

SCIENTIFIC GENEALOGY MASTER LIST

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Department of Chemistry, York University
4700 Keele Street, Toronto, ONTARIO M3J 1P3, CANADA

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Scientists Associated with Concepts in Chemistry & Physics

NAME OF SCIENTIST	SUPERVISOR	Ph.D. YEAR	UNIVERSITY	REFERENCE
Abderhalden, Emil	Emil Fischer	1900 (MD)	Basel	5
Acree, Solomon F.	John U. Nef	1902	Chicago	5
Adams, Roger	Theodore W. Richards	1912	Harvard	1/2/37
Adkins, Homer Burton	William Lloyd Evans	1918	Ohio State	1/2/37
Albery, Wyndham John	Ronald P. Bell	1964	Oxford	54/106
Alder, Kurt	Otto Diels	1926	Kiel	1/4
Allen, Albert D.	Sir Christopher K. Ingold	1953	London	194
Allihn, Felix Richard	Glass manufacturer			
Allinger, Normal Louis	James Cason Donald J. Cram	1954	UCLA	10
Allred, Albert Louis	Eugene G. Rochow	1957	Harvard	10
Altman, Carl	Edward L. King	1957	Wisconsin	68
Ampère, André Marie	No advisor	1803	Ecole Poly. Paris	73
Andresen, Momme	Rudolf Schmitt	1880	Jena	5

Angeli, Angelo	Giacomo Ciamician	1891	Bologna	5
Ångström, Anders Jonas		1839	Uppsala	5
Appel, Rolf	Margot Becke-Goehring	1951	Heidelberg	72
Arbuzov, Aleksandr Erminingeldovich	Aleksandr Saytzeff	1914	Kazan	6/7/24
Arduengo, Anthony J. III	Edward M. Burgess	1976	Georgia Inst. Tech.	68/64
Armstrong, Henry Edward	Adolf Kolbe	1869	Leipzig	73/5
Arndt, Fritz	J. Howitz Ludwig Gattermann	1908	Freiburg	1/71/5
Arnold, Zdenek	Frantisek Sorm	1948	Prague Inst.	70/73
Arrhenius, Svante August	E. Edlund, Sven O. Pettersson	1884	Uppsala	4
Asinger, Friedrich		1932	TH Vienna	5
Auger, Pierre Victor	Jean Baptiste Perrin	1926	Ecole Norm. Super. (Paris)	5/11
Avery, Oswald Theodore		1904 (MD)	Columbia	2
Avogadro, L R A C	No advisor	1801 (Jur.)	Turin	73
Babinet, Jacques	Binet	1812	Ecole Polytech.	3/135
Bachmann, Werner Emmanuel	Moses Gomberg	1926	Michigan	7/2
Back, Ernst	Friedrich Paschen	1913	Tuebingen	3
Bäcklund, Birger	Ludwig Ramberg	1945	Uppsala	107
Bader, Richard Frederick W.	Charles G. Swain	1958	MIT	68/10
Badger, Richard McLean	Arthur A. Noyes	1924	Cal Tech	2
Baekeland, Leo Hendrick		1884	Ghent	2
Baeyer, J F W Adolf von	Robert Bunsen, August Kekule	1858	Berlin	7/4
Baker, John William	Jocelyn F. Thorpe	1922	Roy. Coll. Sci.	7/5
Baldwin, Jack E.	Derek H.R. Barton	1964	London	33
Ballhausen, Carl J.	Jannik Bjerrum	1954	Copenhagen	14/68
Balmer, Johann Jakob		1849	Basel	3/5/73/132
Bamberger, Eugen	Carl T. Liebermann/ A.W.Hofmann	1881	Berlin	1/5/31

Bamford, William Randall	Stevens, Thomas Stevens	1952	Sheffield	94/106
Banfield, Francis Harold	Joseph Kenyon	1926	London	68
Barbier, François Antoine Phillipe	Pierre E.M. Berthelot	1876	Superieure de Pharmacie	5/37
Barkhausen, Georg Heinrich	Hermann Theodor Simon	1907	Goettingen	5
Bartlett, Paul Doughty	James B. Conant	1931	Harvard	2
Barton, Sir Derek Harold Richard	Sir E.R.H. Jones, Isidor (Ian) Heilbron	1942	London	1/4
Bates, Arnold J.	R. Sheppard, G. Kenner, R. Ramage	1973	Liverpool	94/116/130
Baumann, Eugen	Felix Hoppe-Seyler	1872 (MD)	Tuebingen	5/31
Becke, Axel D.	D.W.L. Sprung	1981	McMaster	69
Beckman, Arnold Orville	Roscoe G. Dickinson	1928	Cal Tech	37
Beckmann, Ernst Otto	Adolphe Kolbe	1878	Leipzig	1/5
Becquerel, Antoine Henri César		1877	Ecole Polytech.	3/73
Beer, August	Julius Pluecker	1848	Bonn	5/131
Beilstein, Friedrich Konrad	Friedrich Wohler	1858	Goettingen	5/8
Bell, Ronald Percy	Johannes Bronsted (mentor)	1933 (MA) no Ph.D.	Oxford Copenhagen	9/106
Belleau, Bernard	R.D.H. Heard	1950	McGill	190
Belousov, Boris Pavlovich				165
Bender, Myron Lee	Henry B. Hass	1949	Purdue	10/68
Benedict, Stanley Rossiter	Lafayette B. Mendel	1908	Yale	2
Benkeser, Robert Anthony	Henry Gilman	1947	Iowa State	14/68
Benson, Sidney William	E. Bright Wilson	1941	Harvard	10/137
Bergman, Robert George	Jerome A. Berson	1966	Wisconsin	37
Bergmann, Max	Ignaz Bloch (Emil Fischer, post-doc)	1911	Berlin	5
Bernasconi, Claude F.	Heinrich Zollinger	1965	ETH	10/68
Berry, Richard Stephen	William E. Moffitt	1956	Harvard	10/37
Berthelot, Pierre Eugène Marcelin	Antoine Balard	1854	Paris	5

Bertrand, Guy	Pierre Mazerolles ?	1979	Toulouse	63/68
Berzelius, Jöns Jakob	Johann Afzelius	1802 (MD)	Uppsala	5
Biot, Jean Baptiste	Pierre Simon de Laplace	1797	Ecole Polytech.	3/135
Birch, Arthur John	Sir Robert Robinson	1940	Oxford	11
Birks, John Betteley		1949	Glasgow	11
Bigeleisen, Jacob	Gilbert N. Lewis	1943	UC Berkeley	10/40/68
Biginelli, P.				
Bischler, August	Viktor Merz, Haruthium Abeljanz	1889	Zurich	107/132
Bjerrum, Niels Janniksen	Sophus Mads Jørgensen	1908	Copenhagen	3/5/177/178
Blagden, Sir Charles	No advisor	1768 (MD)	Edinburgh	3/202
Blanc, Gustave Louis	Charles Friedel	1899	Paris	1
Bloch, Felix	Werner Heisenberg	1928	Leipzig	5/12
Blodgett, Katherine Burr	Sir Ernest Rutherford	1926	Cambridge	12/118
Boag, John (Jack) Wilson	Louis H. Gray	1954	Glasgow	210
Bodenstein, Max Ernst August	Viktor Meyer	1893	Heidelberg	5/37
Bohr, Niels Henrik David	Christian Christiansen	1911	Copenhagen	5/22
Boltzmann, Ludwig Edward	Josef Stefan	1866	Vienna	5/8/3
Borch, Richard Frederic	Gilbert Stork	1965	Columbia	10/68
Bordwell, Frederick G.	Richard T. Arnold	1942	Minnesota	68
Born, Max	Christian Felix Klein	1907	Goettingen	5
Börnstein, Richard	Christian Felix Klein	1872	Goettingen	5/107
Borodin, Aleksandr Porphyrevich	Nikolai N. Zinin	1858	St. Petersburg	6/1
Bose, Satyendra Nath	No advisor	1915 (MA)	Calcutta	13
Bouguer, Pierre	No advisor	No deg.	Acad. Royale des Sciences, France	3/32
Bouveault, Louis	Maurice Hanriot	1890 1892 (MD)	Sorbonne	1/73
Boyd, Russell Jaye	Michael A. Whitehead	1971	McGill	68/69
Boyle, The Hon. Robert	No advisor	No deg.	Studied in France and Switzerland	73
Brackett, Frederick Sumner	Joseph Sweetman Ames	1922	Johns Hopkins	75/111

Bragg, Sir William Henry	Sir Joseph J. Thomson	1885 (MA)	Cambridge	5/13
Bragg, Sir William Lawrence	Sir Joseph J. Thomson, Sir William H. Bragg	1912 (MA)	Cambridge	5/13/22
Bratton, A. Calvin				
Brauns, M	Wilhelm Schlenk			
Bravais, Auguste	Simeon Denis Poisson	1829	Ecole Polytech.	3/135
Bredereck, Hellmut	Burkhardt Helferich	1927	Greifswald	5/68
Bredt, Konrad Julius	Rudolph Fittig	1880	Strasbourg	1
Breen, Joseph John	Louis D. Quin	1973	Duke	192
Brewster, Sir David	No advisor	1794	Edinburgh	73
Briggs, George Edward	C. West	1919	Cambridge	13/68
Briggs, Henry	No advisor	1588 (math.)	Cambridge	
Brillouin, Marcel Louis		1881	College France	3
Brönsted, Johannes Nicolaus	Julius Thomsen	1908	Copenhagen	3/5
Brook, Adrian Gibbs	George F. Wright	1950	U Toronto	10
Brooks, Harriet T.	Ernest Rutherford	1901 MA	McGill	155
Brown, Herbert Charles	Hermann I. Schlesinger	1938	Chicago	4
Brown, Robert	No advisor/ Studied botany and medicine	1790s	Edinburgh	73
Brunauer, Stephen	Joseph E. Mayer	1933	Johns Hopkins	68/162
Bucherer, Hans Theodor	Johannes Wislicenus	1893	Leipzig	1
Büchi, George Hermann	Leopold Ruzicka	1947	ETH	10/37
Büchner, Eduard	Adolf Baeyer Theodor Curtius	1888	Munich	5/3/31
Bunnett, Joseph Frederick	Dean Stanley Tarbell	1945	Rochester	10/40
Bunsen, Robert Wilhelm Eberhard	Friedrich Stromeyer	1830	Goettingen	1/5/3/12
Bunting, John William	Douglas D. Perrin	1967	ANU	68
Burchard, Hans	Otto Nasse	1889	Rostock	174/175
Burgess, Edward M.	George Buchi	1962	MIT	10/68
Burk, Dean	Dennis Robert Hoagland	1927	Berkeley	11/68

Butler, John Alfred Valentine	Sydney R. Carter	1927	Birmingham	5/13
Butlerov, Aleksandr M.	Nikolai N. Zinin	1849	Kazan	5
Buttenberg, Wilhelm Paul	August Michaelis	1892	Rostock	5
Cadiot, Paul	Antoine Willemart	1949?	Ecole Natl. Sup.	68
Cahn, Robert Sidney	No advisor	1925 (MA)	Cambridge	106
Calvin, Melvin	George A. Glockler	1935	Minnesota	1/4/2
Cannizzaro, Stanislao	Raffaele Piria	1846, 1842 (MD)	Pisa, Palermo	1/5
Carnelley, Thomas	August Kekule, Theodor Zincke, Otto Wallach (all at Bonn)	1876	London	171
Carnot, Nicholas Léonard Sadi	No advisor	1814	Ecole Polytech.	3/73
Caro, Heinrich	Adolf von Baeyer, August W. Hofmann	No Ph.D.	Munich/ Roy. Coll. Sci.	5/122
Carpino, Louis A.	Delos F. DeTar	1953	Illinois	14/68
Caspari, William Augustus		1898	Jena	5
Celsius, Anders	No advisor	1720s (no deg.)	Uppsala	3
Chadwick, Sir James	Sir Ernest Rutherford	1921	Cambridge	3
Chapman, Arthur William		1927	London	106
Chapman, David Leonard	No advisor	1907 (MA)	Oxford	13/3/115
Charles, Jacques Alexandre César	No advisor	No deg.	Paris	73
Chatt, Joseph	Frederick G. Mann	1940	Cambridge	106/68
Chauvin, Yves				
Chebyshev, Pafnutii Lvovich		1847	St. Petersburg	3
Cherenkov, Pavel Alekseyevich	Sergei I. Vavilov	1930s	Leningrad	8/12
Chichibabin Alexei Yevgenievich	Vladimir V. Markovnikov	1912	St. Petersburg	1/6
Chodkiewicz, Wladyslav	Antoine Willemart	1949?	Ecole Natl. Sup.	68
Chugaev (Tschugaev, Tschugaeff), Lev Aleksandrovich		1895 (1906)	Moscow	1/5/30/73/100
Ciamician, Giacomo Luigi	Stanislao Cannizzaro (post-doc mentor)	1880	Giessen Rome	3/5/206

