

NAMED REAGENTS, CATALYSTS, AND COMPOUNDS (A – F)

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

Gilbert Joseph Adam

1795 - 1881

French, b. ?

Adamite (zinc arsenate)

Adam's reagent (zinc cyanide)

Biographical references:

Blackburn, W.H.; Dennen, W.H.; Russell, P.I. *Encyclopedia of Mineral Names*, Mineralogical Association of Canada, 1997

Roger Adams

2 January 1889 - 6 July 1971

American, b. Boston, Massachusetts, USA

Adam's catalyst (platinum oxide)

Adams, R.; Voorhees, V.; Carothers, W.H.; Shriner, R.L. *J. Am. Chem. Soc.* **1922**, 44, 1397

Adams, R.; Voorhees, V.; Carothers, W.H.; Shriner, R.L. *J. Am. Chem. Soc.* **1923**, 45, 1071; 2171

Adams, R.; Voorhees, V.; Shriner, R.L., *Org. Synth. Coll. Vol. I* **1943**, 1, 463

Biographical References:

Tarbell, D.S.; Tarbell, A.T., *Biog. Memoirs Natl. Acad. Sci.* **1982**, 53, 3

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

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

Homer Burton Adkins

16 January 1892 - 10 August 1949
American, b. Newport, Ohio, USA

Adkins catalyst (chromium - copper oxide)

Adkins, H.; Connor, R.; Folkers, K., *J. Am. Chem. Soc.* **1932**, 54, 1138

Adkins, H.; Burgoyne, E.E.; Schneider, H.J., *J. Am. Chem. Soc.* **1950**, 72, 2626

Biographical References:

Daniels, F., *Biog. Memoirs Natl. Acad. Sci.* **1952**, 27, 293

Momme Andresen

17 October 1857 – 12 January 1951

German, b. Risum, Kr. Süd-Tondern, Germany

Andresen's acid (3-amino-1,6-naphthalenedisulfonic acid)

Armstrong, H.E.; Wynne, W.P. *Proc. Chem. Soc.* **1891**, 7, 27

Biographical references:

Anon. *Konotechnik* **1938**, 19, 274

Anon. *Konotechnik* **1940**, 22, 162

Anon. *Photogr. Ind.* **1942**, 40, 273

Eggert, J. *Camera* **1947**, 26, 242

Anon. *Dtsch. Drogisten Ztg.* **1951**, 6, 191

Angelo Angeli

20 August 1864 - 31 May 1931

Italian, b. Tarcento, Udine, Italy

Angeli's salt (nitrohydrosamic acid, sodium salt)

Angeli, A. *Gazz. Chim. Ital.* **1896**, 26, 17

Angeli, A. *Gazz. Chim. Ital.* **1897**, 27, 357

Angeli, A.; Angelico, F. *Gazz. Chim. Ital.* **1900**, 30, 593

Angeli, A.; Angelico, F. *Rend. Accad. Lincei* **1901**, 1, 249

Angeli, A.; Fanara, S. *Gazz. Chim. Ital.* **1901**, 31, 15

Angeli, A.; Angelico, F.; Scurti, F. *Rend. Accad. Lincei* **1902**, 1, 555

Angeli, A.; Angelico, F. *Gazz. Chim. Ital.* **1903**, 33, 245

Angeli, A. *Gazz. Chim. Ital.* **1903**, 33, 296

Biographical references:

Pogg. 4, 27; 5, 25; 6, 59; 7B, 97

Poggi, R.; Jolles, Z. *Chem. Ber.* **1931**, 64A, 129

Cambi, L. *Gazz. Chim. Ital.* **1933**, 63, 527

Rolf Appel

25 February 1921 –

German, b. Hamburg, Germany

Appel's salt (4,5-dichloro-1,2,3-dithiazolium chloride)

Appel, R.; Janssen, H.; Siray, M.; Knock, F., *Chem. Ber.* **1985**, 118, 1632

Biographical references:

Wer Ist Wer? Das Deutsche Who's Who 1999/2000, Schmidt-Römhild: Lübeck, 1999

Personal communication, Prof. Dr. Christian Reichardt, November 2001

Anthony J. Arduengo III

1952 -

American, b. ?

