

NAMED LABORATORY APPARATUS

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Ernst Karl Abbé

23 January 1840 – 14 January 1905

German, b. Eisenach, Germany

Abbé refractometer

Biographical References:

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Emil Abderhalden

9 March 1877 – 5 August 1950

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

Abderhalden drying pistol

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Felix Richard Allihn

1854 - 29 September 1915

German, b. ?

Allihn condenser

Allihn, F.R. *Chem. Ztg.* **1886**, 10, 52
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Arnold Orville Beckman

10 April 1900 –

American, b. Cullom, Illinois, USA

Beckman pH meter

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Ernst Otto Beckmann

4 July 1853 - 12 July 1923

German, b. Sölingen, Germany

Beckmann thermometer, Beckmann method

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Ernst Wilhelm Büchner

1850 - 1925

German, b. ?, Germany

Büchner funnel

Buchner, E. *Chem. Ztg.* **1888**, 12, 1277.

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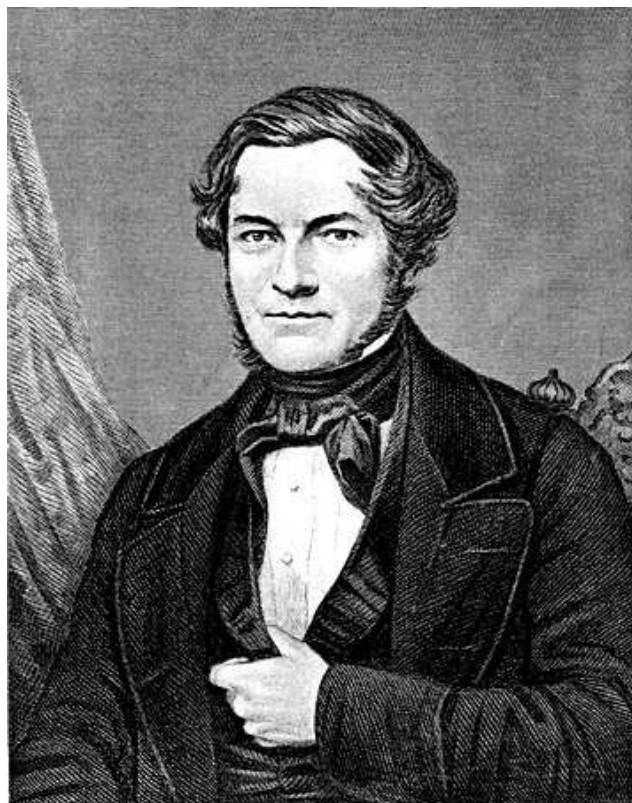
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Robert Wilhelm Eberhard Bunsen



31 March 1811 - 16 August 1899

German, b. Göttingen, Germany

Bunsen burner

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Georg Ludwig Carius

24 August 1829 – 24 April 1875

German, b. Barbis, Germany

Carius tube

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Anders Celsius



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

Celsius temperature scale

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Rainer Ludwig Claisen

14 January 1851 - 5 January 1930
German, b. Cologne, Germany

Claisen flask

Claisen adapter

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Lyman Creighton Craig

12 June 1906 – 7 July 1974

American, b. Carlisle, Iowa

Craig's rotary evaporator

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John Frederic Daniell

12 March 1790 - 13 March 1845

British, b. London, England

Daniell cell

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Davies

Davies double surface condenser

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Ernest Woodward Dean

28 September 1888 – 1959

American, b. Taunton, Massachusetts, USA

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Sir James Dewar



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

Dewar flask

Dewar, J. *Proc. Roy. Soc. London A* **1905**, 76, 325

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Otto Dimroth

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

Dimroth condenser

Biographical references:

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Harold Baily Dixon

11 August 1852 - 18 September 1930

British, b. London, England

Dixon gauze rings

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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

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Heinrich Ferdinand Edmond Dreschel

3 September 1843 – 22 September 1897

German, Leipzig, Germany

Dreschel bottle

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Samuel Felix Dufton

14 February 1867 - 24 June 1943

British, b. Leeds, England

Dufton column

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Biographical References:

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Richard August Carl Emil Erlenmeyer



28 June 1825 - 22 January 1909

German, b. Wehen, near Wiesbaden, Germany

Erlenmeyer flask

Biographical References:

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Friedrich Gustav Carl Emil Erlenmeyer

14 July 1864 - 8 February 1921

German, b. Heidelberg, Germany

Erlenmeyer flask

Biographical references:

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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

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Fritz Walter Paul Friedrichs

28 July 1885 - 12 March 1958

German, b. Stützerbach, Germany

Friedrichs condenser

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Johan Gadolin

1760 – 1852

Finnish, b. ?

Gadolin condenser

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Max Paul Wolfgang Gaede

25 May 1878 - 28 June 1945

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

Gaede oil diffusion pump

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Hans Johannes Wilhelm Geiger

30 September 1882 - 24 September 1945

German, b. Neustadt-an-der-Haardt (now Neustadt-an-der-Weinstrasse),
Rheinland-Pfalz, Germany

Geiger counter

Rutherford, E.; Geiger, H. *Proc. Roy. Soc. London A*, **1908**, 81, 612

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Frank Austin Gooch

2 May 1852 – 12 August 1929

American, b. Watertown, Massachusetts, USA

Gooch crucible

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John Joseph Griffin

22 January 1802 - 9 June 1877

British, b. London, England

Griffin beaker

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Emanuel Benjamin Hershberg

28 July 1908 -

American, b. Lynn, Massachusetts, USA

Hershberg stirrer

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Walter Mathias Hempel

5 May 1851 - 1 December 1916

German, b. Pulsnitz, Germany

Hempel column

Hempel pipet

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Kenneth Claude Devereux Hickman

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Hickmann oil diffusion pump

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Robert Hirsch

1856 – 18 May 1913

German, b. Danzig (now Gdansk), Poland

Hirsch funnel

Hirsch, R. *Chem. Ztg.* **1888**, 12, 340.

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August Wilhelm von Hofmann



8 April 1818 - 2 May 1892

German, b. Giessen, Germany

Hofmann's voltammeter

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George Holzman

25 January 1920 –

American, b. Los Angeles, California, USA

Holzman column

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Hermann Keck

1919 –

German, b. Trevesa, Germany

Keck clip

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Petrus Johannes Kipp

5 March 1808 – 3 February 1864

Dutch, b. Utrecht, Holland

Kipp gas generator

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Ketene Lamp

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Johann Gustav Christoffer Kjeldahl

16 August 1849 - 18 July 1900

Danish, b. Jagerpris, Denmark

Kjeldahl flask

Kjeldahl, J. *Medd. Carlsberg Lab.* **1888**, 2, 330

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Martin Hans Christian Knudsen

15 February 1871 - 27 May 1949

Danish, b. Hasmark, Fyn, Denmark

Knudsen vacuum gauge

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Rudolf Lessing

1878 - 2 September 1964

German-British, b. Bavaria, Germany

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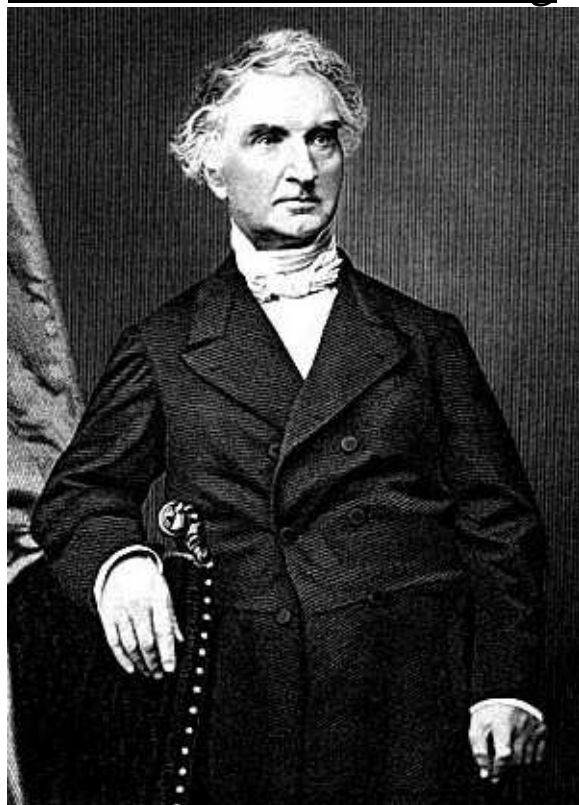
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Justus Freiherr von Liebig



12 May 1803 - 18 April 1873

German, b. Darmstadt, Germany

Liebig condenser

Liebig kaliapparat

Liebig, J. *Ann. Phys.* **1831**, 21, 1

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Herbert McLeod

19 February 1841 - 1 October 1923
British, b. Stoke Newington, England

McLeod vacuum gauge:

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Viktor Meyer

8 September 1848 - 8 August 1897
German, b. Berlin, Germany

Viktor Meyer tube, Viktor Meyer method

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Karl Friedrich Mohr

1806 – 1879

German, b. Koblenz, Prussia

Mohr burette

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Avery Arthur Morton

1892 – ?

American, b. St. Lawrence, South Dakota, USA

Morton flask

Morton, A.A. *Ind. Eng. Chem. Anal. Ed.* **1939**, 11, 170

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Friedrich Wilhelm Ostwald



2 September 1853 - 4 April 1932

Latvian, b. Riga, Latvia

Nobel Prize Chemistry 1909

Ostwald's viscometer

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Jakub Karol Parnas



16(28) January 1884 - 29 January 1949

Polish-Ukrainian, b. Mokryany, Drogobych district, Lvov region

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Samuel Wilson Parr

21 January 1857 – 16 May 1931

American, b. Granville, Illinois, USA

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Louis Pasteur



27 December 1822 - 28 September 1895

French, b. Dôle, France

Pasteur pipet

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Frans Michel Penning

12 September 1894 – 6 December 1953

Dutch, b. Gorcum, Netherlands

Penning vacuum gauge

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William Henry Perkin, Jr.

1860 - 1929

British, b. ?

Perkin triangle

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Richard Julius Petri

1852 – 1921

German, b. Barmen, Germany

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Marcello Stefano Pirani

1 July 1880 - 11 January 1968

Italian-German, b. Berlin, Germany

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Carl Pulfrich

24 September 1858 - 12 August 1927

German, b. Strasschen, near Burscheid, Solingen, Germany

Pulfrich's refractometer

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Pulfrich's photometer

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Other accomplishments:

Stereoscopic rangefinder with staggered scale

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Stereocopying machine

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Stereo comparator

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Friedrich August Fritz Raschig

8 June 1863 - 4 February 1928

German, b. Brandenburg, Germany

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Wilhelm Schlenk

22 March 1879 - 29 April 1943

German, b. Munich, Germany

Schlenk tube, Schlenk flask

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Otto Friedrich Schott

17 December 1851 - 27 August 1935

German, b. Witten, Germany

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Rudolf Signer

17 March 1903 – 1 December 1990

Swiss, b. Herisau, Switzerland

Signer osmometer

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Franz von Soxhlet

12 January 1848 - 1926

German, b. Brünn, Mähren, Germany

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Hermann Johann Phillip Sprengel

29 August 1834 – 14 January 1906

German, b. Hanover, Germany

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David Dewey Stark

1893 - 1979

Dean-Stark apparatus

see Ernest Woodward Dean

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Donald Frank Stedman

4 April 1900 - 1967

British-Canadian, b. Sussex, England

Stedman column

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Friedrich Karl Johannes Thiele

13 May 1865 - 17 April 1918

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

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August Joseph Ignaz Töpler

7 September 1836 – 5 March 1912

German, b. Brühl, Germany

Töpler mercury pump

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Pierre Vernier

1580 - 14 September 1637

French, b. Ornans, France

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Henri Narcisse Vigreux

16 December 1869 – 25 October 1951

French, b. Parly, France

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Gustav Widmer

Swiss, b. ?

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Zimmerli

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