Claisen, Rainer Ludwig	August Kekule	1875	Bonn	1/5/31
Clapeyron, Benoît Paul Émile	No supervisor	1818 (eng.)	Ecole Polytech.	3/135
Clark, William Mansfield	Harmon N. Morse	1910	Johns Hopkins	68
Clarke, Hans Thacher	Samuel Smiles	1910	UC London	5/2/31/180
Clausius, Rudolf Julius Emmanuel		1848	Halle	3/73
Cleland, William Wallace	Marvin J. Johnson	1955	Wisconsin	10/40
Clemmensen, Erik Christian			Roy. Poly. Inst. Copenhagen	1
Cleve, Per Theodor	Carl G. Mosander	1863	Uppsala	73
Closs, Gerhard Ludwig	Georg Wittig	1955	Tuebingen	14/37
Coblentz, William W.	Edward L. Nichols Ernest G. Merritt	1903	Cornell	2
Collie, John Norman	Johannes Wislicenus	1883	Würzburg	15
Collins, Joseph Charles Jr.	William S. Johnson	1958	Wisconsin	10
Collman, James Paddock	Reynold C. Fuson	1958	Illinois	10/37
Compton, Arthur Holly	Owen W. Richardson, H.L. Cooke	1916	Princeton U.	5/2/3
Condon, Edward Uhler	Raymond Thayer Birge	1926	UC Berkeley	5/2
Condon, Francis Edward	Paul D. Bartlett	1944	Harvard	10/68
Cope, Arthur Clay	Samuel M. McElvain	1932	Wisconsin	1/2
Coppinger, Galvin M.	Edward S. Lewis	1954	Rice	68/164
Corey, Elias James	John C. Sheehan	1951	MIT	4
Corey, Robert Brainard	L.M. Dennis	1924	Cornell	14/68
Cori, Carl Ferdinand		1918 MD	Prague	2
Cori, Gerty Theresa		1920 MD	Prague	2
Coriolis, Gaspard Gustave de	No advisor	1816 (civil eng.)	Ecole Polytech.	3
Cornforth, John Warcup	Sir Sir Robert Robinson	1941	Oxford	1/4
Cornish-Bowden, Athelstan John	Jeremy R. Knowles	1967/8	Oxford	68/94
Cotton, Aimé Auguste		1893	Paris?	5
Coulomb, Charles Augustin de	Abbé Charles Bossut (mathematics teacher)	1761 (eng.)	Ecole du Génie at Mézières	3/32

Cox, Robin	John Warkentin	1970	McMaster	40
Crabtree, Robert H.	Joseph Chatt	1973	Sussex	10/84/68
Crafts, James Mason	Eben Horsford	1858	Lawrence Scientific School	1/2
Cram, Donald James	Louis F. Fieser	1947	Harvard	4
Cramer, Richard David (III)	C.G. Swain E.J. Corey (post-doc)	1968	MIT Harvard	68/109
Cray, Seymour		1951(MSc)	Minnesota	12
Creutz, Carol	Henry Taube	1970	Stanford	10/68
Crick, Francis Harry Compton	Max Perutz	1954	Cambridge	1/10/37
Criegee, Rudolf	Otto Dimroth	1925	Wurzburg	1
Curie, Marie (Manya née Sklodowska)	Antoine Becquerel	1903	Ecole de Phys. Chim. Indus., Paris	4/37
Curie, Pierre		1895	Sorbonne	3
Curtin, David Yarrow	Charles Coale Price	1945	Illinois	1
Curtius, Theodor	Adolphe Kolbe	1882	Leipzig	1/31
Czerny, Marianus	Heinrich Rubens	1923	Berlin	5
Dakin, Henry Drysdale	Albrecht Kossel	1904 1909	Heidelberg Leeds	15/73
Dalton, John	No advisor	1790s (no deg.)	Warrington Acad. (Manchester)	73
Daniell, John Frederic	No advisor	No degree	No degree	3
Danishefsky, Samuel J.	Peter Yates	1962	Harvard	10/68
Darzens, Auguste Georges	Louis Edouard Grimaux	1888	Ecole Polytech.	1/73/135
Davies				
Davy, Hubert				
Davydov, Aleksandr Sergeyeovich		1939	Moscow	169
de Broglie, Prince Louis	Maurice de Broglie	1924	Sorbonne	13
Dean, Ernest Woodward	William A. Drushel	1914	Yale	75/141
Debye, Peter Joseph Wilhelm	Arnold Sommerfeld	1908	Munich	4/2
Délepine, Stephane Marcel	M. Berthelot	1898	Sorbonne	5
Demjanov, Nikolai Jakovlevich	Vladimir V. Markovnikov	1899	Moscow	6/5

Dess, Daniel Benjamin	James Cullen Martin	1984	U. Illinois Urbana-Champaign	76
Dewar, Michael James Steuart	Fred E. King	1944	Oxford	1
Dewar, Sir James	Lyon Playfair	1858	Edinburgh	5/3/73
Dexter, David Lawrence	W.W. Beeman	1951	Wisconsin	11/68
Dieckmann, Walter	Eugen Bamberger	1892	Munich	1/5/31
Diels, Otto Paul Hermann	Emil Fischer	1899	Berlin	1/4/31
Dimroth, Karl	Adolf Windhaus	1936	Goettingen	41
Dimroth, Otto	Johannes Thiele	1895	Strasbourg	5/73
Dirac, Paul Adrien Maurice	Ralph H. Fowler	1926	Cambridge	13
Dixon, Harold Baily	August George Vernon Harcourt	1879	Oxford	5/3/37
Dixon, Malcolm	Sir F.G. Hopkins	1925	Cambridge	13
Döbereiner, Johann Wolfgang	No advisor	1810 (hon. deg.)	Jena	17/73
Döbner (Doebner), Oscar	Rudolph Fittig	1873	Tuebingen	5/42
Doering, William von Eggers	Robert B. Woodward	1943	Harvard	68
Donohue, Jerry	Pauling, Linus	1947	Cal Tech	68/164
Doppler, Johann Christian	No advisor	1829	Polytechnic Inst. (Vienna)	3
Dötz, Karl Heinz	Ernst Otto Fischer	1971	TH Munich	63/68
Doudoroff, Michael	Cornelius B. van Niel	1939	Stanford	2
Draper, John William	Edward Turner	1829 1836 (MD)	London U Penn.	3/73
Dreiding, Andre S.	Werner Bachmann	1948	Michigan	164
Dufton, Samuel Felix				
Duhem, Pierre Maurice Marie	Pierre E.M. Berthelot	1888	Ecole Norm.	5/3/73
Dulong, Pierre Louis	Claude L. Berthollet/ Louis Jacques Thenard	1810s	Ecole Norm.	3/73
Duncanson, Leonard A.	Sir Christopher K. Ingold	1950	UC London	106
Dunitz, Jack David	John Monteath Robertson	1947	Glasgow	10/40
Eadie, George Sharp	J.B.S. Haldane	1927	Cambridge	14/118

Eaton, Philip Eugene	Peter Yates	1961	Harvard	10/68
Ebert, R.				
Edgecombe, Kenneth E.	Russell J. Boyd	1988	Dalhousie	68
Edman, Pehr Victor	Johan Erik Jorpes	1946	Karolinska Inst.	1/13
Edward, John Thomas	Raymond Boyer	1942	McGill	90
	Sir Robert Robinson	1949	Oxford	189
Edwards, John Oelhaf	C.H. Sorum	1951	Wisconsin	14/68
Eglinton, Geoffrey	Sir E.R.H. Jones	1951	Manchester	11
Ehrenfest, Paul	Ludwig Boltzmann	1904	TH Vienna	5/12
Ehrlich, Paul	No advisor	1874	Breslau	73/142
		1878 (MD)	Leipzig	
Eigen, Manfred	Arnold Eucken	1951	Georg-August U, Goettingen	4/22
Einstein, Albert	Alfred Kleiner, Heinrich Burkhardt	1905	Zurich	5/132
Eistert, Bernd	Fritz Arndt	1927	Breslau	7/5
El-Sayed, Mostafa Amr	Michael Kasha	1959	Florida State	5/62
Elbs, Karl	Adolf Claus	1880	Freiburg	5
Ellman, George Leon	Herschel K. Mitchell	1952	Cal Tech.	10/68
Emde, Hermann	E. Schmidt	1906	Marburg	5
Emmett, Paul Hugh	Arthur F. Benton	1925	Cal Tech	2/68
Emmons, William David	Reynold C. Fuson	1951	Illinois	14/68
Erdmann, Hugo	Lehrers Fittig	1883	Strasbourg	5
Erlenmeyer, Friedrich Gustav Carl Emil	August Kekule	1888	Goettingen	5
Erlenmeyer, Richard August Carl Emil	Heinrich Will	1851	Giessen	5/1/31
Ernst, Richard R.	Hans Primas	1962	ETH	4
Eschenmoser, Albert	Leopold Ruzicka, Hans Rudolf Schinz	1951	ETH	1/10/37
Eschweiler, Wilhelm	K. Kraut	1889	Rostock	5
Etard, Alexandre Leon	Auguste Cahours	1880	Paris	5

Evans, David A.	Robert E. Ireland	1967	Cal Tech	10/68
Evans, Herbert McLean	No advisor	1908 (MD)	Johns Hopkins	2/13
Evans, Meredith Gwynne	Arthur Lapworth Michael Polanyi	1927 (MSc)	Manchester	101
Eyring, Henry	George Ernest Gibson	1927	UC Berkeley	2
Fahrenheit, Gabriel Daniel	Self taught Olaus Roemer (mentor)	1700s (no deg.)	Copenhagen	3
Fajans, Kasimir	Georg Bredig	1909	Heidelberg	8/73
Faraday, Michael	Bookbinder's apprentice, Humphry Davy private laboratory	No deg.	England	73
Favorskii, Alexei Yevgrafovich	Alexandr M. Butlerov	1882	St. Petersburg	1/6/3
Fehling, Hermann Christian von	Justus Liebig	1837	Heidelberg	8/31
Feigl, Fritz	Wilhelm Schlenk	1920	Vienna	73/133
Fenske, Merrell Robert	P.K. Frolich	1928	MIT	11/109
Fenton, Henry John Horstman	No advisor	1881 (MA)	Cambridge	5/11/119
Fermi, Enrico	Luigi Puccianti	1922	Pisa	5/2
Fétizon, Marcel Ernest Paul	Marc Julia	1952?	Ecole Norm.	16/68
Feynman, Richard Phillips	John Archibald Wheeler	1942	Princeton	11/8
Fick, Adolph Eugen	Carl Ludwig (Zurich)	1851 (MD)	Marburg	5/3/73
Fieser, Louis Frederick	James B. Conant	1924	Harvard	1/2
Fieser, Mary Peters	Louis F. Fieser	1936 (MSc)	Harvard	1
Finkelstein, Hans	Johannes Thiele	1909	Strasbourg	61
Fischer, Emil Hermann	Adolf Baeyer	1874	Strasbourg	1/7/4/31/180/181
Fischer, Ernst Otto	Walter Hieber	1952	TH Munich	4
Fischer, Franz Joseph Emil	Karl Elbs	1899	Giessen	1/5/31
Fischer, Joseph Karl Anton	No advisor	No Ph.D.	Leipzig	85
Fischer, Otto Philipp	Adolf von Baeyer	1874	Strasbourg	5
Fittig, Rudolph	Heinrich Limpricht	1858	Goettingen	1/5/3/37
Flory, Paul John	Herrick Lee Johnston	1934	Ohio State	4
Fock (Fok), Vladimir Alexandrovich		1934	Petrograd	3
Förster, Theodor	Erwin Madelung	1933	Leipzig	43

