

# Abstracts

## Milestones of microwaves

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*H. Sobol and K. Tomiyasu. "Milestones of microwaves." 2002 Transactions on Microwave Theory and Techniques 50.3 (Mar. 2002 [T-MTT] (50th Anniversary Issue)): 594-611.*

This paper presents a compilation of the important milestones in the development and applications of microwave technology from the time of Hertz until 1980. The years from 1980 to the present are not addressed since this period will be covered in depth in other papers of this Transactions. The primary technology areas addressed are electromagnetics, guided microwave structures, free-space propagation, power generation using tubes and solid-state devices, passive devices, microwave integrated circuits, ferrites, microwave acoustics, and microwave biological effects. The primary application areas are communications, radar, heating, and medical applications. Design techniques, measurements, and instrumentation are also discussed.

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