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# Prokaryotology: A Coherent View (Les Presses De L'universite De Montreal)

*Sorin Sonea, Leo G. Mathieu*

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**Sorin Sonea, Leo G. Mathieu : Prokaryotology: A Coherent View (Les Presses De L'universite De Montreal)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Prokaryotology: A Coherent View (Les Presses De L'universite De Montreal):

Prokaryotes are profoundly original, highly efficient microorganisms that have played a decisive role in the evolution of life on Earth. Although disjunct, taken together their cells form one global superorganism or biological system. One of the results of their non-Darwinian evolution has been the development of enormous diversity and bio-energetic variety. Prokaryotic cells possess standardized mechanisms for easy gene exchanges (lateral gene transfer) and they can behave like receiving and broadcasting stations for genetic material. Ultimately, the result is a global communication system based on the prokaryotic hereditary patrimony, by analogy, a two-billion-year-old world wide web for their benefit. Eukaryotes have evolved from the association of at least three complementary prokaryotic cells, and their subsequent development has been enriched and accelerated by symbioses with other prokaryotes. One of these symbioses was responsible for the origin of vascular plants which transformed vast sections of the continental surface of the Earth from deserts to areas with luxuriant, life-supporting vegetation. All forms of life on our planet are directly or indirectly sustained and enriched by the positive contribution of prokaryotes. Sorin Sonea and Lo G.

Mathieu have been professors at the Department of Microbiology and Immunology (Faculty of Medicine) at the Universit de Montral. They have long been advocates of the ideas presented in this book.