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The Book Corner

History of Wireless, T. K. Sarkar, R. J. Mailloux, A. A. Oliner, M. Salazar-Palma, and D. L. Sengupta, Eds.; Wiley-Interscience Publ., Hoboken, New Jersey, 2006. Price: US\$ 59.95.

Wireless technology has experienced explosive growth in recent years and now comprises a major share of the telecommunications industry. Cell phones and wireless networking are commonplace. *History of Wireless* is a comprehensive treatment of its evolution. The editors and authors of the volume have done an outstanding job of introducing previously unacknowledged pioneers and developments of this technology.

The book expertly explores magnetism, electricity, and light, covering the widely recognized accomplishments and contributions of such pioneers as James Clerk Maxwell, Heinrich Hertz, Guglielmo Marconi, Oliver Heaviside, Nikola Tesla, and the unsung hero Antonio Meucci who was the actual inventor of the telephone.

The *History of Wireless* includes a well written, comprehensive coverage of German, Japanese, and Soviet contributions to the physics and applications of electromagnetic oscillations and waves; wireless telegraphic and telephonic developments and attempts to achieve transatlantic wireless communications; wireless telegraphy in South Africa in the early 20th Century; antenna development in Japan; Soviet quasi-optics at near-mm and sub-mm wavelengths; the evolution of electromagnetic waveguides; and the development of phased arrays.

This insightful, well written volume will appeal to a broad scientific audience and is sure to become a classic in its field.

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