

NAMED ORGANIC REACTIONS

(A – D)

© Dr. John Andraos, 2000 - 2014

Department of Chemistry, York University
4700 Keele Street, Toronto, ONTARIO M3J 1P3, CANADA

For suggestions, corrections, additional information, and comments please send e-mails to c1000@careerchem.com

<http://www.chem.yorku.ca/NAMED/>

Emil Abderhalden

9 March 1877 – 5 August 1950

Swiss, b. Ober-Uzwil, St. Gallen, Switzerland

Abderhalden ninhydrin reaction

Ruhemann, S. *J. Chem. Soc.* **1910**, 97, 2025

Ruhemann, S. *J. Chem. Soc.* **1911**, 99, 792; 1486

Abderhalden, E.; Schmidt, H. *Z. Physiol. Chem.* **1911**, 72, 37

Abderhalden, E.; Schmidt, H. *Z. Physiol. Chem.* **1913**, 85, 143

Abderhalden, E.; Andryewsky, P. *Muench. Med. Wschr.* **1913**, 60, 1641

Abderhalden, E.; Weil, A. *Muench. Med. Wschr.* **1913**, 60, 1703

Abderhalden, E. *Z. Physiol. Chem.* **1913**, 81, 90

Abderhalden, E. *Muench. Med. Wschr.* **1913**, 59, 2172

Abderhalden, E. *Muench. Med. Wschr.* **1913**, 60, 2774

Abderhalden, E. *Deutsche Med. Wschr.* **1913**, 38, 2160

Abderhalden, E. *Deutsche Med. Wschr.* **1914**, 40, 428

Abderhalden, E. *Muench. Med. Wschr.* **1914**, 61, 233; 546

Abderhalden, E.; Fodar, A. *Muench. Med. Wschr.* **1914**, 61, 765

Abderhalden, E.; Holle, H.; Strauss, H. *Muench. Med. Wschr.* **1914**, 61, 804

Abderhalden, E.; Paquin, M. *Muench. Med. Wschr.* **1914**, 61, 806

Abderhalden, E. *Fermentforschung* **1921**, 4, 338

Abderhalden, E. *Fermentforschung* **1922**, 5, 84; 119; 130; 163; 342

Abderhalden, E.; Wertheimer, E. *Fermentforschung* **1923**, 7, 106

Abderhalden, E. *Fermentforschung* **1927**, 9, 119

Abderhalden, E.; Haas, R. *Fermentforschung* **1927**, 9, 132

Abderhalden, E. *Fermentforschung* **1940-1941**, 16, 297; 327

Abderhalden, E. *Fermentforschung* **1942**, 16, 414

Biographical references:

Bernhard, K. *Helv. Physiol. Pharmacol. Acta* **1950**, 8, 243

Bruecke, F. *Wien Med. Wschr.* **1950**, 62, 905

Hanson, H. *Pharmazie* **1951**, 5, 233

Janecke, H. *Starke* **1951**, 3, 41

Mall, G. *Deutsche Med. Wschr.* **1950**, 75, 1410

Pogg. 5, 2; 6(1), 2; 7A(1), 1

Kurt Alder



10 July 1902 - 20 June 1958

German b. Königshütte, Upper Silesia, now Chorzow, Poland

Nobel Prize Chemistry 1950

Diels-Alder reaction

Diels, O.; Alder, K. *Ann. Chem.* **1928**, 460, 98

Biographical References:

Walters, L.R. in James, Laylin K. (ed.), *Nobel Laureates in Chemistry 1901 - 1992*, American Chemical Society: Washington, DC, 1993, p. 328

Gunzl, M.; Gunzl, W., *Angew. Chem.* **1960**, 72, 219

Abbott, David (ed.), *The Biographical Dictionary of Scientists: Chemists*, Peter Bedrick Books: New York, 1983

Aleksandr Erminingeldovich Arbuzov

11 September 1877 - 21 January 1968

Russian, b. Arbuzov-Baran, near Kazan, Russia

Arbuzov-Michaelis Reaction

Michaelis, A.; Kaehne, R., *Chem. Ber.* **1898**, 31, 1048

Arbuzov, A.E., *J. Russ. Phys. Chem. Soc.* **1906**, 38, 687

Biographical References:

Morris, Peter *Biographies of Chemists*, Royal Society of Chemistry,

<http://www.chem.qmw.ac.uk/rschg/biog.html>

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who,

Inc.: Hannibal: Missouri, 1968

Zoroastrova, V.M.; Valitova, F.G., *J. General Chem. USSR* **1968**, 38, 1161

Fritz Arndt

6 July 1885 - 8 December 1969

German, b. Hamburg, Germany

Arndt-Eistert synthesis

Arndt, F.; Eistert, B., *Chem. Ber.* **1935**, 68, 200

Biographical References:

Campaigne, E., *J. Chem. Educ.* **1959**, 36, 336

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,

<http://www.chem.qmw.ac.uk/rschg/biog.html>

Walter, W.; Eistert, B., *Chem. Ber.* **1975**, 108, I

Zdenek Arnold

20 February 1922 – 1 January 1996

Czech, b. Brandys nad Labem, Czechoslovakia

Vilsmeier-Haack-Arnold reaction

see Albrecht Haack

Biographical references:

