



LAWRENCE LIVERMORE LABORATORY

April 25, 1975

Dean Kraft
Foundation for Psychic-Energetic
Research, Ltd.
2750 Homecrest Avenue
Brooklyn, NY 11235

Dear Dean,

I want to thank you for your time and effort with our experiments during your visit.

Best regards,

R. S. HAWKE
Engineering Research Division

mg



LAWRENCE LIVERMORE LABORATORY

May 5, 1975

Dean Kraft
Foundation for Psychic-Energetic
Research, Ltd.
2750 Homecrest Avenue
Brooklyn, NY 11235

Dear Dean:

Enclosed are copies of two interdepartmental letters for your files only. It is requested, for the sake of future work, that no other use be permitted.

I'm sure it's possible to optimize the experiment to increase the chances of demonstratable success and we all look forward to your next visit.

Best Regards,

Thanks for your time and effort!

R. S. HAWKE
Engineering Research Division

Ron

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Encs.

- 1) D. Moore to M. A. Van Dilla
1 May 1975
- 2) M. Van Dilla to R. Hawke
28 April 1975

Copy to:
M. A. Van Dilla, w/encs.
L. L. Cleland, w/encs.

Interdepartmental letterhead

Mail Station L- 523

Ext: 8311

BIOMEDICAL DIVISION

April 28, 1975

TO: Ron Hawke

FROM: Marvin Van Dilla

SUBJECT: Expt. #2 with Dean Kraft, 25 April 1975
(11:45 a.m. to 4:00 p.m.)

1) We simplified the first experiment we ran with M3-1 and HeLa cells. This time we had 2 Falcon flasks of M3-1 and 2 of HeLa (i.e., each in duplicate). M3-1 density was fairly high (about half confluent) whereas HeLa density was much lower. All 4 flasks were at room temperature for the duration (~ 4 hrs.) of the experiment. The experiment was done in Rm. 1231 rather than in the incubator as before.

2) Dean decided to try any effect (ungluing, rounding-up, cell movement across field, lysis) he could cause. He worked on one flask of each cell type, the other being a control across the room in a bookshelf. In this way the experimental and control flasks were exposed to similar, although not identical conditions (the flasks were handled more - at least, differently).

- 3) 11:30 a.m. - Dean and Ron arrive at Bio-Med; Marv and Dolores monitor experiment.
12:00 noon - Dean start work on 2 flasks.
12:30 p.m. - Lunch break.
about 1:00 - 1:30 p.m. - Dean and Ron back.
about 2:30 p.m. - Marv back.
2:30 - 3:30 p.m. - Marv, Dolores, Dean evaluate effects.
3:30 - 4:00 p.m. - Larry Thompson evaluate, count floaters in Coulter spectrometer.

4) Visual observation indicated no large differences between experimental and control flasks; differences, if any, were small. Marv and Dolores saw more floaters in experimental flasks; Larry saw no difference. All agreed the great majority of cells were normal looking and attached.

5) A Coulter count and spectrum on the undispersed medium (diluted 10:1) from both M3-1 flasks showed about 1.7×10^5 objects in the medium of the control flask and about twice that number in the medium of the experimental



University of California

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Ron Hawke
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flask. Assuming these objects to be single cells (some might be debris, and cell clumps count as 1 object), and estimating about 10^7 cells per flask, this means that the control flask contains 1-2% floaters and 98-99% normal, attached cells. In the experimental flask, 2-4% of the cells were floaters & 96-98% are normal, attached cells.

6) Conclusion: There may be a small difference between experimental and control flasks, the experimental flask containing slightly more floaters. I say "may be" rather than "is" because the difference is small and comparable to experimental uncertainties. Certainly Dean caused no obvious, unmistakable effect; any action was small and hard to be certain about. Thus, the 2 experiments came off well; but any psychokinetic action in the cells was hard to nail down. The experiments are easy to do and can be repeated when Dean returns to California. My view that small, marginal, 1-2% effects may be suggestive but don't prove anything; what we are looking for is a clear-cut repeatable effect.


Marvin Van Dilla

MV:sc

cc: Tony Carrano
Joe Gray
Jay Minkler
Dolores Piluso
Mortimer Mendelsohn

523

8311

1 May 1975

To: Marvin A. Van Dilla

From: Dan Moore

Subject: Experimental Design for Next Experiment with Dean Kraft:
Evaluating Small Effects.

1. Use three "control" flasks, C1, C2, and C3. Flask C1 should be held and manipulated by an unbiased observer who tries to imitate Kraft's motions. Flasks C2 and C3 should be left on a shelf as in the previous experiment.
2. Evaluations (i.e., Coulter counts and visual examination by experts) should be made before as well as after the Dean's PK effort. Evaluation should be in terms of increased number of floating objects. The significance of any increase can be measured against normal variability determined from the control flasks.
3. The experts (Larry Thompson, and perhaps June Carver) evaluating the results should not be able to tell which flask was handled by Kraft. That is, the evaluation should be "blind".

Dan Moore
Dan H. Moore II

DHM:jmg

cc: Ron Hawke

*★ This experiment was replicated at
Science Unlimited Research Foundation
in San Antonio, Texas in July 1977.
(report enclosed)*

University of California

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