

# Christopher J. Moody – Chemical genealogy

**Christophe GLASER**

1615-1678

MD, Basel, ca. 1640



**Nicolas LÉMERY**

1645-1715

Apoth, Paris, ca. 1667



**J G SPITZLEY**

ca. 1690-1750

Apoth, Paris, ??



**Guillaume ROUELLE**

1703-1770

Apoth, Paris, 1725



**Jean B BUCQUET**

1746-1780

MD, Paris, 1770



**Antoine de FOURCROY**

1755-1809

MD, Paris, 1780



Described preparation of  $\text{AsCl}_3$  and  $\text{K}_2\text{SO}_4$  (glaserite)



First to distinguish between vegetable and mineral chemistry; produced  $\text{H}_2\text{SO}_4$



Father of French school of chemistry; first to distinguish acid and basic salts; proposed theory of distillation



Collaborated with Lavoisier; showed  $\text{CO}_2$  was acidic; analysed opium; discovered morphine; studied  $\text{NH}_4\text{Cl}$



Advocate of Lavoisier; co-discovered Ir; studied chemistry of urea and chlorine; co-founder of modern nomenclature



**Louis N VAUQUELIN**  
1763-1829  
MA, Paris, 1790



Discovered Cr, and first amino acid (asparagine) from asparagus; isolated camphoric and quinic acids from natural sources.

**Friedrich STROMEYER**  
1776-1835  
MD, Göttingen, 1800



Discovered Cd; started first German University chemistry teaching lab; first to use starch as reagent for iodine. Robert Bunsen was also his student.

**Leopold GMELIN**  
1788-1853  
PhD, Göttingen, 1812



First to recognise importance of C in organic compounds; coined words ester and ketone; discovered ferricyanide and taurine; advocated H-1 standard for atomic weights

**Friedrich WÖHLER**  
1800-1882  
MD, Heidelberg, 1823



Medical student at Heidelberg where Gmelin was Professor of Chemistry. Discovered Al, Be and hydroquinones; famous 1828 synthesis of urea from ammonium cyanate.

**Heinrich LIMPRICHT**  
1827-1909  
PhD, Göttingen, 1850



Discovered furan; investigated chemistry of furan, pyrrole, thiophene, uric acid, chloro- aromatics, alanine; synthesis of anthracene and diphenylacetylene.

**Hans von PECHMANN**  
1850-1902  
PhD, Griefswald, 1875



Discovered diazomethane and the coumarin and pyrazole syntheses named after him; first preparation of 1,2-diketones.

**William H MILLS**  
1873-1959  
ScD, Tübingen, 1901



Stereochemistry, isomerism in oximes; spirocycles; restricted rotation in biphenyls; cyanine dyes (as consequence of WW1).

**Bernard C SAUNDERS**  
1903-1984  
PhD, Cambridge, 1931



Educated Manchester Grammar School and Cambridge; co-author of *Practical Organic Chemistry* (Mann & Saunders); worked on alkyl phosphorofluoridates during WW2; oxidation reactions catalysed by peroxidase. After retirement, qualified in medicine.

**Norman B CHAPMAN**  
1916-  
PhD, Cambridge, 1941



Educated Barnsley Grammar School and Cambridge; Southampton (1947-55); Hull (1955-1982). Physical organic chemistry, alcoholysis of epoxides, separation of polar and steric effects, cubane, medicinal chemistry. Opera lover.

**Charles W REES**  
1927-2006  
PhD, London, 1953  
(Southampton)



Educated Farnham Grammar School, University College Southampton, ANU. Birkbeck (1955-57), King's College (1957-65), Leicester (1965-69), Liverpool (1969-78), Hofmann Professor Imperial College (1978-93), Emeritus Professor. FRS (1974), CBE (1995).

**Christopher J MOODY**  
PhD, Liverpool, 1976