

Date: Thu, 10 Jun 1999 15:42:52 -0500 (CDT)
From: Tom Chase <chase@deathstar.ATMOS.ColoState.EDU>
To: dallas@cobra.ATMOS.ColoState.EDU, kittel@cgd.ucar.edu,
nemani@ntsg.umt.edu, pielke@hercules.ATMOS.ColoState.EDU,
swr@ntsg.umt.edu
Subject: Fwd: Your letter to SCIENCE

Dear Dr. Chase

Thank you for giving us the opportunity to consider your comment on a paper by Wigley et al.

I regret to say that we have decided not to publish it. We receive many more comments than we can accommodate and must reject most of those submitted.

The author's reply follows

Yours sincerely,

Christine Gilbert
Letters Editor

Forward Header
Subject: Science-Comment by Chase
Author: Tom Wigley <wigley@ucar.edu> at Internet

The issue raised is that some of what is seen in the observed SPATIAL PATTERNS of temperature change that has been attributed by some authors to CO2 influences, might be due to landcover changes. Their comment therefore has some bearing on pattern-based detection studies like those (e.g.) of Santer et al. (1995), Hegerl et al. (1996), Allen and Tett (1999) etc. But, even here, the connection would be difficult to make, since the CO2 signal in these studies is difficult to discern (see also, Wigley et al. (1998)). Hence, distinguishing between CO2 and landcover-change signals would be even more difficult, given that there appears to be some similarity between the two response patterns.

] *

Yours sincerely,

Tom M.L. Wigley

References: Allen and Tett (1999) Climate Dynamics (in press)
Hegerl et al. (1996) J. Climate 9, 2281-2306.
Santer et al. (1995) Climate Dynamics 12, 77-100.
Wigley et al. (1998) Climate Dynamics 14, 781-790

Tom M.L. Wigley
Senior Scientist Tel: 303-497-2690
National Center for Fax: 303-497-2699
Atmospheric Research E-mail: wigley@ucar.edu