



DEPARTMENT OF THE AIR FORCE
NATIONAL AIR & SPACE INTELLIGENCE CENTER
WRIGHT-PATTERSON AFB OHIO

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Colonel Paul K. Harmer
Vice Commander
National Air and Space Intelligence Center
4180 Watson Way
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John Greenewald, Jr.
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Dear Mr. Greenewald,

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Sincerely,

A handwritten signature in black ink, appearing to read "Paul K. Harmer", is written over a horizontal line.

PAUL K. HARMER, Colonel, USAF
Vice Commander

Attachment(s)
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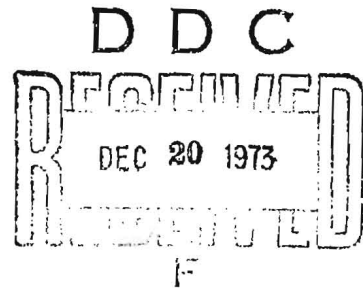
FOREIGN TECHNOLOGY DIVISION



WERNHER VON BRAUN WARNS ... AND
ADVANCED PROPULSION CONCEPTS PROJECT OUTGROWTH

by

Author Unknown



20 DEC 1973

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Wernher von Braun warns....

Dr. v. Braun, a leading personality in the Apollo moon landing program said: "We must look upon Earth as a solitary space ship with an unknown destiny, upon which 3.5 billion astronauts are travelling through space.

"These astronauts are misusing the strictly limited raw materials of the space ship, Earth. It is absolutely essential that immediate and decisive steps be taken against this. What the world must do is to promote a better understanding of the situation and to demand precise planning. Satellites must be used to obtain reliable data on Earth's minerals and food sources, on the growth of cities and the state of the population. When this information is fed into a computer we then will be able to prevent famine before it strikes a nation."

Dr. v. Braun said that satellites can also serve to educate the people of overpopulated countries to undertake family planning. This would be done by televising programs to them. Other scientists agree with Dr. v. Braun that the situation is critical.

Kenneth Gatland, the vice president of the British Interplanetary Society, said, "Our only salvation will be the broadest application of science - including satellites - and technology. We are space travelers and we must concern ourselves with the space ship. We must not exploit its mineral capacity in a happy-go-lucky manner."

Gatland also sees help in the satellites. He said that the first Earth Resources Technology Satellite, which was launched this summer, can forecast harvests, vegetation, disease, vital land area information and air and water pollution. He added, "Satellites can also discover such things as locust swarms, oil spills, hurricanes and forest fires."

Valentin Cleaver, the rocket director of Britain's Rolls-Royce, said, "The pressing problems of our civilization will become worse as the natural resources of the world are exhausted. The best way to bring a halt to this condition is surveillance by means of satellites."

National Enquirer, 1/7/73.
UN Translator: L. von Hohberg

Wernher v. Braun is
Vice-President of
Fairchild Industries
Germantown, MD (USA)

ADVANCED PROPULSION CONCEPTS
PROJECT OUTGROWTH

A comparison between the existing theories on UFO-propulsive systems and a U.S. Air Force technical document dated June 1972 should be of considerable interest to UFO-Researchers. This document was released by the Director of the Air Force Rocket Propulsion Laboratory (AFRPL) U.S. Air Force, Edwards, California and is designated as "Technical Report AFRPL-TR-72-31". A 28-member study group at this laboratory attempted a prognosis of future developments in the area of propulsive systems.

The report was concerned not only with the evaluation of improved rocket propulsive mechanisms but also with the future concepts of "Force Field-Propulsive Systems" of the next generation in order to estimate their potential. The preface to this all-encompassing report of over 150 pages leads, in an interesting way, to the conclusion that the report has been drawn up with the purpose of encouraging and promoting gifted and interested scientists and engineers to once more develop "Advanced Propulsion Concepts".

In Chapter II, paragraph 2 under the heading, "Force Field Propulsion", we find the following:

Electrostatic Effects - Alfvén-Frequency Propulsion -
Electromagnetic Space Craft Propulsion - Superconducting Particle Accelerator - Antigravitation Propulsion with a definition for Force Field Propulsion Systems:

"The concepts of the field propulsion system uses electrical and/or magnetic fields in order to either accelerate an

ionized working fluid or, with the help of electric or magnetic effects, to operate directly upon the surroundings. The most revolutionary possibilities are offered in the area of field propulsion." The report goes on to say: "The possibility of carrying through an objective analysis with many proposed ideas is thereby prejudiced in that the basic principles are stretched from existing knowledge into as yet unknown realms. The category of field propulsion encompasses perhaps more ideological concepts than any other area."

The defined properties of the E/M (electro-magnetic) space craft propulsion system are of special interest. According to its concept it will use the earth's magnetic field as propulsive energy. In this case it is suggested that a superconducting magnet be used as a compact energy collector. In space, either solar energy or a small isotope reactor could be used as an energy source. The system, as is further mentioned, would be capable of accelerating to very high velocities when used over very great distances and for long periods of time. For the future this concept manifests important properties with regard to protection from a hostile environment since an exceedingly strong magnetic field would serve as a very effective shield for deflection of the energy-rich and dangerous particles of the sun's radiation.

A further description envisions the application of a large super-cooled magnet in the form of an induction coil. It would act like a magnetic dipole and would, thereby, repel the corresponding magnetic poles of the planet Earth.

In deep space, where the planetary field becomes practically ineffective, there would still be an effect, due to the magnetic field of the sun.

