**The Mathematics of Wireless, Ralph Stranger, 1932, 3rd edition reprinted 1947**

Ralph Stranger is the pen name of Ralph Judson, an electrical engineer and popular British science writer in the 1930's and '40's.

This text is the author's attempt to explain, as he says, to the 'man on the street', the basics of the math behind electrical circuit design and radio communication from “nibbles of” simple algebra, trigonometry, and differential and integral calculus. It's an interesting self-study book and fun to read, but I can't tell whether he succeeded or not. This review will only consider Chapter 19 entitled, “The Slide Rule”.

As with the rest of the book, the chapter is aimed at readers who aren't mathematicians. Only the basics are covered: multiplication; division; squares, cubes and their roots; and the use of the S, L, and T scales. No trig or log applications are discussed in this chapter. No exercises or problem sets are provided; this is simply an overview.

No particular slide rules or manufacturers are mentioned. The scale set and illustrations used are of a simple Mannheim rule (no CI or K scale).

The book contains a useful 4-page index.

Steve K. Seale. 2013