

5. Group experiments on lying; e.g., poker and bridge, an individual lying alone or in the service of a group; perhaps the autokinetic effect experiment can be adapted to such use.

6. Experiments on "training" the autonomic response; either to respond or to inhibit at will, in role-playing situations, with and without a feedback of polygraph data to the subject.

7. Experiments on the effect of repetition on autonomic response.

8. Experiments on the possible value of hypnosis and drugs to reduce the anxiety of subjects.

The following brief summary was made at the end of the meeting:

1. Increase the number of autonomic responses measured in studies of guilty knowledge and lie detection, coupled with computer data processing, as appropriate.

2. Study the effect of situational variables and of information feedback on autonomic responses.

3. Extend multiple recordings in police work to include skin temperature, plethysmograph and reliable GSR and blood pressure measures.

4. Examine the effect of drugs and hypnosis on autonomic responses.

5. Examine the extent to which differences exist between subjects, with persistent stereotyping of responses for individuals.

6. Field trials are most desirable, including measures of the lie detection ability of professional practitioners.

LIST OF ATTENDEES

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Dr. Lewis C. Bohn, Lockheed Electric Co., Systems Research Center, 78 Ocean Way, Santa Monica, Calif.

Dr. Chester Darrow, Institute for Juvenile Research, University of Illinois, Chicago, Ill.

Dr. Ralph Gerard, Mental Health Research Institute, University of Michigan, Ann Arbor, Mich.

Dr. John I. Lacey, Department of Psychophysiology-Neurophysiology, Fels Research Institute, Yellow Springs, Ohio.

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BY DR. JESSE ORLANSKY, JULY 31, 1962

Institute for Defense Analyses, Research and Engineering Support Division (IDA)

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(Portions of this report have been deleted, for purposes of national defense, by the Director of Defense Research and Engineering, Department of Defense. Asterisks (three stars) indicate that less than a paragraph has been deleted and a line of seven stars indicates deletion of a paragraph or more.)

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