Another paragraph of the report under the title:

"Antigravitation Propulsion", describes the application of the gravitational forces of the Earth and other celestial bodies as possible sources of propulsion and describes as the main characteristics:

1. unlimited "specific impulses"
2. attainability of "near-light velocity"
3. minimal burden on the environment and surroundings
4. economical exploration of the universe (!)

One of the two concepts, which can be taken under consideration, makes reference to the "unified field theory" and uses electromagnetic analogies to the gravitation control. In the report it is said word for word: "Before one can undertake the attempt to influence gravity it is essential to know exactly what produces gravity. Numerous reputable scientists are, however, convinced that a new discovery in fundamental physics is necessary for the complete understanding of gravitation." In general, therefore, physicists assume that there is a connection between electromagnetism and gravity since both forces obey the same laws, i.e., both forces diminish in strength with increasing distance, in the same mathematical relationship. On the other hand there are also interesting differences in the mode of operation of both fields, since electromagnetism consists of two components, which can be identified. The two are the electric field and the magnetic field. By contrast, the gravitational field appears to have only one component. Moreover, electrical charges can repel as well as attract, whereas gravity always exerts only an attractive force." So much for the technical report of the U.S. Air Force.

As the readers of the book "Forschung in Fesseln" (Research in Chains) know, there are the private experiments of Dr. Saxl, a former student of Einstein in Berlin. These experiments permit conclusion of revolutionary new findings relative to gravitational forces. However, thanks to the unbelievable inertia of educational institutions and of the bureaucracy which dominates them, the findings have yet to enjoy any recognition or are possibly being consciously ignored for economical reasons.

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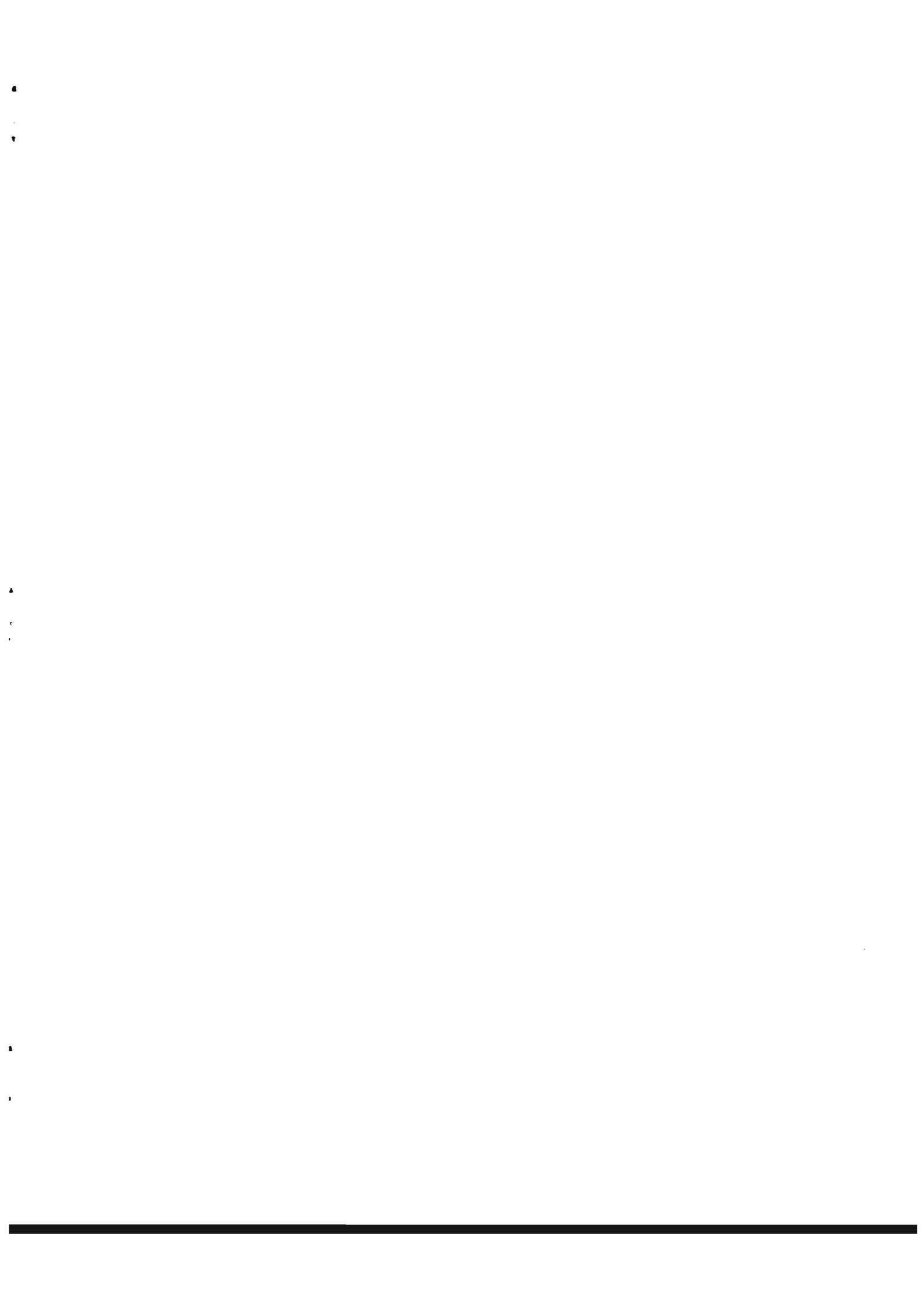
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