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Written in the lucid style of the author's many best-selling books "popularizing" mathematics, *The logician and the engineer* pays homage to the careers of George Boole and Claude Shannon in their pioneering work presaging the modern computer era. After two fascinating mini-biographies, the author turns his attention to switching circuits, combinatorial and sequential logic design, probability and information theory, each impacted by the significant contributions of Boole and Shannon. Interesting and informative chapter-ending notes enhance and expand the scope of the investigations, often providing technical details that would otherwise have impeded the flow of the narrative. Most valuable to this reviewer, and likely to many potential readers, is the closing chapter, aptly titled "Beyond Boole and Shannon". Here is provided an introduction to quantum computing and its logic, possibly portending the future of computers, yet unmistakably bearing the footprints of the two early pioneers. It is an unexpected yet fitting conclusion to this thoroughly enjoyable read.

Ronald E. Prather

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