Science Applications International Corporation
Cognitive Sciences Laboratory
Memorandum

SG1J

Date:	15 March 1993
To :	████████████
From :	Ed May
Subject:	Dolan: Replication

SG1J

SG1A

████ As you know we have had Dr. Yuri Dolan as a visitor in our laboratory. One of his claims, and we ████████████████████ was that isolated individuals' brain waves are modified by the intention of a remote agent. At this time we believe that his protocols meets western standards and, we are unable to identify any meaningful flaws.

He has been extremely cooperative with us and was willing to have us conduct a few demonstration trials at Stanford. A rough outline of the protocol follows:

(1) One subject was wired for occipital EEG and was sequestered in a standard shield room commonly in use for such measurements.

(2) During the time of 1 hour, we conducted four 10 minute trials. The first 5 minutes was a control period followed by an effort period during which Dr. Dolan attempted to mentally "arouse" the subject (i.e., decrease alpha production).

The dependent variable is the ratio of the mean of alpha power in the effort period divided by the mean of the alpha during the preceding control period. Four trials is not enough to demonstrate a significant effect, but all four trials produced ratios less than 1. Dolan was very encouraged given the rather hurried nature of the demonstration experiment.

Trial 3 exhibited the smallest ratio and I have included the power/frequency plot for your information. In this trial, it is possible to visually see the decrease of alpha.

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di0312a: Activation, Trial 3.: 0.7051

Ratio of Power = $\dfrac{\text{effort}}{\text{CTRL}}$

= 0.705

Power

Power (microvolts²)

200

150

100

50

0

α band

5 MIN effort

5 MIN CONTROL