

May 26, 2008



To Whom It May Concern:

Regarding: NEW ASPECTS REGARDING FUNCTIONING OF BIOLOGICAL SYSTEMS

I am writing to express my support for the work of Mr. Rafik Sargsyan and his bioscope project. I was introduced to this project through my student Hovhannes Grigoryan, who I recruited from Armenia to be a graduate student at Louisiana State University (LSU) working with my research group. Hovhannes, who will complete his Ph.D. work this summer and which has been carried out in conjunction with colleagues at the Jefferson National Laboratory, has continued to be the liaison between my group and Rafik Sargsyan and the bioscope team in Armenia.

The investigations performed by Mr. Rafik Sargsyan have resulted in the development of rather sophisticated device, the bioscope. In its latest rendition, the bioscope gives a reliable differential signal when biological objects (human hand, laboratory animal, plants, etc.) are encountered and no such reading in the presence of other (non-biological) objects at environment temperatures. When non-coherent light is used as a light source in the Bioscope the changes in amplitude of photo-detector signals are registered, while with a coherent light generation source pronounced oscillations are generated.

Experiments show that the bioscope signals are changed without any known interaction between the device and the object being studied. The repeatability of the observed phenomena suggests that biological systems exert a remote action of unknown nature on the surrounding objects. The bioscope signals are changed with variation in the physiological state of the system studied, and this opens the possibility of using the device to give a remote estimation of organism's functional state. In particular, a study of influence of stresses and some pharmacological preparations on the physiological state of rats shows a high sensitivity and selectivity of the device's signal to the various impacts on the rat's state.

It seems this work may lead to new directions for biological investigations and re-consideration of some principles related to the functioning of living systems.

Sincerely,

A handwritten signature in black ink, appearing to read "Jerry P. Draayer", with a long, sweeping underline.

Jerry P. Draayer,

Roy P. Daniels Professor of Physics and Computer Science &  
Distinguished Research Master at the Louisiana State University,  
President & CEO, Southeastern Universities Research Association