

Also by Roger Ellman:

** THE ORIGIN AND ITS MEANING*

*ON THE ORIGIN OF THE UNIVERSE
AND ITS MECHANICS,
THE MECHANISM AND ORIGIN
OF INTELLIGENCE,
AND THE IMPLICATIONS
FOR THE INDIVIDUAL AND SOCIETY*

** ON THE NATURE OF MATTER*

*THE ORIGIN OF MATTER: ITS CAUSE;
THE STRUCTURE OF MATTER: ITS FORM;
MATTER'S INTERACTIONS: COULOMB, AMPERE, NEWTON,
MATTER WAVES, ATOMIC ORBITAL ELECTRONS,
MATTER AND ATOMS; GRAVITATION;
APPLICATIONS*

** THE PHILOSOPHIC PRINCIPLES OF RATIONAL BEING*

*ANALYSIS AND UNDERSTANDING OF
REALITY, TRUTH, GOODNESS, JUSTICE, VIRTUE, BEAUTY,
HAPPINESS, LOVE, HUMAN NATURE, SOCIETY,
GOVERNMENT, EDUCATION, DETERMINISM, FREE WILL, AND
DEATH*



$$v = H_0 \cdot d$$

THE TROUBLE WITH THE HUBBLE LAW

SIGNIFICANT DATA EVIDENCES THAT THE HUBBLE LAW
TREATMENT OF REDSHIFTS IS NOT VALID.

AN ALTERNATIVE TREATMENT OF REDSHIFTS IS EVIDENCED BY
FOUR INDEPENDENT OBSERVED COSMOLOGICAL EFFECTS.
THE RESULT GREATLY CHANGES COSMIC DISTANCE MEASUREMENTS
AND THE DETERMINATION OF THE AGE OF THE UNIVERSE.

ROGER ELLMAN

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The Trouble With the Hubble Law

Significant data evidences that the Hubble Law treatment of redshifts is not valid.

THE TROUBLE WITH THE HUBBLE LAW

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ABOUT THE AUTHOR

The-Origin Foundation, Inc. is a non-profit organization founded to foster independent scientific, mathematical, and philosophical research.

The author of “The Trouble with the Hubble Law”, Roger Ellman, is the General Director of the foundation.

Roger Ellman has published over fifty professional papers on topics ranging from physics, cosmology, and astrophysics to artificial intelligence and mathematics.

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He is author of four books in addition to the present “The Trouble With the Hubble Law”.

His education includes graduate studies at Stanford University after graduating from West Point, the United States Military Academy.

PREFACE

The successful progress of science depends on and requires the iteration of the following three-step process:

1. The observation of phenomena;
2. The development of potentially valid hypotheses as to the cause and the behavior of those phenomena;
3. The testing of the hypotheses with regard to their validity, generating new, related phenomena;

the cycle repeated until it converges on a fully validated hypothesis.

Of those steps the most difficult is the second, the developing of potentially valid hypotheses, because that is an active creative process of new original material whereas the observation of phenomena and the testing of resulting hypotheses is relatively passive. The first and third steps are dealing with the known. The second step is the creating of new ideas, new knowledge.

For that reason, when new phenomena present the challenge of calling for new, original hypotheses, whether because of the absence of any current hypothesis or because of the failure of all prior attempted hypotheses, the frequent response of the science community at large is to ignore the phenomena, to dismiss them from the scientific search for knowledge.

A few examples of such ignored problems is as follows:

- What makes the stable orbits of atomic electrons to be stable,
- The problem of matter wave frequency,
- How the Universe' first instant came from absolute nothing,

and

- The abundant observational evidence demonstrating the Universal Exponential Decay and that it, not the Hubble Law, is the correct interpretation of redshifts.