Arduengo carbene

Arduengo, A.J. III; Harlow, R.L.; Kline, M. *J. Am. Chem. Soc.* **1991**, 113, 361

Dixon, D.A.; Arduengo, A.J. III *J. Phys. Chem.* **1991**, 95, 4180

Arduengo, A.J. III; Dias, H.V.R.; Harlow, R.L.; Kline, M. *J. Am. Chem. Soc.* **1992**, 114, 5530

Biographical references:

ACS Directory of Graduate Research 2001, American Chemical Society: Washington, D.C., 2001.

Henry Edward Armstrong

6 May 1848 – 13 July 1937

British, b. Lewisham, England

Armstrong and Wynne's acids

see William Palmer Wynne

Biographical references:

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

Ronneberg, C.E. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1981, Vol. 1, 288

Keeble, F.W. *Obituary Not. Fellows Roy. Soc.* **1939-1941**, 3, 229-245

Johann Friedrich Wilhelm Adolf von Baeyer



31 October 1835 - 20 August 1917
German, b. Berlin, Germany

Nobel Prize Chemistry 1905

Baeyer acids

Biographical References:

Steinmüller, 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

Francis Harold Banfield

British, b.

Banfield-Kenyon radical

Banfield, F.H.; Kenyon, J. *J. Chem. Soc.* **1926**, 1612

Biographical references:

Sir Derek Harold Richard Barton



8 September 1918 – 16 March 1998
British, b. Gravesend, Kent, England

Nobel Prize Chemistry 1969

Barton esters

Barton, D.H.R.; Crich, D.; Motherwell, W.B., *Chem. Commun.* **1983**, 939

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. *Biog. Memoirs Fellows Roy. Soc.* **2002**, 48, 3

Arnold J. Bates

British, b. ?

Bates reagent (μ -oxo-bis[tris(dimethylamino)phosphonium]bis(tetra-
fluoroborate))

Bates, A.J.; Galpin, I.J.; Hallett, A.; Hudson, D.; Kenner, G.W.; Ramage, R.; Sheppard,
R.C., *Helv. Chim. Acta* **1975**, 58, 688

Biographical References:

Bernard Belleau



15 March 1925 – 4 September 1989
Canadian, b. Montréal, Québec, Canada

Belleau's reagent (2,4-bis(4-phenoxyphenyl)-1,3-dithia-2,4-diphosphetane-2,4-disulfide)

Lajoie, G.; Lepine, F.; Maziak, L.; Belleau, B. *Tetrahedron Lett.* **1983**, 24, 3815
Lajoie, G.; Lepine, F.; Lemaire, S.; Jolicoeur, F.; Aube, C.; Turcotte, A.; Belleau, B. *Int. J. Peptide Protein Res.* **1984**, 24, 316
Sauve, G.; Rao, V.S.; Lajoie, G.; Belleau, B. *Can. J. Chem.* **1985**, 63, 3089

Biographical references:

<http://www.cbhr.ca/pub-awa/can-bchr/1996.htm>, Dionne, Gervais
Chan, T.H. *Canadian Chem. News* **1989**, 41(10), 15
<http://www.virtualmuseum.ca/Exhibitions/Medicentre/en/resources/student/bell/biography.html> (accessed August 2003)
Lemieux, R.U. *Trans. Roy. Soc. Canada* **1994**, 5[6], 175

Stanley Rossiter Benedict

17 March 1884 - 21 December 1936
American, b. Cincinnati, Ohio, USA

Benedict's solution (aqueous solution of potassium thiocyanate, potassium ferrocyanide, potassium or sodium citrate, copper sulfate, and sodium carbonate)

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

Biographical References:

Pollack, H., *Diabetes* **1953**, 2, 420
McCollum, E.V., *Biog. Memoirs Natl. Acad. Sci.* **1952**, 27, 155

Guy Bertrand

French, b. ?

Bertrand carbene

Baceiredo, A.; Bertrand, G.; Sicard, G. *J. Am. Chem. Soc.* **1985**, 107, 4781

Igau, A.; Grutzmacher, H.; Baceiredo, A.; Bertrand, G. *J. Am. Chem. Soc.* **1988**, 110, 6463

Biographical references:

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

R. Bindschedler

German, b. ?

