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Oikos Laboratories, Inc.
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The Editors acknowledge receipt of the manuscript by
Mark R. Anderson

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5 January 1982

Dr. Mark R. Anderson
Oikos Laboratories, Inc.
P.O. Box 1304
Friday Harbor, Washington 98250

Re: Resonance theory: The unification of relativity and quantum physics...
By: Mark R. Anderson

AL2056

Dear Dr. Anderson:

The above manuscript has been reviewed by one of our referees.

Comments from the report are enclosed. We are returning the manuscript for your consideration of these comments.

Yours sincerely,

Carol B. Kraner
Assistant to the Editor
Physical Review A

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Review of RESONANCE THEORY, MS AL 2056

There are significant errors in this paper which detract from the originality and thought invested by the author. These errors are in matters that are fundamental and often considered elementary.

The author fails to distinguish between total energy and energy density. Energy obeys a conservation law, energy density a continuity law. Thus energy density may vary along the axis of a light wave, and does in linear polarization (like $\sin^2 z$) and in light pulses, without any violation of energy conservation. The author mistakenly interprets this variation as a violation of energy conservation and invents new energy distributions and mass distributions to compensate for this variation.

This mistake at the beginning (after equation (1)) unfortunately vitiates the entire work.

From the view-point of the average PR reader, the whole work is at an elementary level. The author appears naive in supposing the Maxwell theory of light is vulnerable at such a basic point, and in not checking his work more with other physicists before submitting it for publication.