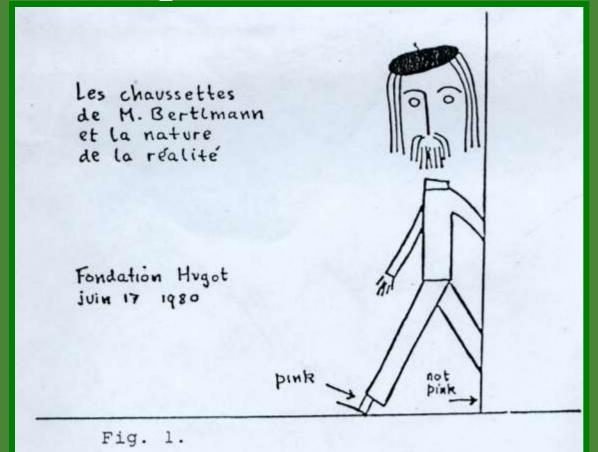


John Stewart Bell

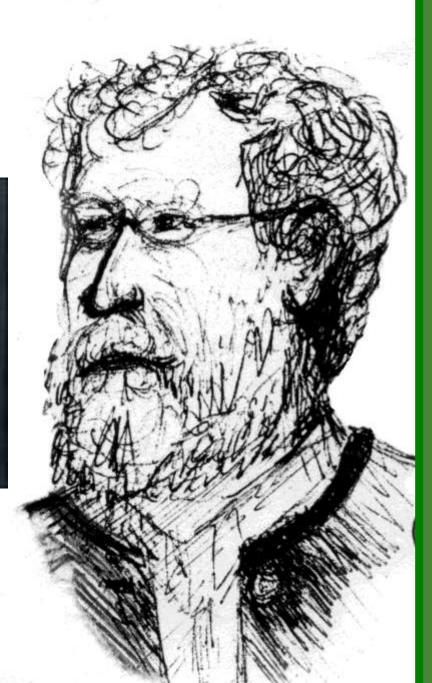
Bertlmann's socks and the nature of reality





Anton Zeilinger





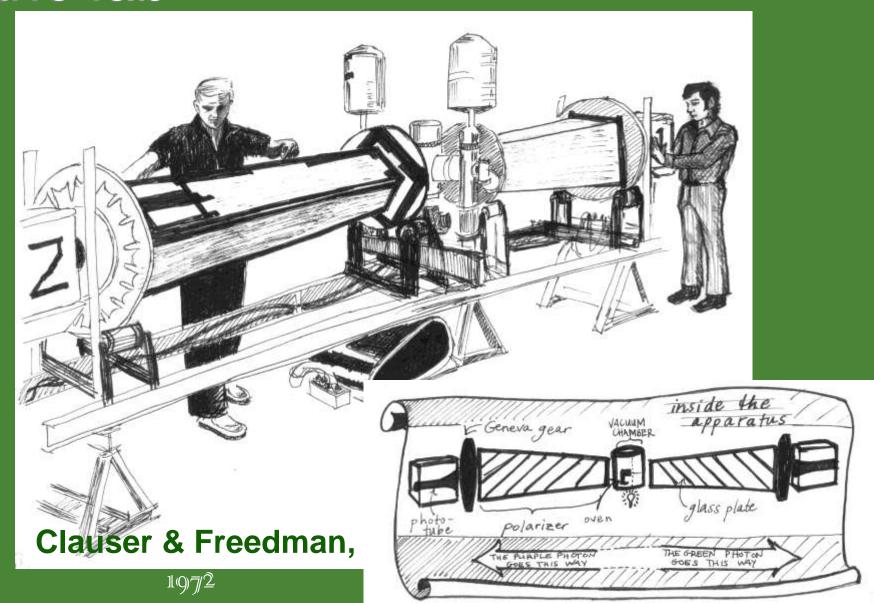


Gisim's lab:



Bernex

Quantum philosophy enters the lab

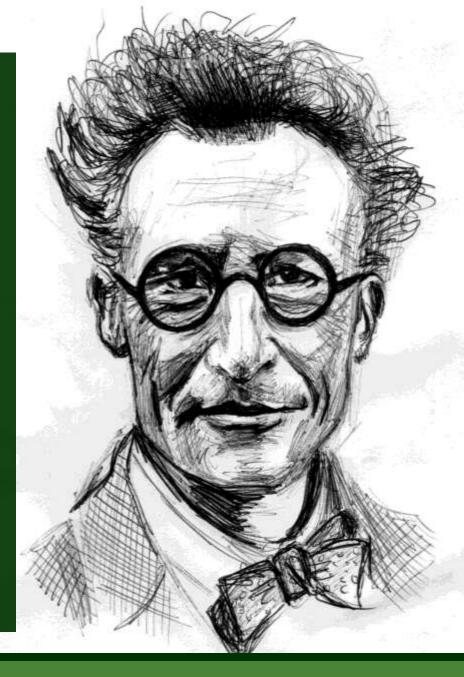


The peculiar situation is:

the best possible knowledge of a whole does not necessarily include the best possible knowledge of all its parts,

