The wave interpretation: This is the position proposed in the present theory, in which the wave function itself is held to be the fundamental entity, obeying at all times a deterministic wave equation. This view also corresponds most closely with that of Schrödinger. However, this picture only makes sense when observation processes themselves are treated within the theory, since it is only in this manner that one can see that objects etc. will appear to have definite positions etc. in the wave theory. Even though the waves are continuous, their behavior shows that the continuous wave mechanics could not explain the discontinuities which are everywhere observed. The wave picture is definitely tenable and, we believe, the simplest complete, self-consistent theory.

The "quantum jumps" exist in our theory as relative phenomena. The state of an object system relative to chosen observer states show this effect, while the absolute states change quite casually.
For further criticism of the usual interpretation the reader is referred to the original papers by Bohr [7], Weiner [7], Schrödinger [7], Einstein [7], and for further criticism of alternate views from the standpoint of Copenhagen scheme see Heisenberg [7].

For further details, criticisms, and studies of the various interpretations the reader is referred to the original articles by Einstein [7], Bohr [7], Dolm [7], Weiner [7], Schrödinger [7], Bopp [7], and Heisenberg [7].