

Marcuse (1898-1979)

Science is not neutral.

The scientific view of nature is based on a *technological a priori* – a desire to control and dominate.

The science that we have at the moment cannot help us solve environmental problems. We need a new science that does not view nature with the *technological a priori*. This new science may emerge in a new (non-capitalist) society.

Modern science originates from Galileo. Its main feature is that primary properties are defined as real, secondary properties defined as unreal. (We define what is real and what is unreal)



Primary properties are defined as real because they are quantifiable (they can be measured mathematically)



Science looks at primary properties only



Science uses the study of primary properties to make predictions about the future



Predictions are only desired because we have an interest in control.



Science therefore has an interest in controlling nature.



To control is to dominate, and so science has an interest in the domination of nature.

The science of nature develops under the technological *a priori* which projects nature as potential instrumentality, stuff of control and organization. And the apprehension of nature as (hypothetical) instrumentality precedes the development of all particular organization. *One-Dimensional Man* p.126

The point which I am trying to make is that science, by virtue of its own method and concepts, has projected and promoted a universe in which the domination of nature has remained linked to the domination of man - a link that tends to be fatal to this universe as a whole. *One-Dimensional Man* p.135