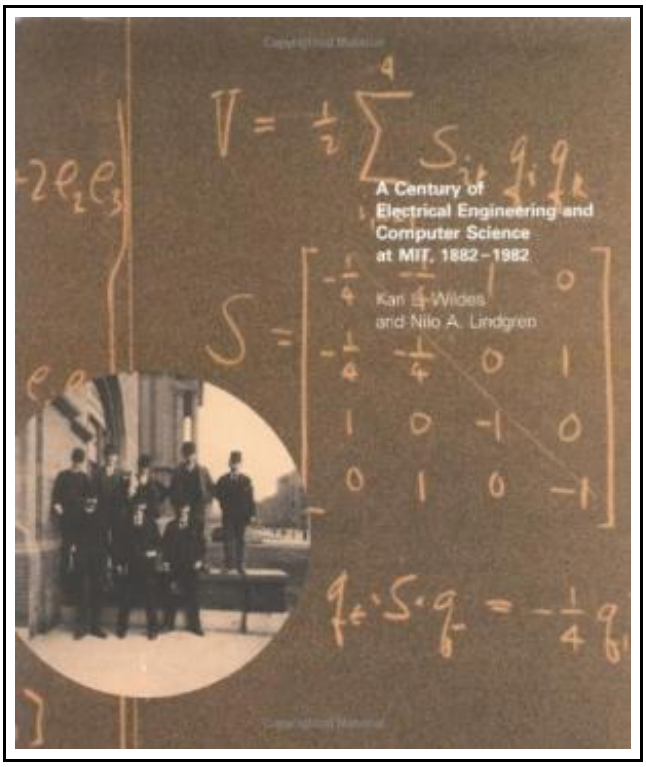
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MIT Press Ltd, United States, 1985. Hardback. Book Condition: New. 263 x 221 mm. Language: English . Brand New Book. Electrical engineering is a protean profession. Today the field embraces many disciplines that seem far removed from its roots in the telegraph, telephone, electric lamps, motors, and generators. To a remarkable extent, this chronicle of change and growth at a single institution is a capsule history of the discipline and profession of electrical engineering as it developed worldwide. Even when MIT was not leading the way, the department was usually quick to adapt to changing needs, goals, curricula, and research programs. What has remained constant throughout is the dynamic interaction of teaching and research, flexibility of administration, the interconnections with industrial progress and national priorities. The book s text and many photographs introduce readers to the renowned teachers and researchers who are still well known in engineering circles, among them: Vannevar Bush, Harold Hazen, Edward Bowles, Gordon Brown, Harold Edgerton, Ernst Guillemin, Arthur von Hippel, and Jay Forrester. The book covers the department s major areas of activity -- electrical power systems, servomechanisms, circuit theory, communications theory, radar and microwaves (developed first at the famed Radiation Laboratory during World War II), insulation and dielectrics, electronics, acoustics, and computation. This rich history of accomplishments shows moreover that years before Computer Science was added to the department s name such pioneering results in computation and control as Vannevar Bush s Differential Analyzer, early cybernetic devices and numerically controlled servomechanisms, the Whirlwind computer, and the evolution of time-sharing computation had already been achieved.

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