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R 051745Z JUN 78  
FM HQ FTD WPAFB OH/TQTR  
TO RULNAPG/DIRUSAMSAAPG MD/OKXSY--DD  
INFO RUKLDAR/DARCOM ALEX VA/ODR  
RUEADWD/WASH DC/ACSI  
RUEAHQA/HQ USAF WASH DC/INA  
RUEOAWA/HQ AFSC ANDREWS AFB MD/IN  
RUFKJCS/DIA WASH DC/DT  
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SECTION 1 OF 2

SUBJECT: SPECIAL ANALYSIS STUDIES

REFERENCE: DIRUSAMSAAPG MSG DTVJ11200Z MAY 78

1. (U) PASS TO COL DEPROSPERO (AMSAAPG); MR. N. KELLY (ODROIAR COM); LTC BRUNSON (ACSI); LTC DUNLAP (USAF/INAKA); DR. VORONA (DIA/DT).

2. (C) THIS MESSAGE ADDRESSES ISSUES REQUESTED IN THE REFERENCED MESSAGE RELATING TO VALIDATION PROCEDURES FOR SPECIFIC EXPERIMENTS INVOLVING PARAPHYSICS TOPICS. A FEW EXAMPLES ARE DISCUSSED, AND RECOMMENDATIONS FOR ADDITIONAL INVESTIGATIONS ARE INCLUDED. THESE ISSUES RELATE TO EXPERIMENTS AND INVESTIGATIONS RESULTING FROM FTD'S CONTRACTUAL EFFORT WITH THE STANFORD RESEARCH INSTITUTE (SRI) ON POSSIBLE PARANORMAL PERCEPTION CHANNELS.

3. (C) BACKGROUND:

A. (C) FTD'S MAIN PURPOSE FOR BECOMING INVOLVED IN THIS PARTICULAR RESEARCH WAS TO AID IN EVALUATING WARSAW PACT COUNTRY RESEARCH IN A BROAD AREA OF PARANORMAL TOPICS AND TO SEE IF CERTAIN FOREIGN CLAIMS COULD BE DUPLICATED. OTHER OBJECTIVES HAVE ALSO INCLUDED ATTEMPTED DUPLICATION OF SPECIFIC APPLICATIONS CLAIMED TO BE USSR RESEARCH GOALS (COMMUNICATION POTENTIAL), AND TO INVESTIGATE ACCURACY POTENTIAL OF GEOGRAPHIC LOCATION DESCRIPTION (REMOTE VIEWING). ALTHOUGH SUFFICIENT FOREIGN RESEARCH DATA IS NOT AVAILABLE FOR ABSOLUTE PROOF, BOTH OF THESE OBJECTIVES ARE BELIEVED TO BE PURSUED BY USSR RESEARCHERS. DUE TO THEIR PREVIOUS WORK IN "REMOTE VIEWING", SRI WAS SELECTED TO HELP INVESTIGATE THESE CLAIMS. THEIR APPROACH IS BASICALLY SIMILAR TO SOME OF THE USSR RESEARCH. SPECIFIC INVESTIGATIONS UNDER THIS CONTRACT COULD OF COURSE BE MEANINGFUL TO OTHER AGENCIES WHO ARE RESPONSIBLE FOR R/D OR

TAB B

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APPLICATION DEVELOPMENTS. HOWEVER, POTENTIAL APPLICATIONS, SUCH AS INTELLIGENCE DATA COLLECTION, WERE NOT AN OBJECTIVE OF FTD'S INVESTIGATIONS.

B. (C) SINCE FTD'S OBJECTIVES WERE NOT FOR R/D OR APPLICATION DEVELOPMENT, AND SINCE THE FUNDING LEVEL WAS LIMITED, NO PLANS WERE INTENDED FOR ANY EXTENSIVE VERIFICATION INVOLVING TRADITIONAL PROCEDURES SUCH AS WERE USED AT DUKE UNIVERSITY. HOWEVER, SOME BASIC GUIDELINES WERE ESTABLISHED AS AN AID IN FORMING JUDGEMENTS AS TO APPARENT DEGREE (OR LACK OF) OF THE WIDE VARIETY OF EXPERIMENTS ATTEMPTED. SOME EXPERIMENTS WERE MORE AMENABLE TO STATISTICAL VERIFICATION; OTHERS INVOLVED SUBJECTIVE AS WELL AS SOME OBJECTIVE FACTORS. THERE IS A LACK OF GENERAL AGREEMENT IN THE PARAPHYSICS COMMUNITY AS TO WHAT CONSTITUTES A SUFFICIENT PROOF OF THE EXISTENCE OF A PARTICULAR PHENOMENA. THE SRI EFFORT DID NOT ATTEMPT TO DEVELOP SPECIFIC TASKS TO PROVE A PARTICULAR PHENOMENA.

