From: Richard Mandelbaum
To: NBRArfc2016

Subject: Comments to Shape National Broadband Research Agenda

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I was very involved in the creation of NSFNet and subsequently the Internet in 1985-2000.

I served on the original NSF NPAG on Networking in 1986 and the NPAC in 1987-1989

I was also a cofounder of NYSERNet in 1985 and its Chairman from 1985-1999.

The creation of the Internet was one of the most cost effective of all US government and especially NSF investments in Technology since WW2. However a careful study of how a very modest investment in Computer Networking led to the current INTERNET has never been undertaken.

Although some have maintained that it was fortuitous or an Invention whose time has come, I strongly disagree.

I think a NSF or NTIA sponsored study of exactly what happened in the years 1986-1994 and what can be learned that would make future government investments in networking more effective and scalable is surely an idea whose time has come. I am not talking about a historical record but more of a combined policy/technology analysis. Most of the pioneers of the 1985-200 period are still alive, but their ranks are diminishing daily. In a decade many of them will no longer be interviewable. I strongly urge that action be taken as soon as possible to help the US government understand what went right and how it can be duplicated in the future.

Richard Mandelbaum

Co-Founder and Chairman of the Board NYSERNet (1985-1999) President, Federation of American Research Networks (1988-1991) CEO AppliedTheory 1986-2000