Reichardt, C., *J. Prakt. Chem.* **1999**, 341, 609

Personal communication, Prof. Dr. Christian Reichardt, October 2000

Friedrich Asinger

26 June 1907 -

Austrian, b. Freiland, Austria

Asinger reaction

Asinger, F.; Thiel, M. *Angew. Chem.* **1958**, 70, 667

Asinger, F.; Offersmanns, H. *Angew. Chem. Int. Ed.* **1967**, 6, 907

Biographical references:

Pogg. 7A(1), 61; 8(1), 149

Nachr. Chem. und Techn. **1972**, 20, 212

Werner Emmanuel Bachmann

13 November 1901 - 22 March 1951

American, b. Detroit, Michigan, USA

Gomberg-Bachmann reaction

Gomberg, M.; Bachmann, W.E., *J. Am. Chem. Soc.* **1924**, 46, 2339

Biographical References:

Elderfield, R.C., *Biog. Memoirs Natl. Acad. Sci.* **1960**, 34, 1

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,

<http://www.chem.qmw.ac.uk/rschg/biog.html>

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

Birger Bäcklund

2 May 1908 – 21 January 1997

Swedish, b. Norrköping, Sweden

Ramberg-Bäcklund rearrangement

Ramberg, L.; Bäcklund, B., *Arkiv. Kemi Mineral Geol.* **1940**, 13A, 50

Biographical References:

Personal communication, Dr. Otto-Albrecht Neumüller, February 2002

Personal communication, Dr. Lars B. Bäcklund, April 2006

Johann Friedrich Wilhelm Adolf von Baeyer



31 October 1835 - 20 August 1917

German, b. Berlin, Germany

Nobel Prize Chemistry 1905

Baeyer-Villiger oxidation

Baeyer, A.; Villiger, V., *Chem. Ber.* **1899**, 32, 3625

Baeyer, A.; Villiger, V., *Chem. Ber.* **1900**, 33, 858

Biographical References:

Steinmuller, F. in James, Laylin K. (ed.), *Nobel Laureates in Chemistry 1901 - 1992*, American Chemical Society: Washington, DC, 1993, p. 30

Graebe, C., *Angew. Chem.* **1915**, 28, 433

Willstätter, R., *Angew. Chem.* **1917**, 30, 229

Huisgen, R., *Angew. Chem.* **1986**, 98, 297

Richter, F., *Chem. Ber.* **1935**, 68IA, 175

Eugen Bamberger

19 July 1857 - 10 December 1932

German, b. Berlin, Germany

Bamberger rearrangement

Bamberger, E., *Chem. Ber.* **1894**, 27, 1347

Bamberger, E., *Chem. Ber.* **1894**, 27, 1548

Bamberger-Goldschmidt synthesis of isoquinolines

Bamberger, E.; Goldschmidt, C. *Chem. Ber.* **1894**, 27, 1954

Biographical References:

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,

<http://www.chem.qmw.ac.uk/rschg/biog.html>

Blangey, L., *Helv. Chim. Acta* **1933**, 16, 644

Daintith, J.; Mitchell, S.; Tootill, E.; Gjersten, D., *Biographical Encyclopedia of Scientists*, Institute of Physics Publishing: Bristol, UK, 1994

Duden, P., *Angew. Chem.* **1932**, 45, 514

Partington, J.R., *A History of Chemistry*, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 840

William Randall Bamford

British, b. ?

Bamford-Stevens reaction

Bamford, W.R.; Stevens, T.S., *J. Chem. Soc.* **1952**, 4735

Biographical References:

Directory of British Scientists 1966 – 1967, 1st ed., Ernest Benn, Ltd.: London, 1966

François Antoine Phillipe Barbier

2 March 1848 - 18 September 1922

French, b. Luzy, Nièvre, France

Barbier-Wieland reaction

Wieland, H., *Chem. Ber.* **1912**, 45, 484

Barbier, P.; Locquin, R., *Compt. Rend.* **1913**, 156, 1443

Biographical References:

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

Paul Doughty Bartlett

14 August 1907 - 11 October 1997

American, b. Ann Arbor, Michigan, USA

Bartlett-Condon-Schneider reaction

Bartlett, P.D.; Condon, F.E.; Schneider, A., *J. Am. Chem. Soc.* **1944**, 66, 1531

Biographical references:

Roberts, J.D. *Chem. Intell.* **1998**, 4, 34

Gortler, L.B. *Bull. Hist. Chem.* **1998**, 21, 25

Westheimer, F.H. *Biog. Mem. Fellows Natl. Acad. Sci. USA* **1998**, 75, 3

Sir Derek Harold Richard Barton



8 September 1918 – 16 March 1998

British, b. Gravesend, Kent, England

Nobel Prize Chemistry 1969

Barton reaction

Barton, D.H.R.; Beaton, J.M.; Geller, L.E.; Pechet, M.M., *J. Am. Chem. Soc.* **1960**, 82, 2640

