

January 1, 1991

Mr. Pat Delgado and Mr. Colin Andrews  
c/o Bloomsbury Publishing Ltd.  
2 Soho Square  
London W1V 5DE, England

Dear Authors:

Your book "Circular Evidence" clearly points to one of the most intriguing natural problems or puzzles that I have ever encountered. There are many interesting questions brought out in your work; however, those that are of most interest to me relate directly to the morphological changes within plants growing in the circles and the subsequent plant development. My reason for writing you is to explain my purpose in delving into these plant structure-related problems and to ask you where I might obtain seed and plant tissue from the circles and surrounding regions, to be used as research material.

Perhaps it would be best at this point to give you a very brief background into my current research efforts and interests. In general my studies are mainly concerned with bioelectrochemical energetics in plants and plant tissue structures. A number of years ago I obtained a patent on an "Automatic Seed Analyzer" which is based on an electronic system for examining the tissue integrity and membrane breakdown in the seed. This instrument is being currently produced and sold worldwide by Neogen Food Tech. Inc., in Lansing, Michigan. My reason for mentioning this is that in the course of developing this device a special alloy was found which was very sensitive to redox reactions occurring in the developing or germinating seed and seedling. This work was published in 1988 in the peer reviewed, Journal of Bioelectrochemistry and Bioenergetics (reprint enclosed). Also, at the present time I have work "in press" which relates to the effect of electric currents on organelles in plant cells.

From these comments I am sure you can understand my interest in a detailed examination of seeds and tissue from the circles. In the case of seeds I plan to explore the germination characteristics within material removed from the circle (hopefully taken near the epicenter) and make comparisons with the normal metabolic cycles in seeds removed from the same field but well outside the circles (controls). If differences are seen then we may have some clue as to the form or type of energy involved in the circle formations. Since this work was started a number of year ago I have a considerable data base and research results from grain crop seeds and other species (much more than indicated in the reprint). This method also allows one to examine very subtle physiological alterations occurring in the development of the more mature seedlings.

In the TV program "Unsolved Mysteries" which aired a few months ago the comment was made that "cells of plants within the circle had been altered". Apparently this was based on photomicrographs of "plant cells". After a careful examination of a VCR tape of this program it appeared to me that what was shown

here was not plant cells, but rather, inorganic crystals of druses or raphid idioblasts (formed from calcium or silica salts) which under certain field conditions are deposited within the cytoplasm of the plant cells. If this is indeed the case then it would be a very shaky supposition to attribute these formations to something unusual occurring in the circle since they normally can take many forms and shapes.

If some form of electromagnetic energy is involved in the formation of these circles then (based on what I am finding in recent research) there is a good chance that the intracellular spatial associations between organelles would be quite different in plant tissues from the circle regions than in tissues from normally growing plants. What would be required here are plants from circles which clearly have the bend distortion and are growing in this horizontal position. And of course I would need the normal control plants growing outside the circle. In the case of seeds and plants any available phenological information should be included as well as time, place, location in field etc.

As you will note I have my own consulting laboratory, therefore I can work on this material how and as I see fit. You both may have some other ideas that you might want me to think about, if so I would be happy to hear from you. This proposed study is being presented now so that we might obtain plant and seed material from next years growing season. Will be looking forward to hearing from you.

Sincere regards,

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