The Many "Fathers" of QM

- 1900 Planck "solves" the blackbody problem by postulating that the oscillators in the walls have quantized energy levels.

"Until after some weeks of the most strenuous work of my life, light came into the darkness, and a new undreamed-of perspective opened up before me…the whole procedure was an act of despair because a theoretical interpretation had to be found at any price, no matter how high that might be."

- 1905 Einstein proposes that light energy is quantized – "photons"
- 1913 Bohr proposes that electron orbits are quantized
- 1923 de Broglie proposes that particles behave like waves
- 1925 Pauli introduces "exclusion principle" – only 2 electrons/orbital
- 1925 Heisenberg introduces matrix-formulation of QM
- 1926 Schrödinger introduces the wave-formulation of QM