

NAMED ORGANIC REACTIONS

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Ludwig Ramberg

21 February 1874 - 25 December 1940

German, b. Hälsingborg, Germany

Ramberg-Bäckland rearrangement

see Birger Bäckland

Biographical references:

Myrback, K., Chem. Ber. **1941**, 74A, 109

Sergei Nikolaevich Reformatskii

1 April (20 March) 1860 - 28 July 1934

Russian, b. Borisoglebskoe, near Ivanovo, Russia

Reformatskii reaction

Reformatskii, S., Chem. Ber. **1887**, 20, 1210

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Semenzow, A., Chem. Ber. **1935**, 68A, 61

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Manfred Regitz

1935 -

German, b. Saarland, Germany

Regitz diazo transfer reaction

Regitz, M., Angew. Chem. Int. Engl. Ed., **1967**, 6, 733

Biographical references:

Mackewitz, T.W.; Regitz, M., Synthesis **1998**, 125

Karl Ludwig Reimer

25 December 1845 - 15 January 1883

German, b. Leipzig, Germany

Reimer-Tiemann reaction

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Hofmann, A.W., Chem. Ber. **1883**, 16, 99

Victor von Richter

15 April 1841 - 8 October 1891

German, b. Dublau in Kurland, Germany

von Richter reaction

v. Richter, V., Chem. Ber. **1871**, 4, 21

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John Joseph Ritter

25 July 1895 - ?

American, b. New York, New York, USA

Ritter reaction

Ritter, J.J.; Minieri, P.P., J. Am. Chem. Soc. **1948**, 70, 4045

Biographical references:

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Providence, N.J., 1967

Sir Robert Robinson



13 September 1886 - 8 February 1975

British, b. Bufford, near Chesterfield, Derbyshire, England

Nobel Prize Chemistry 1947

Robinson annulation

Rapson, W.S.; Robinson, R., *J. Chem. Soc.* **1935**, 1285
Du Feu, E.C.; McQuillin, F.J., Robinson, R., *J. Chem. Soc.* **1937**, 53

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Karl Wilhelm Rosenmund

15 December 1884 - 1965

German, b. Berlin, Germany

Rosenmund reduction

Rosenmund, K.W., *Chem. Ber.* **1918**, 51, 585

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Otto Ruff

30 December 1871 - 17 September 1939

German, b. Schwäbisch-Hall, Germany

Ruff-Fenton degradation

see Henry John Horstman Fenton

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Hans Rupe

9 October 1866 - 12 January 1951

Swiss, b. Basel, Switzerland

Rupe rearrangement

Rupe, H.; Kambli, E., Helv. Chim. Acta **1926**, 9, 672

Biographical references:

Dahn, H.; Reichsrein, T., Helv. Chim. Acta **1952**, 35, 1

Hideki Sakurai

16 May 1931 –

Japanese, b. ?

Hosomi-Sakurai reaction

See A. Hosomi

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Traugott Sandmeyer

15 September 1854 - 9 April 1922

Swiss, b. Wettingen, near Zurich, Switzerland

Sandmeyer reaction

Sandmeyer, T., Chem. Ber. **1884**, 17, 1633

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Frederick Sanger



13 August 1918 -
British, b. Rendcombe, Gloucestershire, England

Nobel Prizes Chemistry 1958 and 1980

Sanger method

Sanger, F., *Biochem. J.* **1945**, 39, 507

Biographical references:

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

Lewis Hastings Sarett

22 December 1917 - 21 November 2000
American, b. Champaign, Illinois, USA

Sarett procedure

Poos, G.I.; Arth, G.E.; Beyler, R.E.; Sarett, L.H., J. Am. Chem. Soc. **1953**, 75, 422

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Gunther Robert Arthur Schiemann

7 November 1899 - 1969

German, b. Breslau, Germany, now Wroclaw, Poland

Schiemann reaction

Balz, G.; Schiemann, G., Chem. Ber. **1927**, 60, 1186

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Manfred Schlosser

1934 -

German, b. Ludwigshafen, Germany

Schlosser modification of Wittig reaction

Schlosser, M.; Christmann, F.K.; Piskala, A.; Coffinet, D., Synthesis **1971**, 29

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Schlosser, M., Angew. Chem. Int. Eng. Ed. **1998**, 37, 1496

J. Gustav Schmidt

German, b. ?