Barton-McCombie reaction

Barton, D.H.R.; McCombie, S.W., *J. Chem. Soc. Perkin Trans. I*, **1975**, 1574

Barton, D.H.R.; Jang, D.O.; Jaszberenyi, J.C., *Synlett* **1991**, 435

Barton, D.H.R.; Dorchak, J.; Jaszberenyi, J.C., *Tetrahedron* **1992**, 48, 7435

Biographical References:

Scott, A.I., *Tetrahedron* **1998**, 54, 8847

Chorghade, M.S., *Pure Appl. Chem.* **1999**, 71, 1075

Campbell, W.A.; Greenwood, N.N., *Contemporary British Chemists*, Taylor & Francis Ltd.: London, 1971

McMurray, Emily J. (ed.), *Notable Twentieth-Century Scientists*,

Gale Research, Inc.: New York, 1995

Anon., *Chem. Eng. News*, **1998**, 76(2), 171

Feldman, M.R. in James, Laylin K. (ed.), *Nobel Laureates in Chemistry 1901 - 1992*, American Chemical Society: Washington, DC, 1993, p. 507

Abbott, David (ed.), *The Biographical Dictionary of Scientists: Chemists*, Peter Bedrick Books: New York, 1983

Barton, D.H.R., *Some Recollections of Gap Jumping*, ACS: Washington, 1991

Ley, S.V.; Myers, R.M. *Biog. Memoirs Fellows Roy. Soc.* **2002**, 48, 3

Eugen Baumann

12 December 1846 - 3 November 1896

German, b. Cannstadt, Germany

Schotten-Baumann reaction

Schotten, C., *Chem. Ber.* **1884**, 17, 2544

Baumann, E., *Chem. Ber.* **1886**, 19, 3218

Biographical References:

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

Anon. *Chem. Ber.* **1896**, 29, 2575

Kossel, A. *Chem. Ber.* **1897**, 30, 3197

A.B. Baylis

German, b. ?

Baylis-Hillman reaction

Baylis, A.B.; Hillman, M.E.D., Celanese Corp., German patent 2155113, 1972 (Chem. Abs. 1972, 77, 34174q)

Drewes, S.E.; Roos, G.H.P., *Tetrahedron* **1988**, 44, 4653

Basavaiah, D.; Rao, P.D.; Hyma, R.S., *Tetrahedron* **1996**, 52, 8001

Biographical references:

Ernst Otto Beckmann

4 July 1853 - 12 July 1923

German, b. Sölingen, Germany

Beckmann rearrangement

Beckmann, E., *Chem. Ber.* **1886**, 19, 988

Biographical References:

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,

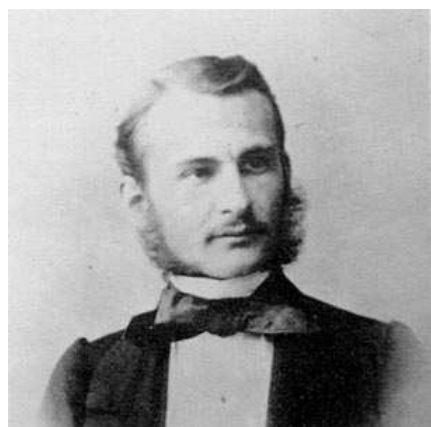
<http://www.chem.qmw.ac.uk/rschg/biog.html>

Lockemann, G. *Chem. Ber.* **1928**, 61A, 87

Partington, J.R., A History of Chemistry, Vol. IV, Macmillan and Co., Ltd.:

London, 1964, p. 833

Friedrich Konrad Beilstein



17 February 1838 - 18 October 1906

German-Russian, b. St. Petersburg, Russia

Beilstein's test

Beilstein, F., *Chem. Ber.* **1872**, 5, 620

Biographical References:

Witt, O.N., *J. Chem. Soc.* **1911**, 99, 1646

Richter, F., *Chem. Ber.* **1938**, 71A, 35

Lutz-Riga, O., *Angew. Chem.* **1906**, 19, 2058

Richter, F., *Angew. Chem.* **1938**, 51, 101

Partington, J.R., *A History of Chemistry*, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 797

Stanley Rossiter Benedict

17 March 1884 - 21 December 1936

American, b. Cincinnati, Ohio, USA

Benedict's test

Benedict, S.R., *J. Biol. Chem.* **1909**, 5, 485

Biographical References:

Pollack, H., *Diabetes* **1953**, 2, 420

McCollum, E.V., *Biol. Memoirs Natl. Acad. Sci.*, **1952**, 27, 155

Robert Anthony Benkeser

16 February 1920 -

American, b. Cincinnati, Ohio, USA

Benkeser reduction

Benkeser, R.A.; Robinson, R.E.; Landesman, H. *J. Am. Chem. Soc.* **1952**, 74, 5699

Benkeser, R.A.; Robinson, R.E.; Sauve, D.M.; Thomas, O.H. *J. Am. Chem. Soc.* **1955**, 77, 3230

Biographical references:

American Men of Science, Physical and Biological Sciences, 11th ed., R.R. Bowker: Providence, N.J., 1967

Robert George Bergman

1942 –

American, b. ?