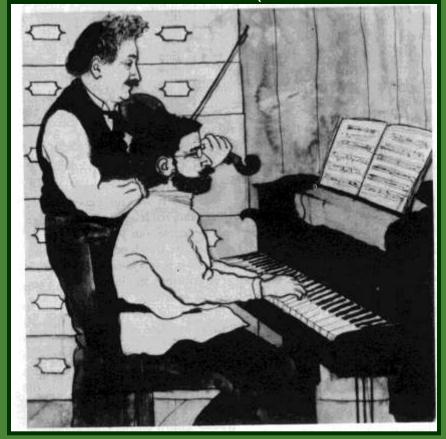
even though they may be entirely separated....

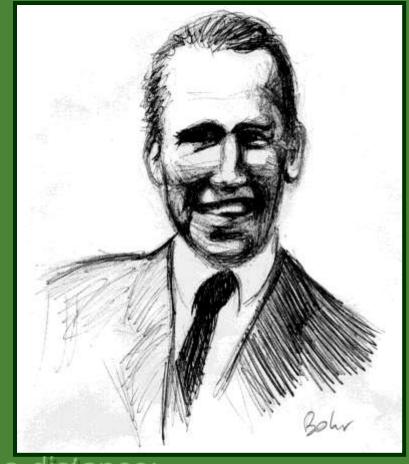
-Schrödinger, 1935.



Einstein vs. Bohr

(with Ehrenfest caught in the middle)



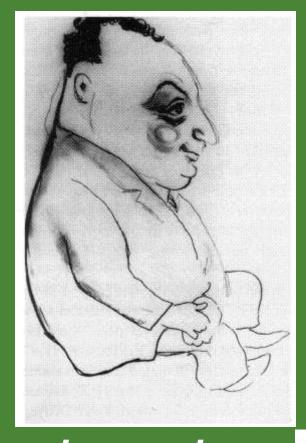


Spoolky action-at-a-distance:

"No reasonable definition of reality could be expected to permit this." -Einstein

"This resignation as regards to visualization...is an essential advance." -Bohr

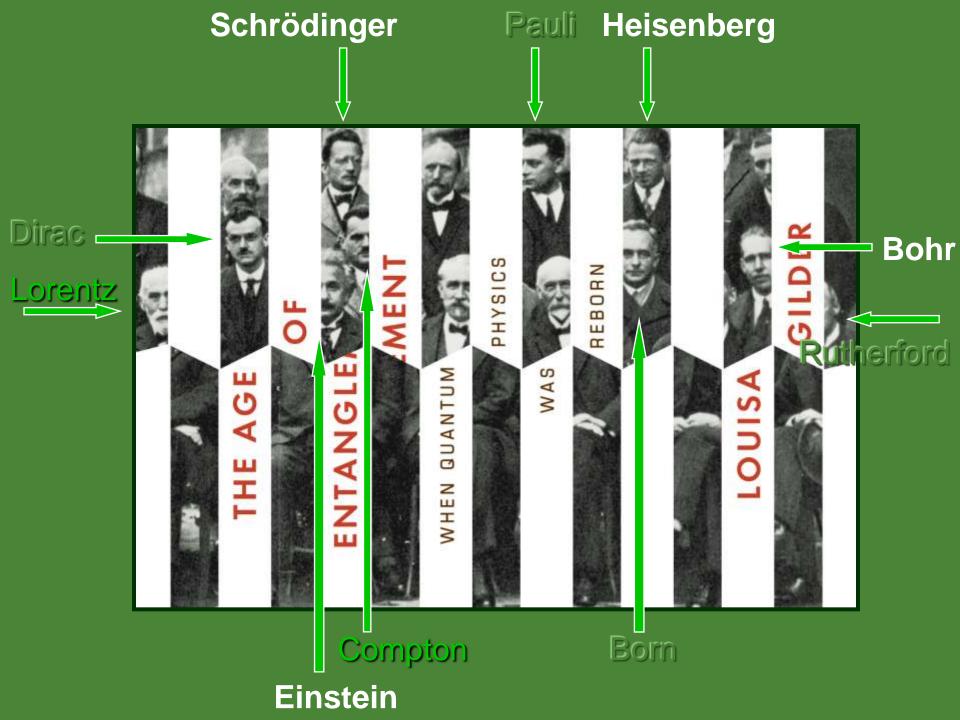




die Knaben der Quantenmechanik

(In 1925, Heisenberg was 24, Pauli was 26, & Dirac was 23.)





of the Heisenberg uncertainty principle:

two pictures are both necessary,

but they are also mutually exclusive-
the more you have of one,

the less you have of the other.

"Truth & clarity are complementary."
-Niels Bohr

"Well, I'd rather be clear & wrong than vague & right."

- John Bell