it for your undergraduate work? One thing which I should like to see is your method of going from the relation  $\tan(a+b) = \frac{\tan a + \tan b}{1 - \tan a \tan b}$  for  $a, b$  and  $a+b$  between  $-\frac{\pi}{2}$  and  $\frac{\pi}{2}$  to the same relation for all values of  $a$  and  $b$ . I have not found an elegant way to do it. Maybe I'm creating a problem which does not exist.



Have you yet found another main line of research, or are you finding yourself coping all the time with odd jobs.

The colloquium is taking a certain amount of time with me. It would take less and be less worry if Raoul Bott would write to me! So far we have 130 registered for residence in Hall, and 10 non resident. Only one wanted to bring his wife and two children. The mathematical assoc. and Prof. Thwaiter scheme are also taking up some time. I am not impressed by the atmosphere in the association. This local branch is wonderfully complacent. I have had three years now of organising pleasant lectures for self satisfied teachers and feel that I would rather spend the time on more positive projects to improve the standard of teaching mathematics. I have already announced that I am resigning as secretary, and now the committee is in a rare flap. Thwaiter + co interviewed a man a couple of days ago as a possible lecture to cooperate with the groups of teachers who are reconstructing their school <sup>syllabuses</sup> texts and writing texts. He was not appointed, and I gather that the jobs are now going to be advertised. There is enough money from industry for a lecturer + a reader, though I don't know whether they will advertise for a reader. It is thought likely that the readership will go to someone who will go on to a professorship in a few years time. Goodness knows if we shall get anyone of the right kind, good both as a mathematician and as a coordinator of the school projects.



Just to add to my work at the present time I am taking over as external examiner to the local teachers training college. The first set of papers from Portsmouth (33 questions in all) contained six serious errors as well as a number of unfortunate questions. I hope the rest are not so bad. I can't just throw them back, unfortunately, because they have to go into the printer early next week. My recent visits to teachers training colleges have been most revealing. The approach is so appalling that I don't know whether it is worth while trying to do much about it.

Are you going to the Colloquium in Stockholm this summer? I had hoped to, but I had to choose between another trip to Greece and Stockholm. Greece won. We don't know yet what car we shall be going in. I got one a couple of weeks ago - an Austin Westminster 1955. After a run to Oxford and back I found some nags, and the car is at present at the garage having these seen to. I hope in the end to have a reliable car. It is heavy on petrol (27½ to the gallon), but since I only paid £250 for it, I can afford a heavy petrol bill.

Thanks for your news of the team. I saw John Wainwright last weekend, and he was as surprised as myself at the sudden matrimonial split. I'm no nearer!

I'll see you sometime over Easter in Lpool, as well as down here. Do you want to live in Chamberlayne Ha or beside me in Glen Eyre? Chamberlayne is probably more comfortable.

Yours