4. (S) PROCEDURES FOR VERIFICATION

A. (C) ONE CONCERN FOR ANY EXPERIMENT IS THE CREDIBILITY OF THE RESEARCHERS. THIS ASPECT WAS CAREFULLY EVALUATED WITH THE PREVIOUS SPONSOR (CIA), AND ALSO KEPT IN CONSIDERATION DURING SUBSEQUENT CONTRACTUAL WORK WITH SRI. IT IS OUR ASSESSMENT THAT THE SRI RESEARCHERS ARE NOT INVOLVED IN ANY FORM OF FRAUD OR COLLUSION. THIS CONFIDENCE LEVEL WAS ESTABLISHED EARLY IN THE PROGRAM, AND TO DATE, THERE IS NO REASON TO ALTER THIS ASSESSMENT. THIS IS A CRITICAL ISSUE SINCE MANY EXPERIMENTS COULD NOT BE MONITORED DIRECTLY BY THE FTD PERSONNEL DUE TO TIME AND TRAVEL FUND LIMITATIONS

SOME EXPERIMENTS WERE DESIGNED FOR CONFIDENCE BUILDING AND EASE OF FEEDBACK TO THE SUBJECT IN ORDER TO IMPROVE PERFORMANCE ON KEY EXPERIMENTS TO BE PERFORMED LATER.

B. (C) SOME EXPERIMENTS, PARTICULARLY THOSE ORIENTED TOWARD EVALUATING SOVIET CLAIMS OF "COMMUNICATION POTENTIAL", INVOLVED SEVERAL THOUSAND TRIALS WHERE SUBJECTS ATTEMPTED TO DESCRIBE SIMPLE TARGETS DISPLAYED RANDOMLY ON SLIDES (COLORS, ALPHABET LETTERS, NUMBERS). SUCH EXPERIMENTS WERE EASY TO EVALUATE STATISTICALLY, AND THE RANDOMNESS OF THE TARGET SELECTION DEVICE COULD BE EASILY CHECKED. SOME OF THESE EXPERIMENTS (USUALLY AFTER LONG PERIODS OF CONFIDENCE EXPERIMENTS) SHOWED DEFINITE LEARNING IMPROVEMENT TRENDS. IN ONE CASE, A SUBJECT'S RESULTS WOULD HAVE BEEN OBTAINED ONLY ONCE IN 100,000 TRIALS. SPECIFIC DETAILS WILL BE AVAILABLE ABOUT SEPTEMBER 1978 IN THE YEAR-END PROJECT REPORT.

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C. (U) FOR EXPERIMENTS INVOLVING REMOTE VIEWING OF NATURAL (GEOGRAPHIC) TARGETS IN THE PALO ALTO AREA, PROCEDURES FOR EVALUATION HAVE VARIED. IF THE PURPOSE OF THE EXPERIMENT WAS FOR CONFIDENCE BUILDING OR IN CONJUNCTION WITH A COMMUNICATION PURPOSE (I.E., USING PRESENCE OR ABSENCE OR DICHOTOMIES NOTED IN NATURAL SITES TO REPRESENT BINARY DIGITS), EVALUATION PROCEDURES WERE VERY BASIC. SOMETIMES THE TARGETS WERE OBTAINED FROM A LARGE PRESELECTED TARGET POOL; OTHER TIMES A SMALL TARGET POOL WAS IDENTIFIED, EACH OF WHICH HAD UNIQUE FEATURES. THE TYPE OF KEY FEATURES (I.E., WATER, LARGE BUILDING, ETC.,) WERE CORRECTLY IDENTIFIED IN ALMOST EVERY CASE. THIS TYPE OF EXPERIMENT HAS ONLY BEEN RECENTLY ATTEMPTED, AND A LARGE SAMPLE OF TRIALS HAS NOT BEEN ACCUMULATED FOR MEANINGFUL STATISTICAL EVALUATION.

