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MEMORANDUM

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REV. 9-56

DATE: 9-16-68  
A-830-BB01-JMB-10

TO: R. M. Wood, A-830  
FROM: J. M. Brown, A-833  
SUBJECT: CURRENT RECOMMENDED TASKS FOR 3-6 MAN EFFORT

COPIES TO: D. B. Harmon, Jr., C. P. Thomas, W. P. Wilson, Jr., A-830; File

REFERENCE:

Introduction

This memorandum outlines the rationale and tasks for Advanced Concepts which are recommended if the anticipated 3-6 man level funding is realized for the next 12 months.

Theoretical Approach

The principal concept which we have been pointing toward is a scheme in which randomly moving particles are organized, then directionally released for performing work. It is strongly believed that gravitation is produced by an organizational mechanism and, for that matter, all attractive forces probably result from similar mechanisms rather than from distortions in the space-time continuum as in current science. In view of these remarks, in view of the fact that an electron is the smallest matter particle, (and probably the simplest) and with the assumption that an electron has a gravitational field, the electron has a central role in the development of the vehicle concept - in addition to its central role in the theory development.

Qualitative descriptions of the mechanisms for all the properties of the electron (and positron) are now available except for the graviton production mechanism. The most recent major question unanswered was concerned with the mechanism for producing the discrete properties, such as its rest energy. The mechanism for producing this discreteness is believed to result from density waves which travel throughout the electron. It is conceivable that molecular chaos may govern for the electron and this requirement may be the factor which produces the discreteness in the electron and in all of quantum field theory in general. The graviton production mechanism has been defined in gross terms.

A rigorous analysis of the electron may require the Continuum Equation, the Boltzmann Equation, or the BBGKY approach. All of these avenues should be pursued vigorously.

Experimental Approach

An atmospheric model of the electron not only has the theory advantage of simulating the electron, but also has the potential practical advantage of indicating how to organize molecules for atmospheric propulsion. These advantages weighed against the disadvantages of using non-ideal gas particles

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and not knowing the "vortex" size in advance strongly indicate that we should proceed with the atmospheric "electron" as soon as possible. Once a stable vortex is found and if shedding does occur, then it should be a simple matter to simulate external fields for directing and amplifying the process.

With regard to electromagnetic type experiments, it is clear that if a gravity amplification type space propulsion system exists or can be built by MDAC-WD then it must result from the application of magnetic, electrostatic, and/or photon fields in appropriate strengths, geometries and time sequences. I feel extremely confident that all the possible interactions have not been found, very confident that we can find some new ones, and somewhat confident that a gravity amplification propulsion system could be found in just this way with no other supporting analysis. With the supporting analysis, or conjectures, which are available, I feel more confident in this approach.

### Recommended 3-6 Man Program

It appears that a rigorous analysis of the electron probably will come from Advanced Concepts personnel; either from present personnel, our consultant, or from new hires. It does not appear to be good judgement to expect the analysis to come from any other source. If new personnel are hired they should be young PhD mathematical physicists who are willing and able to work on this project. Such men are hard to find, but a little ingenuity and effort will turn them up (for example, Mr. Clark Bullard).

The present experimental program (velocity of light/magnetic field experiment) should be augmented as soon as possible with the atmospheric electron and the gravity amplification vehicle experiments. New personnel would not be required to implement these programs.

The present interview program may uncover useful information. However, even with a six man team it seems a considerably better bet to minimize, but not terminate, this effort.

### Concluding Remarks

The following points regarding this recommended program seem worthy of emphasizing:

1. The theoretical approach should be expanded, but still must remain self-contained in the Advanced Concepts area.
2. The theoretical approach is believed to be quite "end-product" oriented.

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3. The experimental program is being expanded with a strong emphasis on the end product.
4. Ancilliary investigations of psi phenomena, other unusual phenomena, and contactees are being minimized.
5. The actual effort recommended is consistent with the rough draft briefing which has just been prepared.



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