

NAMED LABORATORY APPARATUS

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

Felix Richard Allihn

1854 - 29 September 1915
German, b. ?

Allihn condenser

Allihn, F.R., *Chem. Ztg.* **1886**, 10, 52

Biographical References:

Anon., *Angew. Chem.* **1915**, 28(III), 560

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Arnold Orville Beckman

10 April 1900 –
American, b. Cullom, Illinois, USA

Beckman pH meter

Biographical References:

Wilson, E., *Chem. Eng. News* **2000**, 78(15), 17

Eduard Büchner



20 May 1860 - 13 August 1917
German, b. Munich, Germany

Nobel Prize Chemistry 1907

Büchner funnel

Biographical References:

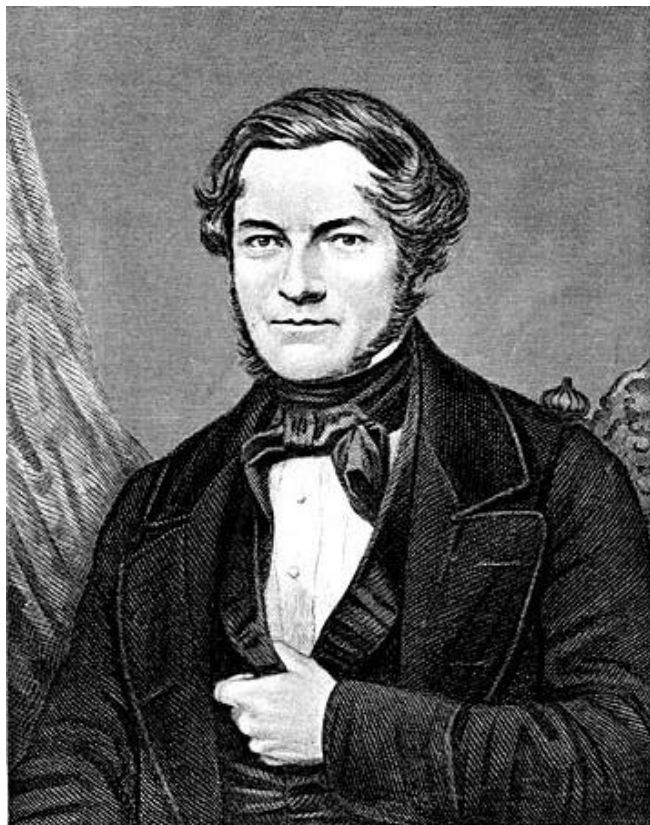
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Robert Wilhelm Eberhard Bunsen



31 March 1811 - 16 August 1899
German, b. Göttingen, Germany

Bunsen burner

Biographical References:

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

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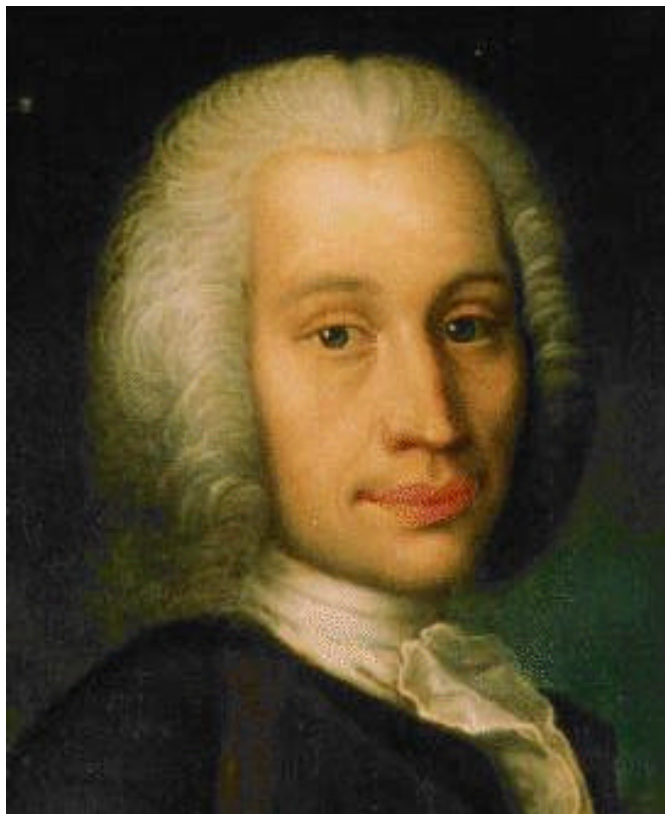
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Anders Celsius



27 November 1701 - 25 April 1744
Swedish, b. Uppsala, Sweden

Celsius temperature scale

Biographical References:

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

Rainer Ludwig Claisen

14 January 1851 - 5 January 1930

German, b. Cologne, Germany

Claisen flask

Claisen adapter

Biographical References:

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p. 813

Davies

Davies double surface condenser

Davies, *Chem. Ztg.* **1907**, 31, 761

Biographical References:

Ernest Woodward Dean

28 September 1888 – 1959

American, b. Taunton, Massachusetts, USA

Dean-Stark apparatus

Dean, E.W.; Stark, D.D., *Ind. Eng. Chem.* **1920**, 12, 486

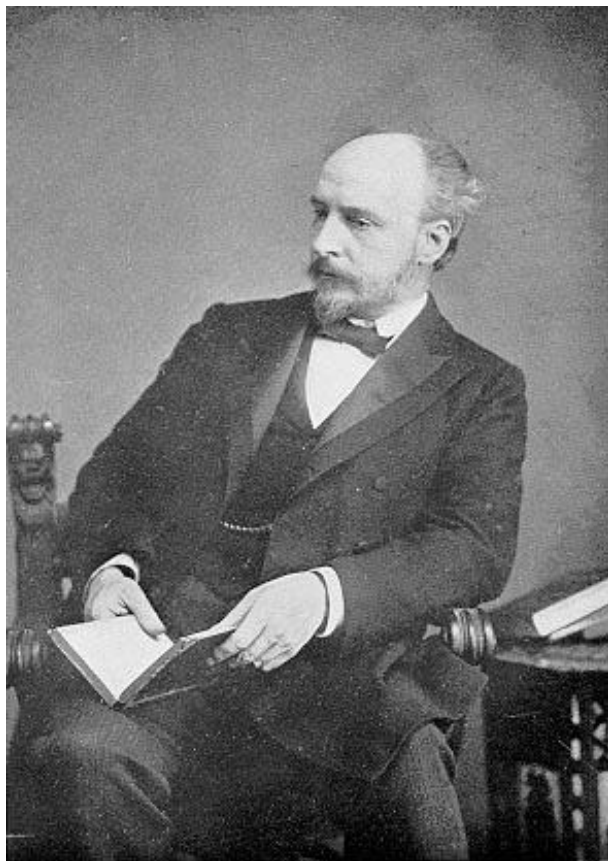
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Sir James Dewar



20 September 1842 - 27 March 1923
Scottish, b. Kincardine-on-Forth, Scotland

Dewar flask

Biographical References:

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

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Otto Dimroth

28 March 1872 – 16 May 1940
German, b. Bayreuth, Germany

Dimroth condenser

Biographical references:

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Criegee, R., *Chem. Ber.* **1941**, 74 IA, 3
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Harold Baily Dixon

11 August 1852 - 18 September 1930
British, b. London, England

Dixon gauze rings

Biographical References:

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Johann Wolfgang Döbereiner



13 December 1780 - 24 March 1849

German, b. Bug bei Hof, Hofander Saale, Bavaria, Germany

Döbereiner lamp

Döbereiner, J., *Ann. Physik* **1823**, 74, 269

Döbereiner, J., *Ann. Chim.* **1823**, 24, 91

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Samuel Felix Dufton

14 February 1867 - 24 June 1943

British, b. Leeds, England

Dufton column

Dufton, S.F., *J. Soc. Chem. Ind.* **1919**, 38, 45T

Biographical References:

Hewitt, J.T., *J. Chem. Soc.* **1943**, 508

Richard August Carl Emil Erlenmeyer



28 June 1825 - 22 January 1909

German, b. Wehen, near Wiesbaden, Germany

Erlenmeyer flask

Biographical References:

W.H.P., *J. Chem. Soc.* **1911**, 99, 1649

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Gabriel Daniel Fahrenheit

24 May 1686 - 16 September 1736

German, b. Danzig, Germany, now Gdansk, Poland

Fahrenheit temperature scale

Fahrenheit, G.D., *Phil. Trans.* **1724**, 33, 1

Biographical References:

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Merrell Robert Fenske

5 June 1904 - 28 September 1971

American, b. Michigan City, Indiana, USA

Fenske rings

Fenske, M.R., *Ind. Eng. Chem.* **1932**, 24, 482

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Fritz Walter Paul Friedrichs

28 July 1885 - 12 March 1958

German, b. Stützerbach, Germany

Friedrichs condenser

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Friedrichs filter funnel

Friedrichs, F., *Angew. Chem.* **1909**, 21, 2319

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Biographical References:

Pogg. **1969**, 7A, 125

Max Paul Wolfgang Gaede

25 May 1878 - 28 June 1945

German, b. Lehe, now part of Bremerhaven, Germany

Gaede oil diffusion pump

Gaede, W., *Z. Tech. Physik* **1932**, 13, 210

Biographical References:

Redhead, Paul A. (ed.), *Vacuum Science and Technology: Pioneers of the 20th Century*, AIP Press: New York, 1994

Frank Austin Gooch

2 May 1852 – 12 August 1929

American, b. Watertown, Massachusetts, USA

Gooch crucible

Gooch, F.A. *Am. Chem. J.* **1880**, 2, 247

Gooch, F.A.; Medway, H.E. *Am. J. Sci.* **1903**, 15[4], 320

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John Joseph Griffin

22 January 1802 - 9 June 1877

British, b. London, England

Griffin beaker

Biographical References:

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Emanuel Benjamin Hershberg

28 July 1908 -

American, b. Lynn, Massachusetts, USA

Hershberg stirrer

Hershberg, E.B., *Ind. Eng. Chem.* **1936**, 8, 313

Hershberg dropping tube

Fieser, L.F.; Hershberg, E.B., *Org. Synth. Coll. Vol. II* **1943**, 2, 128

Biographical References:

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Walter Mathias Hempel

5 May 1851 - 1 December 1916
German, b. Pulsnitz, Germany

Hempel column

Hempel pipet

Biographical References:

Foerster, F., *Chem. Ber.* **1920**, 53A, 123

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Kenneth Claude Devereux Hickman

4 February 1896 -
British-American, b. London, England

Hickmann oil diffusion pump

Hickmann, K.C.D.; Sanford, C.R., *Rev. Sci. Instrum.* **1930**, 1, 140

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Pogg. **1937**, 6, 1115

Hirsch

Hirsch funnel

Biographical References:

George Holzman

25 January 1920 –
American, b. Los Angeles, California, USA

Holzman column

Gould, C.W., Jr.; Holzman, G.; Niemann, C., *Anal. Chem.* **1948**, 20, 361

Biographical References:

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Martin Hans Christian Knudsen

15 February 1871 - 27 May 1949
Danish, b. Hasmark, Fyn, Denmark

Knudsen vacuum gauge

Knudsen, M., *Ann. Physik (Leipzig)* **1910**, 31, 633

Biographical References:

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Rudolf Lessing

1878 - 2 September 1964
German-British, b. Bavaria, Germany

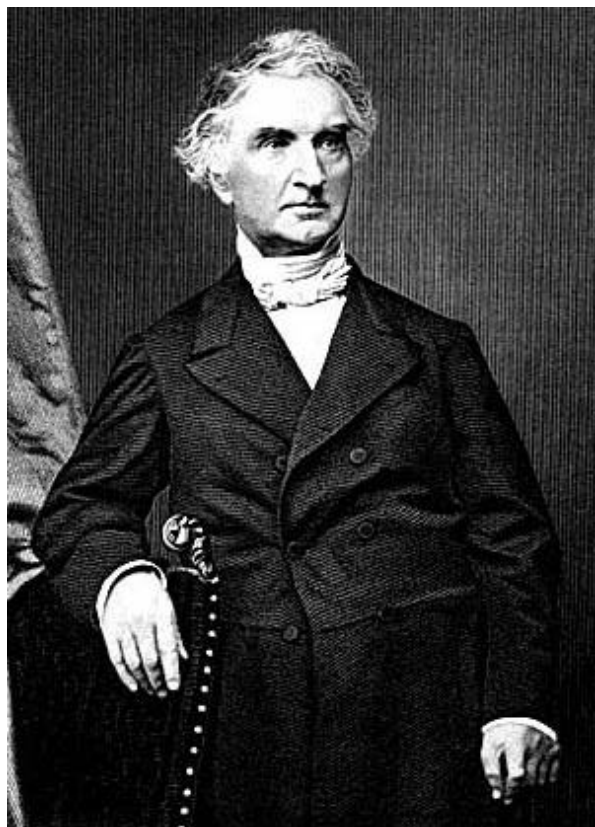
Lessing rings

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Justus Freiherr von Liebig



12 May 1803 - 18 April 1873
German, b. Darmstadt, Germany

Liebig condenser

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Herbert McLeod

9 February 1841 - 3 October 1923

British, b. Stoke Newington, England

McLeod vacuum gauge:

McLeod, H., *Phil. Mag.* **1874**, 48, 110

Biographical References:

Marland, E.A., *Vacuum* **1973**, 23, 171

Morely, H.F., *J. Chem. Soc.* **1924**, 125, 990

Viktor Meyer

8 September 1848 - 8 August 1897

German, b. Berlin, Germany

Viktor Meyer tube, Viktor Meyer method

Meyer, V., *Chem. Ber.* **1876**, 9, 1216

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Louis Pasteur



27 December 1822 - 28 September 1895
French, b. Dôle, France

Pasteur pipet

Biographical References:

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Frans Michel Penning

1894 – 1953

Penning vacuum gauge

Penning, F.M., *Physica's Grav.* **1937**, 4, 71

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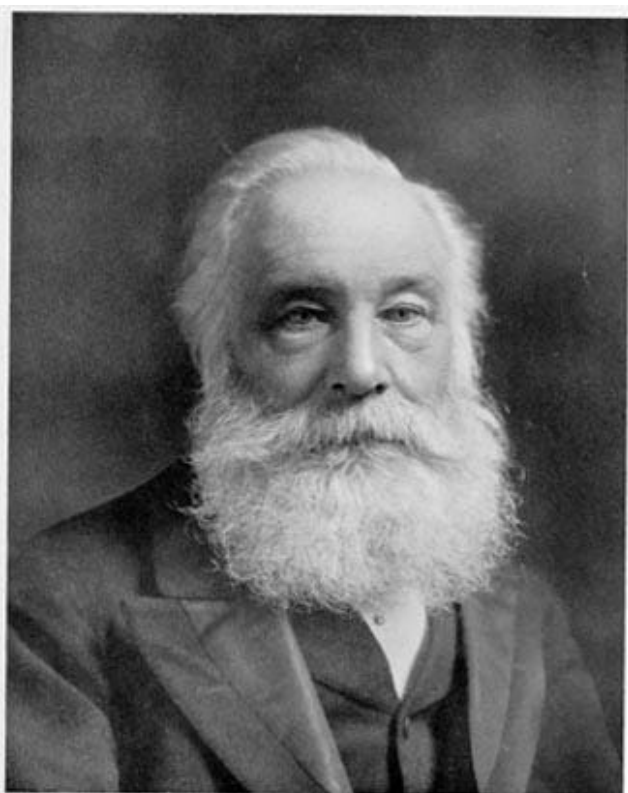
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<http://libraries.mit.edu/services/barton.html>

Sir William Henry Perkin



*Yours sincerely
W. H. Perkin*

12 March 1838 - 14 July 1907

British, b. Shadwell, South London, England

Perkin triangle

Biographical References:

Meldola, R., *J. Chem. Soc.* **1908**, 93, 2214

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

1 July 1880 - 11 January 1968
Italian-German, b. Berlin, Germany

Pirani vacuum gauge

Pirani, M.; Neumann, E., *Electron. Engng.* **1944/5**, 17, 335

Biographical References:

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Friedrich August Fritz Raschig

8 June 1863 - 4 February 1928
German, b. Brandenburg, Germany

Raschig rings

Biographical References:

Rosenheim, A., *Chem. Ber.* **1929**, 62A, 109

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Wilhelm Schlenk

22 March 1879 - 29 April 1943

German, b. Munich, Germany

Schlenk tube, Schlenk flask

Schlenk, W.; Thal, A. *Chem. Ber.* **1913**, 46, 2840

Biographical References:

Pogg. **1961**, 7A, 122

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Otto Friedrich Schott

17 December 1851 - 27 August 1935

German, b. Witten, Germany

Schott glass

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Anon., *Chem. Ber.* **1935**, 68A, 168

Weyl, W., *Angew. Chem.* **1935**, 48, 677

Franz von Soxhlet

12 January 1848 - 1926

German, b. Brünn, Mähren, Germany

Soxhlet extraction apparatus

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David D. Stark

1893 - ?

Dean-Stark apparatus

see Ernest Woodward Dean

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Donald Frank Stedman

4 April 1900 -

British-Canadian, b. Sussex, England

Stedman column

Stedman, D.F., *Can. Chem. Met.* **1937**, 21, 214

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American Men of Science, 10th ed., The Jacques Cattell Press: Tempe, AZ, 1961

Friedrich Karl Johannes Thiele

13 May 1865 - 17 April 1918

German, b., Ratibor, Germany, now Racibórz, Poland

Thiele tube:

Thiele, J., *Chem. Ber.* **1917**, 40, 996

Biographical References:

Straus, F., *Chem. Ber.* **1927**, 60A, 75

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

Strauss, F., *Angew. Chem.* **1918**, 31, 117

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Pierre Vernier

1580 - 14 September 1637

French, b. Ornans, France

Vernier calipers

Biographical References:

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M. Henri Vigreux

French, b. ?

Vigreux column

Vigreux, M.H., *Bull. Soc. Chim. Fr. Ser. 4* **1908**, 3, 855

West

West condenser

Biographical References:

Gustav Widmer

Swiss, b. ?

Widmer column

Widmer, G., *Helv. Chim. Acta* **1924**, 7, 59

Biographical References:

Zimmerli

Zimmerli vacuum gauge

Biographical References: