

MAGNETIC HIGHLIGHTS

Im Verlauf unserer Untersuchungen zeigte sich nun, daß Magnetfelder zwangsläufig im turbulenten interstellaren Gas entstehen müssen.

(A. Schlüter and L. Biermann, 1950)

The possibilities open if non-steady dynamo mechanisms work are so interesting in many directions that any positive results in this field will be very worth while.

(T.G. Cowling, 1955)

The argument in the past has frequently been a process of elimination: one observed certain phenomena, and one investigated what part of the phenomena could be explained; then the unexplained part was taken to show the effects of the magnetic field. It is clear in this case that, the larger one's ignorance, the stronger the magnetic field.

(L. Woltjer, 1967)

What then, is a magnetic field and how does it operate in the astronomical universe to cause all the 'trouble' that we have attributed to it? What is this fascinating entity that, like a biological form, is able to reproduce itself and carry on an active life in the general outflow of starlight, and from there alter the behaviour of stars and galaxies?

(E.N. Parker, 1979)