Bergman cyclization

Bergman, R.G.; Jones, R.R., *J. Am. Chem. Soc.* **1972**, 94, 660

Biographical references:

R.R. Bowker's *American Men & Women of Science* 1998 - 99, 20th ed., R.R. Bowker: New Providence, New Jersey, 1998

Max Bergmann

12 February 1886 - 7 November 1944

German, b. Furth, Germany

Bergmann-Zervas carbobenzoxy method

Bergmann, M.; Zervas, L. *Chem. Ber.* **1932**, 65, 1192

Biographical references:

Clarke, H.T. *Science* **1945**, 102, 168

Harington, C.R. *J. Chem. Soc.* **1945**, 716

Neuberger, A. *Nature* **1945**, 155, 419

Helferich, B. *Chem. Ber.* **1969**, 102, I

Pietro Biginelli



25 July 1860 – 15 January 1937

Italian, b. Palazzolo Verellese, Piedmont-Sardinia, Italy

Biginelli reaction

Biginelli, P. *Gazz. Chim. Ital.* **1893**, 23, 360

Biginelli, P. *Chem. Ber.* **1891**, 24, 1317

Biginelli, P. *Chem. Ber.* **1891**, 24, 2962

Biographical references:

Marotta D. *La Chimica e l'Industria*, **1937**, 19, 216-217

http://en.wikipedia.org/wiki/Pietro_Biginelli (accessed March 2011)

<http://www.silmor.it/sm/page9/photos> (accessed March 2011)

Tron, G.C.; Minassi, A.; Appendino, J. *Eur. J. Org. Chem.* **2011**, 5541

Arthur John Birch

3 August 1915 – 8 December 1995

Australian, b. Sydney, Australia

Birch reduction

Birch, A.J., *J. Chem. Soc.* **1944**, 430

Biographical References:

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968
Birch, A.J., *To See the Obvious*, ACS: Washington, 1995

August Bischler

29 April 1865 – 26 May 1957

German-Swiss, b. Karlsruhe, Germany

Bischler-Napieralski synthesis

Bischler, A.; Napieralski, B., *Chem. Ber.* **1893**, 26, 1903

Biographical References:

Fruton, J.S., *A Bio-Bibliography for the History of the Biochemical Sciences Since 1800*, American Philosophical Society: Philadelphia, 1982
Personal communication, Dani Tschirren, ETH-Bibliothek, Archiv der ETH Zürich, May 2001
Personal communication, Dr. Otto-Albrecht Neumüller, February 2002

Gustave Louis Blanc

6 September 1872 - 1927

French, b. Paris, France

Bouveault-Blanc reaction

Bouveault, L.; Blanc, G., *Compt. Rend.* **1903**, 136, 1676

Biographical References:

Delange, R., *Bull. Soc. Chim. Fr.* **1928**, 43, 32

Richard Frederic Borch

22 May 1941 –

American, b. Cleveland, Ohio, USA

Borch reduction

Borch, R.F., *Org. Synth.* **1972**, 52, 124
Borch, R.F.; Bernstein, M.D.; Durst, H.D., *J. Am. Chem. Soc.* **1971**, 93, 2897
Borch, R.F.; Hassid, A.I., *J. Org. Chem.* **1972**, 37, 1673

Biographical references:

R.R. Bowker's *American Men & Women of Science* 1998 - 99, 20th ed., R.R. Bowker: New Providence, New Jersey, 1998

Aleksandr Porphyreovich Borodin

12 November 1833 - 15 February 1887

Russian, b. St. Petersburg, Russia

Borodin-Hunsdiecker reaction

Borodine, A., *Ann. Chem.* **1861**, 119, 121

Hunsdiecker, H.; Hunsdiecker, C., *Chem. Ber.* **1942**, 75, 291

Biographical References:

Getman, F.H., *J. Chem. Educ.* **1931**, 8, 1763

Bernhard, H., *J. Chem. Educ.* **1932**, 9, 153

Soloviev, Y.I. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1970, Vol. 2, 216

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,

<http://www.chem.qmw.ac.uk/rschg/biog.html>

Hunt, C.B., *Chem. Br.* **1987**, 23, 547

Kauffmann, G.B.; Rae, D.; Solov'ev, I.; Steinberg, C., *Chem. Eng. News* **1987**, 65(7), 28

Kauffmann, G.B.; Solov'ev, Y.I.; Steinberg, C., *Educ. Chem.* **1987**, 24, 138

White, A.D. *J. Chem. Educ.* **1987**, 64, 326

Podlech, J. *Angew. Chem. Int. Ed.* **2010**, 49, 6490

Adrian Gibbs Brook

21 May 1924 – 10 July 2013

Canadian, b. Toronto, Ontario, Canada

Brook rearrangement

Brook, A.G., *J. Am. Chem. Soc.* **1958**, 80, 1886

Biographical References:

R.R. Bowker's American Men & Women of Science 1998 - 99, 20th ed., R.R. Bowker: New Providence, New Jersey, 1998

Brook, M.A. *Can. J. Chem.* **2000**, 78, i – ii (special dedication issue)

