

[The Tom Bearden Website](#)



Howard Johnson constructing one of his magnetic motors

A candid shot taken during the filming of the upcoming William Gazecki Documentary
[ENERGY FROM THE VACUUM](#)

Johnson's Motors

Johnson [\[xxvii\]](#) has built many novel linear and rotary motors and at least one self-powering magnetic rotary device — later stolen in a mysterious break-in at his laboratory — personally tested by the present author. Johnson uses a bidirectional "two particle" theory of magnetic flux lines which can be justified by Whittaker's earlier work showing the internal bidirectional energy flows in all potentials and fields. He also utilizes controlled spin-waves and self-initiated precise exchange forces, which are known to momentarily produce bursts of very strong forcefields [\[xxviii\]](#). His approach is to use highly nonlinear assemblies of magnets which initiate the foregoing phenomena at very precise points in the rotation cycle. In short, he seeks to produce precisely located and directed sudden magnetic forces, using self-initiated nonlinear magnetic phenomena. This is

analogous to what the Wankel engine did using the [Lenz law effect](#) by sharply interrupting a weak current in a external coil. We point out that the Lenz law effect and other very abrupt field changes momentarily produce not only an amplified *Poynting* energy flow component, but also an amplified *Heaviside* energy flow component as well.

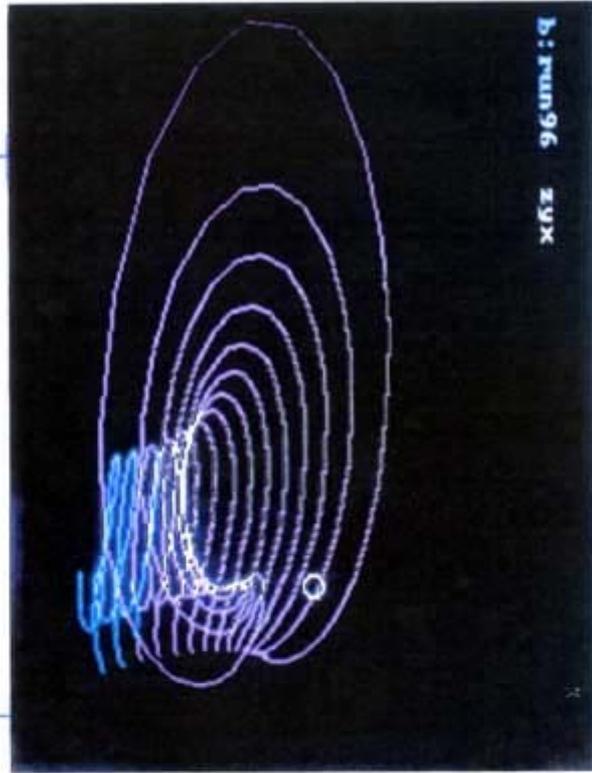
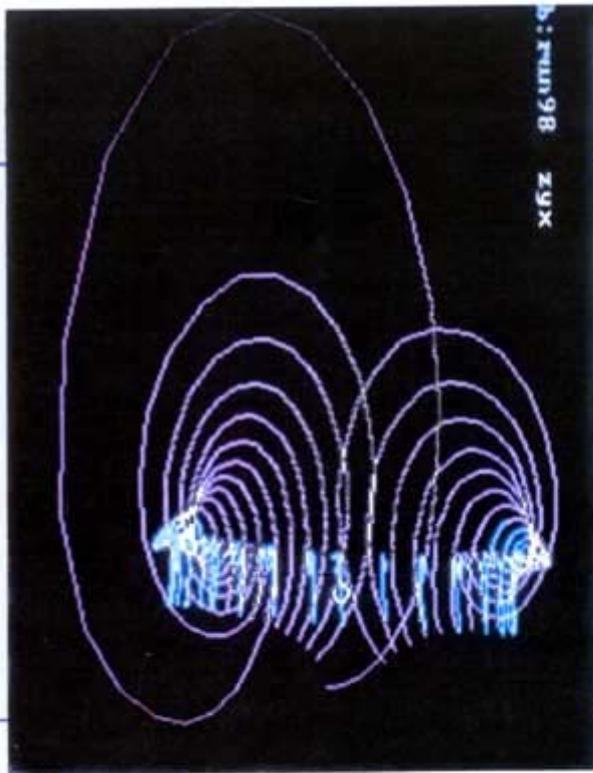
[xxvii]. Howard R. Johnson, "Permanent Magnet Motor." U.S. Patent No. 4,151,431, Apr. 24, 1979. See also Johnson's U.S. Patents 4,877,983, Oct. 31, 1989 and 5,402,021, Mar. 28, 1995.