Bindschedler's green (N-[4-[[4-(dimethylamino)phenyl]imino]-2,5-cyclohexadien-1-ylidene]-N-methylmethanaminium chloride)

Bindschedler, R. *Chem. Ber.* **1880**, 13, 207 (abstract by W. Michler)

Bindschedler, R. *Chem. Ber.* **1883**, 16, 864

Biographical references:

A. Calvin Bratton

Bratton-Marshall reagent (N-naphthylethylenediamine dihydrochloride)

Bratton, A.C.; Marshall, E.K. ,Jr.; Babbitt, D.; Hendrickson, A.R. *J. Biol. Chem.* **1939**, 128, 537

Biographical references:

M. Brauns

German, b.

Schlenk-Brauns biradical

Schlenk, W.; Brauns, M. *Chem. Ber.* **1915**, 48, 661; 716

Biographical references:

Hellmut Brederick

29 May 1904 -

German, b. Frankfurt im Main, Germany

Bredereck's reagent (*t*-butoxy bis(dimethylamino)methane)

Bredereck, H.; Simchen, G.; Rebsdatt, S.; Kantlehner, W.; Horn, P.; Wahl, R.; Hoffmann, H.; Grieshaber, P., *Chem. Ber.* **1968**, 101, 41

Biographical References:

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

Herbert Charles Brown

22 May 1912 – 19 December 2004

British-American, b. London, England

Nobel Prize Chemistry 1979

Brown's reagent

Allyl bis-(2,6,6-trimethylbicyclo[3.1.1]hept-3-yl)borane

Brown, H.C.; Bhat, K.S.; Randad, R.S. *J. Org. Chem.* **1989**, 54, 1570

Biographical references:

Kroll, L.C. in James, Laylin K. (ed.), *Nobel Laureates in Chemistry 1901 - 1992*, American Chemical Society: Washington, DC, 1993, p. 604

Brown, H.C. *Herbert C. Brown: a life in chemistry*, Purdue University Press: West Lafayette, 1980

Davenport, D.A. *Aldrichimica Acta* **1987**, 20(1), 25

Negishi, E.I. *Heterocycles* **1982**, 18, 7

Worthy, W. *Chem. Eng. News* **1980**, 58(27), 21

Jacoby, M. *Chem. Eng. News* **2005**, 83(1), 8

Edward M. Burgess

8 June 1934 – 24 June 2018

American, b. Birmingham, Alabama, USA

Burgess reagent

Atkins, G.M.; Burgess, E.M., *J. Am. Chem. Soc.* **1968**, 90, 4744

Biographical references:

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

Chem. Eng. News **2018**, 96(41), 34

Heinrich Caro



13 February 1834 - 11 September 1910

Polish-German, b. Posen, Germany, now Poznan, Poland

Caro's acid (persulfuric acid)

Caro, H., *Angew. Chem.* **1898**, 11, 845

Biographical References:

Berthsen, A., *Angew. Chem.* **1911**, 24, 1059

Berthsen, A., *Chem. Ber.* **1912**, 45, 1987

Partington, J.R., *A History of Chemistry*, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 793

Alexei Yevgenievich (Euguenievich) Chichibabin (Tchitchibabine)

17 March 1871 - 15 August 1945

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

Chichibabin's hydrocarbon (biradical)

Chichibabin, A.E. *Chem. Ber.* **1907**, 40, 1810

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/

Rainer Ludwig Claisen

14 January 1851 - 5 January 1930

German, b. Cologne, Germany

Claisen's alkali (potassium hydroxide - water - methanol)

Claisen, L., *Ann. Chem.* **1919**, 418, 96

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

William Wallace Cleland

6 January 1930 –

American, b. Baltimore, Maryland, USA

Cleland's reagent (DL-dithiothreitol)

Zahler, W.L.; Cleland, W.W. *J. Biol. Chem.* **1968**, 243, 716

Biographical references:

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

Per Theodor Cleve

10 February 1840 – 18 June 1905

Swedish, b. Stockholm, Sweden

Cleve's acids

α -acid (5-amino-naphthalene-1-sulfonic acid)

Cleve, P.T. *Öfversigt Kongl. Acad. Förhandlingar (Stockholm)* **1875**, Heft 9, 24

