

Dates of important chemical events of 50, 100, 150 ... years ago from 2000

Biochemistry

3900 years ago

1900 BC

- King Senwosret III conducts a beer brewery and a tannery

350 years ago

1650

- *François de le Bod (Sylvius)* finds a chemiatic system in which he a.o. attributes special medical properties to potassium chloride. He discovers lymph vessels in the liver
- *Thomas Wharton* edits an important book on glands in which he describes the thymus-, pancreas- and submaxillar glands

200 years ago

1800

- *Louis Nicolas Vauquelin* and *Michel Frangois Buniva* discover allantoin in the amnios liquid of cows

150 years ago

1850

- *Huxtable* and *H S Thomson* demonstrate the absorption of the ground for liquid manure and exact defined substances as ammonia and ammonium salts
- *Hermann von Helmholtz* demonstrates the changing of the chemical composition of the muscles in the case of work performance
- *Johann Joseph Scherer* discovers hypoxanthine or sarkin in human and animal milk
- *Johann Florian Heller* fixes thoroughly the analyses of urea
- *Hermann von Fehling* discovers the alkaline solution of copper sulphate as a test on dextrose

100 years ago

1900

- *James Dewar* demonstrates the preservation of germination of wheat, barley, mustard, peas and pumpkin in liquid hydrogen of -250°C -
- *Schumburg* discovers that free bromine is capable of killing pathogenic germs in water
- *Kastle* and *Loevenhart* demonstrate that lipase of the pancreas is capable of forming esters from fatty acid and alcohol

- *Albert Hesse* demonstrates that jasmine oil contains 25% indole and a little amount of the methyl ester of anthranilic acid. These compounds are responsible for the perfume of the blossoms
- *Martin Jacoby* researches auto-digestion (autolyse) of the liver and is able to split urea and hippuric acid
- *F Volhard* demonstrates that the human gastric juice contains a very powerful fat-splitting enzyme called pepsin
- *Richard Willstätter* synthesises cocaine
- *Withelm Traube* synthesises zanthine

50 years ago

1950

- *Hans Karl August Sion von Euler-Chelpin* and *H Hasselquist* edit "Reduktone, Ihre chemischen Eigenschaften und biologischen Wirkungen"
- *R Tschesche* edits "Über den biochemischen Wirkungsmechanismus von chemotherapeutica and antiseptica"
- *René Antoine F de Réaumur* promotes artificial brood by bringing chicken eggs in a wooden cupboard surrounded with fresh fertilizer of horses
- *H Brockmann* isolates rhodomycine, a new antibiotic, as a red crystalline dyestuff
- *H Schultze* studies plasma protein
- *A C Finlay* isolates the antibiotic terramycine
- *Arnstein* and *R Bentley* conduct syntheses and biosyntheses with isotopes, as deuterium ^2H , ^{13}C , ^{14}C and ^{15}N