Introduction/Survey of Woodard's Mathematics

In the following discussion of Woodard's mathematics, I will discuss the Jordan-curve theorem: what it states, how it is applied, and what Woodard did to prove it. This theorem was the basis of one of Woodard's three papers, <u>On two dimensional analysis situs with special reference to the Jordan-curve theorem</u>. Woodard was able to develop a concrete proof of this theorem after much hard work and time. He was also one of the first mathematicians to call this concept by the name Jordan-curve theorem.