β -acid (5-amino-naphthalene-2-sulfonic acid)

Cleve, P.T. *Öfversigt Kongl. Acad. Förhandlingar* (Stockholm) **1887**, Heft 7, 54

γ -acid (4-amino-naphthalene-2-sulfonic acid)

Cleve, P.T. *Öfversigt Kongl. Acad. Förhandlingar* (Stockholm) **1886**, Heft 7, 210

δ -acid (8-amino-naphthalene-2-sulfonic acid)

Cleve, P.T. *Öfversigt Kongl. Acad. Förhandlingar* (Stockholm) **1878**, Heft 2, 31; **1888**, Heft 5, 274

Biographical references:

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

Boklund, U. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1981, Vol. 3, 321

Joseph Charles Collins, Jr.

7 May 1931 -

American, b. Pontiac, Michigan, USA

Collin's reagent (chromium trioxide bispyridine complex)

Collins, J.C.; Hess, W.W.; Frank, F.J., *Tetrahedron Lett.* **1968**, 3363

Collins, J.C.; Hess, W.W., *Org. Synth. Coll. Vol. VI* **1988**, 6, 644

Biographical References:

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

James Paddock Collman

31 October 1932 -

American, b. Beatrice, Nebraska, USA

Collman's reagent (disodium tetracarbonylferrate)

Siegl, W.O.; Collman, J.P., *J. Am. Chem. Soc.* **1972**, 94, 2516

Collman, J.P.; Finke, R.G.; Cawse, J.N.; Brauman, J.I., *J. Am. Chem. Soc.* **1977**, 99, 2515

Collman, J.P.; Finke, R.G.; Cawse, J.N.; Brauman, J.I., *J. Am. Chem. Soc.* **1978**, 100, 4766

Collman, J.P.; Winter, S.R.; Clark, D.R., *J. Am. Chem. Soc.* **1972**, 94, 1788

Collman, J.P.; Hoffman, N.W., *J. Am. Chem. Soc.* **1973**, 95, 2689

Collman, J.P., *Acc. Chem. Res.* **1975**, 8, 342

Biographical references:

Collman, J.P., *Acc. Chem. Res.* **1975**, 8, 342

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

Galvin Michael Coppinger

23 July 1923 -

American, b. Denver, Colorado, USA

Coppinger's radical (galvinoxyl)

Coppinger, G.M. *J. Am. Chem. Soc.* **1957**, 79, 501

Biographical references:

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

Elias James Corey



12 July 1928 -

American, b. Methuen, Massachusetts, USA

Nobel Prize Chemistry 1990

Corey-Kim reagent (N-chlorosuccinamide - dimethyl sulfide)

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

Corey's reagent (pyridinium chlorochromate)

Corey's reagent (dimethylsulfoxonium methylide)

Corey lactone (hexahydro-4-hydroxymethyl-5-(4-phenylbenzoyloxy)
cyclopenta[b]furan-2-one)

Corey aldehyde (hexahydro-4-carboxaldehyde-5-(4-triethylsiloxy)

cyclopenta[b]furan-2-one)

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

Carl Ferdinand Cori

5 December 1896 - 19 October 1984

Czech-American, b. Prague, Czech Republic

Gerty Theresa Cori (née Radnitz)

8 August 1896 - 26 October 1957

Czech-American, b. Prague, Czech Republic

Nobel Prize Physiology & Medicine 1947

Cori ester (α -glucose-1-phosphate)

Cori, C.F.; Cori, G.T. *Proc. Soc. Exp. Biol. Med.* **1936**, 34, 702

Cori, C.F.; Colowick, S.P.; Cori, G.T. *J. Biol. Chem.* **1937**, 121, 465

Biographical references:

Cohn, M. *Biog. Memoirs Fellows Natl. Acad. Sci.* **1992**, 61, 79

Larner, J. *Biog. Memoirs Fellows Natl. Acad. Sci.* **1992**, 61, 111

Sir John Warcup Cornforth



7 September 1917 -

Australian, b. Sydney, Australia

Nobel Prize Chemistry 1975

Cornforth reagent (chromium trioxide - pyridine - water)

