



## Inventing Atmospheric Science: Bjerknes, Rossby, Wexler, and the Foundations of Modern Meteorology (Hardback)

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By James Rodger Fleming

MIT Press Ltd, United States, 2016. Hardback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book. The goal of meteorology is to portray everything atmospheric, everywhere, always, declared John Bellamy and Harry Wexler in 1960, soon after the successful launch of TIROS 1, the first weather satellite. Throughout the twentieth century, meteorological researchers have had global ambitions, incorporating technological advances into their scientific study as they worked to link theory with practice. Wireless telegraphy, radio, aviation, nuclear tracers, rockets, digital computers, and Earth-orbiting satellites opened up entirely new research horizons for meteorologists. In this book, James Fleming charts the emergence of the interdisciplinary field of atmospheric science through the lives and careers of three key figures: Vilhelm Bjerknes (1862--1951), Carl-Gustaf Rossby (1898--1957), and Harry Wexler (1911--1962). In the early twentieth century, Bjerknes worked to put meteorology on solid observational and theoretical foundations. His younger colleague, the innovative and influential Rossby, built the first graduate program in meteorology (at MIT), trained aviation cadets during World War II, and was a pioneer in numerical weather prediction and atmospheric chemistry. Wexler, one of Rossby's best students, became head of research at the U.S. Weather Bureau, where he developed...



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