

THESE ARE APPARENTLY THE PAGES REFERED TO IN THE LETTER HERETO ATTACHED. THEY ARE NOT SIGNED BY MORAY, THUS HE COULD DENY AUTHORSHIP SHOULD HE CHOOSE. THEY CONTAIN NO DATE? NOR ANY COPY RIGHT NOTATION, BUT PROBABLY SHOULD NOT BE QUOTED DIRECTLY TO BE ON THE SAFE SIDE AND AVOID TROUBLE.

"The crusing distance of any Radiant Energy powered plane will be limited only to the requirements of the crew and passangers. With the Moray bearing even the bearings will need no attention or lubrication for years at a time. Fire hazards from fuels will be eliminated. No exhaust or fumes of any kind. An R.E. plane will be practically noiseless except for the whirl of the circular discs by which the plane will be propelled. The energy will be obtainable at any point in the Universe from the oscillations of the Universe. Speed of the R.E. motor, which we first experimented with and which is shown in the pictures, was in excess of 12,000 R.P.M. No reason is indicated why speeds greater than 260,000 R.P.M. will not be obtainable because the motor will be using current at a frequency of 6,000 cycles. Such frequencies are obtained from R.E. by transposition just as the draft of the current with the R.E. device is adapted to the load, so also can the frequencies be varied as desired. The natural R.P.M. with 60 cycle current is 3,600, so with 6,000 cycles 360,000 R.P.M. is indicated. This also means great air speed. Fully realizing the limitations of metals to withstand such vibrations, there are plastics which are believed to be able to withstand such speeds. Certain alloys are being developed by Moray which have a very low vibratory co-efficiency and indicate great promis in this field. Magnetic metals dampen very high frequency currents too much so great care must be exercised where magnetic metals are used in the R.E. motor. The R.E. Motor operates on the principle of a high frequency field and not a magnetic field. An R.E. powered plane will not be propelled by conventional propellerx blades but circular disks will be used which already have shown great promis and some successful