Foucault, Jean Bernard Léon	No advisor	1853 (D.Sc.)	France	3/32
Franck, James	Emil Gabriel Warburg	1906	Berlin	5
Franklin, Rosalind Elsie	Ronald G.W. Norrish	1945	Cambridge	186
Fraunhofer, Joseph von	Glass manufacturer	1800s (no deg.)	Germany	73
Frémy, Edmond	Theophile Jules Pelouze	No degree	Ecole Polytech.	3/37
Fresnel, Augustin Jean	No advisor	1804 - 6 1806 - 9 (civ. eng.)	Ecole Polytech. Ecole Ponts et Chaussées	3/32
Freund, Martin	August W. Hofmann	1884	Berlin	5
Freytag, Curt	Eduard Buchner	1910	Breslau	89
Friedel, Charles	Louis Pasteur/ Adolphe Wurtz	1869	Paris	5
Friedel, Georges	Francois E. Mallard	1877 1890	Ecole Polytechnique Ecole des Mines	209
Friedländer, Paul	Adolf Baeyer	1878	Munich	1/5/31
Friedrichs, Fritz Walter Paul		1929	Dresden	107/124
Fries, Karl Theophil	Theodor Zincke	1899	Marburg	1
Fritsch, Paul Ernst Moritz	Adolf Baeyer	1884	Munich	5/31
Frost, Arthur Atwater	Henry Eyring	1934	Princeton	10/68
Fry, Harry Shipley	Theodore Evans	1905	Cincinnati	5
Fukui, Kenichi		1948 (eng.)	Kyoto	4
Gabriel, Siegmund	Robert Bunsen	1874	Heidelberg	5/31
Gaede, Max Paul Wolfgang	Franz Hilmstedt	1900	Freiburg	5/120
Galvani, Luigi	No advisor	1762 (MD)	Bologna	8
Gamow, George		1928	Petrograd	3/12
Gaspar, Peter Paul	William von Eggers Doering	1961	Yale	10/68
Gassman, Paul G.	Jerrold Meinwald	1960	Cornell	14
Gattermann, Ludwig	Hans Hubner	1886	Goettingen	1/5

Gauss, Carl Friedrich	J.F. Pfaff	1799 (math.)	Helmstedt	3/8
Gay-Lussac, Joseph Louis	Claude Louis Berthollet	1800 (MA)	Ecole Polytech.	8/37
Geiger, Hans Wilhelm	Eilhard Wiedemann	1906	Erlangen	5/12
Gerlach, Walter	Friedrich Paschen	1912	Tuebingen	5/89
Gibbs, Harry Drake	Edward C. Franklin	1913	Stanford	5/108
Gibbs, Josiah Willard	No advisor	1863	Yale	2/73
Gilbert, Walter	Abdus Salam	1957	Cambridge	4
Gillespie, Ronald James	Sir Christopher K. Ingold	1949	UC London	10/68
Gilman, Henry	Elmer P. Kohler	1918	Harvard	2
Girard, André				
Glaser, Carl	Adolf Strecker	1864	Tuebingen	60/5
Glauber, Johann Rudolf				
Glover, John	No advisor	No Ph.D.	No university education	73
Gmelin, Leopold	Joseph Franz Jacquin, Friedrich Stromeyer	1812	Goettingen	3/37
Goddard, W.A. (III)	Pol Edgard Duwez	1964	Cal Tech	37
Goeppert-Mayer, Maria	Max Born	1930	Goettingen	12
Gold, Heinrich	Hans Meerwein	1939	Marburg	107
Gold, Victor	Sir Christopher K. Ingold	1944	London	13
Goldschmidt, Carl	Eugen Bamberger	1891	Munich	31
Goldstein, B.N.				
Goldstein, Eugen	Hermann von Helmholtz	1881	Berlin	3
Gomberg, Moses	Albert B. Prescott	1894	Michigan	1/2/31
Gooch, Frank Austin	Josiah P. Cooke	1877	Harvard	95/37
Good, Norman Everett	Herschel K. Mitchell	1951	Cal Tech	14/68
Gordon, Neil Elbridge	Ebenezer Emmet Reid	1917	Johns Hopkins	68/164
Goudsmit, Samuel Abraham	Paul Ehrenfest	1927	Leiden	3
Gouy, Louis Georges		1879	Paris	5
Graham, Thomas	No advisor	1826 (MA)	Glasgow	73
Graham, William Hardin	John E. Leffler	1958	Florida State	14

Gray, Louis Harold	Ernest Rutherford James Chadwick	1934	Cambridge	13
Grieco, Paul Anthony	Gilbert Stork	1970	Columbia	10/68
Griess, Johann Peter	Hermann Kolbe, A.W. Hofmann	1850s (no degree)	Marburg, Roy. Coll. Chem.	3/5/183
Griffin, John Joseph				
Grignard, Victor François Auguste	Philippe Barbier	1901	Lyons	4/37
Grisdale, Patrick J.	Michael J.S. Dewar	1959/60	London	94
Grob, Cyril A.	Leopold Ruzicka	1942	ETH	5
Gross, Philipp	Alfons Klemenc	1923	Vienna	5
Grottrian, Walter Robert Wilhelm	Hermann Th. Simon	1914	Goettingen	5
Grotthus, Theodor Christian	No advisor	No deg.	Studied in Leipzig, Paris, Naples, Rome	73
Grubbs, Robert Howard	Ronald Breslow	1968	Columbia	10/68
Grunwald, Ernest Max	Saul Winstein	1947	UCLA	10/40
Guggenheim, Edward Armand	Ralph H. Fowler	1925	Cambridge	13
Guldberg, Cato M.		1859 BSc	Christiania	3
Gulland, John Masson	Robert Robinson William H. Perkin, Jr. (post-doc mentor)	1925	St. Andrews Oxford	5/15
Gurney, Ronald Wilfried	Sir Ernest Rutherford E.U. Condon W.L. Bragg N.F. Mott	1933 (no deg.)	Cambridge	5/143
Guthrie, J. Peter	Frank H. Westheimer	1968	Harvard	68/164
Gutowsky, Herbert S.	George B. Kistiakowsky	1949	Harvard	37/68
Haack, Albrecht	Otto Fischer, A. Vilsmeier	1926	Erlangen	70
Haber, Fritz	Carl Liebermann	1891	Berlin- Charlottenberg	4
Hafner, Walter				
Hagemann, C. Th. L.	Johannes Wislicenus	1890s	Leipzig	212

Hagemann, Oscar Christian		1890	Berlin	211
Haldane, John Burdon Sanderson	No advisor	1919 (MA)	Oxford	13/115
Hall, Edwin Herbert	Henry A. Rowland	1880	Johns Hopkins	5
Hamilton, Sir William Rowan	Rev. John Brinkley (mentor)	1823+	Trinity Coll., Dublin	3
Hammett, Louis Plack	Hal Trueman Beans	1922	Columbia	1/2
Hammick, Dalziel Llewellyn	Otto Dimroth	1910	Munich	13
Hammond, George Simms	Paul Doughty Bartlett	1947	Harvard	1/10
Hanes, Charles Samuel	F.F. Blackman	1929	Cambridge	13
Hanle, Wilhelm	James Franck	1924	Goettingen	5
Hansch, Corwin Herman	H.G. Lindwall	1944	NYU	10/55
Hantzsch, Arthur Rudolf	Rudolf Schmitt	1880	Wurzburg	5
Harden, Arthur	Otto Fischer	1888	Erlangen	4/15/218
Harries, Carl Dietrich	Ferdinand Tiemann	1890	Berlin	5
Hartek, Paul	Max Bodenstein	1926	Berlin	5
Hartree, Douglas Rayner	Ralph H. Fowler	1926	Cambridge	3
Hasselbalch, Karl Albert		MD		
Hauser, Charles Roy	George Hopkins Coleman	1928	Iowa	1/11
Haworth, Robert Downs	William H. Perkin Jr.	1922	Manchester	13
Haworth, Sir Walter Norman	Otto Wallach, William H. Perkin	1910 1911	Goettingen Manchester	1/4/37
Heck, Richard Fred	Saul Winstein	1954	UCLA	1/10/68
Heisenberg, Werner Karl	Arnold Sommerfeld	1923	Munich	5
Heitler, Walter Heinrich	K.F. Herzfeld	1926	Munich	5/13
Helferich, Burkhardt	Emil Fischer	1911	Berlin	151/152
Hell, Carl Magnus von	Hermann von Fehling	1872	Heidelberg	5
Hellmann, Hans Gustav Adolf	Erich Regener	1929	Stuttgart	5
Helmholtz, H Ludwig Ferdinand von	Johannes Muller	1842 (MD)	Berlin	3
Hempel, Walter Mathias	Robert Bunsen	1872 (MD) 1873	Leipzig Heidelberg	5/37
Henderson, Lawrence Joseph	No advisor	1902 (MD)	Harvard	5/73

			Strasburg	
Hendrickson, James Briggs	Robert B. Woodward	1955	Harvard	10/68
Henri, Victor	Wilhelm Ostwald	1897 1903	Goettingen Paris Leipzig	3
Henry, Joseph				
Henry, Louis		1855	Lowen	5
Henry, William	No advisor	1807 (MD)	Edinburgh	3/73
Hepp, Eduard	Adolf von Baeyer	1873/4	Strasbourg	5/73
Herisson, Jean Louis Georges	Yves Chauvin	1969?	Inst. Franc. Petrol.	68
Herkstroeter, William G.	George S. Hammond	1966	Cal Tech.	10
Hershberg, Emanuel Benjamin	Ernest H. Huntress	1933	MIT	14/109
Hertz, Heinrich Rudolf	Herman von Helmholtz	1880	Berlin	5/8/3
Hess, Germain Henri	Jons J. Berzelius (Stockholm)	1825 (MD)	Dorpat	3/73
Heyns, Kurt Fritz	Emil Abderhalden	1932	Halle	89/107
Hickman, Kenneth Claude Devereux		1925	London	11
Hilbert, Peter	Dietmar Seyferth	1970? No Ph.D.	MIT	68
Hildebrand, Joel Henry	Edgar Fahs Smith	1906	Penn.	2/37
Hill, Archibald Vivian	Walter M. Fletcher	1909 (MA)	Cambridge	13/37
Hinsberg, Oscar Heinrich Daniel	Karl Andreas Hofmann	1882	Tuebingen	5
Hinshelwood, Sir Cyril Norman	Harold Brewer Hartley	1920 (BA)	Oxford	4/13/37
Hirsch				
Hittorf, Johann Wilhelm	Julius Plücker	1846	Berlin	3
Hock, Heinrich	Karl Andreas Hofmann	1912	Munich	5/73
Hoesch, Kurt	Emil Fischer	1911	Berlin	1/5/31
Hoffmann, Roald	Martin Gouterman, William Lipscomb	1962	Harvard	4
Hofmann, August Wilhelm von	Justus Liebig	1841	Giessen	7/3/31
Hofmeister, Franz	Hugo Huppert	1872 (MD)	Prague	3/5/225

		1879 (PhD)		
Hofstee, Barend Hendrik Jan		1949	Groningen	14
Holleman, Arnold Frederick	A.P.N. Franchimont/ Adolf von Baeyer	1887	Leiden	5
Holness, Norris John	Derek H.R. Barton Saul Winstein (post-doc advisor)	1951/2	Imp. Coll. London UCLA	149
Holzman, George	Arthur C. Cope	1948	Cal Tech	10/68
Hoogsteen, Karst	E.L. Eichhorn	1957	Groningen	14/68
Hooke, Robert	Robert Boyle	1663 (MA)	Oxford	3
Hooker, Samuel Cox	Eugen Bamberger	1885	Munich	31
Horner, Leopold	Heinrich Wieland	1937	Munich	5
Hosomi, Akira	M. Kumada T.G. Traylor	1970	Kyoto UC San Diego	68/213
Houben, Josef	Julius Bredt	1898	Bonn	5/31
Hubble, Edwin Powell	E.B. Frost R.A. Millikan (undergraduate mentor)	1917	Chicago	2/3
Hückel, Erich Armand Arthur Joseph	Peter Debye	1921	Goettingen	5/1
Hudson, Claude Silbert	William F. Magie	1907	Princeton	2
Huggins, Maurice Loyal	Charles W. Porter	1922	Berkeley	14/40/123
Hughes, Edward D.	Herbert B. Watson	1930	Wales	106
Humphreys, Curtis Judson	William F. Meggers	1928	Michigan	14/68
Hund, Friedrich Hermann	Max Born	1922	Goettingen	5
Hünig, Siegfried Helmut	Wolfgang Langenbeck	1943	TH Dresden	5/72
Hunsdiecker, Clare (nee Dieckmann)	Robert Wintgen	1928	Cologne	1/105
Hunsdiecker, Heinz	Robert Wintgen	1929	Cologne	1
Hurd, Charles DeWitt	Lauder W. Jones	1921	Princeton	37
Hush, Noel Sydney	Meredith G. Evans	1959	Manchester	68/106
Huygens, Christiaan	Frans van Schooten (mathematics)	1650s Math.	Leiden/Breda	3/32

