

somewhat more complexity. In this note a simple proof is given for the functions of several variables.

55. Mr. Alonzo Church: *On irredundant sets of postulates.*

A set of postulates is irredundant if the postulates are independent and no one of them can be replaced in the set by a weaker postulate in such a way that none of the implications of the set are lost. A necessary and sufficient condition that a set of postulates be irredundant is that the negatives of every two be contradictory. This paper contains an irredundant set of postulates for the system of positive and negative integers, and this set is shown to be categorical. The general problem is proposed to find irredundant sets of postulates of not too complicated form.

56. Professor Edward Kasner: *Null surfaces.*

The author means by a null surface one whose ds^2 vanishes identically. Such surfaces do not exist in three-space, but do exist in space of four or more dimensions. Geometry in a null plane or surface must be distinguished from geometry in a minimal plane or developable. Null m -spreads in a given n -spread are discussed.

R. G. D. RICHARDSON,
Secretary.

A CORRECTION

BY D. N. LEHMER

On page 401 of volume 8 of this BULLETIN (June, 1902), there is a list of errors in Legendre's tables of linear divisors of quadratic forms. The correction stated under the heading III is wrong. The form $172x + 147$ is correct for the form $t^2 - 43u^2$.