Cornforth, R.H.; Cornforth, J.W.; Popjak, G., *Tetrahedron* **1962**, 18, 135

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

Robert H. Crabtree

17 April 1948 –

British, b. London, England

Crabtree's catalyst

(1,5-cyclooctadiene)bis(methyldiphenylphosphine)iridium(I)
hexafluorophosphate

(1,5-cyclooctadiene)tricyclohexylphosphinepyridinioiridium(I)
hexafluorophosphate

Crabtree, R.H.; Morris, G.E. *J. Organomet. Chem.* **1977**, 135, 395

Crabtree, R.H.; Felkin, H.; Morris, G.E. *J. Organomet. Chem.* **1977**, 141, 205

Crabtree, R.H. *Acc. Chem. Res.* **1979**, 12, 331

Biographical references:

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

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

Carol Creutz

20 October 1944 –

American, b. Washington, D.C., USA

Creutz-Taube complex, ion

Decaamine- μ -(pyrazine- $N^1:N^4$)diruthenium(5+) or

μ -pyrazine-bis[pentaammineruthenium(III,II)]

Creutz, C.; Taube, H. *J. Am. Chem. Soc.* **1969**, 91, 3988

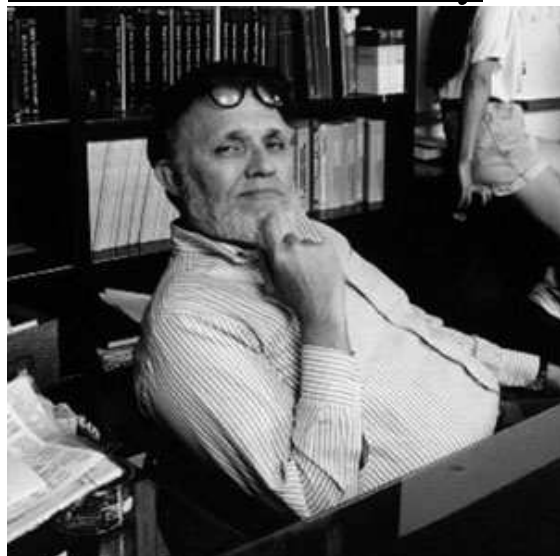
Creutz, C.; Taube, H. *J. Am. Chem. Soc.* **1973**, 95, 1086

Creutz, C. *Prog. Inorg. Chem.* **1983**, 30, 1

Biographical references:

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

Samuel J. Danishefsky



10 March 1936 -

American, b. Bayonne, New Jersey, USA

Danishefsky reagent (dicarboxyethylacetylene)

Danishefsky's diene (*trans*-1-methoxy-3-trimethylsilyloxy-1,3-butadiene)

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

Biographical References:

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

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

Hubert Davy

British, b. ?

Davy reagent methyl

(2,4-bis(methylthio)-1,3-dithia-2,4-diphosphetane-2,4-disulfide)

Davy, H. *Chem. Commun.* **1982**, 457

Davy, H. *Sulfur Lett.* **1985**, 3, 39

Davy, H.; Metzner, P. *J. Chem. Res. Synopses* **1985**, 272

Biographical references:

Sir James Dewar

20 September 1842 - 27 March 1923

Scottish, b. Kincardine-on-Forth, Scotland

Dewar benzene (bicyclo[2.2.0]hexa-2,5-diene)

Dewar, J., *Proc. Roy. Soc. Edinburgh* **1867**, 6, 82

Biographical References:

Armstrong, H.E., *J. Chem. Soc.* **1928**, 1066

Partington, J.R., *A History of Chemistry*, Vol. IV, Macmillan and Co., Ltd.: London, 1964, p. 904

William von Eggers Doering

22 June 1917 – 3 January 2011

American, b. Fort Worth, Texas, USA

Doering-Zeiss intermediate

Doering, W. von E.; Zeiss, H.H., *J. Am. Chem. Soc.* **1953**, 75, 4733

Biographical references:

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

Ainsworth, S.J. *Chem. Eng. News* **2011**, 89(4), 46

Klärner, F.G. *Angew. Chem. Int. Ed.* **2011**, 50, 2885

Eau-de-Javelle

Named after a suburb of Paris, France

Potassium hypochlorite

Berthollet, C.L. *Ann. Chim.* **1789**, 2, 151

Philip Eugene Eaton

2 June 1936 -

American, b. Brooklyn, NY, USA

Eaton reagent (7.7 wt% phosphorus pentoxide solution in methanesulfonic acid)