D. (U) EXPERIMENTS INVOLVING LONG DISTANCE "REMOTE VIEWING" INVOLVING EXPERIMENTERS VISITING A TARGET SITE ALSO HAVE HAD VARIABLE EVALUATION PROCEDURES. A SMALL TARGET POOL (REPRESENTING DIVERSE FEATURES) WAS USUALLY DEVELOPED BY THE FTD CONTRACT MONITOR OR HIS DESIGNEE. IN SOME CASES THE FTD PROJECT OFFICER WAS AWARE OF THE TARGETS; IN OTHER HE WAS KEPT BLIND TO THEM. THEN THE SUBJECT (IN THE SRI LAB) WOULD PRODUCE A TAPE RECORD OF IMPRESSIONS, AND THE RESULTING SCRIPT (AND TYPE IF SO DESIRED) WOULD BE MADE AVAILABLE TO FTD FOR BASIC EVALUATION. AGAIN, A JUDGEMENT, BASED ON A GENERAL REVIEW BY INTERESTED ANALYSTS (OR OTHER SELECTED AT RANDOM) WOULD BE MADE AS TO DEGREE OF CORRELATION (OR NOT) BETWEEN THE SCRIPT AND KEY OR UNIQUE TARGETS FEATURES. THE EXPERIMENT WAS JUDGED TO BE AT LEAST SUGGESTIVE OF A PARANORMAL CHANNEL IF AT LEAST ONE OF THE TARGET ASPECTS WAS ACCURATELY DESCRIBED. THE TARGETS WERE USUALLY CHOSEN ON THE BASIS OF THEIR UNIQUENESS; THE EXTENT TO WHICH UNIQUE ASPECTS WERE DESCRIBED ADDED CONFIDENCE TO ASSESSMENT OF APPARENT SUCCESS. THESE METHODS OF EVALUATION SHOULD BE VIEWED AS VERY BASIC, MAINLY FOR GAINING INSIGHT, AND NOT AS A METHOD TO CONCLUSIVELY PROVE THE EXISTENCE OF THE PHENOMENA.

E. (S) A SIMILAR APPROACH WAS USED TO PERFORM BASIC EVALUATION OF "REMOTE VIEWING" WHERE ONLY ABSTRACT DESCRIPTIONS ARE PROVIDED TO THE SUBJECT (E.G., COORDINATES, PLACENAMES). IN THESE EXPERIMENTS, EXPERIMENTERS ARE NOT PRESENT AT THE INTENDED TARGET. EARTH COORDINATES HAVE BEEN ONE METHOD INVESTIGATED BOTH FOR THE US AND FOREIGN LOCATIONS. IN MOST OF THESE EXPERIMENTS, THE PROJECT OFFICER HAS BEEN BLIND TO THE GEOGRAPHIC AREA REPRESENTED BY THE COORDINATES, USUALLY, THE PROJECT OFFICER PROVIDES THE COORDINATES TO THE SRI RESEARCHERS WHO DO NOT MAKE IT AVAILABLE TO

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SUBJECT: SPECIAL ANALYSIS STUDIES

REFERENCE: DIRUSAMSA MSG DTG 011200Z MAY 78. THE RESULTING SCRIPT (AND TAPE) IS MADE AVAILABLE TO THE PROJECT OFFICER WHO THEN COMPARES THIS TO PHOTOGRAPHIC DATA. IN SOME CASES, FOR HIGHLY UNIQUE TARGET TYPES, JUDGEMENTS CAN BE READILY MADE AS TO DEGREE OF CORRELATION OR NOT. NOT MANY COORDINATE EXPERIMENTS HAVE BEEN PERFORMED; CERTAINLY NOT ENOUGH TO ESTABLISH A STATISTICAL BASE. HOWEVER, SOME EXPERIMENTS (THOUGH NOT ALL) APPEAR TO HAVE A HIGH DEGREE OF CORRELATION WITH KEY TARGET FEATURES. USUALLY SIX COORDINATES ARE DEFINED AS THE TARGET POOL, AND COMPARISONS ARE MADE TO THAT PRESELECTED POOL, RATHER THAN A LARGER SET. SOME EXPERIMENTS HAVE INVOLVED COMPARISON TO ONLY ONE COORDINATE TARGET, THE INTENT OF THE EXPERIMENT WAS MAINLY TO EXAMINE DEGREE OF DETAIL OR RESOLUTION FOR A SPECIFIC UNIQUE TARGET ELEMENT. IN SUMMARY, THESE COORDINATE EXPERIMENTS HAVE BEEN UNDER THE CONTROL OF THE PROJECT OFFICER (OR HIS DESIGNEE), AND HAVE EMPHASIZED TARGETS WITH SPECIFICS THAT CAN BE OBTAINED (AND VERIFIED) ONLY FROM PHOTOGRAPHY. IT APPEARS THAT APPARENT DEGREE OF SUCCESS IS A FUNCTION OF SUBJECT MOOD, DEGREE OF EXPERIENCE, CONFIDENCE LEVEL, AND OTHER FACTORS INVOLVING THE SUBJECT AND EXPERIMENTAL SETTING. THE NATURE OF THE INTENDED TARGET MAY ALSO INFLUENCE DEGREE OF APPARENT SUCCESS.

5. (S) EXAMPLES OF SPECIFIC EXPERIMENTS:

A. (S) SOME SPECIFIC EXAMPLES ARE AVAILABLE IN THE YEAR-END REPORT (FY1977) WHICH HAS BEEN PREVIOUSLY PROVIDED. HOWEVER, OTHER EXAMPLES INVOLVING SI/SAO DATA FOR VERIFICATION CAN ALSO BE CITED. A RECENT EXAMPLE IS THE EXPERIMENT PERFORMED JOINTLY WITH DIA/FTD MONITORS (WHICH IS AVAILABLE IN DI-1A). ANOTHER EXAMPLE WAS AN

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FIELD CONDUCTED EXPERIMENT INVOLVING COORDINATES NEAR RAMENSKOYE, AIRFIELD, SW OF MOSCOW. THE COORDINATE WAS NOT THE AIRFIELD, BUT OF A NEARBY TOWN. IN THIS CASE, THE COORDINATE WAS PROVIDED TO THE SUBJECT AT THE TIME OF THE EXPERIMENT. THE PROJECT MONITOR ONLY HAD A BASIC AWARENESS OF TARGET DETAILS, AND HAD NO DETAILED KNOWLEDGE OF SITE FEATURES. THE SUBJECT, UNDER STRICT OBSERVATION OF THE SRI EXPERIMENTERS, PROVIDED SKETCHES WHICH INCLUDED HIGHWAY SYSTEMS, AIRFIELD, AND GENERAL FEATURES (DAMS, FACTORY LOCATIONS, RIVERS). ORIENTATION AND RELATIVE LOCATION OF THESE SKETCH ELEMENTS WERE IN CORRELATION WITH ACTUAL TARGET FEATURES. THIS PARTICULAR AIRFIELD IS NOT SHOWN ON ANY COMMERCIALY AVAILABLE MAP OF THE MOSCOW AREA, AND SOME DETAILS COULD ONLY BE VERIFIED BY PHOTOGRAPHY (RUNWAY ORIENTATION, RELATIVE HANGER LOCATION, AND A NEARBY DAM).

3. (S) ANOTHER COORDINATE EXPERIMENT EXAMPLE INCLUDES ONE WHERE THE PROJECT MONITOR PRESELECTED A SITE AND WAS AWARE OF DETAILS AT THE INTENDED TARGET. HOWEVER, DETAILS OF THE SUBJECT'S DESCRIPTION (RURAL AREA) IN NO WAY RESEMBLED THE INTENDED SITE AREA (A COMPLEX PROPULSION TEST FACILITY IN A DESERT AREA). THIS WAS JUDGED AS A FAILURE, UNTIL AN ERROR WAS NOTED IN COORDINATES PROVIDED TO THE SUBJECT. PHOTOGRAPHY OF THIS COORDINATE AREA WAS SUBSEQUENTLY OBTAINED. THE CORRECT COORDINATE WAS OF AN EXTENSIVE RURAL AREA WHICH GENERALLY CORRELATED TO THE SUBJECT'S SCRIPT. THIS SUGGESTS THAT THE SUBJECT DOES NOT OBTAIN INFORMATION FROM THE KNOWLEDGE OF THOSE INVOLVED IN THE EXPERIMENT (I.E., VIA TELEPATHY).

