Comment on Stern's Letter

1. True, every observer given many connotations, but all these connotations can be used consistently within the scheme of Chap. 14 (abstract disc. of observation). Such usage deliberate to show how general the treatment is. Technically, "observer" can be applied to any physical system capable of changing its state to new state with some fairly permanent characteristics which depend upon the object system (with which it interacts), i.e., any measuring apparatus could be called observer and criteria for observer seem as for meas. app. Only possible distinction is often we might reserve word "observer" for more complex automatic mechanism capable of carrying out action according to its past experience. Dictionary meaning must also be included since otherwise human observer does ordinary phys. system and PPP violated.
2. Statistical ensemble of observers is within the context of the theory, a real in distinction to a virtual, ensemble.

3. Steam's remarks about misunderstanding of fundamental views of measurement proc. indicate rather clearly that he has had insufficient time to read the entire work. Several readings on his part seem to be called for.

Also -- Steam is quite guilty of these remarks of begging the question -- one of the fundamental motivations of the paper is the question of how can't be that macro measurements are irreversible, the answer to which is contained in my theory, but is a serious lacuna in the other theory.