[xxviii]. For an exposition of exchange forces and exchange energy, see B. D. Cullity, Introduction to Magnetic Materials, Addison-Wesley, Reading, MA, 1972; A.G. Gurevich and G.A. Melkov, Magnetization Oscillations and Waves, CRC Press, 1996; Victor S. L'vov, Wave Turbulence Under Parametric Excitation: Applications to Magnets, Springer-Verlag, Berlin, 1994. See also V.S. L'vov and L.A. Prozorova, "Spin Waves Above the Threshold of Parametric Excitation," in A.S. Borovik-Romanov and S.K. Sinha, Eds., Spin Waves and Magnetic Excitations, North-Holland, Amsterdam, 1988.

Excerpted from "[On Extracting Electromagnetic Energy from the Vacuum](#)," IC-2000, by Tom Bearden.

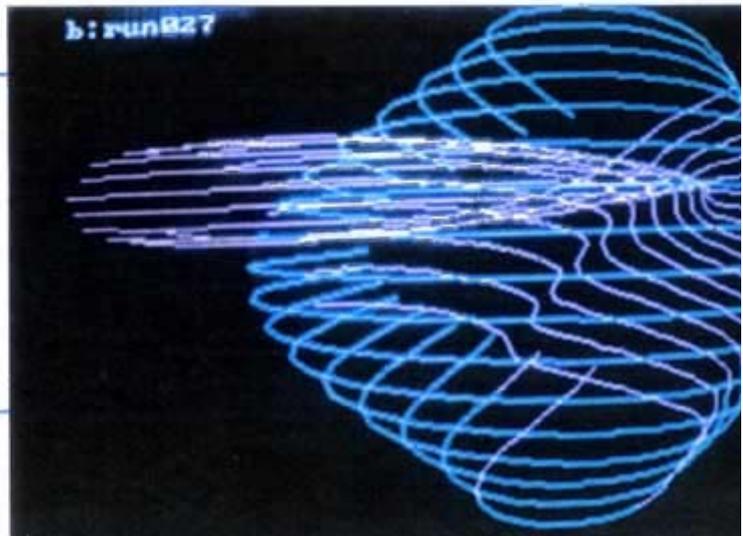
The photos below are excerpted from Howard Johnson's book "Discovering Magnetism", shortly to
be
re-published by Cheniere Press

The computer plots were taken of one of Howard Johnson's magnetic gates, and clearly show the
spin forces
created by the magnets, and also the "firing" of a magnet, with a burst of energy that is often several
hundred
times larger than the baseline magnetic strength. Howard Johnson was working in the field that is
now known
as "spintronics" long before it was "officially" recognized. There are over 200 magnetic effects, and
only
around half of them are understood.



The picture in the previous

This picture is the interaction of the curved metallic magnet as it enters into the gate:



[CTEC Inc. 1996 report on testing one of Howard Johnson's magnetic gates](http://www.cheniere.org/misc/johnson.htm)



