



PRODUCT SUMMARY



LITTON INDUSTRIES ELECTRON TUBE DIVISION

COVER DESIGN NOTE:

The front cover design is based on the principle of a "perfect rectangle." Such rectangles are composed of squares of integer dimension, no two of which are of the same size. In this particular case, the rectangle measures 176×177 , and is of the eleventh order made up of squares having dimension 9, 16, 21, 25, 34, 41, 43, 57, 77, 78 and 99.

Many of the known perfect rectangles were discovered as a result of an ingenious application of Kirchhoff's Laws.

For additional reference: "Mathematics: The Man-made Universe," by Sherman K. Stein (Chapters 6 and 7). Also, a description of the search for a perfect square by a group of British graduate students is given in the Mathematical Games Dept. of SCIENTIFIC AMERICAN, November, 1958.