MISCELLANEOUS SCIENCE III

Putting oneself into orbit is common among people who find themselves immersed in a mediocre collective ether.

Luckily I can take on a duty towards society even though I don't have to look for trouble.

Satisfied and full of joy for the quality of my progress and clear concepts. Until things get even I will never be able to explain anything to randomly chosen people hoping they will listen to me.

Is exhaustion true? It makes me paranoid. Only when I rest will I be able to recharge my batteries.

It seems right to me to find new horizons by first assuming and then proving.

$$\begin{pmatrix} n & 0 & 0 & 0 \\ 0 & l & 0 & 0 \\ 0 & 0 & m_l & 0 \\ 0 & 0 & 0 & m_s \end{pmatrix}$$ matrix representing each electron.

In a rigid rotor and without taking into account the potential U(r):

$$\begin{pmatrix} \vec{\nabla}^2(x,y,z) & 0 & 0 \\ 0 & \Phi^2(\theta,\varphi) & 0 \\ 0 & 0 & (\frac{\partial}{\partial r})^2 \end{pmatrix} \begin{pmatrix} \psi(x,y,z) & 0 & 0 \\ 0 & \psi(\theta,\varphi) & 0 \\ 0 & 0 & \psi(r) \end{pmatrix} = \begin{pmatrix} E_t & 0 & 0 \\ 0 & E_r & 0 \\ 0 & 0 & E_v \end{pmatrix} \begin{pmatrix} \psi(x,y,z) \\ \psi(\theta,\varphi) \\ \psi(r) \end{pmatrix}$$

Where $\vec{\nabla}^2(x,y,z)$ →3-D translation

$\Phi^2(\theta,\varphi)$ →2-D rotation

$(\frac{\partial}{\partial r})^2$ →1-D vibration

Where $E_T = E_t + E_r + E_v = \left(\frac{1}{2}\right) m.\nabla^2 + \left(\frac{1}{2}\right) m.r^2[\,\dot{\theta}^2 + Sin^2\theta.\dot{\varphi}^2] + + \left(\frac{1}{2}\right) m.\dot{r}^2$