Ingold, Sir Christopher Kelk	Sir Jocelyn F. Thorpe	1923	London	1/13/106
Ireland, Robert Ellsworth	William S. Johnson	1954	Wisconsin	10/37
Ising, Ernst	W. Lenz	1924	Hamburg	89/107
Jablonski, Alexander	Stefan Pienkowski	1930	Warsaw	5/173
Jacobs, Pierre A.				
Jacobsen, Eric Niels	Robert G. Bergman	1986	UC Berkeley	37
Jacobson, Paul Heinrich	A.W. Hofmann Viktor Meyer	1882	Berlin Heidelberg	5/198
Jaffe, Hans H.	Oscar K. Rice	1952	North Carolina, Chapel Hill	164/215
Jaffé, Max	Wilhelm Kühne	1865?	Berlin	196
Jahn, Hermann Arthur	B.L. von der Werden	1935	Leipzig	89/107
Janovsky, Jaroslav V.				
Japp, Francis Robert	Robert Bunsen	1875	Heidelberg	5
Jaynes, Edwin Thompson	Eugene P. Wigner	1951	Princeton	10/68/80
Jeans, Sir James Hopwood	No advisor	1903	Cambridge	15
Jeffreys, Sir Harold	No advisor	1913	Cambridge	8
Jencks, William Platt	Fritz Lipmann, Robert B. Woodward	1951(MD)	Harvard	12
Jensen, Kai Arne	Einar C.S. Biilmann	1937	Copenhagen	214
Johnson, John Bertrand	Henry A. Bumstead	1917	Yale	164/141
Johnson, William Summer	Louis F. Fieser	1940	Harvard	1/14
Jones, Sir Ewart Ray Herbert	John Lionel Simonsen	1936	Wales	1/27/106
Jones, Robert Clark	Wendell Hinkle Furry	1941	Harvard	14
Josephson, Brian David	A.B. Pippard	1964	Cambridge	10/139
Joule, James Prescott	John Dalton private laboratory	No deg.	England	73
Julia, Marc	Sir E.R.H. Jones	1948	Imperial Coll.	63/68
Kalle, Wilhelm Ferdinand	Otto Fischer	1895	Erlangen	5
Kamen, Martin	William D. Harkins	1937	Chicago	14/68
Kamlet, Mortimer Jacob	Ernest F. Pratt	1954	Maryland	14/68
Kane, Robert John	Justus Liebig	1836	Giessen	73/150

		no degree		
Kaptein, R.				
Kapustinskii, Anatolii Federovich	I.A. Kablukov	1929	Moscow	224
Karplus, Martin	Linus Pauling	1953	Cal Tech.	10/37
Karstedt, Bruce D.				
Kasha, Michael	Gilbert N. Lewis	1945	UC Berkeley	10/68
Kassel, Louis Stevenson	William A. Noyes, Jr.	1927	Chicago	14/68
Keeffe, James R.	Wolfgang M. Schubert	1964	Washington	164
Kekulé von Stradonitz, F August	Heinrich Will	1852	Giessen	3/31
Kelvin of Largs, William Thomson	William Hopkins	1845	Cambridge	11/145
Kemp, Daniel Schaeffer	Robert B. Woodward	1964	Harvard	10/37
Kenyon, Joseph	Robert H. Pickard	1904 BSc	London	13
Kerr, John	Lord Kelvin	1868	Glasgow	5/8
Khand, Ihsan U.	Peter L. Pauson	1969?	Strathclyde	68
Kharasch, Morris Selig	Jean F. Piccard	1919	Chicago	2/37
Kiliani, Heinrich	Emil Erlenmeyer	1880	Munich	5/1
Kim, Chung Un	John F.W. Keana	1970	Oregon	68/82
King, Edward Louis	Wendell M. Latimer	1945	UC Berkeley	10/112
King, Victor Louis	Alfred Werner	1912	Zurich	216
Kinugasa, Manabu				
Kirchhoff, Gustav Robert		1847	Koenigsberg	3
Kirkwood, John Gamble	Frederick G. Keyes	1929	MIT	3/11/37
Kishner (Kizhner), Nikolai Matveevich	Vladimir Markovnikov	1901	Moscow	6/1/29/73
Kjeldahl, Johann	J.C. Jacobsen	1873 Dipl.	Tech. Inst. Copenhagen	3/179
Klatte, Fritz	No advisor	1907 Dipl.	Tuebingen	73
Klein, Christian Felix	Julius Pluecker	1868	Bonn	5/37
Klingemann, Felix	August W. Hofmann	1887	Bonn	89
Knoevenagel, Heinrich Emil Albert	Viktor Meyer	1889	Goettingen	1/5/121
Knorr, Ludwig	Emil Fischer	1882	Erlangen	1/5/31/73

Knudsen, Martin Hans Christian	Christian Christiansen	1892+	Copenhagen	20
Koch, J.J.				
Kochi, Jay Kazuo	George S. Hammond	1952	Iowa State	10/68
Koelsch, Charles Frederick	Samuel M. McElvain	1931	Wisconsin	14/56
Kohlrausch, Friedrich Wilhelm Georg	Wilhelm Weber	1863	Goettingen	5/3
Kohlrausch, Rudolf Hermann Arndt	Math. & physics teacher at various schools in Germany	pre 1857	Wuerzburg	5/11
Kohn, Walter	Julian Schwinger	1948	Harvard	22/68
Kolbe, Adolphe Wilhelm Hermann	Friedrich Wohler, Robert Bunsen	1843	Goettingen	3/8/37
Koltun, Walter Lang	David Floyd Waugh	1952 (biochem.)	MIT	14/68/109
König, Walter Georg		1903 (Dr. Ing.)	Dresden	5
Koopmans, Tjalling Charles	Hans Kramer/ Jan Tinbergen	1936	Utrecht	2
Koppel, Ilmar A.	V. A. Palm	1969	Tartu U	34/68
Körner, Wilhelm	Heinrich Will	1860	Giessen	5/193
Koser, Gerald Franklin	William H. Pirkle	1968	Illinois	66/68
Koshland, Daniel Edward Jr.	Frank Westheimer	1949	Chicago Harvard (pd)	14/68
Kosower, Edward Malcolm	Saul Winstein	1952	UCLA	10/59
Kramers, Hendrik Anthony	Paul Ehrenfest	1916	Leiden	3
Krebs, Sir Hans Adolf	Otto Warburg	1925 (MD), 1929	Freiburg, Kaiser Wilhelm Inst. Berlin	1/13
Kresge, Alexander Jerry	Nelson J. Leonard	1953	Illinois Inst. Technology	10/68
Kubas, Gregory J.	Duward F. Shriver	1970	Northwestern	10/68
Kulinkovich, Oleg G.	I.G. Tishchenko	1975	Belorus. Gos.	68
Kwart, Harold	Paul D. Bartlett	1948	Harvard	14/164
Laar, Conrad	August Kekule	1882 (no degree)	Bonn	5

Labarraque, Antoine Germaine		1800s	Montpellier	73
Ladenburg, Albert	Robert Bunsen	1863	Heidelberg	3/53
Lalancette, Jean Marc	Henri Favre	1961	Montreal	14/68
Lambert, Johann Heinrich	Bernoullis, Euler, Kaestner, Tobias Mayer, Pieter van Musschbroek, d'Alembert, Gessner	1740s - 1750s (no deg.)	Goettingen, The Hague, Paris, Zurich	3/32
Landé, Alfred	Arnold Sommerfeld	1914	Munich	5/72
Landolt, Hans Heinrich	Karl Lowig	1853	Breslau	3
Langevin, Paul	Pierre Curie	1902	Sorbonne	3/8/12
Langmuir, Irving	Walther Nernst	1906	Goettingen	4/2
Laporte, Otto	William F. Meggers	1924	Munich	5/68
Lapworth, Arthur	Frederic Stanley Kipping	1895	Birmingham	1/15
Larmor, Sir Joseph	No advisor	1880	Cambridge	3
Latimer, Wendell M.	Gilbert N. Lewis	1918	UC Berkeley	2
Laue, Max Theodor Felix von	Max Planck	1903	Berlin	3
Laurent, Augustin	Jean-Baptiste Dumas	1837 (hon. deg.)	Paris	73
Lauth, Charles	Charles F. Gerhardt	1850s (no deg.)	Strasbourg	73
Lavoisier, Antoine Laurent	Guillaume F. Rouelle	1764 (LLB)	Paris	37
Lawesson, Sven-Olov	Arne Fredga	1957	Uppsala	1/221
Lawrence, Ernest Orlando	William Francis Gray Swann	1925	Yale	2
Lazier, Wilbur Arthur	Homer B. Adkins	1925	Wisconsin	14/68
Lebedev, Sergei Vasilievich		1913	St. Petersburg	3/161/73
Le Bel, Joseph Achille	Antoine Balard Adolphe Wurtz	1867	Ecole Polytech.	217
Le Châtelier, Henri Louis	Francois E. Mallard, Henri E. Ste-Claire Deville	1873	Ecole des Mines	3/37
Lee, Chengteh	Robert G. Parr	1987	Chapel Hill	77
Lehn, Jean-Marie	Guy Ourisson	1963	Strasbourg	10/68

Leffler, John Edward	Robert B. Woodward	1948	Harvard	10/44
Lemieux, Raymond Urgel	Clifford B. Purves	1946	McGill	1/10
Lennard-Jones, Sir John Edward	Ralph H. Fowler	1924	Cambridge	13/8
Lenz, Heinrich Friedrich Emil		1823	Dorpat	3
Lessing, Rudolf	Richard Willstätter	1902	Munich	31
Leuckart, Carl Louis Rudolf Alexander		1879	Leipzig	31
Levenberg, Milton Irwin	J.H. Richards	1965	Cal Tech.	10/68
Lever, A. Barry P.	John Arthur Elvidge	1960	Imp. Coll.	10/68/40
Lewis, Edward Sheldon	Paul D. Bartlett	1947	Harvard	10/68
Lewis, Gilbert Newton	Theodore W. Richards	1899	Harvard	1/15
Lewis, Winford Lee	John U. Nef	1909	Chicago	96
Liebermann, Carl Theodore	Adolf von Baeyer	1865	Berlin	158
Liebermann, Leo	No advisor	1874 (MD)	Innsbruck	5
Liebeskind, Lanny Steven	Andrew S. Kende K. Barry Sharpless (post-doctoral advisor)	1976	Rochester MIT/Stanford	68/164
Liebig, Justus Freiherr von	Karl Friedrich Wilhelm Gottlob Kastner	1822	Erlangen	3/37
Lindlar, Hans H. M.				
Lineweaver, Hans	Dean Burk	1936	Johns Hopkins	14/68
Lipinski, Christopher Andrew	Donald S. Noyce Robert E. Ireland (post-doc mentor)	1968	UC Berkeley Cal Tech	10/68
Lissajous, Jules Antoine		1847	Ecole Norm.	3
Little, Reginald Bernard	Mostafa A. El-Sayed	1999	Georgia Inst. Tech.	226
Lobry de Bruyn, Cornelius Adriann	A.P.N. Franchimont	1883	Leiden	5/188
Löffler, Karl		1903	Breslau	5
Lohmann, Karl Heinrich Adolf	Otto Meyerhof	MD 1934	Berlin	73
London, Heinz	Franz Eugen Simon	1934	Breslau	3
London, Fritz Wolfgang	No advisor	1921 (Dr. Phil.)	Munich	3

