doctoral thesis involved computer simulations of problems in lattice field theory using large parallel computers of the type to be used in the proposed research. He has had 7 years of experience in using parallel computers for scientific computation, and in that time has worked with several different parallel computers, languages and operating systems. He has published papers on results in computational physics as well as parallel algorithms. He has worked for me for the past 3 years, first in the Caltech Concurrent Computation Group, and then for the past year in the Physics Department at Syracuse University, as part of the SCCS project.

I am enclosing the following documents attesting to Dr. Coddington's distinguished merit and ability:

(1) Dr. Coddington's Ph.D. diploma from Southampton University.

(2) Letters of recommendation from Profs. Jeffrey Mandula and John Townsend.

(3) Dr. Coddington's Curriculum Vitae, resume of research experience, and publication list.

Thank you for your assistance in preparing this H-1 petition. Please do not hesitate to contact me if additional information is required.

Sincerely yours,

Prof. Geoffrey Fox,
Director, North-East Parallel Architecture Center.

Prof. Geoffrey Fox,
North-East Parallel
Architecture Center,
Syracuse University,
Syracuse, NY 13244.

Tel: (315) 443-1723

7/1/91

Dear Ms. Izdior,

I am hereby requesting that an H-1 petition be submitted on behalf of Dr. Paul D. Coddington for the temporary position of Research Associate in our Department of Physics for the period August 21, 1991 to August 20, 1992. A detailed statement setting forth the beneficiary's proposed duties and responsibilities, as well as the educational requirements for the proposed position, with attention to how the beneficiary's education and research experience relates to the position, is outlined below.

1) **Duties and Responsibilities:** The proposed position is for research in computational physics and parallel computing, and in particular parallel algorithms for physics problems. The position is in the Physics Department, but the recipient will be associated with the Syracuse Center for Computational Science (SCCS) and the North-East Parallel Architecture Center (NPAC).

2) **Education/Scholarly Requirements:** The above duties and responsibilities require a doctoral degree in physics, and experience in using different types of parallel computers, in particular the Connection Machine and the nCUBE and Intel Delta machines, for doing computer simulations in physics. Experience with parallel languages and parallel algorithms is also required.

3) **Dr. Coddington's Education/Scholarly Achievements in Relation to the Proposed Position:** Dr. Coddington is exceptionally well qualified for the proposed position. He holds a B.Sc. in physics and mathematics, and a Ph.D. in physics. His