LIST OF SYMBOLS AND THEIR DESIGNATIONS

$=$	Designates the relation of identity
$\neq$	Designates the relation of diversity
$\sim$	Negation operation
$\vee$	Universal class or sum hold between any two individuals
$\wedge$	Null set or Conjunction
R'	Complement
$\lhd$	Negation relation
I	Identity relation between two individuals
D	Diversity relation
$\breve{R}$	Converse relation
$\subset$	Subordination
$\supset$	Super-ordination
$\in$	Belongs to, membership
#	Number
$\cup$	Union of two functions
$\cap$	Intersection of two functions

$\Rightarrow$	Implies
$\rightarrow$	If then
$\Leftrightarrow$	If, and only if
.	And, Conjunction
$\angle'$	Designates
$\equiv$	Equivalence

1. Epimenides

Epimenides the Cretan said "All Cretans are liars".

Alluded to in St. Paul's epistle

2. A man says that he is lying. Is what he says true or false ?

Attributed Eubulides by Cicero,

Prior Academics, II, p.96

3. Let w be the class of all those classes which are not members of themselves. Then, whatever class x may be, 'x is a w' is equivalent to 'x is not an x'. Hence, giving to x the value w, 'w is a w' is equivalent to 'w is not a w'.

Principia Mathematica, I, p.60