Lonsdale, Kathleen	Sir William H. Bragg	1936	UC London	13/185
Lorentz, Hendrik Anton	Pieter Leonard Rijke	1875	Leiden	3/12/176
Lorenz, Ludwig Valentin		civ. eng.	Tech. Denmark, Copenhagen	3
Loschmidt, Johann Josef	Josef Stefan (mentor)	1843, 1856 (teacher qualification) 1868 (honorary Ph.D.)	German U, Prague Vienna	3
Lossen, Wilhelm Clemens	Friedrich Wohler	1862	Goettingen	5/73
Löwdin, Per Olov		1948	Uppsala	172
Lowry, Thomas Martin	Henry E. Armstrong	1899	London	5/13/37
Lubs, Herbert A.	William Mansfield Clark	1914	Johns Hopkins	37
Lucas, Howard J.	William McPherson	1908 (MA)	Ohio State	2
Lupton, Elmer Cornelius, Jr.	Undergrad. Student of Charles G. Swain; Kenneth B. Wiberg	1969	MIT Yale	74 91
Lyman, Theodore	John Growbridge	1900	Harvard	3/75/137
Macdonald, Stewart Ferguson	Hans Fischer Lord A.R. Todd (post-doctoral advisor)	1939	Munich Cambridge	14/68
Mach, Ernst	A. von Ettingshausen	1860	Vienna	5/3/133
Madelung, Erwin	Hermann Th. Simon	1905	Goettingen	5/86
Maehr, Hubert	Carl P. Schaffner	1964	Rutgers U	10/68
Magnus, Heinrich Gustav	Eilhard Mitscherlich	1827	Berlin	3
Maillard, Louis Camille				
Malinowski, Edmund Robert	Leonard S. Levitt	1961	Stevens Inst. Tech.	68/164
Mallard, Francois E.		1853	Ecole des Mines	3
Malus, Etienne Louis	No advisor	1796 (no Ph.D.)	Ecole Polytech.	3
Mannich, Carl Ulrich Franz	Hermann Thoms	1903	Basel	1/5
Marcelin, Rene				

Marcus, Rudolph Arthur	Carl Arthur Winkler	1946	McGill	4
Marfey, Sviatopolk Peter	Carl Djerassi	1955	Wayne State	14/68
Marignac, Jean Charles Galissard de	Justus Liebig	1839 1840s	Ecole des Mines Giessen	3
Mariotte, Edme				
Mark, Herman Francis	Wilhelm Schlenk	1920	Vienna	2
Markovnikov, Vladimir Vasilevich	Alexandr M. Butlerov	1865	Kazan	6/5/26
Markush, Eugene Armand		1912?	Tech. U. Budapest	197
Marquardt, Donald Wesley		1956 (MA)	Delaware	10
Marschalk, Charles Henri	Stanislaus von Kostanecki	1910	Bern	5
Marsh, James				
Marshall, Eli Kennedy Jr.	Solomon F. Acree	1911	Johns Hopkins	2/164
Marshall, Garland Ross	R.B. Merrifield	1966	Rockefeller	68/164
Martin, James Cullen	Paul D. Bartlett	1956	Harvard	14/37
Martius, Carl Alexander von	Justus Liebig	1862 (no Ph.D.)	Munich	5/73
Martynoff, V.F.				
Massieu, M.F.				
Maxam, Allan Marshall	Walter Gilbert	1980	Harvard	68/83
Maxwell, James Clerk	William Hopkins	1854	Cambridge	3/145
McCombie, Stuart W.	A.H. Jackson	1972/3	Liverpool	94/116
McFadyen, John S.				
McLafferty, Fred Warren	William T. Miller	1950	Cornell	10/37
McLeod, Herbert	August W. Hofmann	1856 (no deg.)	Roy. Coll. Chem.	167
McMurry, John Edward	Gilbert Stork	1967	Columbia	10/37
Meerwein, Hans Leberecht	Georg Schroeter	1903	Bonn	1/5
Meisenheimer, Jakob	Johannes Thiele	1898	Munich	1/5/31
Meissner, Fritz Walther	Max Planck	1907	Berlin	89
Meitner, Lise	Ludwig Boltzmann; Franz Exner Max Born	1906 1922 (Hab.)	Berlin Berlin	8/13/155

Meldola, Raphael	Sir Edward Frankland, Sir Norman Lockyer	1866 - 1873 (no Ph.D.)	Roy. Coll. Chem.	5/146
Meldrum, Andrew Norman	Francis Robert Japp	1904	Aberdeen	5/128
Mendeleyev, Dmitri Ivanovich	Nikolai N. Zinin	1865	St. Petersburg	5/3/17
Menshutkin, Nikolai Aleksandrovich	Dimitri I. Mendeleev	1869	St. Petersburg	5/28
Menten, Maud Leonora	Albert Prescott Mathews	1916	Chicago	18
Merrifield, Robert Bruce	Max Dunn	1949	UCLA	4/1
Merz, Viktor	Georg Städeler (teacher)	1864	Zurich	5/132
Meyer, Hans Horst	Max Jaffé	1877 (MD)	Königsberg	5
Meyer, Kurt Heinrich	Arthur Hantzsch	1907	Leipzig	1/5/31
Meyer, Viktor	Robert Bunsen	1867	Heidelberg	5/3/31
Meyers, Albert Irving	John J. Ritter	1957	NYU	14/68
Michael, Arthur	August W. Hofmann Robert Bunsen Adolphe Wurtz Dimitri Mendeleev	1871 1872 1879 1880 No degree	Berlin Heidelberg Paris St. Petersburg	7/73
Michaelis, August Karl Arnold			Goettingen/Jena	5
Michaelis, Leonor	No advisor Emil Fischer/Oskar Hartwig/Paul Ehrlich	1897 (MD)	Freiburg Berlin	2
Michelson, Albert Abraham	No advisor	1873 (no Ph.D)	U.S. Naval Acad.	2/13
Michler, Wilhelm Traugott	Viktor Meyer	1874	Zurich	45
Midland, Michael Mark	Herbert C. Brown	1972	Purdue	10/68
Miescher, Karl	Hermann Staudinger	1918	ETH	132
Miller, Stanley Lloyd	Harold C. Urey	1955	Chicago	68/164
Miller, Wilhelm von	Emil Erlenmeyer	1874	Munich	5/122
Miller, William Hallows	No advisor	1841 (MD)	Cambridge	103
Millikan, Robert Andrews	Michael Pupin	1895	Columbia	2
Mills, William Hobson	Hans von Pechmann	1901	Tuebingen	13
Mitscherlich, Eilhard		1814	Goettingen	3

	Jons J. Berzelius	(Oriental languages)	Stockholm	
Mitsunobu, Oyo				
Moffatt, John Gilbert	Har G. Khorana	1956	UBC	10/68
Mohr, Carl Friedrich	Apothecary Heinrich Rose (Berlin)	No deg.	Bonn/Heidelberg	3/73
Mohr, Ernst W.M.	Theodor Curtius	1897	Kiel	5
Mohs, Friedrich	Abraham Werner	1798	Freiberg	3
Møller, Christian		1932	Copenhagen	99
Mond, Ludwig	Robert Bunsen	1894 (hon. Ph.D.)	Heidelberg	160
Moore, Harold Wesley	H.R. Snyder	1963	Illinois	10/68
More O'Ferrall, Rory Anthony	John Howard Ridd	1962	UC London	35/63/68/106
Morley, Edward Williams	No advisor	1864 (MA)	Williams Coll.	12
Morse, Philip McCord	Karl Taylor Compton	1927	Princeton	2
Moseley, Henry Gwyn Jeffreys	No advisor	1913 (MA)	Oxford	5/11/115
Mosher, Harry Stone	Frank Clifford Whitmore	1942	Penn State	1/10/37
Mössbauer, Rudolf Ludwig	Heinz Maier-Leibnitz	1958	TU Heidelberg	8
Mouton, Henri				
Muetterties, Earl Leonard	Eugene George Rochow	1952	Harvard	2/37
Mukaiyama, Teruaki	Toshio Hoshino	1952?	Tokyo Inst. Tech.	68
Müller, Eugen Friedrich Wilhelm	Wilhelm Schlenk	1928	Berlin	5
Müller, Wilhelm	Wilhelm Ostwald	1906	Leipzig	89
Mulliken, Robert S.	William D. Harkins	1921/2	Chicago	4/37
Murahashi, Shun-ichi	Ichiro Moritani	1967	Osaka	63/68/96
Muthmann, Friedrich Wilhelm	Paul H.R. von Groth	1886	Munich	5
Nametkin, Sergei Semenovich		1917	Moscow	3/73
Napiersalski, Bernhard		1893	Basel	107
Nathan, Wilfred S.				
Natta, Giulio	Giorgio Renato Levi	1924 (civil eng.)	Milan Poly.Inst.	4/68

Navier, Claude Louis Marie Henri	No advisor	Civil eng.	Ecole Poly./ Ecole Ponts et Chaussees	32
Nazarov, Ivan Nikolaevich	Alexei Y. Favorskii	1941	Leningrad State	6/25
Neber, Peter W.	Otto Fischer	1911	Erlangen	5/68
Néel, Louis Eugène Félix	Pierre Ernest Weiss	1932	Strasbourg	10
Nef, John Ulric	Adolf Baeyer	1886	Munich	1/2/31
Negishi, Ei-Ichi	Allan R. Day Herbert C. Brown (post-doctoral advisor)	1963	Penn. Purdue	10/68
Nenitzescu, Costin D.	Hans Fischer	1925	TU Munich	184
Nernst, Hermann Walther	Friedrich Kohlrausch	1887	Wurzburg	4
Nesmeyanov, Aleksandr N.	Nikolai D. Zelinsky	1920	Moscow State	13/187
Nessler, Julius				
Neuberg, Carl	Alfred Wohl	1900	Berlin	5
Neumann, Franz Ernst	Christian S. Weiss	1825	Berlin	3
Nevile, R.H.C.				
Newman, Melvin Spencer	Rudolph J. Anderson	1932	Yale	1/2
Newton, Sir Isaac	No advisor	1668 (MA)	Cambridge	3
Nicholas, Kenneth M.	Rowland Pettit	1972	Texas (Austin)	10/68
Nicol, William	Studied geology and physics	No deg.	Edinburgh	32
Niementowski, Stefan		1887	Erlangen	73
Nieuwland, Julius Arthur		1904	Holy Cross Coll.	3
Nishimura, Shigeo				
Norris, James F.	Ira Remsen	1895	Johns Hopkins	37
Norrish, Ronald George Wreyford	Sir Eric Keightley Rideal	1924	Cambridge	4/13/37
Noyori, Ryoji	Hitosi Nozaki	1967	Kyoto	19
Nozaki, Hitosi				
Nuttall, John Mitchell	Hans Geiger, Sir Ernest Rutherford		Manchester	144
Nyholm, Ronald Stanley	Sir Christopher K. Ingold	1947+	UC London	13

	(mentor)	no Ph.D.		
Nyquist, Harry	Henry A. Bumstead	1917	Yale	164/168/141
Nysted, Leonard Norman		1951 BSc	St. Olaf College	10
Ohm, Georg Simon	unknown	1811	Erlangen	3/125
Olah, George Andrew	Geza Zemplen	1949	Tech.Budapest	1/10
Olsen, Fredric Phillip	Joseph F. Bunnett	1964	Brown	14/68
Onsager, Lars	Peter Debye	1928	Norges TH	4
Oppenauer, Rupert V.	Leopold Ruzicka, Thadeus Reichstein	1934	Zurich	87/132
Oppenheimer, Julius Robert	Max Born	1927	Goettingen	13/2
Oppolzer, Wolfgang	Vladimir Prelog	1964	ETH	63/68
Orton, Kennedy Joseph Previt�	Karl von Auwers	1896	Heidelberg	140
Ostwald, Friedrich Wilhelm	Carl Schmidt, Johann Lemberg, Arthur von Oettingen	1877/8	Dorpat	4/5/37
Overhauser, Albert Warner	Charles Kittel	1951	UC Berkeley	10/36
Overton, Charles Ernest	Max von Frey (at W�rzburg)	1899 (botany)	Zurich W�rzburg	3
Paal, Carl	Emil Fischer	1884	Erlangen	46
Pake, George Edward	Edward M. Purcell	1948	Harvard	10
Palm, Viktor Alekseevich				
Paneth, Friedrich Adolf	Zdenko Skraup	1910	Vienna	13
Pariser, Rudolph	Robert S. Livingston	1950	Minnesota	68
Parnas, Jakub Karol	Richard Willst�tter	1907	Munich	3/219
Parr, Robert Ghormley	Bryce L. Crawford	1947	Minnesota	68/10
Parr, Samuel Wilson		1885 MSc	Cornell	11
Pascal, Blaise	Self taught/studied mathematics, physics, philosophy	No deg.	Paris	32
Paschen, Louis Carl Heinrich F	August Kundt	1888	Berlin	3
Passerini, Mario	Luigi Alessandri	1915	Florence	5
Pasteur, Louis	Antoine Jerome Balard	1847	Ecole Norm.	3