Ainsworth, S.J. *Chem. Eng. News* **2014**, 92(1), 33

Hans Theodor Bucherer

19 May 1869 - 29 May 1949

German, b. Cologne-Ehrenfeld, Germany

Bucherer reaction

Bucherer, T., *J. Prakt. Chem.* **1904**, 69, 49

Biographical References:

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

George Hermann Büchi

1 August 1921 – 28 August 1998

Swiss-American, b. Baden, Switzerland

Paternó-Büchi reaction

Paternó, E.; Chietti, G., *Gazz. Chim. Ital.* **1909**, 39, 341

Büchi, G.; Inman, C.G.; Lipinsky, E.S., *J. Am. Chem. Soc.* **1954**, 76, 4327

Biographical References:

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

R.R. Bowker's *American Men & Women of Science* 1998 - 99, 20th ed.,

R.R. Bowker: New Providence, New Jersey, 1998

Berchtold, G.A.; Foley, L.H. *Biog. Memoirs Natl. Acad. Sci.* **2001**, 79, 15

Hans Burchard

Liebermann-Burchard reaction

Liebermann, C. *Ber.* **1885**, 18, 1803

Chem. Ber. **1890**, 23(3), R 752

The second reference is an abstract of the doctoral thesis by H. Burchard (Rostock, 1889) entitled "*Beiträge zur Kenntniss der Cholesterine*".

Biographical references:

Wilhelm Paul Buttenberg

30 December 1864 - 7 December 1946

German, b. Gerbstedt, Germany

Fritsch-Buttenberg-Wiechell rearrangement

Fritsch, P. *Ann. Chem.* **1894**, 279, 319

Buttenberg, W.P., *Ann. Chem.* **1894**, 279, 324

Wiechell, H., *Ann. Chem.* **1894**, 279, 337

Biographical References:

Pogg. **1956**, 7A(1), 328

Paul Cadiot

1923 -

French, b. ?

Cadiot-Chodkiewicz reaction

Chodkiewicz, W., *Ann. Chim. (Paris)* **1957**, 2, 819

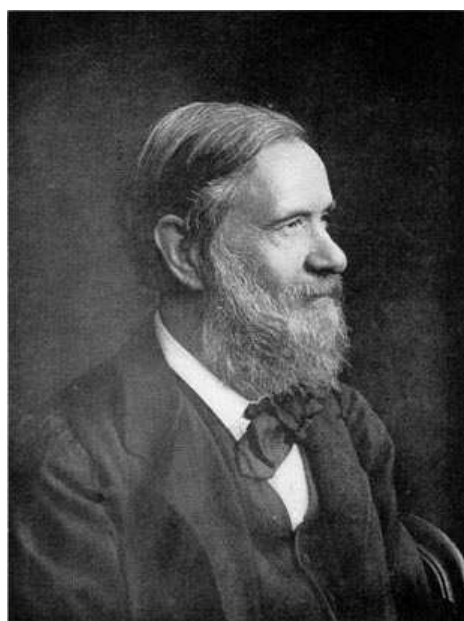
Sevin, A.; Chodkiewicz, W.; Cadiot, P., *Bull. Soc. Chim. Fr.* **1974**, 913

Biographical references:

World Biographical Index, K.G. Saur Publishing,

http://www.biblio.tu-bs.de/acwww25u/wbi_en/

Stanislao Cannizzaro



13 July 1826 - 10 May 1910

Italian, b. Palermo, Sicily, Italy

Cannizzaro reaction

Cannizzaro, S., *Ann. Chem.* **1853**, 88, 129

Biographical references:

Farber, Eduard (ed.), *Great Chemists*, Interscience Publishers: New York, 1961

Abbott, David (ed.), *The Biographical Dictionary of Scientists: Chemists*, Peter Bedrick Books: New York, 1983

Partington, J.R., *A History of Chemistry*, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 489

Arthur William Chapman

29 January 1898 - ?

British, b. London, England

Chapman rearrangement

Chapman, A.W., *J. Chem. Soc.* **1925**, 127

Biographical references:

Pogg. **1937**, 6(1), 425

Alexei Yevgenievich (Eugenievich) Chichibabin (Tchitchibabine)

17 March 1871 - 15 August 1945

Russian, b. Kuzemino, Poltava Gubernia, Russia, now Ukraine

Chichibabin pyridine amination reaction

Chichibabin, A.E.; Zeide, O.A., *J. Russ. Phys. Chem. Soc.* **1914**, 46, 1216

Chichibabin pyridine condensation reaction

Chichibabin, A.E. *J. Russ. Phys. Chem. Soc.* **1906**, 37, 1229

Chichibabin, A.E. *J. Prakt. Chem.* **1924**, 107, 122

Biographical references:

Marszak, I., *J. Chem. Soc.* **1946**, 760

Maurer, James F. (ed.) *Concise Dictionary of Scientific Biography*, Charles Scribner's Sons: New York, 1981

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

Partington, J.R., *A History of Chemistry*, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 855

Kost, A.N. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1980, Vol. 3, 246

World Biographical Index, K.G. Saur Publishing,

http://www.biblio.tu-bs.de/acwww25u/wbi_en/

Wladyslaw Chodkiewicz

1921 -

Polish-French, b. ?