Claisen-Schmidt rearrangement

see Rainer Ludwig Claisen

Biographical references:

Karl Friedrich Schmidt

28 August 1887 - 1971

German, b. Heidelberg, Germany

Schmidt reaction

Schmidt, K.F., Chem. Ber. **1924**, 57, 704

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

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Rudolf Schmitt

5 August 1830 - 18 February 1898

German, b. Wippershein bei Hersfeld in Hessen, Germany

Kolbe-Schmitt reaction

see Adolph Wilhelm Hermann Kolbe

Biographical references:

Hempel, W., Chem. Ber. **1898**, 31, 3359

Abraham Schneider

Bartlett-Condon-Schneider reaction

see Paul Doughty Bartlett

Biographical references:

Carl Ludwig Johannes Schotten

12 July 1853 - 9 January 1910

Swiss, b. Schwester, Bruder, Switzerland

Schotten-Baumann reaction

see Eugen Baumann

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Kurt Eduard Schuster

6 June 1892 – 8 February 1990

German, b. Weiden, Germany

Meyer-Schuster rearrangement

see Kurt Heinrich Meyer

Biographical references:

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Robert Howard Shapiro

18 July 1935 -

American, b. New Haven, Connecticut, USA

Shapiro reaction

Shapiro, R.H.; Heath, M.J., J. Am. Chem. Soc. **1967**, 89, 5734

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Karl Barry Sharpless

28 April 1941 -

American, b. Philadelphia, Pennsylvania, USA

Nobel Prize Chemistry 2001

Sharpless epoxidation

Katsuki, T.; Sharpless, K.B., J. Am. Chem. Soc. **1980**, 102, 5974

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Howard Ensign Simmons, Jr.

17 June 1929 – 26 April 1997

American, b. Norfolk, Virginia, USA

Simmons-Smith reaction

Simmons, H.E.; Smith, R.D., J. Am. Chem. Soc. **1958**, 80, 5323

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Zdenko Hans Skraup

3 March 1850 - 10 September 1910

Czech, b. Prague, Czech Republic

Skraup reaction

Skraup, Z.H., Chem. Ber. **1880**, 13, 2086

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Samuel Smiles

17 July 1877 - 6 May 1953

British, b. Belfast, Northern Ireland

Smiles rearrangement

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Levy, A.A.; Rains, H.C., Smiles, S., J. Chem. Soc. **1931**, 3264

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Ronald Dean Smith

27 July 1930 -

American, b. Oakland, California, USA

Simmons-Smith reaction

see Howard Ensign Simmons, Jr.

Biographical references:

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Ernest Solvay

16 April 1838 - 26 May 1922
Belgian, b. Rebecq-Rognon, near Brussels, Belgium

Solvay process

Biographical references:

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Marcel Sommelet

16 January 1877 - 17 October 1952

French, b. Langres, France

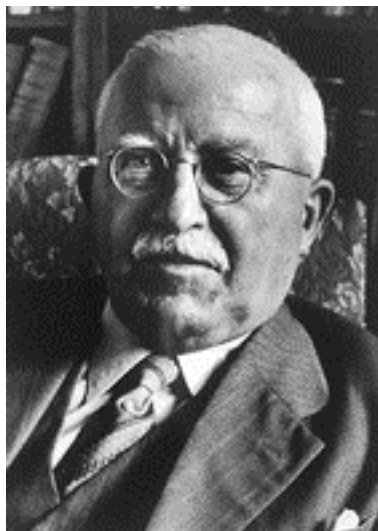
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see Charles Roy Hauser

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Hermann Staudinger



23 March 1881 - 8 September 1965
German, b. Worms, Germany

Nobel Prize Chemistry 1953

Staudinger reaction

Staudinger, H.; Meyer, J., *Helv. Chim. Acta* **1919**, 2, 635

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Henry Stephen

British, b. ?

