

WHY IS THAT?

Some thoughts about science and critical thinking

A. Einstein:

Unthinking respect for authority is the greatest enemy of truth.

Michael Seeds (Astronomer, Author):

We live in a very big universe described by a small set of rules; ... those rules are knowable; ...[and] the human race has found a way to figure out the rules.

Originally stated by Thales of Miletus (624-547 BC, what is now Turkey):

Mysteries are mysteries because they are unknown, not that they are unknowable.

Science is the process by which intelligence tries to understand the universe.

Engineering and technology is the adaptation of scientific understanding for practical purposes.

Scientific method:

Theories must make predictions to be useful!

Hypothesis: Assertion or conjecture to be tested.

Theory: System of rules and principles that can be applied to a wide range of circumstances.

Natural Law: A theory that almost everyone accepts as true.

My own summary (paraphrasing others, mainly Carl Sagan):

We are made of star stuff - except for the hydrogen, everything that makes us what we are came from some long ago supernova. It's the ultimate answer to HOW you [we] got here.