Howard demonstrates one of his magnetic rail cars

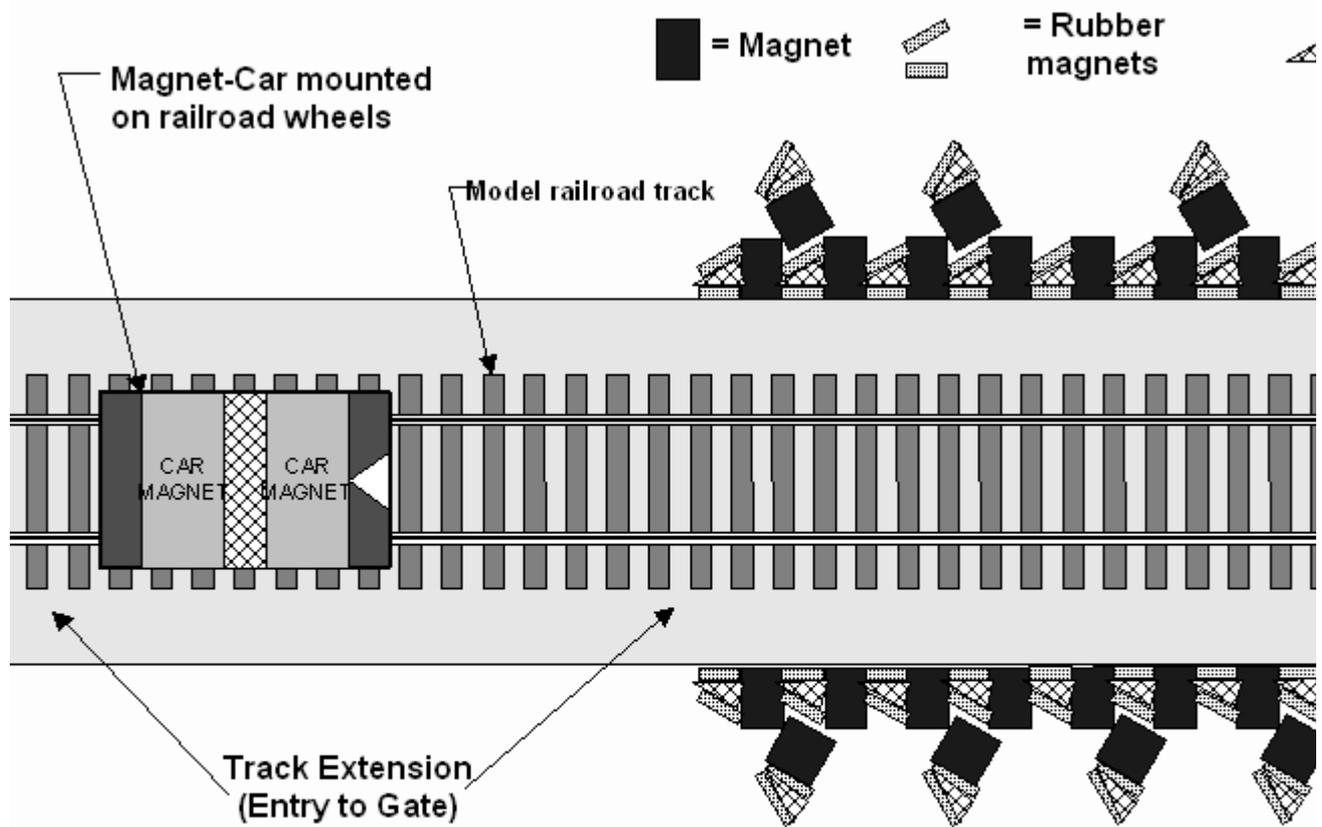
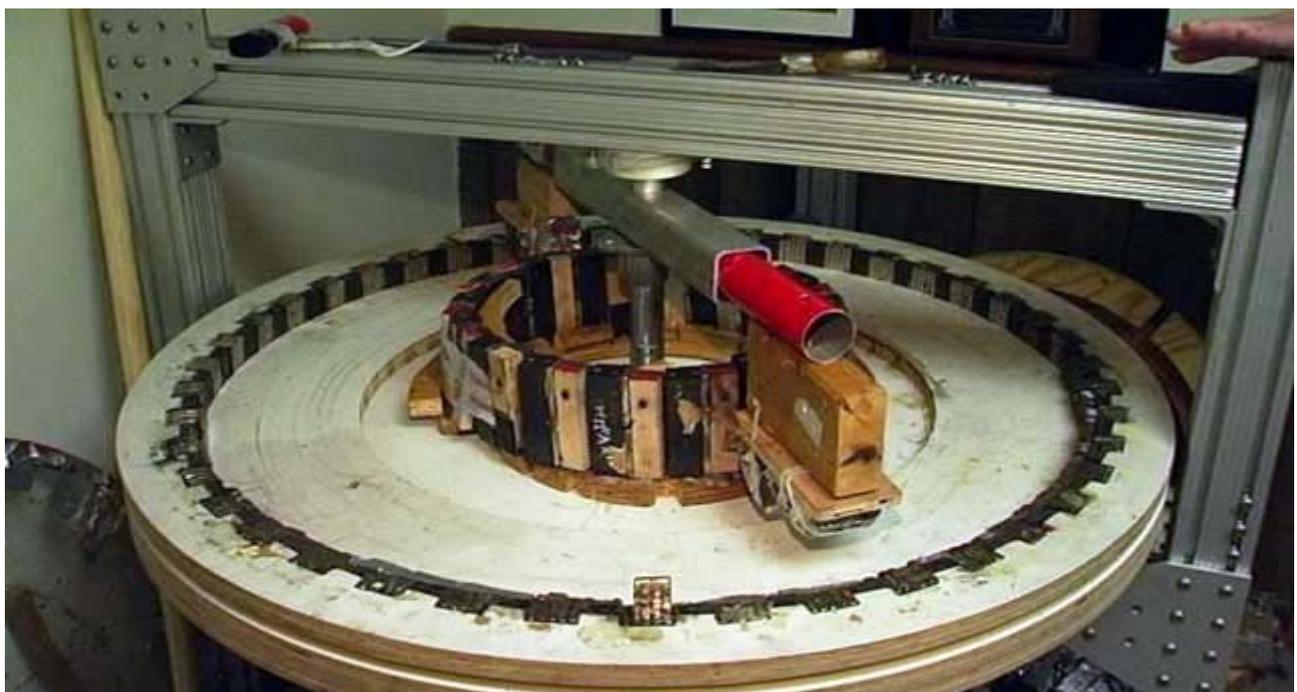


Figure 2. Howard Johnson's Magnetic Gate with Track Extension and Magnet-Car



Another Johnson self-powering all-magnetic motor



Howard Johnson - unsung pioneer