

NAMED ORGANIC REACTIONS

(E – H)

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

Pehr Victor Edman

14 April 1916 - 19 March 1977

Swedish, b. Stockholm, Sweden

Edman degradation

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

Biographical references:

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

Geoffrey Eglinton

1 November 1927 -

British, b. Cardiff, Wales

Eglinton reaction

Eglinton, G.; Jones, E.R.H.; Shaw, B.L.; Whiting, M.C., *J. Chem. Soc.* **1954**, 1860

Biographical references:

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Bernd Eistert

9 November 1902 - 22 May 1978

German, b. Ohlau, lower Silesia, Germany

Arndt-Eistert synthesis

see Fritz Arndt

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

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Karl Elbs

13 September 1858 – 24 August 1933

German, b. Alt-Breisach, Baden, Germany

Elbs reaction

Elbs, K., Larsen, E., *Chem. Ber.* **1884**, 17, 2847
Elbs, K., *J. Prakt. Chem.* **1893**, 48, 179

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Pogg. **1904**, 4, 374; **1926**, 5, 333
Weitz, E., *Chem. Ber.* **1933**, 66A, 74

Hermann Karl Christian Maximilian Emde

10 December 1880 – 19 July 1935

German, b. Opladen, Rheinland, Germany

Emde reaction

Emde, H., *Chem. Ber.* **1909**, 42, 2590
Emde, H., *Ann. Chem.* **1912**, 391, 88
Emde, H.; Kull, H., *Arch. Pharm.* **1936**, 274, 173

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Wallrabe, G., *Chem. Ber.* **1935**, 68A, 164
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William David Emmons

18 November 1924 - 8 December 2001

American, b. Minneapolis, Minnesota, USA

Horner-Wadsworth-Emmons reaction

Horner, L.; Hoffmann, H.; Wippel, H.G., *Chem. Ber.* **1958**, 45, 61
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Richard August Carl Emil Erlenmeyer



28 June 1825 - 22 January 1909

German, b. Wehen, near Wiesbaden, Germany

Erlenmeyer (azlactone) synthesis

Erlenmeyer, E. *Ann. Chem.* **1893**, 275, 1

Ploechl, J. *Chem. Ber.* **1884**, 17, 1616

Biographical References:

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Conrad, M. *Chem. Ber.* **1910**, 43, 3645

Albert Eschenmoser

5 August 1925 -

Swiss, b. Erstfeld, Switzerland

Eschenmoser fragmentation

Eschenmoser, A.; Felix, D.; Ohloff, G. *Helv. Chim. Acta* **1967**, 50, 708

Biographical References:

Sorensen, E.J. *Helv. Chim. Acta* **2000**, 83, 1673

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Wilhelm Eschweiler

1 December 1860 - 21 March 1936

German, b. Euskirchen, Germany

Eschweiler-Clarke reaction

see Hans Thacher Clarke

Biographical references:

Biltz, W.; Seubert, K., *Angew. Chem.* **1930**, 43, 1037

Anon., *Angew. Chem.* **1936**, 49, 290

Pogg. **1904**, 4, 394

Alexandre Léon Étard

5 January 1852 – 1 May 1910

French, b. Alençon, Orne, France

Étard reaction

Etard, M.A., *Compt. Rend.* **1880**, 90, 534

Etard, M.A., *Ann. Chim. Phys.* **1881**, 22, 223

Biographical references:

Pogg. **1898**, 3, 419; **1904**, 4, 395; **1926**, 5, 346

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Alexei Yevgrafovich Favorskii

6 March 1860 - 8 August 1945

Russian, b. Pavlovo, Russia

Favorskii rearrangement

Favorskii, A.E., *J. Prakt. Chem.* **1913**, 88, 658

Biographical references:

Kuznetsov, V.I. in Gillispie, Charles Coulston (ed.), *Dictionary of Scientific Biography*, Charles Scribner & Sons: New York, 1971, Vol. 4, 553

Herman Christian von Fehling

9 June 1812 - 1 July 1885

German, b. Lübeck, Germany

Fehling reaction

Fehling, H., *Ann. Chem.* **1849**, 72, 106

Biographical references:

Anon., *J. Chem. Soc.* **1886**, 49, 346

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

Henry John Horstman Fenton

18 February 1854 - 13 January 1929

British, b. Ealing, England

Fenton reaction

Fenton, H.J.H., *Proc. Chem. Soc.* **1893**, 9, 113

Ruff-Fenton degradation

Ruff, O., *Chem. Ber.* **1898**, 31, 1573

Biographical references:

W.H.M., *J. Chem. Soc.* **1930**, 889

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Hans Finkelstein

17 May 1885 – December 1938

German, b. Leipzig, Germany

Finkelstein reaction

Perkin, W.H.; Duppa, B.F., *Ann. Chem.* **1859**, 112, 125

Finkelstein, H., *Chem. Ber.* **1910**, 43, 1528

Biographical references:

Baker, W.; McOmie, J.F.W., *Chem. Ber.* **1959**, 92, XXXVII

Emil Hermann Fischer



9 October 1852 - 15 July 1919
German, b. Euskirchen, Germany

Nobel Prize Chemistry 1902

Fischer esterification

Fischer, E.; Speier, A., *Chem. Ber.* **1895**, 28, 3252

Fischer indole synthesis

Fischer, E.; Jourdan, F., *Chem. Ber.* **1883**, 16, 2241

Kiliani-Fischer synthesis

Kiliani, H., *Chem. Ber.* **1885**, 18, 3066

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Ernst Otto Fischer



10 November 1918 –

German, b. Munich, Germany

Nobel Prize Chemistry 1973

Fischer-Hafner reaction

Fischer, E.O.; Hafner, W. GB 829574 (1960-03-02)

Fischer, E.O.; Hafner, W.; Ofele, K. *Chem. Ber.* **1959**, 92, 3050

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American Chemical Society: Washington, DC, 1993, p. 551

Franz Joseph Emil Fischer

19 March 1877 - 1 December 1947

German, b. Freiburg im Breisgau, Germany

Fischer-Tropsch process

Fischer, F.; Tropsch, H., *Chem. Ber.* **1923**, 56, 2428

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Otto Philipp Fischer

28 November 1852 – 4 April 1932

German, b. Euskirchen, Rheinland, Germany

Fischer-Hepp rearrangement

Fischer, O.; Hepp, E. *Ber.* **1886**, 19, 2291

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Fischer, O. *Ber.* **1912**, 45, 1098

Biographical references:

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Rudolph Fittig



6 December 1835 - 19 November 1910

German, b. Hamburg, Germany

Wurtz-Fittig reaction

Tollens, B.; Fittig, R., *Ann. Chem.* **1864**, 131, 303

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Curt Freytag

17 June 1884 - ?

German, b. ?

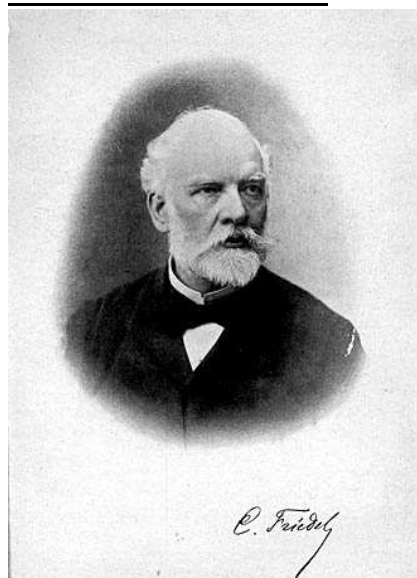
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see August Wilhelm von Hofmann, Karl Löffler

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Charles Friedel



12 March 1832 - 20 April 1899

French, b. Strasbourg, France

Friedel-Crafts alkylation reaction

Friedel-Crafts acylation reaction

see James Mason Crafts

Biographical references:

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Paul Friedländer

29 August 1857 - 4 September 1923

German, b. Königsberg, Prussia

Friedländer synthesis

Friedländer, P., *Chem. Ber.* **1882**, 15, 2572

Biographical references:

von Weinberg, A., *Chem. Ber.* **1924**, 57A, 13

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Karl Theophil Fries

13 March 1875 - 6 September 1962

German, b. Kiedrich, near Wiesbaden, Germany

Photo-Fries rearrangement, Fries rearrangement

Fries, K.; Finck, G., *Chem. Ber.* **1908**, 41, 4271

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Paul Ernst Moritz Fritsch

10 April 1859 - 11 April 1913

German, b. Oels, Schlesien, Germany

Fritsch-Buttenberg-Wiechell rearrangement

see Wilhelm Paul Buttenberg, H. Wiechell

Biographical references:

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

7 November 1851 - 22 March 1924

German, b. Berlin, Germany

Gabriel synthesis

Gabriel, S., *Chem. Ber.* **1887**, 20, 2224

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Ludwig Gattermann

20 April 1860 - 20 June 1920

German, b. Goslar, Germany

Gattermann-Koch reaction

Gattermann, L.; Koch, J.A., *Chem. Ber.* **1897**, 30, 1622

Gattermann reaction

Gattermann, L., *Chem. Ber.* **1898**, 31, 1149

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Carl Andreas Glaser

27 June 1841 – 25 July 1935

German, b. Kirchheimbolanden, Rheinpfalz, Germany

Glaser coupling reaction

Glaser, C., *Chem. Ber.* **1869**, 2, 422

Biographical references:

Pogg. **1898**, 3, 526; **1904**, 4, 503; **1937**, 6(2), 901; **1958**, 7A(2), 210

Kunz, M.A., *Chem. Ber.* **1935**, 68A, 166

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Carl Goldschmidt

1861 – 1923

Bamberger-Goldschmidt synthesis of isoquinolines

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

Biographical references:

Moses Gomberg

8 February 1866 - 12 February 1947

Ukrainian-American, b. Elisabetgrad, Ukraine, now Kirovograd, Ukraine

Gomberg-Bachmann reaction

see Werner Emmanuel Bachmann

Biographical references:

Bailar, J.C., Jr., *Biog. Memoirs Natl. Acad. Sci.* **1970**, 41, 141

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William Hardin Graham

27 April 1932 -

American, b. Birmingham, Alabama, USA

Graham reaction

Graham, W.H., *J. Am. Chem. Soc.* **1965**, 87, 4396

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Paul Anthony Grieco

27 October 1944 -

American, b. Framingham, Massachusetts, USA

Grieco condensation

Grieco, P.A.; Bahsas, A. *Tetrahedron Lett.* **1988**, 29, 5855

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Johann Peter Griess

6 September 1829 – 30 August 1888

German, b. Kirchhesbach, Hessen, Germany

Griess reaction (diazotization reaction)

Griess, P., *Ann. Chem.* **1858**, 106, 123

Biographical references:

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Victor François Auguste Grignard



6 May 1871 - 13 December 1935

French, b. Cherbourg, France

Nobel Prize Chemistry 1912

Grignard reaction

Grignard, V., *Compt. Rend.* **1900**, 130, 1322

Biographical references:

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Cyril A. Grob

12 March 1917 – 15 December 2003

British, b. Streatham, England

Grob fragmentation

Grob, C.A., Baumann, W., *Helv. Chim. Acta* **1955**, 38, 594

Grob, C.A., *Angew. Chem. Int. Engl. Ed.* **1969**, 8, 535

Biographical references:

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Marcel Guerbet

5 July 1861 – 20 December 1938

French, b. Clamecy, France

Guerbet reaction

Guerbet, M. *Comptes Rend.* **1899**, 128, 511

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Guerbet, M. *Annales de Chimie* **1902**, 7(27), 67

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Albrecht Haack

6 December 1898 – 22 September 1976

German, b. Südende bei Berlin, Germany

Vilsmeier-Haack-Arnold reaction

Vilsmeier, A.; Haack, A., *Chem. Ber.* **1927**, *60*, 119

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Biographical references:

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Walter Hafner

Fischer-Hafner reaction

see Ernst Otto Fischer

Biographical references:

Dalziel Llewellyn Hammick

8 March 1887 - 17 October 1966

British, b. West Norwood, London, England

Hammick reaction

Dyson, P.; Hammick, D.L., *J. Chem. Soc.* **1937**, 1724

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Arthur Rudolf Hantzsch

7 March 1857 - 14 March 1935

German, b. Dresden, Germany

Hantzsch pyridine synthesis

Hantzsch, A., *Ann. Chem.* **1882**, 215, 1

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Biographical references:

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Charles Roy Hauser

8 March 1900 - 6 January 1970

American, b. California, USA

Sommelet-Hauser rearrangement

Sommelet, M., *Compt. Rend.* **1937**, 205, 56

Hauser, C.R.; Kantor, S.W., *J. Am. Chem. Soc.* **1951**, 73, 1437

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Carl Dietrich Harries

5 August 1866 – 3 November 1923

German, b. Luckenwalde, Mark Brandenburg, Germany

Harries ozonolysis reaction

Harries, C., *Ann. Chem.* **1905**, 343, 311

Biographical references:

Pogg. **1904**, 4, 587; **1926**, 5, 500; **1937**, 6(2), 1029

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Nagel, W., *Angew. Chem.* **1924**, 37, 105

Robert Downs Haworth

15 March 1898 - 19 May 1990

British, b. near Manchester, England

Haworth phenanthrene synthesis

Haworth, R.D. *J. Chem. Soc.* **1932**, 1125; 2717

Haworth, R.D.; Letsky, B.M.; Mavin, C.R. *J. Chem. Soc.* **1932**, 1784

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Biographical references:

Jones, Sir E. *Biog. Mem. Fellows Roy. Soc.* **1991**, 37, 263

Richard Fred Heck

15 August 1931 -

American, b. Springfield, Massachusetts, USA

Heck reaction

Heck, R.F.; Nolley, J.P., Jr., *J. Org. Chem.* **1972**, 37, 2320

Biographical references:

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

10 June 1887 - 5 July 1982

German, b. Griefswald, Germany

Helferich method

Helferich, B.; Schmitz-Hillebrecht, E. *Chem. Ber.* **1933**, 66, 378

Biographical references:

Bredereck, H. *Angew. Chem.* **1957**, 69, 405

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Carl Magnus von Hell

8 September 1849 - 11 December 1926

German, b. Stuttgart, Germany

Hell-Volhard-Zelinsky reaction

Hell, C., *Chem. Ber.* **1881**, 14, 891

Volhard, J., *Ann. Chem.* **1887**, 242, 141

Zelinsky, N., *Chem. Ber.* **1887**, 20, 2026

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Louis Henry

26 December 1834 – 9 March 1913

Belgian, b. Marche, Belgium

Henry reaction

Henry, L., *Compt. Rend.* **1895**, 120, 1265

Biographical references:

Pogg. **1904**, 4, 617; **1926**, 5, 521

Eduard Hepp

11 June 1851 – 18 June 1917

German, b. Strasburg, Germany (now France)

Fischer-Hepp rearrangement

Fischer, O.; Hepp, E. *Ber.* **1886**, 19, 2291

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M.E.D. Hillman

German, b. ?

Baylis-Hillman reaction

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