



Source: Popp, *Biologie des Lichts*, 1984

Figure 3 SCHEMATIC OF POPP'S PHOTOMULTIPLIER *Popp and his colleagues built a high-sensitivity light amplifier, shown here schematically, which can reliably measure the extremely weak light emission of biological experiments. A quartz cuvette is located in the enclosed part of the apparatus before a concave mirror, which also directs the reflected rays to the light detector. A colored filter can select specific wavelengths, and the alternating light and dark ("chopper") plate allows a separation between actual signals from the probe and spurious light from the apparatus itself.*

Source: Popp, *Biologie des Lichts*, 1984