Eaton, P.E.; Carlson, G.R.; Lee, J.T. *J. Org. Chem.* **1973**, 38, 4071

Biographical references:

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

R.Ebert

Ebert and Merz acids

2,7-naphthalenedisulfonic acid, 2,6-naphthalenedisulfonic acid

Ebert, R.; Merz, V. *Chem. Ber.* **1876**, 9, 592

Biographical references:

Pehr Victor Edman

14 April 1916 - 19 March 1977

Swedish, b. Stockholm, Sweden

Edman's reagent

Edman, P., *Acta Chem. Scand.* **1950**, 4, 283

Biographical references:

Partridge, S.M.; Blomback, B., *Biog. Memoirs Fellows Roy. Soc.* **1979**, 25, 241

Paul Ehrlich

14 March 1854 – 20 August 1915

German, b. Strehlen, Germany (now Strzelin, Poland)

Nobel Prize Physiology and Medicine 1908

Ehrlich's reagent (1,4-aminobenzaldehyde)

Adams, R.; Coleman, G.H. *Org. Synth. Coll. Vol. I* **1932**, 214

Campaigne, E.; Archer, W.L. *Org. Synth. Coll. Vol. IV* **1963**, 331

Biographical references:

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

Dolman, C.E. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1971, Vol. 4, 295

George Leon Ellman

27 December 1923 -

American, b. Chicago, Illinois, USA

Ellman's reagent (bis(4-nitro-5-carboxylphenyl)disulfide)

Ellman, G.L. *Arch. Biochem. Biophys.* **1959**, 82, 70

Biographical references:

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

Hugo Erdmann

8 May 1862 – 25 June 1910

German, b. Pr. Holland, East Prussia

Erdmann's μ acid (Cleve's β -acid, 5-amino-naphthalene-2-sulfonic acid)

Erdmann, H. *Ann.* **1893**, 275, 262

Erdmann, H. *Ann.* **1893**, 275, 192

Biographical references:

Wichelhaus, H. *Chem. Ber.* **1910**, 43, 2073

Pogg. 4, 390; 5, 343

Albert Eschenmoser

5 August 1925 -

Swiss, b. Erstfeld, Switzerland

Eschenmoser's salt (dimethyl(methylene)ammonium iodide)

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David A. Evans

11 January 1941 -

American, b. Washington, D.C., USA

Evans auxiliary

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Herbert McLean Evans

23 September 1882 - 6 March 1971

American, b. Modesto, California, USA

Evans blue (Geigy blue)

6,6'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[4-amino-5-hydroxy-1,3-naphthalenedisulfonic acid] tetrasodium salt

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Hermann Christian von Fehling

9 June 1812 - 1 July 1885

German, b. Lübeck, Germany

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Henry John Horstman Fenton

18 February 1854 - 13 January 1929

British, b. Ealing, England

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Marcel Ernest Paul Fétizon

14 December 1926 -

French, b. Verzenay, Marne, France

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Louis Frederick Fieser

7 April 1899 - 25 July 1977

American, b. Columbus, Ohio, USA

Fieser's reagent (chromium trioxide - acetic acid)

Fieser's solution (aqueous solution of potassium hydroxide, sodium hydrosulfite, and sodium anthraquinone b-sulfonate)

Fieser, F., *J. Am. Chem. Soc.* **1924**, 46, 2639

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Ernst Otto Fischer



10 November 1918 – July 26, 2007

German, b. Munich, Germany

Nobel Prize Chemistry 1973

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Joseph Karl Anton Fischer

24 March 1901 – 16 April 1958

German, b. Pasing near Munich, Germany

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S. Forsling

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Edmond Frémy

28 February 1814 - 2 February 1894

French, b. Versailles, France

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Martin Freund

18 March 1863 – 13 March 1920

German, b. Neisse, Schlesien, Germany (now Nysa, Poland)

Freund's acid (4-amino-2,7-naphthalenedisulfonic acid)

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Richard Buckminster Fuller

12 July 1895 – 1 July 1983

American, b. Milton, Massachusetts, USA

buckminsterfullerene

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