

11. MAJOR COLLECTIONS IN WHICH YOUR WORK IS INCLUDED:

SEE ATTACHED SHEET

12. PUBLICATIONS IN WHICH YOUR WORK FEATURES:

SEE ATTACHED SHEET

13. DETAILS OF PROJECT FOR WHICH ASSISTANCE IS SOUGHT:

"TELECHIRIC TRANSMISSION: EVENT FOR 4 HANDS".

The idea is to transmit my EMG (muscle) signals from Tokyo, to remote-control my artificial hand, which will be attached to a person in Sydney.

This would involve bringing my hand and the necessary interface equipment to Sydney, setting things up and before returning to Japan making the necessary technical tests. Eric Gidney from City Art Institute (who assisted with my "Amplified Hands" event in Sydney last October) has agreed to collaborate and help realize the event. He has already consulted a Biomedical Engineer at Royal North Shore Hospital.

The event is technically quite feasible. This has been confirmed by Y. Yamaguchi of the Research Department of N.T.T. (Nippon Telephone and Telecommunications) who has agreed to act as technical assistant and who will make the necessary interface equipment. See attached diagram. Actually, two telephone channels would be required -one for the EMG transmission, the other for verbal feedback between the participants.

Hopefully, this will be the first of 3 telechiric transmissions in 1984. The other 2 from Tokyo to Linz, Austria (for "Ars Electronica") and from Tokyo to San Francisco (Stanford). We would try to realize the event in Australia in March-April.

There are possibilities for visual feedback. The most obvious would be a live T.V. hook-up, but that would have to be sponsored. Other more financially feasible alternatives would be slow-scan T.V. (one B&W image every 8.5 secs. or one color every 60 secs.) or a computer generated image simulating the motion of the hands

14. AMOUNT SOUGHT: Give details

SEE ATTACHED SHEET

\$ 5,000.00

15. I have read the information forwarded by the Board with this application form. I understand that should this application be successful I would be required to sign an undertaking to observe the conditions to the grant.

I certify that to the best of my knowledge the statements in this application are true and the support material represents my own work.

Stelz

Signature of applicant

7/6/1983

Date