

STANFORD UNIVERSITY
STANFORD, CALIFORNIA 94305

DEPARTMENT OF MUSIC
CCRMA

Dr. Robert Kahn
DARPA
1400 Wilson Blvd.
Arlington, VA 22209

February 28, 1985

Dear Dr. Kahn:

On February 1 of this year I called you to discuss the possibility of getting DARPA support for a generally useful extension of some signal processing work that has been done here at CCRMA.

You suggested that I send you a short account telling what would be in the system produced, what would it do and how would it differ from what is or will be commercially available.

You said that you would then circulate such material to various people in DARPA to see who in the community could use such signal processing resources.

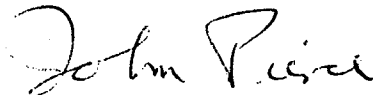
Part of the material I am sending herewith, titled "A new Approach to making a General-Purpose User-Friendly Signal Processing Environment" addresses the questions you raised. Because the proper hardware and language resources are vital to what we wish to do, I have added a section titled "What it would run on."

For your information, I also enclose a brief statement of the scope or size of the proposed work, and also some information on Dr. Julius O. Smith, who has been associated with CCRMA (chiefly part-time) since 1977, who proposed what I outline, and who has laid the groundwork for such work, and some material on CCRMA itself. Dr. Smith has had considerable industrial experience. He could devote a substantial part of his time to what we propose, and he is anxious to see it carried through successfully for his own use as well as for the use of others.

I view what I communicate to you with great enthusiasm and confidence.

With all best wishes,

Sincerely yours,



John R. Pierce

JRP/hk
Enclosures