



Animal Electricity: How We Learned That the Body and Brain Are Electric Machines

By Robert B. Campenot

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Like all cellular organisms humans run on electricity. Cells work like batteries: slight imbalances of electric charge across cell membranes, caused by ions moving in and out of cells, result in sensation, movement, awareness, and thinking—the things we associate with being alive. Robert Campenot offers an accessible overview of animal electricity.

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Editorial Review

Review

This is a good book. Its mix of schoolroom electricity and sophisticated cell biology is highly eccentric but this, I think, speaks much in Campenot's favor. (Simon Ings *New Scientist* 2016-03-12)

Dr. Campenot's writing is clear and effective and conveys the excitement of scientific discovery and the fascinating complexity of the living organism. (Jonathan Dostrovsky, Department of Physiology and Faculty of Dentistry, University of Toronto)

A beautifully written, authoritative, and thoroughly engaging account of the electrical properties of nerve cells and what they accomplish. All of us?but especially students?will be reminded of the way progress understanding the nervous system actually unfolds, today's hyperbole notwithstanding. (Dale Purves, M.D., Geller Professor of Neurobiology, Duke Institute for Brain Sciences)

About the Author

Robert B. Campenot is Professor Emeritus in the Department of Cell Biology at the University of Alberta.

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