Stephen reduction (aldehyde synthesis)

Stephen, H., J. Chem. Soc. **1925**, 1874

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Hermann Stetter

16 May 1917 –

German, b. Bonn, Germany

Stetter reaction

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Biographical references:

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Thomas Stevens Stevens

8 October 1900 - ?

Scottish, b. Renfrew, Scotland

McFadyen-Stevens reaction

see John S. McFadyen

Stevens rearrangement

Stevens, T.S.; Creighton, E.M.; Gordon, A.B.; MacNicol, M., J. Chem. Soc. **1928**, 3193

Bamford-Stevens reaction

see W.R. Bamford

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W. Clark Still, Jr.

31 August 1946 –

American, b. Augusta, Georgia, USA

Still-Wittig rearrangement

Still, W.C.; Mitra, A., *J. Am. Chem. Soc.* **1978**, 100, 1927

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John Kenneth Stille

8 May 1930 - July 19 1989

American, b. Tucson, Arizona, USA

Stille coupling reaction

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Biographical references:

Stille, J.K.; Lau, K.S.Y., *Acc. Chem. Res.* **1977**, 10, 434

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Johann Hans Hermann August Adolph Stobbe

9 June 1860 - 3 August 1938

German, b. Tiegenhof, near Danzig, Germany

Stobbe condensation

Stobbe, H., *Chem. Ber.* **1893**, 26, 2312

Biographical references:

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Gilbert Stork

31 December 1921 -

Belgian-American, b. Brussels, Belgium

Stork enamine synthesis

Stork, G.; Terrell, R.; Szmuszkovicz, J., J. Am. Chem. Soc. **1954**, 76, 2029

Biographical references:

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Adolf Friedrich Ludwig Strecker

21 October 1822 - 7 November 1871

German, b. Darmstadt, Germany

Strecker synthesis

Strecker, A., Ann. Chem. **1850**, 75, 27

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Akira Suzuki

12 September 1930 -

Japanese, b. Hokkaido, Japan

Suzuki coupling

Miyaura, N.; Suzuki, A., Chem. Commun., **1979**, 866

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Daniel Swern

21 January 1916 - 1982

American, b. New York, New York, USA

Swern oxidation

Omura, K.; Swern, D., Tetrahedron **1978**, 34, 1651

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Sir Jocelyn Field Thorpe

1 December 1872 - 10 June 1940

British, b. London, England

Thorpe reaction

Baron, H.; Remfry, F.G.P.; Thorpe, J.F., J. Chem. Soc. **1904**, 85, 1726

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Johann Karl Wilhelm Ferdinand Tiemann

10 June 1848 - 14 November 1899

German, b. Rübeland, Harz, Germany

Reimer-Tiemann reaction

see Karl Ludwig Reimer

Tiemann rearrangement of amide oxides

Tiemann, F., Chem. Ber. **1891**, 24, 4162

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Marc Émile Pierre Adolphe Tiffeneau

5 November 1873 - 20 May 1945

French, b. Mouy, France

Tiffeneau-Demjanov rearrangement

See Nikolai Jakovlevich Demjanov

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Vyacheslav Evgenievich Tishchenko (Tishenko)

7 August 1861 – 1941

Russian, b. St. Petersburg, Russia

Tishchenko reaction

Tishenko, V., *J. Russ. Phys. Chem. Soc.* **1906**, 38, 355
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Biographical references:

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Bernhard Christian Gottfried Tollens

30 July 1841 - 31 January 1918

German, b. Hamburg, Germany

Tollens test

Tollens, B., *Chem. Ber.* **1882**, 15, 1635

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Hans Tropsch

1889 - 1935

Czech-German, b. Planá, Czech Republic

Fischer-Tropsch process

see Franz Joseph Emil Fischer

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Jiro Tsuji

Japanese, b. ?

Wacker-Tsuji oxidation

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