Patterson, Arthur Lindo	Arthur S. Eve	1928	McGill	11/200
Pauson, Peter Ludwig	Robert D. Haworth	1949	Sheffield	147/148
Paternó, Emanuele, Marquis di Sessa		1871	Rome/Turin	5/73
Pauling, Linus Carl	Roscoe G. Dickinson	1925	Cal Tech	4/37
Pauli, Wolfgang	Arnold Sommerfeld	1922	Munich	3/13
Payne, George Bernson	Henry Rapoport	1950	UC Berkeley	14/68
Pearlman, William H.	O. Wintersteiner	1940	Columbia	68/164
Pearson, Ralph Gottfrid	Ward Vinton Evans	1943	Northwestern	10/37
Pechmann, Hans von	Heinrich Limpricht	1875	Greifswald	37/31/5
Pedersen, Charles J.	James F. Norris	1927	MIT	4
Peltier, Jean Charles Athanase	No advisor	No deg.	France	5
Penning, Frans Michel	H. Kammerlingh Onnes	1923	Leiden	5
Perkin, Sir William Henry	August W. Hofmann	1850s	Roy. Coll. Sci., London	3
Petasis, Nicos Andreou	K.C. Nicolaou	1983	Pennsylvania	68/66
Peterson, Donald J.	Henry Gilman	1962	Iowa State	10/68
Peterson, Paul Eugene	Carl Niemann	1956	Cal Tech	10/68
Petit, Alexis Thérèse	Pierre Dulong	1811	Ecole Polytech.	8/135
Pettit, Rowland		1957	London	14
Peyrone, Michel	Jean Baptiste Dumas; Justus Liebig	1839 – 42 1842 – 44	Paris Giessen	129
Pfeiffer, Paul	Alfred Werner	1898	Zurich	73
Pfitzner, K.E.	John Gilbert Moffatt	No Ph.D.		164
Pfund, August Herman	Joseph Sweetman Ames	1906	Johns Hopkins	75/111
Pictet, Amé	August Kekule Charles Graebe	1879 1881 Ph.D	Bonn Geneva	159
Piloty, Oskar	Emil Fischer	1890	Wurzburg	5
Pirani, Marcello Stefano	Emil Warburg	1904	Berlin- Charlottenburg	20/5
Piria, Raffaele	Jean Baptiste Dumas	1830s (no deg.)	Paris	73

Pitzer, Kenneth Sanborn	Wendell M. Latimer	1937	UC Berkeley	14/37
Planck, Max Karl Ernst Ludwig	G. Kirchhoff, H. Helmholtz (Berlin)	1879	Munich	15/122
Plesset, Milton Spinoza	John A. Wheeler Robert J. Oppenheimer (post-doc advisor)	1932	Yale UC Berkeley	163/164
Plücker, Julius		1824	Marburg	3
Pockels, Friedrich Karl Alwin	Waldemar Voigt	1888	Goettingen	5/121
Poiseuille, Jean Léonard Marie		1828	Ecole Norm.	3
Polanyi, Michael	Georg Bendig	1915/7	Budapest	13/37
Polonovski, Max	Arthur Hantzsch	1888	ETH	5
Polonovski, Michel	No advisor	1914 (MD)	Paris	5
Ponndorf, Wolfgang	E. Beckmann/S. Gabriel	1918	Berlin	89
Pope, Sir William Jackson	Henry E. Armstrong Frederick S. Kipping	1887	Imp. Coll. Goldsmith's Inst.	15
Pople, Sir John Anthony	Sir John E. Lennard-Jones	1951 (math.)	Cambridge	22
Porter, Lord George	Ronald G.W. Norrish	1948	Cambridge	68/106
Poynting, John Henry	No advisor	1879 (MA)	Cambridge	5/3/119
Prail, P.F.G.		1953/4	London	94
Prelog, Vladimir	Emil Votocek	1929	Prague	1/4
Prévost, Charles Paul		1928	Ecole Norm. Sup.	5/156
Prevost, Pierre				3
Prilezhaev, Nikolai Aleksandrovich		1911? 1912 (prof.)	Warsaw St. Petersburg	73/100
Prins, Hendrik Jacobus	J. Boeseken	1912 (Dr. Eng.)		5
Proust, Joseph Louis	Guillaume F. Rouelle	177?	Paris	73
Pulfrich, Carl	Rudolf Clausius	1882	Bonn	3
Pummerer, Rudolf	Otto Dimroth Richard Willstätter	1905	Munich	1/5/31
Radziszewski, Bronislaw	August Kekule	1868	Ghent	5/182
Ramachandran, G.N.	C.V. Raman (Indian)	1947	Madras	207

	Institute of Science, Bangalore) William A. Wooster	1949	Cambridge	
Raman, Sir Chandrasekhara Venkata	No advisor	1907 (MA)	Pres. Coll. Madras	13
Ramberg, Ludwig	Johann Martin Lovén	1902	Lund	5
Raney, Murray	No advisor	1909 (BSc)	Kentucky	73
Rankine, William John Macquorn	No advisor	1838 (no deg.)	Edinburgh	3
Raoult, François Marie		1863	Paris	8
Raschig, Friedrich August Fritz		1885	Berlin	73
Ratcliffe, Ronald William	Clayton H. Heathcock	1970	UC Berkeley	81/112
Raybin, Harry W.				
Rayleigh, Lord John William Strutt	Sir Joseph J. Thomson	1865 (no Ph.D.)	Cambridge	15/8
Reaumur, Rene-Antoine Ferchault de	Studied mathematics and physics in Paris, Saintoge, and Bercy	1700s	France	73
Ramsperger, Herman Carl	Charles W. Porter	1925	UC Berkeley	108/5/68
Rebek Jr., Julius	Daniel S. Kemp	1970	MIT	68/164
Redfield, Alfred Guillou	Robert J. Maurer	1953	Illinois	10/68/40
Redlich, Otto	Philipp Gross	1922	Vienna	5/68
Reformatskii, Sergei	Aleksandr Saytzeff	1890	Warsaw	6/5
Regitz, Manfred	Bernd Eistert	1962	Saarbrücken	47/63
Rehm, Dieter	Albert Weller	1965	TH Stuttgart	68/72
Reichardt, Christian	Karl Dimroth	1962	Marburg	67/72
Reichstein, Tadeusz	Hermann Staudinger Leopold Ruzicka	1922	ETH-Zurich	22
Reimer, Karl Ludwig	August W. Hofmann	1878	Berlin	7/5
Reinecke, Albert	Friedrich Beilstein	1865	Goettingen	107/121
Reitz, Otto	No advisor	1903 (MD)	Leipzig	5
Renner, Rudolf	Edward Teller	1934	Goettingen	89/107

Reppe, Walter	Kurt H. Meyer	1920	Munich	153
Reynolds, Osborne	No advisor	1870 (MA)	Cambridge	3/119
Rice, Francis Owens	Edward C.C. Baly	1916	Liverpool	106
Rice, Oscar Knefler	Gibson, George E.	1926	UC Berkeley	2/14/68
Richter, Charles Francis	Paul Epstein	1928	Cal Tech	75/126
Richter, Victor von		1872	St. Petersburg	31/73
Rieke, Reuben Dennis	Howard E. Zimmerman	1966	Wisconsin-Madison	10/68
Ringer, Sydney	No advisor	1863 (MD)	UC London	3
Ritchie, Calvin Donald	William Frederick Sager	1960	George Washington	10/117
Rittenberg, David	Harold C. Urey	1934	Columbia	14/68
Ritter, John Joseph	Marston Taylor Bogert	1924	Columbia	1/14
Ritz, Walter	Woldemar Voigt	1902	Goettingen	3
Roberts, John D.	Saul Winstein	1944	UCLA	10/68
Robinson, Sir Robert	William H. Perkin, Jr.	1909	Manchester	1
Rochow, Eugene George	Louis M. Dennis	1935	Cornell	14/68
Rodebush, Worth H.	Wendell H. Latimer	1917	UC Berkeley	2
Rondeau, Roger E.				
Röntgen, Wilhelm Conrad	August Kundt	1869	Polytech. Zurich	3
Roothaan, Clemens Carel Johannes	Robert S. Mulliken	1950	Chicago	14/37
Roozeboom, Hendrik Willem Bakhuis	Jakob Maarten van Bemmelen	1884	Leiden	3
Rosanoff, Martin Andre	Arthur Edward Hill Morris Loeb	1908	NYU	5/68
Rosenmund, Karl Wilhelm	Otto Diels	1906	Berlin	1/5
Rudloff, Ernst Max von		1953	Pretoria	14
Ruff, Otto	Oscar Piloty	1897	Berlin	5/1/31
Ruhemann, Siegfried	August W. Hofmann	1882	Berlin	5/157
Rupe, Hans	Adolf Baeyer	1889	Munich	5/31
Russell, Henry Norris	A.C. Young	1900	Princeton	2

Rutherford, Ernest, Lord	Sir Joseph J. Thomson	1897	Cambridge	5/22
Rychnovsky, Scott Douglas	Gilbert Stork	1986	Columbia	68/164
Rydberg, Johannes Robert	Holmgren	1879	Lund	5/73
Sachse, Hermann	Carl Liebermann	1889	Berlin	5
Sakurai, Hideki				
Sandmeyer, Traugott	Viktor Meyer, Arthur Hantzsch	1891	Heidelberg	1/5
Sanger, Frederick	A. Neuberger	1943	Cambridge	4
Sarett, Lewis Hastings	Everett S. Wallis	1942	Princeton	1/14
Saunders, Frederick Albert	Henry A. Rowland	1899	Johns Hopkins	2
Sawicki, Eugene	Francis Earl Ray	1952	Florida	14/68
Savart, Félix	No advisor	1816 (MD)	Strasbourg	3
Saytzeff, Alexander Mikhailovich	Hermann Kolbe, Alexandr M. Butlerov	1866 1870	Leipzig Kazan	6
Scaiano, Juan Cesar (Tito)	Eduardo Lissi	1970	Chile	68
Scatchard, George	Marston Taylor Bogert	1916	Columbia	2
Schaad, Lawrence Joseph	Charles G. Swain	1957	MIT	10/57
Schachtschneider, Jerry H.	Bryce L. Crawford	1959	Minnesota	79/113
Schaeffer, Ernst	Friedrich Arthur Kötze	1912	Goettingen	104
Schardinger, Franz				
Schechter, Israel		1987	Hebrew U, Jerusalem	208
Schenck, Günther Otto	Karl Ziegler	1939	Halle	88/98/154
Schiemann, Günther Robert Arthur		1925	TH Breslau	73
Schiff, Hugo Joseph	Friedrich Wohler	1857	Goettingen	3
Schlenk, Wilhelm	Oskar Piloty	1905	Munich	5/31
Schlosser, Manfred	Georg Wittig	1960	Heidelberg	48
Schmidt, Erhardt	David Hilbert	1905	Goettingen	3
Schmidt, J. Gustav				
Schmidt, Karl Friedrich	Robert Stolle	1912	Heidelberg	7/5
Schmitt, Rudolf	Adolphe Kolbe	1861	Marburg	5/73
Schneider, Abraham	Paul D. Bartlett	1944	Harvard	14

Schoenheimer, Rudolf	Harold C. Urey (post-doctoral advisor)	1923 (MD)	Berlin	14/68
Schönberg, Alexander Julius Wilhelm	Hugo Gerhard Cornelius Simonis	1919	Berlin	5
Schott, Otto Friedrich		1875	Jena	3/73
Schotten, Carl Ludwig Johannes	August W. Hofmann	1878	Berlin	5/1
Schottky, Walter Hans	Max Planck	1912	Berlin	5
Schowen, Richard L.	Charles G. Swain	1963	MIT	10/68
Schrock, Richard Royce	John Anthony Osborn	1971	Harvard	10/68
Schrödinger, Erwin	Friedrich Hasenohrl	1910	Vienna	3
Schuster, Kurt Eduard	Kurt H. Meyer	1922	Munich	89/122
Schwartz, Jeffrey	Eugene E. van Tamelen	1970	Stanford	10/68
Schweizer, Matthias Eduard	Carl Jacob von Löwig	1850s	Zurich	5
Scott, Carleton Browne	Charles G. Swain	1952	MIT	14
Seaborg, Glenn Theodore	George Ernest Gibson	1937	UC Berkeley	4/12/37
Seebeck, Thomas Johann	No advisor	1802 (MD)	Goettingen	3/73
Seitz, Frederick	Eugen Wigner	1934	Princeton	12
Senoff, Caeser V.	Albert D. Allen	1965	Toronto	195
Setschenow (Sechenov), Ivan Mikhailovich		1856	Moscow	3
Seyferth, Dietmar	Eugene G. Rochow	1955	Harvard	10/37/68
Shannon, Claude Elwood	Vannevar Bush	1940	MIT	10/32
Shapiro, Robert Howard	Robert B. Woodward	1964	Harvard	10/40
Sharpless, Karl Barry	Eugene E. van Tamelen	1968	Stanford	1/10/37
Sheibley, Fred Easley	C.F. Prutton	1939	Case Western	14
Sheldon, Roger A.	Jay Kochi (post-doc mentor)	1967	Leicester Case Western	68/204
Shoolery, James Nelson	R.G. Shulman	1952	Cal Tech.	10/68
Siebrand, Willem	G.J. Hoijtink	1963	Amsterdam	10/127
Siemens, Carl Wilhelm	No advisor	1841/2 (no deg.)	Goettingen	73
Simmons, Howard Ensign, Jr.	Arthur C. Cope,	1954	MIT	1/14