Cadiot-Chodkiewicz reaction

see Paul Cadiot

Biographical references:

World Biographical Index, K.G. Saur Publishing,

http://www.biblio.tu-bs.de/acwww25u/wbi_en/

Lev (Leo) Aleksandrovich Chugaev (Tschugaeff)

4 (17) October 1873 - 26 (23) September 1922

Russian, b. Moscow, Russia

Chugaev reaction

Tschugaeff, L., *Chem. Ber.* **1899**, 32, 3332

Biographical references:

Lowry, T.M., *J. Chem. Soc.* **1923**, 123, 956

Maurer, James F. (ed.) *Concise Dictionary of Scientific Biography*, Charles Scribner's Sons: New York, 1981

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

Schulz, H.E.; Urban, P.K.; Lebed, A.I. (eds.) *Who Was Who in the USSR*, The Scarecrow Press, Inc.: Metuchen, NJ, 1972

Soloviev, Y.I. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1980, Vol. 3, 271

Giacomo Luigi Ciamician

27 August 1857 - 2 January 1922

Italian, b. Trieste, Italy

Ciamician synthesis of pyridines from pyrroles

Ciamician, G.; Dennstedt, M. *Chem. Ber.* **1881**, 14, 1153

Ciamician photodisproportionation

Ciamician, G.; Silber, P. *Chem. Ber.* **1901**, 34, 2040

Biographical references:

McPherson, W. *J. Am. Chem. Soc. (Proc.)* **1922**, 44, 101

Thorpe, T.E. *Nature* **1922**, 109, 245

Jacobson, P.H. *Chem. Ber.* **1922**, 55A, 19

Plancher, R. *Gazz. Chim. Ital.* **1924**, 54, 1

Nasini, R. *J. Chem. Soc.* **1926**, 996

Fabre, R. *Bull. Chim. Soc. Fr.* **1927**, 41, 1562

Heindel, N.D.; Pfau, M.A. *J. Chem. Educ.* **1965**, 42, 383

Albini, A.; Fagnoni, M. *Green Chem.* **2004**, 6, 1

Pötsch, W.R.; Fischer, A.; Müller, W., *Lexikon bedeutender Chemiker*, Verlag: Frankfurt, 1989

Costa, A.B. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1980, Vol. 3, 279

Pogg. 4, 250; 5, 223; 6(1), 444

Rainer Ludwig Claisen

14 January 1851 - 5 January 1930

German, b. Cologne, Germany

Claisen rearrangement

Claisen, L., *Chem. Ber.* **1912**, 45, 3157

Claisen condensation

Claisen, L.; Lowman, O., *Chem. Ber.* **1887**, 20, 651

Claisen-Schmidt reaction

Claisen, L.; Claparède, A., *Chem. Ber.* **1881**, 14, 2460

Schmidt, J.G., *Chem. Ber.* **1881**, 14, 1459

Biographical references:

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,

<http://www.chem.qmw.ac.uk/rschg/biog.html>

Anschutz, R., *Chem. Ber.* **1936**, 69A, 97

Daintith, J.; Mitchell, S.; Tootill, E.; Gjersten, D., Biographical Encyclopedia of Scientists, Institute of Physics Publishing: Bristol, UK, 1994

Partington, J.R., A History of Chemistry, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 813

Hans Thacher Clarke

27 December 1887 - 21 October 1927

British, b. Harrow, England

Eschweiler-Clarke reaction

Eschweiler, W., *Chem. Ber.* **1905**, 38, 880

Clarke, H.T.; Gillespie, H.B.; Weisshaus, S.Z., *J. Am. Chem. Soc.* **1933**, 55, 4571

Biographical references:

Vickery, H.B., *Biog. Memoirs Natl. Acad. Sci.* **1975**, 46, 3

Bentley, R. *J. Chem. Educ.* **2001**, 78, 185

Erik Christian Clemmensen

1876 - 21 May 1941

Danish-American, b. Odense, Denmark

Clemmensen reduction

Clemmensen, E. *Chem. Ber.* **1913**, 46, 1837

Clemmensen, E. *Chem. Ber.* **1914**, 47, 51; 681

Biographical references:

Curr. Biog. **1941**, 156

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,
<http://www.chem.qmw.ac.uk/rschg/biog.html>

Francis Edward Condon

12 October 1919 –

American, b. Abington, Massachusetts, USA

Bartlett-Condon-Schneider reaction

see Paul Doughty Bartlett

Biographical references:

R.R. Bowker's American Men & Women of Science 1998 - 99, 20th ed., R.R. Bowker:
New Providence, New Jersey, 1998

Arthur Clay Cope

27 June 1909 - 4 June 1966

American, b. Dunreith, Indiana, USA

Cope rearrangement

Cope, A.C.; Hardy, E.M., *J. Am. Chem. Soc.* **1940**, 62, 441

Cope elimination

Cope, A.C.; Foster, T.T.; Toule, P.H., *J. Am. Chem. Soc.* **1949**, 71, 3929

Biographical references:

Roberts, J.D.; Sheehan, J.C., *Biog. Memoirs Natl. Acad. Sci.* **1991**, 60, 17
Anon., *Chem. Eng. News*, **1998**, 76(2), 171