2. A SUMMARY OF OTHER COORDINATE EXPERIMENTS IS CURRENTLY IN PREPARATION IN CONJUNCTION WITH THE CONTRACTOR'S YEAR-END REPORT. THESE DETAILS WILL BE PROVIDED LATER, AND WILL ALSO BE ON FILE IN DT-1A.

5. (C) BASIC RESEARCH POSSIBILITIES:

4. (C) INVOLVEMENT WITH SRI RESEARCH OVER THE PAST TWO YEARS, AND ASSESSMENT OF WARSAW PACT COUNTRY RESEARCH ON PARAPHYSICS TOPICS HAS LED TO AN AWARENESS OF POTENTIAL BASIC RESEARCH DIRECTIONS.

SOME POTENTIAL "BLUE" RESEARCH ISSUES COULD INCLUDE:

- (1) EVALUATE METHODS FOR IDENTIFYING PEOPLE WHO HAVE POTENTIAL TO PERFORM PARANORMAL TASKS
- (2) IDENTIFY METHODS OR PROCEDURES FOR TRAINING AND DEVELOPING PEOPLE TO PERFORM SPECIFIC TYPES OF PARANORMAL TASKS;
- (3) IDENTIFY THE ROLE OF VARIOUS PHYSIOLOGICAL AND PSYCHOLOGICAL FACTORS THAT COULD IMPROVE PARANORMAL PERFORMANCE;
- (4) IDENTIFY PHYSIOLOGICAL PARAMETERS THAT MAY INDICATE OCCURRENCE OF PARANORMAL EVENTS;

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- (5) EVALUATE IF CORRELATIONS OF PHYSIOLOGICAL PARAMETERS OCCUR BETWEEN VARIOUS PEOPLE INVOLVED IN A PARANORMAL TASK (I.E., SENDER-RECEIVER; RECEIVER-EXPERIMENTER);
- (5) EVALUATE DEGREE OF ACCURACY AND RESOLUTION ABILITY OF PARANORMAL INFORMATION CHANNELS;
- (7) EVALUATE ROLE OF MEMORY, VISUALIZATION ABILITY, AND OTHER MENTAL APTITUDES IN PERFORMANCE OF PARANORMAL TASKS;
- (8) IDENTIFY ROLE OF BASIC LEARNING THEORY IN DEVELOPMENT OF PARANORMAL PERCEPTION;
- (9) EVALUATE EXTENT TO WHICH "ABSTRACT TARGETING" CAN BE PERFECTED BY INEXPERIENCED SUBJECTS;
- (10) RESOLVE THEORETICAL ISSUES THAT COULD EXPLAIN PARANORMAL PROCESSES (EG., EM RADIATION, QUANTUM MECHANICS, GRAVITATION);
- (11) PERFORM MEASUREMENT OF NEAR FIELD EFFECTS (SUCH AS LOW FREQUENCY MAGNETIC FLUX, UV RADIATION, LOW LIGHT LEVEL SOURCES) WHICH MAY ACCOMPANY PARANORMAL TASKS;
- (12) INVESTIGATE EFFECT OF TARGET TYPES, OR TARGET CHARACTERISTICS, ON DEGREE OF SUCCESS IN PARANORMAL TASKS;
- (13) EXPLORE THEORETICAL ISSUES THAT COULD LEAD TO AN UNDERSTANDING OF HOW "TARGETS" ARE LOCATED;
- (14) INVESTIGATE POSSIBILITY OF "MENTAL INTERACTIONS" WITH SENSITIVE EQUIPMENT (PHOTOGRAPHIC, LOW NOISE DEVICES, RANDOM NOISE DEVICES, ETC);
- (15) ESTABLISH MEANINGFUL EVALUATION CRITERIA FOR VARIOUS TYPES OF PARANORMAL EXPERIMENTS.

3. (U) THE ABOVE ARE SOME POSSIBLE ISSUES THAT AN R/D PROGRAM COULD ADDRESS.

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