

- First lecture note on 'bacteria': from 1956 (published in *Microscopy Today* 25 (06): 48-53, 2017)

Some years at P. Laro we grew *Mucor*. Interested, grew more. Died until lecture @ Cardiff in Sept. Since then, learned the much: Bact line, i.e. must have food. No good school, dinner, basic ingredients one nutrient (food) & water (drink) add ~~egg~~ gelatin to solidify. But this melts at 40°C, so use agar instead. Unit melt until 100°C. This is good for molds & bact, so add some Peptone (1%). Bact don't like this, bact do. But molds don't like alkaliine food, either, so use Na_2CO_3 soln to pH 8. Explain pH.

show how to make media, pour into plates, TT. sterilization, inoculation, holding, care, sterilization of TT & culture vessel, air plates, soil plate. Use this (example of air) & this (example of soil). Point out types of bact. in each. Then inoculate into a TT same bact. Show specimens, ~~note~~. How to make up slides, staining, Linda Balsam. Then show specimens under microscope for afterwards. Questions? *azotobacter-chroococcum*, brown or black. - *beijerinckii*, yellow pigment & solids.