Elias James Corey



12 July 1928 -

American, b. Methuen, Massachusetts, USA

Nobel Prize Chemistry 1990

Corey-Winter olefin synthesis

Corey, E.J.; Winter, R.A.E., *J. Am. Chem. Soc.* **1963**, 85, 2677

Corey-Kim oxidation

Corey, E.J.; Kim, C.U., *J. Am. Chem. Soc.* **1972**, 94, 7586

Biographical references:

McMurray, Emily J. (ed.), *Notable Twentieth-Century Scientists*, Gale Research, Inc.: New York, 1995

Allerson, C.R. in James, Laylin K. (ed.), *Nobel Laureates in Chemistry 1901 - 1992*, American Chemical Society: Washington, DC, 1993, p. 750

Rouhi, A.M. *Chem. Eng. News* **2004**, 82(13), 37

Sir John Warcup Cornforth



7 September 1917 -

Australian, b. Sydney, Australia

Nobel Prize Chemistry 1975

Cornforth rearrangement

Cornforth, J.W., *The Chemistry of Penicillin*, Princeton University Press: New Jersey, 1949

Biographical references:

Campbell, W.A.; Greenwood, N.N., *Contemporary British Chemists*, Taylor &

Francis Ltd.: London, 1971

McMurray, Emily J. (ed.), *Notable Twentieth-Century Scientists*, Gale Research, Inc.: New York, 1995

Goldwhite, H. in James, Laylin K. (ed.), *Nobel Laureates in Chemistry 1901 - 1992*, American Chemical Society: Washington, DC, 1993, p. 571

Abbott, David (ed.), *The Biographical Dictionary of Scientists: Chemists*, Peter Bedrick Books: New York, 1983

James Mason Crafts



8 March 1839 - 20 June 1917

American, b. Boston, Massachusetts, USA

Friedel-Crafts alkylation reaction

Friedel-Crafts acylation reaction

Friedel, C.; Crafts, J.M., *Compt. Rend.* **1877**, 84, 1392

Friedel, C.; Crafts, J.M., *Compt. Rend.* **1877**, 84, 1450

Biographical references:

Daintith, J.; Mitchell, S.; Tootill, E.; Gjersten, D., *Biographical Encyclopedia of Scientists*, Institute of Physics Publishing: Bristol, UK, 1994

Cross, C.R., *Biog. Memoirs Natl. Acad. Sci.* **1919**, 9, 157

Partington, J.R., *A History of Chemistry*, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 799

Rudolf Criegee

23 May 1902 - 7 November 1975

German, b. Dusseldorf, Germany

Criegee reaction

Criegee, R., *Chem. Ber.* **1931**, 64, 260

Criegee rearrangement

Criegee, R., *Chem. Ber.* **1944**, 77, 722

Criegee, R.; Kaspar, R., *Ann. Chem.* **1948**, 560, 127

Biographical references:

Maier, G., *Chem. Ber.* **1977**, 110, XXVII

Theodor Curtius



27 May 1857 - 8 February 1928

German, b. Duisburg, Ruhr, Germany

Curtius rearrangement

Curtius, T., *Chem. Ber.* **1890**, 23, 3023

Biographical references:

Morris, Peter Biographies of Chemists, Royal Society of Chemistry,

<http://www.chem.qmw.ac.uk/rschg/biog.html>

Freudenberg, K., *Chem. Ber.* **1963**, 96, I

Daintith, J.; Mitchell, S.; Tootill, E.; Gjersten, D., Biographical Encyclopedia of Scientists, Institute of Physics Publishing: Bristol, UK, 1994

Darapsky, A., *Angew. Chem.* **1927**, 40, 581

Wieland, H., *Angew. Chem.* **1928**, 41, 193

Duisberg, C., *Angew. Chem.* **1930**, 43, 723

Partington, J.R., A History of Chemistry, Vol. IV, Macmillan and Co., Ltd.:

London, 1964, p. 832

Henry Drysdale Dakin

12 March 1880 - 10 February 1952

British, b. Hampstead, London, England

Dakin-West reaction

Dakin, H.D.; West, R., *J. Biol. Chem.* **1928**, 78, 91; 745; 757

Dakin reaction

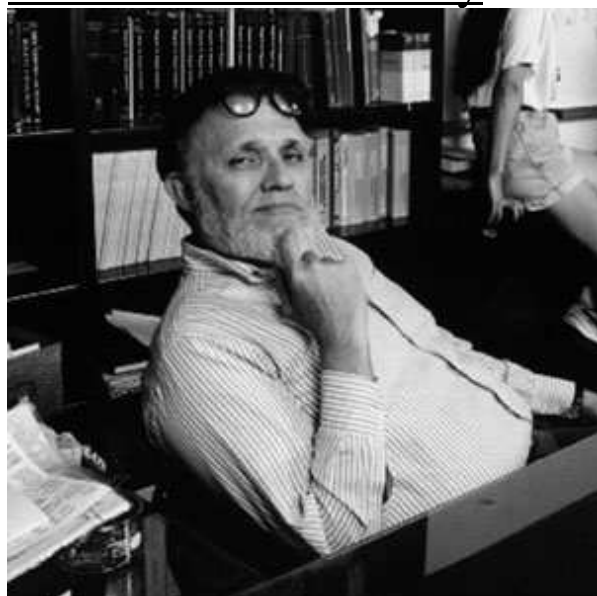
Dakin, H.D., *Org. Synth. Coll. Vol. I* **1941**, 1, 149

