

be given a small acceleration - a thrust well understood by helicopter designers.

The beam or rays emitted in the direction of a small mass is given a very high velocity - correspondingly enormous power is greater than the total world's power capacity - enough to be needed to support even the smallest object by such means.

EXPER II. Effect on of Earth's Magnetic Field.

One observer (identified G.I.) noticed a slight notice of a hard-field magnet. If we assume from this that the object produced a magnetic field, comparable with the Earth's field, namely 0.1 gauss, and that the observer found that the object subtended an angle θ at his position, then the expenditure of the required electromagnetic is given by

$$H = \frac{10^9}{\theta} \text{ where } \theta \text{ is the range of the object.}$$

For instance, if θ is one kilometer and the object is 40 meters in diameter, then $H = 1$ billion ampere-turns.

Now if the object were actually only 10 meters away and were correspondingly smaller, namely 20 cm in diameter, it would still require 10 billion ampere-turns.

These figures are a little in excess of what can be conveniently done on the ground. They make it seem unlikely that the effect was actually observed.

Now the Earth's magnetic field would react on such a magnet to produce not only a torque but also a force. This force depends not directly on the Earth's field intensity but on its irregularity or gradient. This force is obviously small since the change in field over a distance of 10 meters (assumed diameter of the object) is scarcely measurable - moreover the gradient is not predictable but changes due to local ore deposits.

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