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**Schrödinger's Magnetic Ambitions: His Attempts in the 1940s to Understand Terrestrial Magnetism through a Unitary Field Theory.** PAUL HALPERN, University of the Sciences in Philadelphia — In 1943, Schrödinger presented several papers to the Royal Irish Academy outlining his efforts to unify electromagnetism, gravitation, and what is now known as the strong force in a Unitary Field Theory. To furnish experimental proof for his ideas, he suggested that variations in Earth's magnetic field might be understood through his theoretical notion that electromagnetism is attenuated by a kind of cosmological constant. We'll explore the nature and context of his proposal and examine reactions to his assertions.

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