Biographical references:

Clarke, H.T., *J. Chem. Soc.* **1952**, 3319

Hartley, Sir P., *Roy. Soc. Obit. Not. Fellows*, **1952 - 1953**, 8, 129

Samuel J. Danishefsky



10 March 1936 -

American, b. Bayonne, New Jersey, USA

Danishefsky reaction

Danishefsky, S.; Kitahura, T., *J. Am. Chem. Soc.* **1974**, 96, 7807

Biographical references:

Danishefsky, S., *Acc. Chem. Res.* **1981**, 14, 400

Auguste George Darzens

12 July 1867 - 10 September 1954

French, b. Moscow, Russia

Darzens condensation

Darzens, G., *Compt. Rend.* **1904**, 139, 1214

Biographical references:

Jones, Maitland Jr. *Organic Chemistry*, W.W. Norton & Co.: New York, 1997

Laszlo, Pierre, *Organic Reactions: Simplicity and Logic*, Wiley: New York, 1995

Moureu, H., *Bull. Soc. Chim. Fr.* **1955**, 169

Laszlo, P. *Bull. Hist. Chem.* **1996**, 15/16, 59

Stephane Marcel Délepine

19 September 1871 – 21 October 1965

French, b. St. Martin le Gaillard, France

Délepine reaction

Délepine, M., *Bull. Soc. Chim. Fr.* **1895**, 13, 352

Biographical references:

Pogg. **1904**, 4, 311; **1926**, 5, 275; **1937**, 6, 545; **1968**, 7B(2), 1013

Kauffman, G.B. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1971, Vol. 4, 20

Dufraisse, C., *Compt. Rend.* **1965**, 261, 4931

Horeau, A., *Ann. Chim.* **1966**, 1, 5

Nikolai Jakovlevich Demjanov (Dem'anov, Demianov)

15 March 1861 - 19 March 1938

Russian, b. ?

Tiffeneau-Demjanov reaction

Tiffeneau, M.; Weill; Tschoubar, B., *Compt. Rend.* **1937**, 205, 54

Demjanov rearrangement

Demjanov, N.J.; Lushnikov, M., *J. Russ. Phys. Chem. Soc.* **1903**, 35, 26

Biographical references:

Debus, Allen G. (ed.) *World Who's Who in Science*, 1st ed., Marquis-Who's Who, Inc.: Hannibal: Missouri, 1968

Feofilatov, V.V. *Zh. Obsh. Khim.* **1938**, 8, 1492

Onishchenko, A.S. *Usp. Khim.* **1948**, 17, 608

Daniel Benjamin Dess

American, b. ?

Dess-Martin oxidation

Dess, D.B.; Martin, J.C., *J. Org. Chem.* **1983**, 48, 4155

Biographical references:

Walter Dieckmann

8 October 1869 - 12 January 1925

German, b. Hamburg, Germany

Dieckmann condensation

Dieckmann, W., *Chem. Ber.* **1894**, 27, 102

Biographical references:

Jones, Maitland Jr. *Organic Chemistry*, W.W. Norton & Co.: New York, 1997

Willstatter, R., *Chem. Ber.* **1925**, 58A, 7

Otto Paul Hermann Diels



23 January 1876 - 7 March 1954

German, b. Hamburg, Germany

Nobel Prize Chemistry 1950

Diels-Alder reaction

see Kurt Alder

Biographical references:

Olsen, S., *Chem. Ber.* **1962**, 95, V

Millar, D.; Millar, I.; Millar, J.; Millar, M., *Chambers Concise Dictionary of Scientists*, W. & R. Chambers: Edinburgh, 1989

Walters, L.R. in James, Laylin K. (ed.), *Nobel Laureates in Chemistry 1901 - 1992*, American Chemical Society: Washington, DC, 1993, p. 332

Klemm, W., *Angew. Chem.* **1951**, 63, 180

Abbott, David (ed.), *The Biographical Dictionary of Scientists: Chemists*, Peter Bedrick Books: New York, 1983

Oscar Döbner (Doebner)

20 November 1850 - 28 March 1907

German, b. Meiningen in Thüringen, Germany

Doebner-Miller reaction

Doebner, O.; von Miller, W., *Chem. Ber.* **1883**, 16, 2464

Biographical references:

Vorlander, D., *Angew. Chem.* **1907**, 20, 736

Karl Heinz Dötz

1 September 1943 –

German, b. ?

Dötz reaction

Dötz, K.H., *Angew. Chem. Int. Engl. Ed.* **1975**, 14, 644

Biographical references:

Chemical Research Faculties: An International Directory 1996, American Chemical Society: Washington, D.C., 1996

Personal communication, Dr. Otto-Albrecht Neumüller, April 2002