	John D. Roberts			
Skraup, Zdenko Hans	Heinrich Will	1875	Giessen	5/138
Slater, John Clarke	Percy Williams Bridgman	1924	Harvard	2
Smiles, Samuel	James Wallace Walker	1901	UC London	15
Smith, Ronald Dean	Arthur C. Cope	1955	MIT	1
Smoluchowski, Marian	Josef Stefan, F. Exner	1895	Vienna	3
Snatzke, Günther	E. Ziegler	1953	Graz	49
Snell, Willebrord van Roijen	No advisor	1600s (math.)	Leiden	32
Sobrero, Ascanio	Justus Liebig	1832 MD	Giessen	201
Solvay, Ernest	Gas works	No deg.	Belgium	73
Sommelet, Marcel		1901 (Lic.) 1902 (Pharm.)	Faculte des Sciences, Paris	50
Sommerfeld, Arnold Johannes Wilhelm	Carl Louis Ferdinand Lindemann	1891	Koenigsberg	3/37
Sørensen, Søren Peter Lauritz	Sophus Mads Jorgensen	1899	Copenhagen	3/73
Southern, Edwin Mellor				
Soxhlet, Franz von		1872	Leipzig	5/142
Spengler, Theodor				
Stahl, Shannon S.	James E. Bercaw Stephen J. Lippard (post-doctoral advisor)	1997	Cal Tech MIT	68/164
Stark, David D.				
Stark, Johannes	Eugen von Lommel	1897	Munich	3/122
Staudinger, Hermann	Daniel Vorlaender	1903	Halle	1/4
Stedman, Donald Frank				
Stefan, Josef	Ludwig Boltzmann (mentor)	1857 (lecturer)	Vienna	3
Stephen, Henry				
Stern, Otto	Otto Sackur	1916	Breslau	2

Stetter, Hermann	Burkhardt Helferich	1947	Bonn	72
Stevens, Thomas Stevens	Sir William Henry Perkin, Jr.	1925	Oxford	106/115
Stieglitz, Julius	Johann Tiemann	1889	Berlin	5
Still, W. Clark, Jr.	David J. Goldsmith	1972	Emory U	10/68
Stille, John Kenneth	Carl S. Marvel	1957	Illinois	14/51
Stobbe, Johann Hans H August Adolph	Johannes Wislicenus	1889	Leipzig	5/7
Stock, Alfred	Oscar Piloty	1899	Berlin	3/220
Stockmayer, Walter Hugo	James A. Beattie	1940	MIT	68/109/222
Stokes, Sir George Gabriel	William Hopkins	1841, 1874	Cambridge, Heidelberg	3/5/145
Stoltz, Brian Mark	John Wood E.J. Corey (post-doctoral advisor)	1997	Yale Harvard	68/164
Stork, Gilbert	Samuel M. McElvain	1945	Wisconsin	1/10
Strecker, Adolf Friedrich Ludwig	Justus Liebig	1842	Giessen	1/31
Suzuki, Akira	Takeshi Matsumoto	1959	Hokkaido U	38/40
Svedberg, Theodor	no supervisor	1907	Uppsala	4
Swain, Charles Gardner	Paul D. Bartlett	1944	Harvard	14/37
Swern, Daniel	J.T. Scanlon	1940	Maryland	1/14
Szilard, Leo	Max von Laue	1922	Berlin	12/68
Taft, Robert Wheaton, Jr.	Melvin S. Newman	1949	Ohio State	1
Tait, Peter Guthrie	William Hopkins Collaborated with Lord Kelvin	1852 (MA) (math.)	Cambridge	32/145
Taube, Henry	William C. Bray	1940	UC Berkeley	4
Tebbe, Frederick Nye	Riley O. Schaeffer	1963	Indiana	78/110
Teller, Edward	Werner Heisenberg	1930	Leipzig	10
Tesla, Nikola	No advisor	1879+ (no deg.)	Prague	3
Thiele, Friedrich Karl Johannes	Jacob Volhard	1890	Halle	5/3/31/37

Thomson, Sir John Joseph	Edward John Routh	1880 (BA)	Cambridge	3/37
Thornton, Edward Ralph	Charles G. Swain	1959	MIT	10/37
Thorpe, Sir Jocelyn Field	Karl von Auwers	1895	Heidelberg	1
Tiemann, Johann Karl Wilhelm Ferdinand	August W. Hofmann	1870	Berlin	7/11/37
Tiffeneau, Marc Émile Pierre Adolphe	Marcel Sommelet		Ecole Pharm.	1/11/50
Tishchenko, Vyacheslav E.	Alexandr M. Butlerov	1884	St. Petersburg	64
Tollens, Bernhard Christian Gottfried	Friedrich Wohler	1873	Goettingen	1/5/73
Tolman, Chadwick Alma	William D. Gwinn	1965	UC Berkeley	68
Tomalia, Donald Andrew	Harold Hart	1968	Michigan State	68/164
Topliss, John Gordon	Fred E. King	1954	Nottingham	10/68
Torricelli, Evangelista	Benedetto Castelli (former pupil of Galileo)	1620s (no deg.)	Rome	3
Townsend, Sir John Sealy Edward	Sir Joseph J. Thomson	no Ph.D. (demonstrator)	Cambridge	13
Tröger, Carl Julius Ludwig	Johannes Wislicenus	1887	Leipzig	5/142
Tropsch, Hans		1913 (Dr. Eng.)	Prague	1/5/73
Trost, Barry M.	Herbert O. House	1965	MIT	205
Tsuiji, Jiro	Gilbert Stork	1960	Columbia	40
Tsuno, Yuho		1959	Osaka	63
Tuppy, Hans	E. Spath; F. Wessely F. Sanger	1948	Vienna Cambridge	68
Turner, Arthur Francis	Peter Pringsheim	1935	Berlin	14/72
Tsuda, K.				
Tyndall, John	Heinrich Gustav Magnus (Berlin)	1850	Marburg	73
Uemura, Sakae	Katsuhiko Ichikawa	1966?	Kyoto	68
Ugi, Ivar Karl	Rolf Huisgen	1954	Munich	63/68/98
Uhlenbeck, George Eugene	Paul Ehrenfest	1927	Leiden	145

Ullmann, Fritz	Charles Graebe	1895	Lausanne	5/136
Van Allen, James Alfred	Edward P.T. Tyndall	1939	State U of Iowa	10/12/39
Van Boom, Jacobus Hubertus	Arens; Brandsma Lord A. Todd C.B. Reese E. Havinga	1969	Utrecht Cambridge (pd) Leiden (pd)	191
Van de Graaff, Robert J.	Karl T. Compton (MIT post-doctoral advisor)	1928	Oxford	14/68
Van der Waals, Johannes Diderik	Pieter Leonard Rijke	1873	Leiden	5/73/176
Van Vleck, John Hasbrouck	Edwin Crawford Kemble	1922	Harvard	2/13
Van't Hoff, Jacobus Henricus	E. Mulder	1874	Utrecht	4/22
Vaska, Lauri	George W. Watt	1956	Texas	10/68
Vavilov, Sergey Ivanovich		1914	Moscow U	100
Vedejs, Edwin	Hans Muxfeldt	1966	Wisconsin-Madison	10/40/68
Verdet, Marcel Émile				
Verlet, Loup				
Verley, A.				
Vernier, Pierre	Self taught, instruments	No deg.	France	3
Viehe, Heinz Gunter	Ferdinand Bohlmann	1955	Berlin	63/68
Vigreux, Henri	Glass manufacturer			
Villager, Victor	Adolf Baeyer	1893	Munich	1/7/31
Villiers-Moriamé, Antoine	Marcellin Berthelot	1880	Collège de France	5/199
Vilsmeier, Anton	Otto Fischer	1924	Erlangen	70
Volhard, Jacob	Heinrich Will	1855	Giessen	7/5/31/37
Volkenstein, Mikhail Vladimirovich		1935	Moscow State U	97
Volmer, Max	Karl Schaum	1910	Leipzig	5
Volta, Alessandro Giuseppe Anastasio	Studied philosophy and natural sciences	1770s	Como	73
Vorbrüggen, Helmut	Hans Brockmann	1962?	Goettingen	68
Waage, Peter	Robert Bunsen	1859 BSc 1859 - 60	Christiania Heidelberg	3

Wacker, Leonhard	Otto Fischer	1888	Erlangen	5/31
Wadsworth, William S., Jr.	C.O. Jensen	1956	Penn. State	14/114
Wagner (Vagner), Georg	A. Saytzeff, A. Butlerov	1874 1888	Kazan Warsaw	6/1/3
Walborsky, Harry M.	Melville S. Newman E.R. Buchanan Saul Winstein (post-doctoral advisors)	1949	Ohio State Cal Tech UCLA	10/68
Walden, Paul	Friedrich Ostwald Carl A. Bischoff	1891	Leipzig	5/3/31
Wallach, Otto	Hans J.A.E. Hubner	1869	Goettingen	5/4/37
Waller, Ivar	Kai Manne Georg Siegbahn	1925	Uppsala	5/68
Walsh, Arthur Donald	W.C. Price	1941	Cambridge	13
Wang, Su-Sun	Frederick H. Carpenter	1966	UC Berkeley	164
Wanzlich, Hans Werner	Helmut Scheibler	1951	TU Munich	68/5
Watson, James Dewey	Salvador Edward Luria	1950	Indiana	1/10
Watson, Richard	No advisor	1760	Cambridge	3/203
Watt, James	Mechanics and instrumentation	1750s (no deg.)	Glasgow	73
Wawzonek, Stanley	Charles F. Koelsch	1939	Minnesota	14/56
Weber, Wilhelm Eduard	Johann C.S. Schweigger	1826	Halle	3/37
Weerman, Rudolf Adriaan		1916	Delft	223
Weinreb, Steven Martin	Marshall G. Gates George Buchi (post-doc advisor)	1967	Rochester MIT	10/68
Weiss, Pierre Ernest	Pierre Curie	1896	Ecole Norm. Sup.	3
Weiss, Ulrich	Hans Waldmann	1930	Prague	14/68
Weller, Albert Hermann	Gustav Kortum	1950	Tuebingen	21
Wenker, Henry				
Wentzel, Georg	Arnold Sommerfeld	1921	Munich	5/3
Werner, Alfred	Arthur Hantzsch	1890	ETH	4
Wessely, Friedrich	A. Franke	1922	Vienna	132

West, Randolph	No advisor	1917 (MD)	Columbia	166
Westheimer, Frank Henry	James B. Conant	1935	Harvard	1/10
Wharton, Peter Stanley	Harry H. Wasserman	1959	Yale	10/68
Wheatstone, Sir Charles	No formal science education (family of musical instrument makers)	1830s (no deg.)	England	3
Wheland, George Willard	James B. Conant	1932	Harvard	14/68
Widmer, Gustav	Emil Bosshard	1923	ETH	132
Wiechell, Heinrich G.	August Michaelis	1894	Rostock	89/134
Wiechert, Johann Emil		1889	Koenigsberg	5
Wieland, Heinrich Otto	Johannes Thiele	1901	Munich	1/4/31
Wieland, Peter	Leopold Ruzicka	1946	ETH	132
Wien, Wilhelm Carl Werner	Hermann von Helmholtz	1886	Berlin	3/12
Wiener, Norbert	Karl Schmidt	1913	Harvard	2
Wigner, Eugene Paul	Michael Polanyi	1925	TH Berlin	2/5
Wilhelmy, Ludwig F.	Justus Liebig	1846	Heidelberg	5
Wilkinson, Sir Geoffrey	Henry Vincent Aird Briscoe	1946	Imperial Coll. London	4/22/37
Willgerodt, Conrad	Adolf Karl Ludwig Claus	1875	Freiburg	5/120
Williams, Robert M.	William H. Rastetter	1979	MIT	65/40
Williamson, Alexander William	Justus Liebig	1845	Giessen	1/31
Willstätter, Richard Martin	Alfred Einhorn	1894	Munich	1/4/31
Wilson, Charles Thomson Rees	Sir Joseph J. Thomson	1892	Cambridge	8/12
Winstein, Saul	Howard Johnson Lucas	1938	Cal Tech	1/2/37
Winter, Roland Arthur Edwin	Elias J. Corey	1965	Harvard	10
Winther, A.				
Wislicenus, Johannes	Wilhelm H. Heintz	1860	Zurich	5
Wittig, Georg F.K.	Karl von Auwers	1923	Marburg	4
Wohl, Alfred	August W. Hofmann	1886	Berlin	1/31
Wöhler, Friedrich	Leopold Gmelin	1823 (MD)	Heidelberg	3/37
Wolff, Ludwig	Rudolph Fittig	1882	Strasbourg	1/5

Woodward, Robert Burns	Avery Allen Ashdown	1937	MIT	4/37
Wolfe, Saul	Bernard Belleau	1957	Ottawa	68
Wolfsberg, Max	Lindsay Helmholtz	1951	Washington U., St. Louis	10/68
Woolf, Barnet	Frederick G. Hopkins	1930	Cambridge	118
Wurster, Casimir	Viktor Meyer	1875	Zurich	31/73
Wurtz, Charles Adolphe	Jean-Baptiste Andre Dumas	1843 (MD)	Strasbourg	3/8/31/73
Wynne, William Palmer	Henry E. Armstrong	1892	London	5/15
Yang, Weitao	Robert G. Parr	1986	Chapel Hill	10
Yates, Keith	Ross Stewart	1959	UBC	10
Yeakey, Ernest Leon	Stanley Wawzonek	1960	Iowa State	10/93
Young, Thomas	Studied medicine in London, Edinburgh, Goettingen, Cambridge	1790s		32
Yukawa, Yasuhide		1936	Osaka	102
Zeeman, Pieter	Heike Kamerlingh Onnes	1893	Leiden	5
Zeise, William Christopher	Hans C. Oersted (mentor)	1817	Copenhagen	3
Zeiss, Harold Hicks	William v. E. Doering	1949	Columbia	14
Zeleny, John	Henry T. Eddy Sir J.J. Thomson	PhD1906 BA 1899	Minnesota Cambridge	5/68/113
Zelinsky, Nicolai Dmitrievitch	Peter G. Melikoff Johannes Wislicenus Victor Meyer	1891	Odessa Leipzig Goettingen	1/3/5/73
Zemplen, Geza	Emil Fischer (Berlin) Post-doctoral advisor Emil Fischer (post-doctoral advisor)	1904 (physics)	Budapest Berlin	3
Zener, Dean Clarence Melvin	E.C. Kemble	1929	Harvard	14/68
Zerner, Michael Charles	Martin Gouterman	1966	Harvard	10/68
Zervas, Leonidas	Max Bergmann	1926	Berlin	3
Zhabotinsky, Anatol M.	Simon Shnol	1965	Moscow State	165

Ziegler, Karl	Karl von Auwers	1920	Marburg	1
Zimmerli				
Zimmerman, Howard Elliott	Harry H. Wasserman	1953	Yale	10/68
Zincke, Theodor (Ernst Carl)	August Kékule	1869	Goettingen	5
Zinin, Nikolai Nikolaevich	Justus Liebig	1840	St. Petersburg	3/23/31
Zucker, Lois Mason	Louis P. Hammett	1940	Columbia	14
Zweig, George	Richard P. Feynman	1964	Cal Tech	164

Scientists Associated with Discovering the Elements

NAME OF SCIENTIST	SUPERVISOR	Ph.D.YEAR	UNIV.	REFERENCE
Abelson, Philip Hauge	E.O. Lawrence	1939	UC Berkeley	8
Arfvedson, Johann August	Jons J. Berzelius	1800s (no deg.)	Stockholm	73
Armbruster, Peter	H. Maier-Leibniz	1961	TU Munich	170
Auer, Karl Freiherr von Welsbach	Robert Bunsen	1882	Heidelberg	8
Balard, Antoine Jérôme	Jacques E. Berard	1826 (pharm)	Ecole Polytech.	8
Berg, Otto				
Berzelius, Jöns Jakob	Torbern O. Bergman Johann Afzelius	1802 (MD)	Uppsala	3/37
Black, Joseph	William Cullen	1754 (MD)	Edinburgh	8/37
Brand, Hennig	Soldier and officer	No deg.	Germany	73
Brandt, Georg	No advisor	1726 (MD)	Rheims	8
Bunsen, Robert Wilhelm	Friedrich Stromeyer	1830/3	Goettingen	5/8/37
Cavendish, Henry	No advisor	1753 (no deg.)	Cambridge	8
Choppin, Gregory Robert	George W. Watt	1953	Texas	10/40
Cleve, Per Teodor	Carl G. Mosander	1863	Uppsala	3

Corson, Dale Raymond	Emilio Segre	1938	UC Berkeley	10/68
Coryell, Charles Dubois	Arthur Amos Noyes	1935	Cal Tech	126
Coster, Dirk	Paul Ehrenfest	1922	Leiden	8/3
Courtois, Bernard	Antoine Fourcroy/ Louis Jacques Thenard	1801	Ecole Polytech.	8/73
Cranston, John Arnold	Frederick Soddy	1921	Glasgow	58/106/73
Crawford, Adair	No advisor	1780 (MD)	Glasgow	73
Cronstedt, Axel Frederik, Baron	Georg Brandt	1748 (no Ph.D.)	Uppsala/ School of Mines	8/73
Crookes, Sir William	August W. Hofmann	1854	Roy.Coll. Chem.	8
Curie, Marie (Manya née Sklodowska)	Antoine Becquerel	1902	Sorbonne	4
Curie, Pierre		1895	Sorbonne	5/3
D'Elhuyar, Don Fausto	Abraham Werner	1770s	Freiberg School of Mines	8/73
D'Elhuyar, Don Juan José	Abraham Werner	1770s	Freiberg School of Mines	8/73
Davy, Sir Humphry	No advisor	No deg.	England	73
de Boisbaudran, Paul Émile Lecoq	Adolphe Wurtz	No deg.	Paris	73
de Marignac, Jean Charles Galissard	Justus Liebig	1839 1840s	Ecole des Mines Giessen	3
Debierne, André Louis	Charles Friedel/ Pierre Curie/ Marie Curie	1914	Sorbonne	8/73
del Rio, Andrés Manuel	No advisor	1781	Colegio de San Isidro	8/73
Delafontaine, Marc				

Demarçay, Eugène Anatole	Auguste Cahours	1880 (hon. deg.)	Ecole Poly.	73
Dorn, Friedrich Ernst		1871	Koenigsberg	8/73
Ekeberg, Anders Gustaf	Torbern Olof Bergman	1788	Uppsala	8/73
Fajans, Kasimir	Georg Bredig	1909	Heidelberg	8/72
Fleck, Sir Alexander	Frederick Soddy	1916	Glasgow	13
Gadolin, Johann	Torbern Olof Bergman	1780s	Uppsala	8
Gahn, Johan Gottlieb	Torbern Olof Bergman	1770	Uppsala	8/73
Gay-Lussac, Joseph Louis	Claude Louis Berthollet	1800	Ecole Polytech.	8/73
Ghiorso, Albert	No advisor	1937 (BSc)	UC Berkeley	10
Glendenin, Lawrence Elgin	R.R. Edwards	1949	MIT	14/68
Göhring, Otto H.				14
Gregor, Rev. William	No advisor	1780s	Cambridge	8
Hahn, Otto	Theodore Zincke	1901	Marburg	4
Harvey, Bernard George		1958	Oxford	14
Hatchett, Charles	No advisor	No deg.	England	73
Hevesy, György Karl von	Georg Meyer	1908	Freiburg	4/13
Hisinger, Wilhelm	Jons J. Berzelius	No deg.	Stockholm	73
Hjelm, Peter Jacob	Torbern O. Bergman	1770s	Uppsala	8/73
James, C.				
James, Ralph Arthur	Glenn T. Seaborg	1948	UC Berkeley	14
Kennedy, Joseph William	Glenn T. Seaborg	1939	UC Berkeley	20
Kirchhoff, Gustav Robert		1847	Koenigsberg	3
Klaproth, Martin Heinrich	apothecary	No deg.	Germany	73
Larsh, A.E.				
Latimer, R.M.				
Löwig, Carl Jakob	Leopold Gmelin	1830?	Berlin/ Heidelberg	73

Mackenzie, Kenneth Ross	Glenn T. Seaborg	1940	UC Berkeley	14
Magnus, Albertus St.	Studied philosophy, medicine, theology	1220s	Padua	8/73
Marinsky, Jacob A.	Charles D. Coryell	1949	MIT	14/109
McMillan, Edwin Mattison	Edward Condon	1932	Princeton	4
Meitner, Lise	Ludwig Boltzmann	1922	Berlin	13
Moissan, Ferdinand Frederic Henri	Pierre Paul Deherain	1880	Paris	4/8/3/37
Morgan, Leon Owen	Glenn T. Seaborg	1947	UC Berkeley	10
Mosander, Carl Gustav	Jons J. Berzelius (Stockholm)	1825 (MD)	Uppsala	3/73
Müller, Franz Joseph von Reichenstein, Baron	No advisor	1790s (no deg.)	Transyl- vania	73
Münzenberg, Gottfried				
Nilson, Lars Frederick	Svanberg	1866	Uppsala	8/73
Noddack, Ida Eva Tacke	D. Holde	1920	TU Berlin	8/68
Noddack, Walter Karl Friedrich	J. Eggert	1921	Berlin	8/68
Örsted, Hans Christian	No advisor	1792 (pharm.) 1799	Copenhagen	3/8/73
Perey, Marguerite Catherine	Marie Curie/ Pierre Curie	1920s	Paris	8/73
Perrier, Carlo				
Priestley, Joseph	No advisor	1767	Edinburgh	73
Ramsay, Sir William	Rudolph Fittig	1873	Tuebingen	4/5
Rayleigh, Lord John William Strutt	Edward John Routh	1865 (BA)	Cambridge	8/3/37
Reich, Ferdinand	Joseph L. Gay- Lussac/Alexandre Brogniart/ Dominique Francois J. Arago	1819+ (no deg.)	Goettingen/P aris	8/73
Richter, Hieronymous Theodor	Ferdinand Reich	1850s	Freiberg School of	8/73

			Mines	
Rutherford, Daniel	Joseph Black	1772 (MD)	Edinburgh	73
Scheele, Carl Wilhelm	Torbern O. Bergman	1770s	Uppsala	17
Seaborg, Glenn T.	G.N. Lewis/ E.O. Lawrence	1937	UC Berkeley	4
Segré, Emilio Gino	Enrico Fermi	1928	Rome	8
Sikkeland, T.				
Sniadecki, Jędrzej Andrzej	No advisor	1793 (MD)	Pavia	73
Soddy, Frederick	Sir Ernest Rutherford (post-doc)	1898 (BSc)	Oxford	4/22
Soret, Jaques Louis	No advisor	1850s (no deg.)	Geneva	73
Street, Jr., Kenneth	Glenn T. Seaborg	1949	UC Berkeley	14/68
Tennant, Smithson	Joseph Black	1781 1796(MD)	Edinburgh Cambridge	17/73
Thénard, Louis Jacques Baron	Louis Nicolas Vauquelin	1790s (no deg.)	Ecole Poly.	8/3
Thompson, Stanley Gerald	Glenn T. Seaborg	1948	UC Berkeley	14/52
Travers, Morris William	William Ramsay	1893 (BSc)	UC London	13
Urbain, Georges	Charles Friedel	1899	Paris	3
Vauquelin, Louis Nicolas	Antoine Fourcroy	1780s		3
Wahl, Arthur Charles	Glenn T. Seaborg	1942	UC Berkeley	10/68
Walton, John Richard	William H. Johnston	1957	Purdue	14/92
Winkler, Clemens Alexander		1864	Leipzig	8/73
Wollaston, William Hyde	Studied medicine	1787	Cambridge	3/73

Note:

Names written in bold type are still alive at the time of this writing.

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