

Liste von Elektrotechnikern

Kurzbiographien sind auch enthalten in:

Jäger, Kurt und Heilbronner, Friedrich: Lexikon der Elektrotechniker. 2., überarbeitete und ergänzte Auflage. VDE Verlag; Berlin, Offenbach; 2010; ISBN 978-3-8007-2903-6, 524 S. – in der Spalte **Quelle** zitiert als „LdE“.

Eine Liste mit den Abkürzungen in der Spalte „Quelle“ befindet sich auf der letzten Seite 32 der ersten Tabelle.

Danach folgt in englischer Sprache noch eine Tabelle mit biographischen Angaben:

Candidates for inclusion in the second edition of Jäger's „Lexikon der Elektrotechniker“.

Compiled in January 2006 by Frederik Nebeker Ph.D, IEEE History Center, Rutgers U, Newark, New Jersey.

Bei einigen Namen wird in Schrägstrichen /...../ die Standnummer des Buches in der Bibliothek des Deutschen Museums angegeben.

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Dr.-Ing. habil. Friedrich Heilbronner
Deutsches Museum
80306 München

Name	Lebensjahre	Quelle		
Abraham, Henri	1868-1943	Messtechniker. Lar., Suppl. au Tome I	1958	
Ader, Clément	1841-1925	LdE		
Aichele, Albert	1865-1922	LdE		
Aiken, Howard H.	1900-1973	LdE		
Ailleret, Pierre	1900-1996	Energiewirtschaftler + Normungstechniker.		
		ETZ-A	91(1970)5	S. 310
		El.wi.sch.	52(1953)2	S. 34
		IEEE Pow. Eng. Rev.	Dec. 1996	S. 31
Alexanderson, Ernst F.	1878-1975	LdE + Proc. IEEE	87(1999)10	S. 1825-1828
Alioth, Rudolf	1848-1916	LdE		
Allibone, Thomas Edward	1903-2003	LdE		
Ampere, André	1775-1836	LdE		
André, Henri George	1896-1967	LdE		
Angström, Anders J.	1814-1874	LdE		
Angwin, Sir Arthur Stanley	1883-1959	LdE		
Anschütz-Kaempfe, Hermann	1872-1931	LdE		
Arago, D. François J.	1786-1853	LdE		
Arco, Graf Georg von	1869-1940	LdE		
Ardenne, Manfred von	1907-1997	LdE + Internetangaben + ETZ	108(1987)6/7	S. 296
Armstrong, Edwin H.	1890-1954	LdE		
Armstrong, Lord William G.	1810-1900	LdE		
Arnó, Riccardo	1866-1928	LdE		
Arnold, Engelbert	1856-1911	LdE		
Arnold, Harold D.	1883-1933	US-Nachrichtentechniker. Proc. IEEE	86(1998)9	S. 1895-1896
Aron, Hermann	1845-1913	LdE		
Arons, Leo M.	1860-1919	LdE		
Arrhenius, Svante Aug.	1859-1927	LdE		
Arsonval, Arsène d'	1851-1940	LdE + Bull. SEV	24(1933)14	S. 321
Artomi, Alessandro	1867-1927	Nachrichtentechnik-Professor in Turin.		

Name	Lebens- jahre	Quelle		
Aschoff, Volker	1907-1996	Nachrichtentechniker. RWTH		S. 45-46, 196
Ashbridge, Sir Noel	1869-1975	LdE		
Aubry, J.		ingénieur principal de la Comp. Générale d'Electricité (Energiekabel).	CIGRE 1921	
Auer von Welsbach, Carl	1858-1929	LdE		
Ayrton, Hertha	1854-1923	LdE		
Ayrton, William Edward	1847-1908	LdE + E u. M	26(1908)49	S. 1082
B aatz, Herbert	1905-1989	Hochspannungstechniker. ETZ-A	1958	S. 662
		ETZ-A	91(1970)6	S. 366(Bild)
		ETZ	110(1989)19	S. 1059
		El.wi.sch.	69(1970)11	S. 314
Babbage, Charles	1791-1871	LdE		
Bader, Wilhelm	1900-1984	LdE		
Baekeland, Leo H.	1863-1944	LdE		
Bagrit, Sir Leon	1902-1979	LdE		
Bailey, Sir George E.	1879-1965	LdE		
Bain, Alexander	1811-1877	LdE		
Baines, Frederick E.	1832-1911	LdE		
Baird, John L.	1888-1946	LdE		
Bakker, Gerard Jacob Theod.	1885-1955	LdE		
Balk, Pieter	1924-2006	Halbleitertechniker. RWTH		S. 216
Balsillie, John Graeme	1885-1924	Funktechniker.		
		Australian dictionary of Biography, 647 S.	1979	S. 162
Bardeen, John	1908-1991	LdE		
Barkhausen, Georg Heinrich	1881-1956	LdE + ETZ-A	77(1956)11	S. 348
Barlow, Peter	1776-1862	LdE + www.patrimoine.polytechnique.fr		
Bartenstein, Reinhold	1905-1976	Hochspannungstechniker. ETZ-A	98(1977)4	S. 322-323
Barthélemy, René	1889-1954	LdE		
Basel, Carl von	1914-1989	Messtechniker. RWTH		S. 202
Bauder, Reinhold	1902-1994	LdE		
Baudot, Jean M. E.	1845-1903	LdE		
Bauknecht, Gottlob	1892-1976	LdE		
Beck, Heinrich	1878-1937	LdE		
Becker, Joseph A.	1897-1961	Mitarbeiter von Wa. H. Brattain, Bell Labs		
Beckmann, Arnold Orville	1900-2004	US-Messtechniker. Internet		
Becquerel, Antoine César.	1788-1878	LdE		
Beetz, Fr. Wilhelm H. von	1822-1886	LdE		
Begun, Semi J.	1906-1995	LdE		
Behm, Alexander K. F. F.	1880-1952	LdE		
Behner, Hermann J.	1881-	Telefunken-Direktor.		
		Reichshandbuch der deutschen Gesellschaft	Bd. 1(1930)	Eintrag 398
Behn-Eschenburg, Hans	1864-1938	LdE + Bull. SEV	29(1938)15	S. 420-421
		Bull. Oerlikon, Mai/Juni	203/204(1938)	S. 1261-1264

Name	Lebens- jahre	Quelle		
Behrend, Bernhard A.	1875-1932	LdE		
Bell, Alexander Graham	1847-1922	LdE		
Bellaschi, Paul L.	1903-1993	Westinghouse-Hochspannungstechniker.		
		IEEE Power Engineering Review	13(1993)8	S. 15
Bellati, Manfredo	1848-1932	LdE		
Beltrami, Aurelio	1891-1967	Funk- u. Radiotechniker in Mailand. Internet.		
Benardos, Nikolai N.	1842-1905	LdE		
Benischke, Gustav	1867-1947	LdE		
Bennet, Alfred R.	1850-1928	LdE		
Berger, Karl	1898-1993	LdE + Jahresbericht des Hochspannungs- lehrstuhls, TU München	1993	
Bergmann, L. Sigmund L.	1851-1927	LdE + El. Bahnen	2(1926)6	S. 213-214
Berliner, Emil	1851-1929	LdE		
Beverage, Harold Henry	1893-1993	LdE + Proc. IEEE	81(1993)12	S. 1789
Bidwell, Shelford	1848-1909	LdE		
Biegelmeier, Gottfried	1924-2007	LdE + El.-wi.sch.	98(1999)26	S. 55
Biermanns, Josef	1892-1966	LdE + HELIOS	42(1936.II)35	S. 1060
Bille, Hans	1901-1960	Elektrizitätswirtschaftler. RWTH		S. 190
Binder, Ludwig	1881-1958	LdE		
Bingel, Rudolf	1882-1945	LdE		
Biot, Jean-Baptiste	1774-1862	LdE		
Birkhoff, George David	1884-1944	US-Mathematiker (Regelungstechnik dynami- scher Systeme). G.W.		S. 202
Bláthy, Ottó T.	1860-1939	LdE		
Blau, Fritz	1865-1929	Glühlampenspezialist. ETZ	50(1929.II)	S. 1863-1864
		Die Naturwissenschaften	18(1930)5	S. 100-101
Blondel, André Eugène	1863-1938	LdE		
Blumlein, Alan D.	1903-1942	LdE		
Böcker, Helmut	1913-1997	Hochspannungsprofessor. etzArchiv	10(1988)7	S. 237
		RWTH		S. 215
Bödefeld, Theodor	1898-1959	LdE		
Boekels, Hans	1906-1986	Messtechniker. RWTH		S. 191
Böning, Paul	1887-1972	Hochspannungstechniker. RWTH		S. 196
Bolton, Werner	1868-1912	LdE		
Bontsch-Brujewitsch, Mich.	1888-1940	LdE		
Boos, Bernhard	-1954	F&G-Nachrichtentechniker.		
		F&G-Rundschau	(1955)38	S. 281-282
Booth, Hubert Cecil	1871-1955	LdE		
Borel, François	1842-1924	LdE		
Borel, G.-A.	1873-1945	(im LdE: Onkel François B.). Bull. SEV	36(1945)19	S. 661
Borgnis, Fritz E.	1906-1982	LdE		
Borries, Bodo J. H. von	1905-1956	LdE + ETZ-A	77(1956)17	S. 599

Name	Lebens- jahre	Quelle		
Bosch, Robert	1861-1942	LdE		
Bose, Georg M.	1710-1761	LdE		
Bose, Jagdish Chandra	1858-1937	Coherer-Erfinder aus Bengalen.		
		Ancient Wireless Association Journal	47(2006)July	S. 50-54
Boucherot, Paul	1869-1943	LdE + Bull. SEV	34(1943)24	S. 749
		RGE	52(1943)9	S. 257
Boveri, Walter	1865-1924	LdE		
Bowden, Edward	-1939	Kabel-Ingenieur, Enfield Cable Works, London		
		engl. Patent „Cable joints“, appl. Sept.22,1934	444,408	
		US-Patent „Termination and joint for electric cables“, filed Sept. 7, 1935	2,174,377	Sept. 26, 1939
Bown, Ralph	1891-1971	US-Funktechniker. Proc. IEEE	85(1997)9	S. 1511-1513
Boys, Charles V.	1855-1944	Blitzforscher.		
		Who was who 1941–1950. A&Chr. Black, London /ZA 3581/	Bd. 4(1952)	S. 131
Bradley, Charles Sch.	1853-1929	Erfinder. Webster's biograph. dictionary	1943	
Bragstad, Ole S.	1868-1927	Starkstromtechniker.		
		Fougner, E.: Norske ingenierer og arkitekter. Kristiania	1916	
Brainerd, John Grist	1904-1988	ENIAC developper. Proc. IEEE	84(1996)3	S. 502
		Lee, J. A. N.: Computer pioneers. IEEE Computer Society Press	1995	S. 132
Branly, Edouard E.	1844-1940	LdE		
Brandt, Leo	1908-1971	Nachrichtentechniker, Forschungspolitiker.		
		RWTH		S. 47
Brattain, Walter H.	1902-1987	LdE		
Braun, Karl Ferdinand	1850-1918	LdE + ETZ	71(1950)19	S. 530
Bredow, Hans K. A.	1879-1959	LdE + ETZ-A	80(1959)5	S. 158-159
Breslauer, Max	1869-1929	LdE + E u. M	27(1906)18	S. 433
		E u. M	47(1929)22	S. 477
Brett, John W.	1805-1863	LdE		
Bright, Sir Charles T.	1832-1888	LdE		
Brinkmann, Curt	1910-	Nachrichtentechniker. ETZ	111(1990)7/8	S. 428
Brinkmann, Karl	1911-2005	LdE + El.wi.sch	56(1957)23	S. 882
Brittain, James E.	1929-	US-Technikhistoriker, Georgia Institute of Technology. Proc. IEEE	87(1999)1	S. 205
Brock, Friedrich	1870-1941	LdE		
Bronk, Otto von	1872-1951	LdE + HELIOS	48(1942)	S. 126-Radio
		ZFWG	13(1932)4	S. 63
Brown, Charles	1827-1905	LdE		
Brown, Charles E. L.	1863-1924	LdE		
Brown, Frederick Harvey	1842-	US-Erfinder.		
		Herringshaw's Amer. blue-book of biography	1915	
Brown, George H.	1908-1987	LdE		
Brown, Sidney W.	1865-1941	LdE		
Bruch, Walter	1907-1990	LdE + ETZ	111(1990)13	S. 713

Name	Lebens- jahre	Quelle		
Brüderlink, Robert	1893-1978	LdE		
Bruncken, Johannes	1880-1968	LdE + El.wi.sch.	49(1950)3	S. 97
		El.wi.sch.	64(1965)5	S. 140
Brush, Charles	1849-1929	LdE + E u. M	47(1929)37	S. 822
		J. of Fr. I.	173(1912.1)6	S. 561-580
Buchhold, Theodor	1900-1984	Energietechniker.		
		Wolf, Chr.: Verzeichnis der Hochschullehrer der TH Darmstadt	1977	S. 33
Buchholz, Herbert	1895-1971	LdE + ETZ-A	92(1971)11	S. 653
Buchholz, Max	1875-1956	LdE		
Buchkremer, Stefan	1901-	Hochspannungszosillograf. ETZ-B	28(1976)9	S. 283
Budde, Emil Arnold	1842-1921	Siemens-Starkstromtechniker. ETZ	42(1921)41	S. 1153-1154
Bürgin, Emil	1848-1933	LdE + Bull. SEV	24(1933)	S. 378
Buess-Weltner, Theo	1878-1944	Energiewirtschaftler. Bull. SEV	36(1945)2	S. 53
Bunet, Paul	1873-1939	Starkstromtechniker. R.G.E.	45(1939)9	S. 259-262
Bunsen, Robert W.	1811-1899	LdE		
Burstyn, Walter	1877-1961	Telefunken-Nachrichtentechniker. GvA		S. 121, 271
Busch, Hans W.	1884-1973	LdE		
Busch, Hans-Günther	1927-2007	Energietechniker + DVG-Vorsitzender.		
		ETG-Mitgliederinformation	Januar 2008	S. 36
		ETZ	113(1992)11	S. 672
Buschbeck, Werner	1900-1974	LdE		
Bush, Vannevar	1890-1974	LdE		
Cabella, Bartolomeo	1847-1907	LdE		
Callender, Thomas O.	1855-1938	englischer Kabelingenieur und -hersteller.	CIGRE 1921	
		Morgan, R. M.: Callender's. BICC Prescott	1982	256 S.
		ODNB	Bd. 9(2004)	S. 552-553
Campbell, George Ashley	1870-1954	LdE + Proc. IEEE	80(1992)5	S. 782
Canning, Sir Samuel	1823-1908	LdE		
Canton, John	1718-1772	LdE		
Cardew, Philip	1851-1910	Starkstromtechniker. EH-ETD	1907	S. XXIII
Carpentier, Jules A. M. L.	1851-1921	LdE + RGE	10(1921)2	S. 43-44
		L'Industrie Electrique	30(1921)698	S. 264
Carrara, Gianguido	-1993	Hochspannungstechniker bei CESI Milano.		
Carrara, Nello	1900-1993	Mikrowellenphysiker. Proc. IEEE	84(1996)2	S. 326
Carré, Edmond	1833-1894	Bogenlampenerfinder. ETZ	15(1894)27	S. 370
Carson, John R.	1886-1940	LdE + Proc. IEEE	84(1996)6	S. 909-910
		G.W.		S. 200
Carter, Frederick W.	1870-1952	LdE		
Carty, John Joseph	1861-1932	LdE		
Caselli, Giovanni	1815-1891	LdE		
Catenacci, Giorgio	1927-1997	Hochspannungstechniker.		
		IEEE Pow.Eng.Rev.	March 1998	S. 21
Cauer, Wilhelm	1900-1945	LdE		

Name	Lebens- jahre	Quelle		
Cavendish, Henry	1731-1810	LdE		
Cerebotani, Luigi	1847-1928	LdE		
Chauvin, Franz Alphons D.	1812-1898	LdE + ADB	Band 47(1903)	S. 469
Chesney, Cummings C.	1863-1947	US-Energieübertragungstechniker. W.S.		S. 578
Chubb, Lewis Warrington	1882-	Westinghouse-Messtechniker. Proc. IEEE	86(1998)5	S. 1020-1021
		Who's who in engineering ... 1922-1923	5(1922)	
Church, William Lee		Westinghouse-Ingenieur. W.S.		S. 573
Clark, Sir Allen G.	1898-1962	LdE		
Clark, Edwin	1814-1894	LdE		
Clark, Josiah Latimer	1822-1898	LdE		
Clarke, Edith	1883-1959	LdE + Proc. IEEE	84(1996)1	S. 90
Clothier, Henry		engl. Starkstromingenieur.		
		(trat 1905 in Reyrolle Co., Newcastle, ein)		
Clouth, Franz Julius H.	1838-1910	LdE		
Coerper, Carl Th	1850-1903	LdE		
Collette, August Everhard R.	1857-	niederl. Nachrichtentechniker. Telefunken-Ztg.	4(1920)19	S. 3
		biogr. lexikon van bekende Nederlandsche Roomsche-Katholieke tijdgenooten. Leiden	1925	
Colombo, Guiseppe	1836-1921	LdE + EH-ETD	1898	S XXI
Compton, Arthur H.	1892-1962	LdE		
Concordia, Charles	1926-2003	Starkstromtechniker.		
		Newsletter Schenectady Section IEEE	31(2004)1	S. 4
Cooke, Sir William F.	1806-1879	LdE		
Coolidge, William D.	1873-1975	LdE + Proc. IEEE	83(1995)4	S. 828
Corsepius, Ernst Max	1865-1910	LdE		
Coulomb, Charles Aug.	1736-1806	LdE		
Crompton, Rookes E. B.	1845-1940	LdE + Proc. IEEE	88(2000)6	S. 868-870
Crookes, Sir William	1832-1919	LdE		
Curie, Pierre	1859-1906	LdE		
Czeija, Karl	1876-1916	LdE		
Czeija, Oskar	1887-1958	Schlögl, Reinhard: Oskar Czeija – Radio- und Fernsehponier, Unternehmer, Abenteurer. Böhlau Verlag	Wien/Köln/ Weimar 2005,	218 S.
D ahlander, Robert	1870-1935	LdE		
Dal Negro, Salvatore	1768-1839	LdE		
Daniell, John Frederic	1790-1845	LdE		
Danielson, Ernst	1866-1907	LdE		
Darrius, Georges	1888-1979	LdE + Bull. SEV	79(1988)19	S. 1213
Davenport, Thomas	1802-1851	LdE		
Davy, Sir Humphry	1778-1829	LdE		
De Forest, Lee	1873-1961	LdE + Proc. IEEE	85(1997)3	S. 476-477
Dehn, Hans		Blitzschutztechniker, Firmengründer ab 1910.		
		Süddeutsche Zeitung	171(28.07.2010)	S. 19

Name	Lebens- jahre	Quelle		
De la Rive, Auguste A.	1801-1873	LdE		
Dellinger, John Howard	1886-1962	LdE		
Denzel, Paul	1901-1976	Energietechniker. RWTH		S. 199
Denzler, Georg	1875-1960	Fernmeldekabeltechniker.		
		F&G-Rundschau	(1960)45	S. 285
Deprez, Marcel	1843-1918	LdE		
Déri, Max	1854-1938	LdE		
Dessauer, Friedrich	1881-1963	LdE + ETZ-A	84(1963)7	S. 242
		E u. M	80(1963)10	S. 247
Dettmar, Georg	1872-1950	LdE		
Dieckmann, Max	1882-1960	LdE		
Dießelhorst, Hermann	1870-1961	LdE		
Dietrich, J. Wilhelm von	1852-1930	LdE		
Dobke, Günther	1905-2003	LdE + El.wi.sch.	69(1970)21	S. 591
Dönitz, Johannes		Telefunken-Erfinder. GvA		S. 254
Döpke, Carl	1859-1937	LdE		
Döring, Herbert	1911-2001	Hochfrequenztechniker. RWTH		S. 198
Doetsch, Carl W. H.	1881-	Funktechniker. HELIOS	47(1941.II)44	S. 1378
Doetsch, Gustav H. A.	1892-1977	Mathematiker + Regelungstheoretiker. G.W.		S. 200
		Militär-geschichtliche Zeitschrift	59(2000)	S. 139-160
		Regelungstechnik	11(1963)3	S. 97
Doetsch, Karl Heinrich	1910-	Flugregelungstechniker. ETZ-B	25(1973)17	S. 20
Dolezalek, Friedrich	1873-1920	LdE		
Dolivo-Dobrowolsky, Michael von	1862-1919	LdE + E u. M	79(1962)7	S. 163
Donati, Luigi	1846-1932	LdE		
Dorn, Ernst F.	1848-1916	LdE		
Dreyfus, Ludwig	1885-1967	LdE		
Driescher, Fritz	1886-1951	LdE	72(1951)17	S. 535-536
Droste, Hans-Walter	1897-1972	Energietechniker (Kabel). RWTH		S. 200
Droste, Werner	1929-1995	AEG-Schiffs-Elektrotechniker. STG		S. 110
Du Bois-Reymond, Emil	1818-1896	LdE		
Ducretet, Eugène	1844-1915	Funktechniker. La Lumière Electrique	1915	
		www.bibliotheque.polytechnique.fr		
Duddell, William du Bois	1872-1917	LdE		
Dufay, Charles François	1698-1736	LdE + www.museecomunication.org		
Dulait, Julien	1855-1926	belgischer Starkstromtechniker.		
		Terlinden, A.-M.: Publication du Cercle d'Histoire de l'Électricité	2003	28 S.
du Moncel, Théodose	1821-1884	LdE		
DuMont, Allen B.	1901-1965	Oszillografen-Entwickler.		
		Proc. IEEE	85(1997)12	S. 2081-2082
Dumont, Eugène	1876-1941	Energiekabeltechniker. Bull. SEV	32(1941)24	S. 680-681
Duncan, Louis	1861-1916	LdE		

Name	Lebens- jahre	Quelle		
Dunlop, Daniel Nicol	1868-1935	Gründer der Weltkraftkonferenz. Bull. SEV	26(1935)16	S. 462-463
Dunsheath, Percy	1886-1979	Kabelingenieur und -hersteller. IEE News	Nov. 1979	S. 4
E astham, Melville	1885-1964	LdE		
Eckersley, Peter P.	1892-1963	LdE		
Eckersley, Thomas L.	1886-1959	LdE		
Edelmann, Hans	1918-1982	Energienetzberechner. etzArchiv	4(1982)9	S. 304
Edison, Thomas Alva	1847-1931	LdE		
Edwin, Kurt	1925-2003	Energietechniker. RWTH		S. 213
Egger, Béla Bernát	1831-1910	LdE		
Eichberg, Friedrich	1875-1941	LdE		
Eickemeyer, Rudolph	1831-1895	LdE		
Einstein, Jacob	1850-1912	Starkstromtechniker.		
		Münchener Stadtanzeiger vom 29.02.1996	Nr. 9	S. 11
		Hettler, N.: Die elektrotechnische Firma J. Einstein&Cie in München 1876 bis 1894	U Stuttgart 1996	Dissertation /2005A1076/
Einthoven, Willem	1860-1927	LdE		
Eisler, Paul	1907-1992	LdE		
Elliot, George	1815-1893	Telegraphenkabeltechniker. ETZ	15(1894)2	S. 28
Elster, Julius J. Ph. L.	1854-1920	LdE		
Emanuelli, Luigi	1883-1959	LdE		
Emde, Fritz	1873-1951	LdE + ETZ	72(1951)17	S. 511-512
Emmet, William Le Roy	1859-1941	Elektromaschinenbauer. Proc. IEEE	84(1996)7	S. 1053-1054
Epstein, Josef	1862-1930	LdE		
Ericsson, Lars Magnus	1846-1926	LdE		
Erlang, Krarup Agner	1878-1929	LdE		
Esau, Abraham	1884-1955	LdE + ETZ-A	76(1955)11	S. 447
		RWTH		S. 194
Espenschied, Lloyd	1889-1986	Nachrichtentechniker. Proc. IEEE	80(1992)10	S. 1656
		IEEE History Center	oral history	
		J. Acoust. Soc. Am.	81(1987)4	S. 1205
Eßberger, John Augustus	1856-1946	LdE		
Euler, Karl-Joachim	1922-1982	LdE		
Evershed, Sidney	1858-1939	Instrumentenbauer. EH-ETD	1907	S. XLIII
		Nature	144(1939)	S. 623-624
Ewing, Sir. J. Alfred	1855-1935	LdE		
F allou, Jean	1897-1939	LdE + R.G.E.	45(1939)7	S. 195-200
		El.wi.sch.	38(1939)6	S. 147-148
Falter, Matthias	1908-1985	LdE		
Faraday, Michael	1791-1867	LdE		
Fardely, William	1810-1869	LdE		
Faure, Camille A.	1840-1898	Elektrochemiker. EH-ETD	1898	S. XXXVII
Fein, Berthold		elektrische Werkzeuge. ETZ	46(1925)33	S. 1247
Fein, Emil	1870-1920	(im LdE: Vater Wilhelm Emil F.) E u. M	39(1921)9	S. 109

Name	Lebens- jahre	Quelle		
Fein, Wilhelm Emil	1842-1898	LdE		
Feldmann, Clarence	1867-1941	LdE		
Feldtkeller, Richard E. F.	1901-1981	LdE + RWTH		S. 45
Ferranti, Sebastian Ziani de	1864-1930	LdE + Ridding, A.: Science Museum	London	Booklet 1964
Ferraris, Galileo	1847-1897	LdE + Proc. IEEE	89(2001)5	S. 790-792
Ferrié, Gustave Aug.	1868-1932	LdE + Grd.Lar.	Tome quatrième	
Fessenden, Reginald A.	1866-1932	LdE + Proc. IEEE	84(1996)12	S. 1852-1853
Fettweis, Rudolf	1882-1956	LdE		
Field, Allan Bertram	1875-1962	LdE		
Field, Cyrus West	1819-1892	LdE		
Field, Stephen D.	1846-1913	LdE		
Finzi, Leo	1874-1936	LdE + RWTH		S. 184
Fischer, Franz	1877-1947	LdE		
Fischer, Franz-Joseph	1891-1967	LdE		
Fischer, Fritz	1898-1947	LdE		
Fischer, Kurt	1878-1948	LdE + RWTH		S. 186-187
Fischer, Wilhelm	1894-1945	Energietechniker (Elektrowärme). RWTH		S. 190
Fischer-Hinnen, Jakob	1869-1922	LdE		
Fischinger, Emil G.	1860-1931	LdE		
Fix, Herbert	1918-1982	Rundfunkpionier. Frequenz	37(1983)3	S. 79-80
Fleck, Botho	1903-1970	Schaltanlagentechniker. El.wi.sch.	62(1963)23	S. 898
		El.wi.sch.	69(1970)21	S. 591
Flegler, Eugen	1897-1981	LdE + RWTH		S. 192-193
Fleischer, Horst	1913-1978	Nachrichtentechniker, VDE-Generalsekretär		
		ETZ-A	99(1978)3	S. 174
		El.wi.sch.	77(1978)5	S. 189
Fleming, Sir Arthur P. M.	1881-1960	LdE		
Fleming, Sir John A.	1849-1945	LdE		
Fodor, István	1856-1929	LdE		
Föppl, August	1854-1924	LdE		
Foerster, Fritz J. S. K.	1866-1931	LdE		
Fontaine, Hippolyte	1833-1917	LdE		
Forbes, George	1849-1936	LdE		
Fortescue, Charles L. G.	1876-1936	LdE + Proc. IEEE	86(1998)5	S. 1020-1021
Foster, Ronald Martin	1896-1944	US-Zweipoltheoretiker bei Bell. G.W.		S. 40, 199
		American Men of Science. Science Press N.Y.	1938	
Foucault, Jean B. Léon	1819-1868	LdE		
Fourcroy, Graf Antoine F. de	1755-1809	LdE		
Fränz, Kurt	1912-2002	LdE + El.wi.sch.	63(1964)8	S. 276
		El.wi.sch.	75(1976)18	S. 566
		El.wi.sch.	86(1987)6	S. 243
Franke, Adolf L. C. G. H.	1865-1940	LdE + Siemens-Zschr.	20(1940)Nov/Dez.	S. 267-268
Franken, Herbert	1893-1982	LdE		

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Franklin, Benjamin	1706-1790	LdE		
Franklin, Charles S.	1879-1964	LdE		
Freiberger, Heinrich	1900-1990	Verbundnetz-Techniker. E u. M	107(1990)11	S. 581
		El.wi.sch.	89(1990)16	S. 1538
Frischen, Carl L.	1830-1890	LdE		
Frischmuth, Emmerich	1869-1942	Elektrische Bahnen. ETZ	63(1942)35/36	S. 427
Fröhlich, Cäcilie	1900-1992	LdE		
Frölich, Emil A. Oskar	1843-1909	LdE		
Froment, Paul-Gustave	1815-1865	Maschinen- und Instrumentenbauer.		
		www.patrimoine.polytechnique.fr		
		Bull. SEV	57(1966)4	S. 156
Fujioka, Ichisuke	1857-1918	LdE		
Fuller, Jim Billings	um 1878-	USA, Engl.: Chromsäure-Batterie „Fuller cell“		
		W.S.		S. 562
G aa, Carlos	1871-1925	LdE		
Gábor, Dénés	1900-1979	LdE		
Gänger, Berthold	1912-1997	LdE		
Galvani, Luigi	1737-1798	LdE		
Gaster, Leon	1872-1928	Beleuchtungstechniker. Bull. SEV	19(1928)4	S. 146
		The Illuminating Engineer, London	21(1928)1	
Gaulard, Lucien	1850-1888	LdE		
Gauß, Carl Friedrich	1777-1855	LdE		
Geißler, Heinrich	1814-1879	LdE		
Gelissen, Henri C. J. H.	1895-1982	niederl. Energietechniker. El.wi.sch.	54(1955)10	S. 334-335
		El.wi.sch.	64(1965)12	S. 344
Geitel, Hans	1855-1923	LdE		
Genest, Wilhelm L. W.	1850-1920	LdE		
Gerdien, Hans	1877-1951	LdE		
Gibbs, John Dixon	1834-1912	Starkstromtechniker (Sekundärgeneratoren).		
		The Electrical Review London	70(1912)1790	S. 430
		The Electrician	68(1912)23	S. 909
Gibbs, Josiah Willard	1839-1903	LdE		
Gilbert, William	1544-1603	LdE		
Giloi, Wolfgang	1929-2009	Informatiker. Berlin TU Intern Nr. 7-9	Juli 2009	S. 10
Giorgi, Giovanni	1871-1950	LdE + l'Ettrotecnica	38(1951)5	S. 214-218
Gladstone, John Hall	1827-1902	LdE		
Glass, Sir Richard A.	1820-1873	LdE		
Goebel, J. Heinrich Chr. C.	1818-1893	LdE		
Görges, Hans	1859-1946	LdE + Bull. SEV	39(1948)3	S. 92
		ETZ	70(1949)12	Titelseite
Görz, Hermann	1861-1930	LdE		
Goldenberg, Bernhard	1872-1917	LdE + Horstmann, Theo: Strom für Europa. RWE Essen 2003, 284 S.		S. 15
Goldschmidt, Robert	1902-	Nachrichtentechniker.		

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		Biograph. Handbuch deutschspr. Emigration nach 1933	Bd. 2(1983)	
Goldschmidt, Rudolf	1876-1950	LdE		
Goldstein, Eugen	1850-1930	LdE		
Gordon, James Edward H.	1852-1893	LdE		
Gossen, Paul	1872-1942	LdE + HELIOS	48(1942)40	S. 28
Grabe, Georg	1870-	S&H-Nachrichtentechniker. ZFWG	11(1930)4	S. 64
Grabner, Alfred	1890-1969	LdE		
Graetz, Leo	1856-1941	LdE + DBE	4(2006)	S. 88
Graetz, Max	1861-1936	Radio- und Fernsehfabrikant. ETZ	57(1936)39	S. 1126
Graftio, Genrich O.	1869-1949	LdE		
Gramme, Zénobe Théoph.	1826-1901	LdE + ETZ	22(1901)6	S. 118
Graner, Hans	1894-1962	Energietechniker (Netzregelung). ETZ-A	83(1962)8	S. 284
		El.wi.sch.	61(1962)9	S. 324
Grawinkel, Carl	1845-1894	LdE		
Gray, Elisha	1835-1901	LdE		
Gray, Stephen	1666-1736	LdE		
Green, George	1793-1841	engl. Naturphilosoph (Potentialtheorie). G.W.		S. 198
		ODNB	23(2004)	S. 503-505
Gregory, Bob L.	1938-1994	Mikroelektroniker.		
		IEEE The Institute (internet)	31.03.2007	obituaries
Greinacher, Heinrich	1880-1974	LdE		
Griessing, Otto	1897-1958	LdE		
Größer, Walter	1892-1987	Nachrichtentechniker. RWTH		S. 188, 196
de Groot, Cornelis J.	1883-1927	Rundfunktechniker. Telefunken-Zeitung	9(1928)48/49	S. 95
		Proc. IEEE	88(2000)11	S. 1810-1813
Gross, Bernhard	1905-2002	LdE		
Grotrian, Otto	1847-1921	Elektrophysiker. RWTH		S. 181
Grotthus, Theodor Freiherr	1785-1822	LdE		
Grove, Sir William R.	1811-1896	LdE		
Grundig, Max	1908-1989	LdE		
Güntherschulze, Günther E.	1878-1967	LdE		
Guericke, Otto von	1602-1686	LdE		
Guillaume, Carl Maria Th.	1861-1933	LdE		
Guillaume, Emil	1846-1913	LdE		
Guillaume, Franz Carl	1834-1887	LdE		
Guillaume, Theodor	1812-1879	LdE		
Gulstad, Kay Oscar A.	1853-1927	LdE		
Gumlich, Ernst	1859-1930	LdE		
Gundlach, Friedrich-Wilhelm	1912-1994	LdE		
Gurney, Sir Goldsworthy	1793-1875	LdE		
Gyr, Karl Heinrich	1879-1946	LdE		

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H ackethal, Louis	1836-1911	Kabelfabrikant.	ETZ	32(1911)16	S. 401
Hacking, Sir John	1888-1969	LdE			
Haefely, Emil	1866-1939	LdE			
Haeffner, Adolf	1862-1947	Schalterfabrikant.	ETZ	69(1948)7	S. 247
				63(1942)43/44	S. 526
Hall, Edwin Herbert	1855-1938	LdE			
Hallwachs, Wilhelm F. L.	1859-1922	LdE			
Halske, Johann Georg	1814-1890	LdE			
Hamburger, Erna	1911-1988	Elektronik-Professorin.	Bull. SEV	79(1988)15	S. 951
Hamilton, Sir William R.	1805-1865	irischer Mathematiker + Regelungstheoretiker.			
		G.W.			S. 201
Hammond, Robert	1850-1915	Beleuchtungstechniker.	EH-ETD	1907	S. LVI
		Dictionary of business biography		3(1985)	
Hansen, Fredrik V.	1862-1929	LdE			
Happoldt, Hans Hermann	1903-1984	LdE + El.wi.sch.		66(1967)18	S. 598
Hartley, Ralph V. L.	1888-1970	LdE + IEEE Spectrum		7(1970)8	S. 125
Hartmann, Werner	1912-1988	LdE			
Hartmann, Wilhelm Eugen	1853-1915	LdE			
Haselwander, Friedrich A.	1859-1932	LdE + ETZ		53(1932)31	S. 758
Hauksbee, Francis	1666-1713	LdE			
Hausser, Isolde	1889-1951	Mikrowellen-Physikerin.	DBE	4(2006)	S. 516
Hauy, René-Just	1743-1822	LdE			
Heaviside, Oliver	1850-1925	LdE			
Hefner-Alteneck, Friedrich v.	1845-1904	LdE + El.W.		31(1898)95	S. 174
Heidmann, Léon	1892-1967	Elektroantriebe.	Jeumont-Schneider Magazin	4(1967)	S. 64
Heiles, Franz	1892-1972	Elektromaschinenbauer.	ETZ-A	93(1972)12	S. 716
Heilmann, Jacob	1846-1927	Kraftwerksbauer.	ETZ	(1927)	S. 450
		Münchner Stadtanzeiger vom 24.11.1994		Nr. 47	S. 20
		Isar-Amperwerke-Festschrift			
Heilmann, Jean-Jacques	1853-1922	LdE + Catrina, W.: BBC – Glanz, Krise, Fusion. Orell-Füssli-Vlg. Zürich Wiesbaden		1991, 320 S.	S. 37
Heinke, Kurt (auch: Curt)	1864-1942	Energietechnik-Prof. TU München			
		Poggendorf: Biogr.-literar. Handwörterbuch		VI, Teil 2(1937)	
Helberger, Hugo	1867-1934	Elektrowärme-Ingenieur.	ETZ	55(1934)52	S. 1286
Hellmund, Rudolf E.	1879-1942	LdE			
Helmholtz, Hermann L.F. v.	1821-1894	LdE			
Hemmer, Johann Jakob	1733-1790	LdE			
Henley, William Thomas	1813-1882	LdE			
Henning, Hans	1912-1996	SSW-Automatisierungstechniker.	RWTH		S. 210
Henry, Joseph	1797-1878	LdE			
Hering, Carl	1860-1926	US-Stromkreisberechner (Pinch-Effekt).			
		DAB		8(1932)	S. 574-575
Héroult, Paul L. T.	1863-1914	LdE			

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Hertz, Heinrich Rudolf	1857-1894	LdE + Eckert, Michael:: Heinrich Hertz. Ellert & Richter Verlag Hamburg	2010	167 S.
Heß, Heinrich	1898-1981	Antriebstechniker. RWTH		S. 189
Hettler, Alfred		S&H-Schwachstromtechniker. ZFWG	4(1923)7	S. 78
Heubach, Julius	1870-1923	LdE		
Hewett, Peter Cooper	1861-1921	LdE + Electrical Review N.Y.	79(1921)10	S. 361
Hewlett, Edward M.	1866-1934	LdE		
Hewlett, William R.	1913-2001	LdE + Proc. IEEE	80(1992)4	S. 653-654
Heyland, Alexander H.	1869-1943	LdE		
Hillebrand, Franz	1884-1965	LdE		
Hipp, Matthäus	1813-1893	LdE		
Hirst, Hugo	1863-1943	LdE		
Hittorf, Johann Wilhelm	1824-1914	LdE		
Hjort, Sören	1801-1870	LdE		
Hobart, Henry Metcalf	1868-1946	LdE		
Hochenegg, Karl	1860-1942	LdE		
Hochrainer, August	1906-1972	LdE + E u. M RWTH	89 (1972)7	S. 309 S. 208-209
Höchstädter, Martin	1883-1973	LdE		
Hollerith, Herman	1860-1929	LdE		
Holm, Ragnar	1879-1970	LdE		
Holtz, Wilhelm	1836-1913	LdE		
Holzwarth, Herbert	1914-	Nachrichtentechniker der Siemens AG. Frequenz	38(1984)12	S. 317
Hopkinson, John	1849-1898	LdE + Proc. IEEE Proc. IEEE	86(1998)6 88(2000)9	S. 1808-1809 S. 1519-1521
Hoppe, Edmund	1854-1928	LdE		
Hosemann, Gerhard	1922-	Energietechniker. etzArchiv	9(1987)5	S. 177
Hospitalier, Edouard	1852-1907	LdE		
Hottinger, Karl	1911-1994	LdE		
Houston, Edwin James	1847-1914	LdE + J. of Fr. I.	177(1914.I)4	S. 451
Huber-Stockar, Emil	1865-1939	LdE		
Huber-Werdmüller, Peter E.	1836-1915	LdE		
Hülsmeier, Christian	1881-1957	LdE		
Hueter, Ernst	1896-1954	LdE + El.wi.sch.	53(1954)5	S. 136
Hughes, David Edward	1831-1900	LdE		
Hull, Albert W.	1880-1966	LdE + Proc. IEEE	81(1993)2	S. 310
Humburg, Karl Friedrich R.	1884-1978	LdE		
Hummel, Georg	1856-1902	LdE		
Hunter, Philip Vassar	1883-1956	LdE		
Hunziker, Emil	1869-1938	LdE		
Huth, Erich F.		Firmengründer für Funktelegraphie, Berlin.		

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I buka, Masaru	1908-1997	LdE		
Ieda, Masayuki	1925-1999	Isoliertechniker. http://eina.ws/no6/old.htm		(09.02.2007)
Ilgner, Karl	1862-1921	LdE + ETZ	42(1921)14	S. 355
Imhof, Alfred	1893-1987	LdE + Bull. SEV	78(1987)15	S. 937
Insull, Samuel	1859-1938	LdE		
J ablotschkow, Pawel N.	1847-1894	LdE + ETZ	15(1894)16	S. 226
		ETZ	48(1927)30	S. 1087
Jacobi, Moritz Hermann	1801-1874	LdE		
Jacottet, Paul-Henri	1903-1986	LdE		
Jäger, Kurt	1929-2004	LdE		
Janovsky, Wilhelm	1904-1971	Elektroakustiker. RWTH		S. 193
Jansen, Bernhard	1899-1958	LdE		
Jedlik, Ányos	1800-1895	LdE		
Jenkin, Fleeming	1833-1885	LdE		
Jenkins, Charles Francis	1867-1934	LdE		
Jewitt, Frank B.	1879-1949	Elektrophysiker, Bell-Labs-Forschungsdirektor. Proc. IEEE	86(1998)2	S. 463-465
Jordan, Friedrich	1850-1914	LdE		
Jordan, Hans	1875-	AEG-Forscher (Magnetwerkstoffe). ETZ-A	76(1955)12	S. 448
		AEÜ	9(1955)6	S. 291
Jordan, Heinz Robert	1906-1982	LdE		
Joule, James Prescott	1818-1889	LdE		
Jud, Peter Abraham	1893-1980	LdE		
Julien, Edmond	-1894	Energietechniker (Elektroauto). ETZ	15(1894)33	S. 455
Jungner, Valdemar	1869-1924	LdE		
K adrozka, Leo	1872-1922	Elektromaschinen-Prof. TH München. ETZ	43(1922)41	S. 1276-1277
Kalkner, Bernhard	1902-1970	Energietechniker (Netz-Kurzschluss). ETZ-B	22(1970)9	S. 223
		El.wi.sch.	69(1970)11	S. 314
Kalman, Rudolf E.	1930-	ungarischer US-Regelungstheoretiker. G.W.		
Kaller, Adolf	1889-1947	Isolierstofftechniker. ETZ	69(1948)7	S. 248
Kamerlingh Onnes, Heike	1853-1926	LdE		
Kandó, Kálmán	1869-1931	LdE + TH Budapest: Informationsbroschüre	1992	
Kapp, Gisbert John E.	1852-1922	LdE		
Kapsch, Johann	1845-1921	LdE		
Karapetoff, Vladimir	1876-1948	Cornell-University-Prof. Proc. IEEE	85(1997)10	S. 1662-1663
Karolus, August	1893-1972	LdE		
Kathrein, Anton	1888-1972	LdE		
Kawaguchi, Ichitaro	1854-1945	(aus Japan)		
Kegel, Kurt	1913-2003	Elektrowärmetechniker. RWTH		S. 209
Keil, Albert	1907-	Kontakt- und Schalterwerkstoffe.		
		vde-mittelbaden@t-online.de		
Keithley, Joseph F.	1915-1999	LdE		

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Kelly, John Forrest	1859-1922	Elektrochemiker, Starkstromtechniker.		
		W.S.		S. 578
Kelly, Mervin L.	1894-1971	Vakuumpöhrren-Techniker. Proc. IEEE	82(1994)11	S. 1766
Kelman, J. N.		erster Leistungsschalter 1901.		
		IEEE Computer Applications in Power	2000	S. 52
Kempe, Harry Robert	1852-1935	LdE		
Kemper, Hermann	1892-1977	LdE		
Kennelly, Arthur Edwin	1861-1939	LdE + ETZ	60(1939)33	S. 999
		R.G.E.	46(1939)4	S. 97
		l'Ettrotecnica	26(1939)14	S. 520
Kerr, John	1824-1907	LdE		
Kerr, Walter Craig	1858-1910	Westinghouse-Ingenieur. W.S.		S. 573
		DAB	10(1933)	S. 357-358
Kersten, Martin	1906-1999	LdE		
Kesselring, Fritz	1897-1977	LdE		
Kilby, Jack St. Clair	1923-2005	LdE		
Kind, Herbert	1889-1980	LdE		
Kindler, Heinz	1926-1990	Nachrichtentechniker. RWTH		S. 211
Kircher, Athanasius	1602-1680	LdE		
Kirchhoff, Gustav R.	1824-1887	LdE		
Kirpal, Alfred	1944-2010	Kommunikationstechniker, Medienhistoriker.		
		TU Ilmenau Internet	05.08.2010	
Kittler, Erasmus	1852-1929	LdE		
Kjellin, Frederik A.	1872-1910	LdE		
Kläy, Hans	1903-1988	Isolierstoff-Experte. Bull. SEV	79(1988)23	S. 1515
Klasson, Robert Eduardow.	1868-1926	LdE		
Klaudy, Peter	1903-1985	LdE		
Kleinow, Walter	1880-	Elektro-Lok-Konstrukteur. HELIOS	46(1940.I)26	S. 632
Kleinschmidt, Edward E.	1875-1977	LdE		
Kleist, Ewald Jürgen G. von	1700-1748	LdE		
Klewe, Hans Robert J.	1893-	elektromagnet. Beeinflussungen. El.wi.sch.	72(1973)9	S. 279
Klíma, Vilém	1905-1985	Elektromaschinenbauer. etzArchiv	3(1981)6	S. 199
		etzArchiv	8(1986)2	S. 71
Klingenberg, Georg	1870-1925	LdE		
Klöckner, Franz Philipp	1873-1925	LdE		
Kloss, Max	1873-1961	LdE		
Knight, Walter H.	1858-1946	GE-Chief-Engineer. The New York Times	17.07.1946	S. 23
Koch, Franz Joseph	1872-1941	LdE + El.wi.sch.	53(1954)19	S. 618
Koepchen, Arthur	1878-1954	LdE + Horstmann, Theo: Strom für Europa. RWE Essen 2003, 284 S.		S. 51
Koepsel, Adolf	1858-1933	LdE + Siemens-Ztschr.	13(1933)Sep./Okt.	S. 244
Körting, Max H.	1862-1948	LdE + HELIOS	48(1942)40	S. 28
Köttgen, Carl	1871-1952	LdE		

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Kohl, Max	1853-1908	LdE		
Kohlrausch, Friedrich W. G.	1840-1910	LdE		
Kohlrausch, Rudolf H. A.	1809-1858	LdE		
Kohlrausch, Wilhelm F.	1855-1936	LdE		
Kolben, Emil	1862-1943	LdE + E u. M	50(1932)45	S. 623
Kompfner, Rudolf	1909-1977	Wanderfeldröhre. Proc. IEEE	85(1997)2	S. 340-341
Koppelman, Floris	1903-1995	LdE		
Korda, Désiré	1864-1919	LdE		
Korn, Arthur	1870-1945	LdE		
Kosack, Emil	1875-1953	LdE		
Kovacs, Károly P.	1907-1989	LdE		
Kozisek, Jaroslaus	1885-1955	SSW-Elektromaschinenbauer. ETZ-A	76(1955)19	S. 717
Krämer, Christian	1871-1966	LdE+ ETZ	62(1941)21	S. 492
Krämer, Werner	1903-1973	LdE + ETZ-A	94(1973)5	S. 307
Kramer, August Ephraim	1817-1885	LdE		
Krarup, Carl Emil	1872-1909	LdE		
Kravogl, Johann	1823-1889	LdE		
Kremenezky, Johann	1850-1934	LdE		
Krizik, Franz	1847-1941	LdE		
Kröttlinger, Franz S.	1856-1907	LdE		
Krug, Karl Adolfowitsch	1873-1952	LdE		
Krukowski, Waldemar von	1887-1941	Zählerkonstrukteur bei SSW. Polski Index	F.267	426-432
Krzyszhanowskij, Gleb M.	1872-1959	LdE		
Kucera, Jaroslav	1893-1972	Elektromaschinenbauer. E u. M	89(1972)7	S. 309
Kübler, Wilhelm	1873-1919	LdE		
Küch, Richard	1860-1915	LdE		
Küchler, Rudolf	1893-	Transformatorenfachmann. El.wi.sch.	62(1963)18	S. 719
Küpfmüller, Karl	1897-1977	LdE + ETZ-A RWTH	99(1978)1	S. 60 S. 44-45
Kuhlmann, Karl	1877-1963	LdE		
Kuhlo, Ernst	1843-1923	Energietechniker (Fernwirktechnik). ETZ Kirchner, D.: Ein Pionier der Elektrotechnik in Stettin.	44(1923)4 Stettiner Heft 7	S. 205
Kummer, Oskar L.	1848-1912	LdE Müller, H.: 160 Jahre Oskar Kummer. TUDpress Dresden /2008 B 798/	2008	244 S.
Kummer, Paul Robert	1850-1894	(im LdE: älterer Bruder). AG-Teilhaber. ETZ	15(1894)16	S. 226
Kyser, Herbert	1881-1954	LdE		
La Cour, Jens L.	1876-1956	LdE		
Lahmeyer, Wilhelm	1859-1907	LdE + ETZ	29(1908)2	S. 36
Laible, Theodor	1905-1985	LdE		
Laithwaite, Eric R.	1921-1997	LdE		

Name	Lebens- jahre	Quelle			
Lamm, Uno	1904-1989	schwed. HGÜ-Ingenieur.	ETZ-A	(1955)17	S. 590
Lamme, Benjamin G.	1864-1924	LdE + ETZ		45(1924)38	S. 1013
		Proc. IEEE		83(1995)11	S. 1594
Lamme, Bertha	1869-1943	(Schwester von B. G. Lamme)	Z.f.E.	12(1894)III	S. 80
Langen, Eugen	1833-1895	LdE			
Langevin, Paul	1872-1946	LdE			
Langmuir, Irving	1881-1957	LdE + Proc. IEEE		83(1994)9	S. 1298
		IEEE Pow. Eng. Review		(2002)March	S. 38-39
Lapp, John S.	1878-1953	US pioneer in design and manufacture of highvoltage insulators.		Internet	
Laspière, Jean Tribot	1882-1963	Gründer von CIGRE.	ETZ-A	84(1963)15	S. 515
Latour, Marius	1875-	Chef-Ingenieur bei Merlin et Gérin.	Ind. él.	40(1931)930	S. 131-133
Lebedew, Pjotr Nikolajew.	1866-1912	LdE			
Leblanc, Maurice	1857-1923	LdE			
Lebrecht, Ludwig	1895-	Leistungselektroniker.	etzArchiv	7(1985)2	S. 67
Leclanché, Georges	1838-1882	LdE			
Lee, Sir Albert George	1879-1967	LdE			
Lee, William S.	1872-1934	LdE			
LeFanu, Henry	1871-1927	LdE			
Leithäuser, Gustav E.	1881-1969	LdE + ETZ-B		21(1969)22	S. 531
Le Maistre, Charles D.	1874-1953	LdE + l'Elettrotecnica		40(1953)8	S. 422
Le Monnier, Louis G.	1717-1799	LdE			
Lemp, Heinrich J. Hermann	1862-1954	LdE			
Lenard, Philipp E. A.	1862-1947	LdE			
Lennertz, Jean Josef	1906-1982	Nachrichtentechniker.	RWTH		S. 198
Lenz, Heinrich F. E. L.	1804-1865	LdE			
Leonard, Harry Ward	1861-1915	LdE + El. Rev. N.Y.		66(1915)9	S. 406
Leonhard, Adolf	1899-1995	LdE + etzArchiv		11(1989)12	S. 400
Leonhardt, C. G. Ferdinand	1801-1848	LdE			
Lepper, August	1873-1931	LdE			
Lepper, Wilhelm	1901-1984	LdE			
Lesch, Guntram	1899-1956	Hochspannungstechniker.	El.wi.sch.	55(1956)24	S. 921
Levy, Max	1869-1932	LdE			
Lichtenberg, Georg Christo.	1742-1799	LdE			
Lieben, Robert von	1878-1913	LdE + ETZ-A		77(1956)6	S. 192
Lindley, William Heerlein	1853-1917	LdE			
Liwschitz-Garik, Michael	1883-1959	LdE			
Ljungqvist, Seth	1880-1954	Chef der Radiotelegraphie Schwedens.			
		Svenskt Biografiskt Lexikon Stockholm		24(1982)	S. 62-63
		Telefunken-Ztg.		4(1921)22	S. 3-5
Llewellyn, Frederick Britton	1897-1971	Elektronenröhren.	Proc. IEEE	81(1993)11	S. 1650
Lodge, Sir Oliver J.	1851-1940	LdE			

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Loeb, Leonard Bernard	1891-1978	LdE		
Loewe, Sigmund	1885-1962	LdE		
Lombardi, Luigi	1867-1958	ET-Prof. in Rom. ETZ	(1931)33	S. 1073
		Bull. SEV	39(1948)15	S. 495
		l'Ettrotecnica	45(1958)2	S. 108
		l'Ettrotecnica	46(1959)5	S. 282-288
Lontin, Dieudonné François Joseph		frz. Lampen- und Maschinenbauer. W.S.		S. 564
		Higgs, P.: The Electric Light. Spon London	1879 (S. 120)	240 S.
		US-Patent „Dynamo-electric machines“	189,116	April 3, 1877
Lorentz, Hendrik Antoon	1853-1928	LdE		
Lorenz, Carl	1844-1889	LdE		
Lorenz, Ludvig Valentin	1829-1891	LdE		
Lueg, Heinz	1914-1984	Informationstechniker. RWTH		S. 206
Lüke, Hans-Dieter	1935-2005	Nachrichtentechniker. RWTH		S. 215
Lundell, Robert		US-Elektromaschinenbauer (Konstant-Spg.).		
		Electrical World an Engineer	33(1899)16	S. 518-521
Lydall, Francis	1882-1950	LdE		
M aecker, Heinz	1913-1999	Lichtbogenphysiker. Süddeutsche Zeitung	09.04.1999	
Maier, Julius	1839-1895	LdE		
Malderen, Joseph van		Mitarbeiter und Nachfolger von F. Nollet, Fa. Alliance (CNAM)		
		Higgs, P.: The Electric Light. Spon London	1879, 240 S.	S. 87
		Wolter, D. + Reuter, E.: Preis- und Handelskonzepte in der Stromwirtschaft. Dt. Univ.-Verlag Wiesbaden, 311 S.	2005	S. 24-25
Mangoldt, Walter von	1902-1964	SSW-Energiewirtschaftler. ETZ-B	16(1964)24	S. 724
		El.wi.sch.	63(1964)23	S. 865
Marconi, Guglielmo	1874-1937	LdE		
Marguerre, Fritz	1878-1964	LdE + ETZ-B	16(1964)23	S. 689
Marks, George Croydon	1858-1938	LdE		
Markt, Gustav	1881-1977	LdE		
Marum, Martinus van	1750-1837	LdE		
Marx, Erwin Otto	1893-1980	LdE		
Mathiesen, Wilhelm	1859-1936	LdE		
Matsushita, Konosuke	1894-1989	LdE		
Matthias, Adolf W.	1882-1961	LdE		
Maxim, Sir Hiram Stevens	1840-1916	LdE		
Maxwell, James Clerk	1831-1879	LdE		
Mayer, Emil	1885-	Nachrichtentechniker, Telefunken-Vorstand.		
		Telefunken-Zeitung	12(1931)59-Nov.	S. 6-7
Mayer, Hans Ferdinand	1895-1980	LdE		
Mayr, Otto	1902-1989	LdE		
Mechau, Emil	1882-1945	LdE		
Mechwart, Andreas von	1834-1907	LdE + Haus der Bayerischen Geschichte	datenmatrix.de	
Meek, John Millar	1912-2005	LdE		

Name	Lebens- jahre	Quelle		
Meinke, Hans Heinrich	1911-1980	LdE		
Meirowsky, Max	1866-1949	LdE + ETZ	71(1950)3	S. 76
Meißner, Alexander	1883-1958	LdE		
Meißner, Franz Adolf	1861-1937	LdE		
Meißner, Walther	1882-1974	LdE		
Meister, Franz Josef	1904-1986	Elektroakustiker. RWTH		S. 213
Mende, Otto H.	1885-1940	LdE		
Meng, Walter	1861-1946	LdE		
Mengarini, Guglielmo	1856-1927	Starkstromtechniker. l'Ettrotecnica	15(1928)5	S. 129-132
Mengele, Benno	1898-1971	LdE		
Mercier, Ernest	1878-1955	LdE		
Merz, Charles Hesterman	1874-1940	LdE		
Merz, Ludwig	1905-1992	Energietechniker. Süddt. Ztg. 06.09.2004	Nr. 206	S. 10
Mesmer, Franz Anton	1734-1815	LdE + Darnton, R.: Mesmerism and the end of the enlightenment in France. Harvard U Press Cambridge/Mass.	1968	218 S.
Métraux, August Francis	1905-1994	Hochspannungstechniker. Bull. SEV	85(1995)3	S. 52
Meucci, Antonio S. G.	1808-1889	Schiavo, G. E.: A. Meucci - Inventor of the telephone. Vigo Press New York	1958	288 S.
Meyer, Paul	1864-	Firmengründer (Firma von AEG übernommen). ETZ	45(1924)25	S. 668
Meyer, Ulfilas	1885-1950	LdE + RWTH		S. 195-196
Meyer-Delius, Heinrich	1881-1955	LdE + ETZ-B El.wi.sch.	7(1955)9 54(1955)16	S. 339 S. 544
Meysenburg, Helmut	1906-1992	LdE + El.wi.sch.	80(1981)2	S. 71
Mie, Gustav	1868-1957	LdE		
Miele, Carl	1869-1938	LdE		
Mierdel, Otto Richard Georg	1899-1987	LdE		
Mihály, Dénes von	1894-1953	LdE		
Miller, Oskar F. X. von	1855-1934	LdE		
Millikan, Robert A.	1868-1953	LdE		
Miyoshi, Shoichi	1853-1906	Isolationstechniker. IEEE El. Insul. Mag.	10(1994)6	S. 10-16
Moeller, Franz	1897-1970	LdE		
Moeller, Hein August	1882-1962	LdE		
Möller, Hans Georg	1882-1967	LdE		
Möllinger, Julius Adolf	1865-1951	Zählerkonstrukteur. ETZ	73(1952)9	S. 331
Mollerhoj, Johannes S.	1890-1976	LdE		
Montanus, Georg	1850-1934	LdE		
Montenegro, Adolfo	1829-1894	Telegraphentechniker. ETZ	15(1894)51	S. 701
Moore, D. McFarlan	1869-1936	LdE		
Mordey, William M.	1856-1938	LdE		
Morita, Akio	1921-1999	Erfinder des Walkman bei Sony. Süddeutsche Zeitung 04.10.1999	Nr. 229	S. 28

Name	Lebens- jahre	Quelle		
Morse, Samuel Finley	1791-1872	LdE		
Mossay, Paul Alphonse H.	1877-1961	englischer Elektromaschinenbauer.		
		Mitteilg. von Prof. Schwarz, Norwich	1995	
Müller, Adolph	1852-1928	LdE		
Müller, Erwin Wilhelm	1911-1977	LdE		
Müller, Harald	1895-1982	Elektrowärmetechniker. RWTH		S. 197
Müller, Willy	1903-1992	LdE		
Müller-Hillebrand, Dietrich	1902-1964	LdE		
Muirhead, Alexander	1848-1920	LdE		
Musschenbroek, Pieter van	1692-1761	Mit-Erfinder des Kondensators.		
		Dunlap, O. E.: Radio's 100 men of science. Harper & Brothers	1944	
Naglo, Emil Ottomar	1845-1908	LdE		
Natalis, Friedrich F.C.L.A.	1864-1935	LdE		
Nelson, George Horatio	1887-1962	LdE		
Nernst, Walther	1864-1941	LdE		
Nesper, Eugen H. J.	1879-1961	LdE + ETZ-A	80(1959)15	S. 527
Nestel, Werner	1904-1974	LdE + ETZ-B	21(1969)21	S. 508-509
		El.wi.sch.	63(1964)22	S. 795
		El.wi.sch.	73(1974)10	S. 272
Neugebauer, Hermann	1893-1960	LdE		
Neumann, Franz E.	1798-1895	LdE + G.W.		
Neumann, Georg	1898-1976	LdE		
Newall, Robert Sterling	1812-1889	LdE		
Niethammer, Friedrich	1874-1947	LdE + E u. M	65(1948)1/2	S. 31
Nipkow, Paul J. G.	1860-1940	LdE		
Nissl, Franz	1852-1942	LdE		
Nixdorf, Heinz	1925-1986	LdE + ETZ	107(1986)9	S. 413
Nobili, Leopoldo	1784-1835	LdE		
Nollet, Florise	1794-1853	belg. Elektrophysiker (Bogenlichtgenerator).		
		King, J. W.: The Early Arc Light and Generator, in: Bull. 228, US National Museum, Smithsonian Institution Washington DC	1962	S. 334-407
Nollet, Jean-Antoine	1700-1770	LdE		
Norinder, Harald	1888-1969	schwed. Gewitterforscher.		
		Jahrbuch der Bayer. Akademie der Wiss.	1970	S. 225-227
Northrup, Edwin Fitch	1866-1940	LdE		
Norton, Edward L.	1898-1983	Zweipoltheoretiker (Ersatz-Stromquelle).		
		IEEE Spectrum	1990, March	S. 42
Nottebohm, Friedrich	1808-1875	LdE		
Noyce, Robert N.	1927-1990	LdE		
Nürnberg, Werner	1909-1986	LdE		
Nyquist, Harry	1889-1976	LdE		
Obenaus, Fritz	1904-1980	LdE		

Name	Lebens- jahre	Quelle		
Oberdorfer, Günther	1899-1989	LdE		
Oeding, Dietrich	1928-	Energietechniker. etzArchiv	10(1988)10	S. 335
Oelschläger, Ernst	1862-1941	Starkstromtechniker. Siemens-Zeitschrift	21(1941)3	S. 132-133
Oerstedt, Hans Chr.	1777-1851	LdE		
Ohm, Georg Simon	1789-1854	LdE		
Oliven, Oskar	1870-1939	LdE		
Ollendorf, Franz H.	1900-1981	LdE		
Ondracek, Josef	1874-1949	Lichttechniker, Mathematiker. E u. M	67(1950)2	S. 63
Oppelt, Winfrid	1912-1999	LdE + ETZ	113(1992)11	S. 672
		VDE dialog	Nov./Dez. 1999	S. 16
		El.wi.sch.	65(1966)2	S. 72
Osnos, Mendel	1867-	Elektromaschinenbauer. Telefunken-Zeitung	10(1929)52	S. 77
Ossanna, Johann	1870-1952	LdE + ETZ-A	73(1952)24	S. 789
		Bull. SEV	44(1953)13	S. 581-582
Ostwald, Friedrich Wilhelm	1853-1932	LdE		
Owen, Sir William Leonard	1897-1971	LdE		
P acinotti, Antonio	1841-1912	LdE + ETZ-B	10(1958)10	S. 398
Packard, David	1912-1996	siehe: Hewlett, William (IEEE: electronic instruments)		
Pätzold, Johannes	1907-1980	LdE		
Page, Sir Archibald	1875-1949	LdE		
Page, Charles Grafton	1812-1868	US-Physiker, Induktionsexperimentator. Post, Robert C.: Physics, Patents, Politics – a biography of Ch. G. Page. Science History Publication N.Y. /1984 A 3033/	1976	227 S.
Panzerbieter, Hans	1906-	S&H-Zentrallaboratoriums-Leiter. El.wi.sch.	63(1964)22	S. 795-796
Panzerbieter, Theodor	-1940	SSW-Schaltanlagenbauer. ETZ	69(1940)35	S. 815
Papaleksi, Nikolai Dmitriew.	1880-1947	LdE		
Papst, Hermann	1902-1981	LdE		
Parsons, Charles A.	1854-1931	LdE		
Paschen, L. C. H. Friedrich	1865-1947	LdE + Ann. d. Physik, 6. Folge	1(1947)4/5	S. 137-138
Passavant, Hermann	1864-1940	LdE		
Paterson, Sir Clifford	1879-1948	Lichttechniker. Bull. SEV	40(1949)16	S. 517-518
Paul, Robert W.	1869-1943	Kinematograph. Bild und Ton	28(1975)11	S. 344-346
Pearce, Sir St. Leonard	1873-1947	LdE		
Pedersen, Aage	1921-1995	LdE		
Peek, Frank. W. jr.	1881-1933	LdE		
Peltier, Jean Charles A.	1785-1845	LdE		
Perry, John	1850-1920	LdE		
Petersen, Waldemar	1880-1946	LdE + Bull. SEV	37(1946)13	S. 363
		Bull. SEV	39(1948)21	S. 717
		ETZ	70(1949)16	S. 458(Bild)

Name	Lebens- jahre	Quelle		
Petrie, William	1821-1908	LdE		
Peukert, Wilhelm	1855-1932	LdE		
Pfannkuch, Wilhelm	1879-1934	Netzschutztechniker.	ETZ	55(1934)21 S. 526-527
Pfestorf, Gerhard K. M.	1900-1969	LdE		
Phelps, George M. jr.	1843-1895	LdE		
Philips, Anton Frederik	1874-1951	LdE		
Philips, Gerard L. F.	1858-1942	LdE		
Pichelmayer, Karl	1868-1914	LdE		
Pichler, Franz	1866-1919	LdE		
Pickard, Greenleaf Whittler	1877-1956	LdE		
Pierce, George W.	1872-1956	LdE		
Pierce, John Robinson	1910-	US-Bell-Nachrichtentechniker (Transistor)		
		Biographical encyclopedia of scientists	1994	
Piloty, Hans	1894-1969	LdE + RWTH		S. 45
Pintsch, Richard	1840-1919	Lichttechniker. Kornrumpf, Martin: Mehr Licht. Selbstverlag Gräfelfing/München	1985	47 S.
Pirani, Marcello	1880-1968	LdE + El.wi.sch.	54(1955)14	S. 470
Pirelli, Giovanni Battista	1848-1932	(im LdE: Sohn Piero P.).	ETZ	53(1932)48 S. 1165
Pirelli, Piero	1881-1956	LdE + Bull. SEV	23(1932)25	S. 675
Pirrung, Adolf	1878-1965	Energietechniker.	El.wi.sch.	49(1950)6 S. 195
		El.wi.sch.		50(1951)7 S. 212
		El.wi.sch.		57(1958)14 S. 448
		El.wi.sch.		64(1965)9 S. 229
Pixii, Antoine Hippolyte	1808-1835	LdE		
Planté, Gaston R.	1834-1889	LdE + Bull. Soc. Belge des Electriciens	49(1933)Jul/Aug	S. 442-443
		ETZ	(1934)19	S. 468
Pleijel, Henning	1873-1962	schwed. Professor (Pleijel-Spule)	(s. „Schürer“)	
Plücker, Julius	1801-1868	LdE		
Pöge, Hermann	1840-1894	LdE + ETZ	15(1894)52	S. 717
Pöge, Willy	1869-1914	(im LdE: Vater Hermann P.).	ETZ	35(1914)21 S. 604-605
Poggendorff, Johannes Chr.	1796-1877	LdE		
Pohl, Robert	1878-1956	LdE + ETZ-A	77(1956)17	S. 599
Pohl, Robert Wichard	1884-1976	LdE		
Pohlmann, Bruno	1884-1958	LdE		
Poincaré, Jules Henri	1854-1912	LdE		
Poliwanow, Konstantin M.	1904-1983	LdE		
Pollak, Karl (Charles) F.	1859-	LdE		
Pommer, Kurt	1904-1993	LdE		
Pope, Franklin Leonard	1840-1895	LdE		
Popow, Alexander Stepanow.	1859-1905	LdE		
Popper, Josef	1838-1921	LdE		
Poschenrieder, Werner	1924-	Nachrichtentechniker der Siemens AG.		
		Frequenz	39(1984)1	S. 19

Name	Lebens- jahre	Quelle		
Potier, Alfred	1840-1905	LdE		
Potter, William Bancroft	1863-1934	LdE		
Poulsen, Valdemar	1869-1942	LdE + ETZ	63(1942)35/36	S. 427
Poynting, John Henry	1852-1914	LdE + ETZ	35(1914)20	S.575
Preece, Sir William Henry	1834-1913	LdE + Electrician	(1913)	S. 517
		ODNB	45(2004)	S. 231-233
		J. of Fr. I.	176(1913.II)6	S. 727-728
Presser, E.? oder F.?	um 1925	Halbleiter-Physiker in Nürnberg.		
Priestley, Joseph	1733-1804	LdE		
Prinz, Hans	1907-1978	LdE		
Punga, E. A. Franklin	1879-1962	LdE		
Pungs, Leo W. J.	1883-1979	LdE + ETZ-B	25(1973)25	S. 488
Pupin, Michael I.	1858-1935	LdE + ETZ-B	9(1957)5	S. 206
R achel, Alfred	1887-1959	AEG-Kraftwerksbauer. NDB	21(2003)	S. 77
Raether, Heinz	1909-1986	Elektrophysiker (Elektronenlawine).		
		IEEE Trans. on Electr. Insulation	24(1989)2	S. 334
Ramsauer, Carl	1879-1955	AEG-Forschungsdirektor. ETZ-A	77(1956)3	S. 96
		El.wi.sch.	55(1956)1	S. 27
Rasch, Gustav	1863-1939	Energietechniker, Professor TH Aachen.		
		RWTH		S. 20-30, 183
Rathenau, Emil	1838-1915	LdE		
Rathenau, Walter	1867-1922	LdE		
Raupach, Friedrich	1913-1988	LdE		
Rawcliffe, Gordon Hindle	1910-1979	LdE + IEE-News	1979(Nov.)	S. 4
Raymund, Hellmuth	1901-1968	Antriebstechniker. RWTH		S. 199-200
Reichel, E. B. Walter	1867-1937	LdE		
Reis, J. Philipp	1834-1874	LdE		
Reisner, Heinrich	1881-1969	Wirtschaftstechniker. RWTH		S. 197
Reißer, Paul Dr. h.c.	1843-	erste Zentrale in Stuttgart 1882.		
		Leiner, W.: Anfang und Grundlagen der Elektrizitätsversorgung in Württemberg.	U Stuttgart 1977	Dissertation
Reisz, Eugen	1879-1957	LdE		
Remané, Hermann	1864-1932	LdE		
Rendahl, Ragnar R.	1878-1929	Nachrichtentechniker. Telefunken-Zeitung	11(1930)54	S. 73-74
Rhein, Eduard	1900-1993	LdE		
Reyrolle, Alphonse F.	1864-1919	Schaltanlagenbauer. El. Rev. L	84(1919)	S. 270
		Electrician	82(1919)	S. 268
Richter, Rudolf	1877-1957	LdE + ETZ-A	78(1957)24	S. 908-909
Righi, Augusto	1850-1920	LdE + Radio-Umschau	4(1927)35	S. 546-548
Rißmüller, Karl	1896-1942	SSW-Kraftwerkstechniker. Siemens-Zschr.	22(1942)3	S. 105
Ritchie, William	1790-1837	LdE		
Ritter, Johann Wilhelm	1776-1810	LdE		
Ritz, Hans	1902-1971	LdE		

Name	Lebens- jahre	Quelle		
Roderburg, Carl	1865-1940	LdE + HELIOS	46(1940.I)26	S. 632
Roebel, Ludwig	1878-1934	LdE		
Röntgen, Wilhelm Conrad	1845-1923	LdE		
Roggendorf, Alexander	1906-1982	Energiewirtschaftler. El.wi.sch.	81(1982)23	S. 825
Rogowski, Walter	1881-1947	LdE + ETZ	62(1941)20	S. 475-476
Rohde, Lothar	1906-1985	LdE		
Ronalds, Sir Francis	1788-1873	LdE		
Rosenberg, Emanuel	1872-1962	LdE + E u. M	79(1962)15/16	S. 409
Roth, Arnold	1890-1970	LdE + E u. M	87(1970)9	S. 464
Roth, Édouard	1878-1939	frz. Starkstromtechniker. R.G.E.	46(1939)5	S. 131-134
Rotth, August	1854-1929	LdE		
Round, Henry Joseph	1881-1966	LdE		
Rüdenberg, Reinhold	1883-1961	LdE + El.wi.sch.	61(1962)6	S. 183
Rühmkorff, Heinrich Daniel	1803-1877	LdE + Deutsche Mechaniker-Zeitung	1903, Nr. 2	S. 9-10
Ruhmer, Ernst	1878-1913	Elektrophysiker. Ztschr. f. Feinmechanik	1913	S. 92
Rukop, Hans	1883-1958	LdE + ETZ	64(1943)5/6	S. 88
		El.wi.sch.	57(1958)15	S. 472
Rummel, Theodor	1910-1992	LdE		
Runge, Iris Anna	1888-1966	LdE		
Runge, Wilhelm Tolmé	1895-1987	LdE + ETZ	107(1986)6/7	S. 313 (Bild)
Ruska, Ernst A. F.	1906-1988	LdE		
Ryan, Harris Joseph	1866-1934	LdE		
Ryan, Walter d'Arcy	1870-1934	Beleuchtungstechniker.		
		IEEE Pow. Engg. Review	Febr.1998	S. 24-25
Rysselberghe, François van	1846-1893	LdE + Feyerabend, E.: Die Entwicklung der Telegraphie auf Drahtleitungen. Deutsches Museum, Abhandlungen und Berichte	8(1937)5	S. 109-145
Sachs, Karl	1886-1980	LdE + E u. M	93(1976)5	S. 232
Sahulka, Johann	1857-1927	LdE		
Salvá y Campillo, Francisco	1751-1828	LdE		
Samuel, Arthur L.	1901-1990	Informatiker. Proc. IEEE	82(1994)10	S. 1766
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Santuari, Emilio	1887-1969	Energietechniker. l'Ettrotecnica	57(1970)	1S. 56
Sartori, Giuseppe	1862-1937	Energietechniker. l'Ettrotecnica	24(1937)13	S. 414-420
Sattler, Philipp K.	1923-2006	Elektromaschinenbauer. ETZ	114(1993)19	S. 1229
		RWTH		S. 207-208
Schäfer, Béla	1879-1947	LdE		
Schäfer, Otto	1909-2000	Regelungstechniker. RWTH		S. 201
Schäffler, Otto	1838-1928	LdE		
Schapira, Carl	1879-1957	Telefunken-Direktor. GvA		S. 181-183
Schelkunoff, Sergei A.	1897-1992	Nachrichtentechniker. Proc. IEEE	84(1996)9	S. 1344
Scherbius, Arthur	1878-1929	LdE		

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Schering, Harald E. M.	1880-1959	LdE + El.wi.sch.	58(1959)9	S. 351
Schiemann, Max	1866-1933	LdE		
Schiesser, Max	1880-1975	LdE		
Schilling von Canstatt, Paul	1786-1837	LdE		
Schindler, Friedrich W.	1856-1920	LdE		
Schloemilch, Wilhelm	1870-1939	LdE		
Schlumberger, Conrad	1878-1934	Messtechniker. http://slb.com	09.12.2006	
Schmid, Albert	um 1880-	Elektromaschinenbauer. Proc. IEEE	83(1995)11	S. 1594
Schmidt, Georg		Siemens-Telegraphen-Ing. ZFWG	8(1927)12	S. 192
Schmidt, G.-A. H. Hermann	1894-1968	LdE		
Schmidt, Karl	1885-1959	Lorenz-Direktor. Funkschau	23(1951)17	S. 328-329
Schmitz, Ludwig	1892-1978	LdE		
Schmitz, Tom	1885-1966	LdE		
Schmolz, Adolf	-1950	Elektrizitätswirtschaftler. El.wi.sch.	49(1950)6	S. 195
Schneider, Ferdinand	1866-1955	LdE		
Schönfeld, W. Heinz	1908-1957	LdE		
Schönfeld, Rolf	1934-2007	LdE		
Schonland, Basil F. J.	1896-1972	Blitzforscher. Who was who 1971-1980. A&Ch. Black, London	Bd. 7(1981)	S. 707
Schorch, Max	1852-1924	LdE		
Schottky, Walter Hans	1886-1976	LdE		
Schrader, Wilhelm-Gerhard	1855-1920	Reichspost-Techniker. Telefunken-Ztg.	4(1920)20	S. 3-4
Schrafl, Anton	1873-1945	Bahnelektrofizierer. Bull. SEV	36(1945)2	S. 53
Schrage, Hidde K.	1883-1952	LdE + ETZ-A	74(1953)10	S. 305
Schreiber, Friedrich	1925-2000	Informatiker (Datenverarbeitung). RWTH		S. 214
Schreiber, Wilhelm	1870-	Reichspost-Techniker. ZFWG	11(1930)4	S. 64
Schröter, Fritz	1886-1973	LdE + El.wi.sch.	59(1960)11	S. 374
Schuckert, Sigmund	1846-1895	LdE		
Schüller, Eduard	1904-1976	LdE		
Schürer, Eugen	1876-1944	LdE		
Schuh, Heinrich	1873-1955	LdE		
Schuler, Max	1882-1972	LdE		
Schultes, Theodor J. J.	1901-1981	LdE		
Schulthes, Carl	1867-1933	LdE		
Schumann, Winfried Otto	1888-1974	LdE		
Schuermann, J. J. Elink	1883-1932	BBC-Antriebstechniker. Bull. SEV	23(1932)19	S. 510
Schwaiger, Anton	1879-1954	LdE		
Schwarz, Benno	1897-1965	LdE		
Schwarz, Hermann	1908-1995	LdE		
Schweigger, Johann S. Chr.	1779-1857	LdE		

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Schwenkhagen, Hans Fritz	1900-1959	LdE + El.wi.sch.	58(1959)22	S. 794
Schwennicke, Carl	1840-1925	Siemens-Techniker. ZFWG	6(1925)8	S. 126
Scott, Charles F.	1864-1944	engl. Starkstromtechniker. Proc. IEEE	86(1998)1	S. 300-301
Scott, William Harding	1862-1938	LdE		
Seebeck, Thomas Johann	1770-1831	LdE		
Seibt, Georg	1874-1934	LdE		
Seidener, Josef	1860-1942	LdE		
Seiz, Walter	1885-1966	Elektromaschinenbauer. ETZ-B	19(1967)1	S. 23
		E u. M	80(1963)1	S. 22
Semenza, Guido	1868-1929	LdE		
Semenza, Marco	1886-1961	(im LdE: Onkel Guido S.). Bull. SEV	53(1963)9	S. 350
Sennheiser, Fritz	1912-2010	Kopfhörer-Erfinder. Süddt. Ztg. 20.05.2010	Nr. 114	S. 18
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Shallenberger, Oliver B.	1860-1898	LdE + EH-ETD	1897	S. XCVII
		El. W.	31(1898)5	S. 174
		El. W.	33(1899)13	S. 424
		W.S.		S. 573
Shannon, Claude E.	1916-2001	LdE		
Shaw, Frank	1841-1889	Telegraphentechniker.		
		Electrical Engineer L	8(1889)April	S. 192
Shockley, William B.	1910-1989	LdE		
Shoenberg, Sir Isaac	1880-1963	LdE		
Siemens, Werner von	1816-1892	LdE		
Siemens, Wilhelm von	1855-1919	LdE		
Siemens, Sir William	1823-1883	LdE		
Sihler, Immanuel	1897-1959	Elektrizitätswirtschaftler. El.wi.sch.	49(1950)5	S. 131-133
Simonyi, Károly	1916-2001	LdE		
Sinsteden, Wilhelm Josef	1803-1891	LdE		
Sirotnski, Leonid I.	1879-1971	LdE		
Skudelny, Hans-Christoph	1932-1994	Leistungselektroniker. ETEP	4(1994)5	S. 433
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Slaby, Adolf	1849-1913	LdE + STG		S. 467
Slamecka, Ernst	1920-2006	Hochspannungs-Schalterspezialist. e&i	123(2006)9	S. a42
Slawjanow, Nikolai Gawril.	1854-1897	LdE		
Sliskovic, Josef Anton	1902-1984	LdE		
Smith, Oberlin	1840-1926	LdE		
Smith, Willoughby	1828-1891	LdE		
Snell, Sir John Francis C.	1869-1938	LdE		
Soemmerring, Samuel Th.	1755-1830	LdE		
Solari, Luigi	1873-1957	italien. Normen-Pionier, Marconi-Mitarbeiter.		
Sonnenfeld, Hugo	1886-1951	LdE		
Southworth, George C.	1890-1972	LdE		
Speiser, Ambros Paul	1922-2003	LdE		

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Spenske, Eberhard	1905-1992	LdE		
Sperry, Elmer Ambrose	1860-1930	LdE		
Sporn, Philip	1896-1978	US-Energietechniker. www.ieee.org/portal/		10.02.2007
Sprague, Frank Julian	1857-1934	LdE + ETZ	55(1934)48	S. 1191
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Stanley, William	1858-1916	LdE		
Staveren, Jacob Cornelis van	1889-1979	LdE + ETZ-B	21(1969)22	S. 531
		El.wi.sch.	78(1979)6	S. 199
Stefan, Josef	1835-1893	LdE		
Steinheil, Carl August von	1801-1870	LdE		
Steinmetz, Charles P.	1865-1923	LdE + ETZ	44(1923)47/48	S. 1049-1050
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Sterzel, Kurt August	1876-1960	LdE		
Stiel, Wilhelm	1878-1936	LdE		
Stier, Friedrich	1899-1961	LdE		
Stillwell, Lewis B.	1863-1941	LdE		
Stöhrer, Emil	1813-1890	LdE		
Stoletov, Aleksandr G.	1839-1896	LdE		
Stone, John S.	1869-1943	LdE + Proc. IEEE	84(1996)10	S. 1573-1574
Stotz, Hugo	1869-1935	LdE + ETZ	56(1935)38	S. 1059
Strecker, Felix	1892-1951	LdE		
Strecker, Karl	1858-1934	LdE		
Strigel, Robert	1900-1970	LdE		
Strowger, Almon B.	1839-1902	LdE		
Sturgeon, William	1783-1850	LdE		
Sulzberger, Carl	1864-1935	Energietechniker. ETZ	56(1935.II)41	S. 1140
Sumec, Josef	1867-1934	Elektromaschinenbauer. R.G.E.	23(1928)7	S. 299-301
Swan, Sir Joseph Wilson	1828-1914	LdE		
Swinburne, James	1858-1958	LdE + The Engineer London	205(1958.I)5332	S. 505
Swinton, Alan A. C.	1863-1930	LdE		
Sydow, Reinhold von	1851-1943	Reichspost-Jurist, Funk-Politiker. ETZ	64(1943)5/6	S. 88
		ETZ	62(1941)	S. 25
Symmer, Robert	1707-1763	LdE		
Täuber, Karl Paul	1867-1948	LdE		
Tait, Peter G.	1831-1901	Physiker. ETZ	22(1901)30	S. 604
Tanaka, Hisashige	1799-1881	LdE		
Tank, Franz	1890-1981	Hochfrequenztechniker. Bull. SEV	51(1960)4	S. 165-167
Taylor, Albert Hoyt	1879-1961	LdE		
Tedeschi, Vittorio	1860-1925	Energietechniker. l'Ettrotecnica	12(1925)8	S. 212
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Tellegen, Bernard D. H.	1900-1990	Nachrichtentechniker. Proc. IEEE	91(2003)1	S. 238-239

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Tesla, Nicola	1856-1943	LdE + ETZ	64(1943)5/6	S. 88
Theile, Richard	1913-1974	Fernsehtechniker. AEÜ	28(1974)10	S. 444
Theiler, Richard	1841-1923	Zählerkonstrukteur. Bull. SEV	64(1973)12	S. 763
Theremin, Leo	1896-1993	russ. Elektromusiker. Radio-Umschau	4(1927)33	S. 524
Thévenin, Léon-Charles	1857-1927	Zweipoltheoretiker (Ersatz-Spannungsquelle). IEEE Spectrum	March 1990	S. 42
Thielen, Heinz	1913-2001	Hochfrequenztechniker. RWTH		S. 212
Thomälen, Adolf	1865-1940	LdE		
Thompson, Silvanus P.	1851-1916	LdE + Proc. IEEE	86(1998)11	S. 2388-2389
Thomson, Elihu	1853-1937	LdE + J. of Fr. I.	173(1912.I)6	S. 614-615
Thomson (Lord Kelvin), W.	1824-1907	LdE		
Thury, René	1860-1938	LdE + Bull. SEV	29(1938)10	S. 254-257
Tihanyi, Kálmán	1897-1947	LdE		
Tirrill, Allen A.	1873-1925	LdE		
Tittel, Josef	1895-1967	LdE + E u. M	85(1968)3	S. 144
Töfflinger, Karl	1894-1963	Bahn-Antriebstechniker. E u. M	80(1963)10	S. 247
Toepler, August J. I.	1836-1912	LdE		
Toepler, Maximilian A.	1870-1960	LdE		
Townsend, Sir John S. E.	1868-1957	LdE		
Trendelenburg, Ferdinand	1896-1973	LdE		
Trettin, Carl	1874-1947	LdE		
Tröger, Richard	1879-1966	LdE		
Trotter, Alexander Pelham	1857-1947	Lichttechnik-Pionier. IEE Proc. A EH-ETD	136(1989)Nov. 1907	S. 337-340 S. CXII
Trüb, Reinhold	1873-1932	(im LdE: K. P. Täuber). Bull. SEV	23(1932)19	S. 511-512
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Uda, Shintaro	1896-1976	Hochfrequenztechniker. Proc. IEEE	85(1997)5	S. 800-801
Uhlmann, Erich	1904-1988	LdE + ETZ	109(1988)24	S. 1144
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Ulrich, Marcel	1880-1939	belgischer Elektromaschinenbauer. Jeumont, Revue trimestrielle	33(1933)Jul.-Sep.	S. 57
Unger, Franz	1882-1975	LdE		
Uppenborn, Friedrich	1859-1907	LdE		
Van de Graaff, Robert J.	1901-1967	LdE		
van der Broeck, Heinz	1952-2009	Energietechniker (Umrichter). RWTH		S. 223
van't Hoff, J. H.	1853-1911	Elektrochemiker. El. K. u. B.	9(1911)8	S. 160
Varley, Cromwell Fleetw.	1828-1883	LdE		
Varley, Samuel Alfred	1832-1921	(im LdE: Bruder C. F. V.). El. Rev. L.	89(1921.II)	S. 221
Velandar, Edy	1894-1961	LdE		
Vidmar, Milan	1885-1962	LdE		

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Vierling, Oskar	1904-1986	Hochfrequenztechniker.	Frequenz	38(1984)1	S. 19
Vieweg, G. Richard	1896-1972	LdE			
Vieweg, Volkmar	1884-1940	PTR-Starkstrommesstechniker.	ETZ	62(1941)7	S. 168
Voege, Willi	1876-1957	Messtechniker.	ETZ-A	78(1957)24	S. 909
Vogel, Wilhelm	1895-1954	LdE			
Vogt, Hans	1890-1979	LdE			
Voigt, Heinrich	1857-1937	LdE			
Volta, Alessandro	1745-1827	LdE			
W acker, Alexander K. von	1846-1922	LdE			
Wagner, Johann Philipp	1799-1879	LdE			
Wagner, Karl Willi	1883-1953	LdE + El.wi.sch.		52(1953)19	S. 586-587
Walker, Charles Vincent	1812-1882	LdE			
Wallot, Julius	1876-1960	LdE			
Waltenhofen, Adalbert von	1828-1914	LdE			
Walter, Michael	1892-1974	LdE			
Wangerin, Albert P. W.	1909-1985	LdE + STG			S. 525-526
Wanser, Gerhard	1924-1989	LdE			
Warburg, Emil	1846-1931	Physiker, PTR-Präsident.	ETZ	(1931)33	S. 1073
Wasserrab, Theodor	1907-1992	BBC-Nachrichtentechniker.	RWTH		S. 208
Watson, Sir William	1715-1787	LdE			
Watson-Watt, Sir Robert A.	1892-1973	LdE			
Weber, Anton	1868-1941	LdE			
Weber, Wilhelm Eduard	1804-1891	LdE			
Weh, Herbert	1928-	Antriebstechniker + Professor.	etzArchiv	10(1988)3	S. 101
Wehnelt, Arthur R. B.	1871-1944	LdE			
Weichart, Friedrich Karl	1893-1979	LdE			
Weicker, W.		Hochspannungstechniker.			
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Weigel, Rudolf Georg	1899-1955	LdE			
Weil, Fritz	1911-1942	LdE			
Weinhold, Adolf Ferdinand	1841-1917	LdE			
Weissfloch, Albert	1910-1960	Mikrowellentechniker.	ETZ-A	81(1960)15	S. 545
Welker, Heinrich	1912-1981	LdE			
Welter, Eduard	1888-	Transformatorenkaskade.	ETZ-A	79(1958)24	S. 975
Wenström, Jonas	1855-1893	LdE			
Westinghouse, George	1846-1914	LdE + E u. M		32(1914)14	S. 289-290
Weston, Edward	1850-1936	LdE + ETZ		57(1936)37	S. 1072
		IEEE Pow. Eng. Rev.		21(2001)11	S. 33-34
Wheatstone, Sir Charles	1802-1875	LdE			
Wheeler, Harold A.	1903-1996	Elektroniker.	Proc. IEEE	85(1997)1	S. 200-201

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Whitehead, John Boswell	1872-1954	LdE		
Whitney, Willis Rodney	1868-1958	LdE		
Wideröe, Rolf	1902-1996	Teilchenbeschleuniger. RWTH		S. 29
Wiechowski, Witold	1907-1971	LdE + RWTH		S. 202
Wiedemann, Eugen	1901-1969	LdE		
Wiedemann, Gustav Heinr	1826-1899	LdE		
Wien, Max C. W.	1866-1938	LdE		
Wiener, Norbert	1894-1964	G.W.		
Wijn, Henricus P. J.	1922-2009	Werkstofftechniker. RWTH		S. 206
Wilcke, Johann Carl	1732-1796	LdE		
Wilde, Henry	1833-1919	LdE + The Electrical Review	84(1919)2158	S. 384
Wilke, Arthur	1853-1913	LdE		
Wimshurst, James	1832-1903	LdE		
Winkler, Johann Heinrich	1703-1770	LdE		
Winter, Gabriel	1869-1907	LdE		
Wirtz, Karl	1861-1928	LdE		
Wölfel, Paul	1869-1955	LdE		
Wolf, Leonhard	1898-1983	Energiewirtschaftler. ETZ-B	14(1962)18	S. 500
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Wollaston, Charles James	1820-1915	Telegraph engineer. The Electrical Review	77(1915)1985	S. 757
Wollaston, William Hyde	1766-1828	LdE		
Wüger, Hans	1901-1984	LdE		
Wüllner, Adolf	1835-1908	Elektrophysiker. RWTH		S. 179
Wünsch, Guido	1887-1955	LdE + HELIOS	48(1942)34/35	S. 94
Y agi, Hidetsugu	1886-1976	LdE + Proc. IEEE	81(1993)6	S. 934-935
Z amboni, Giuseppe	1776-1846	LdE		
Zeemann, Pieter	1865-1943	LdE		
Zenneck, Jonathan A.	1871-1959	LdE + ETZ-A	80(1959)13	S. 439-440
Zettler, Alois	1854-1942	LdE		
Zetsche, Karl Eduard	1830-1894	LdE		
Zhong, Zhaolin	1901-1990	LdE		
Ziegler, Walter	1912-1995	AEG-Nachrichtentechniker. RWTH		S. 211-212
Zipernowsky, Károly	1853-1942	LdE		
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Zuse, Konrad	1910-1995	LdE		
Zwicky, Rudolf	1923-1994	LdE		
Zwietusch, Otto	1866-1931	Telephon-Ingenieur. ZFWG	12(1931)9	S. 144
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AEÜ	Archiv der Elektrischen Übertragung (Zeitschrift); ab 1971: Archiv für Elektronik und Übertragungstechnik
Bull. SEV/VSE	Bulletin des Schweizer Elektrotechnischen Vereins, Zürich (Zeitschrift); vorhanden ab 19(1928)
DAB	Dictionary of American Biography. Scribner's New York
DBE	Deutsche Biographische Enzyklopädie
E u. M e&i	Elektrotechnik und Maschinenbau, Wien (Zeitschrift); ab 1989: Elektrotechnik und Informationstechnik
EH-ETD	The Electrician Handbook - Electrical Trades' Directory, London
El. Bahn.	Elektrische Bahnen (Zeitschrift)
Electr. Eng. L	Electrical Engineering, London (Zeitschrift)
El. K. u. B.	Elektrische Kraftmaschinen und Bahnen (Zeitschrift)
El. Rev. L.	Electrical Review, London (Zeitschrift)
El.wi.sch.	Elektrizitätswirtschaft, Frankfurt (Zeitschrift)
El.W.	Electrical World, New York (Zeitschrift)
ETEP	European Transactions on Electric Power, Berlin (Zeitschrift)
ETZ	Elektrotechnische Zeitschrift, Berlin
F&G-Rundsch.	Felten&Guillaume Rundschau, Köln (Zeitschrift)
FTZ	Fernmeldetechnische Zeitschrift; ab 1955: NTZ
G.W.	Wunsch, Gerhard: Geschichte der Systemtheorie; R. Oldenbourg, München 1985, 205 S. /Gesch. 416.102/
Grd. Lar.	Grand Larousse Encyclopédique en dix volumes, Paris 1961
Grüttner	Grüttner, Michael: Biographisches Lexikon zur nationalsozialistischen Wissenschaftspolitik. Synchron Publishers Heidelberg 2004, 215 S.
GvA	Fuchs, Margot: Georg von Arco (1869–1940) – Ingenieur, Pazifist, Technischer Direktor von Telefunken. GNT-Verlag Berlin 2004, 349 S.
IEE	Institution of Electrical Engineers, London
IEEE	Institute of Electrical and Electronics Engineers, New York
Ind. él.	Industrie électrique, Paris (Zeitschrift)
J. of Fr. I.	Journal of the Franklin Institute, Philadelphia, Pa.
Lar.	Larousse du XX ^e Siècle, Paris 1958
LdE	Kurt Jäger und Friedrich Heilbronner: Lexikon der Elektrotechniker; VDE Verlag; Berlin, Offenbach; 2., überarbeitete und ergänzte Auflage 2010, 524 S., ISBN 3-8007-2120-1
NTZ	Nachrichtentechnische Zeitschrift
ODNB	Oxford Dictionary of National Biography
R.G.E.	Revue Générale d'Electricité, Paris (Zeitschrift)
RWTH	Gilson, N. + Kaiser, W.: Elektrizität – Energie – Information. Die Geschichte der Fakultät für Elektrotechnik und Informationstechnik an der RWTH Aachen. GNT-Verlag Diepholz 2010, 245 S.
STG	Lehmann, E.: 100 Jahre schiffbautechnische Gesellschaft – 2. Biografien zur Schiffbaugeschichte. Springer Berlin 1999, 573 S. /1999B204/
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W.S.	Stanley, William: Alternating-current development in America, in: The Journal of the Franklin Institute, Philadelphia 173(1912)6, S. 561-580 /ZA 1599/
ZFWG	Zeitschrift für Fernmeldetechnik, Werk- und Gerätebau

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Compiled in January 2006 by Frederik Nebeker, IEEE History Center, Rutgers U, Newark, New Jersey

Names in italics appear in the forgoing list.

Aepinus, Franz Maria Ulrich Theodor Hoch (13 December 1724, Rostock, Mecklenberg-Schwerin (today Germany) - 10 August 1802, Dorpat, Russia)

[scholar whose *Tentamen theoriae electricitatis et magnetismi* (1759, "An Attempt at a Theory of Electricity and Magnetism") was the first to apply mathematics to the theory of electricity and magnetism]

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Arnold, Harold DeForest (3 September 1883, Woodstock, CT - 10 July 1933, Summit, NJ)

[telephone and radio engineer and developer of high-vacuum electron tubes]

[employee of Western Electric Company (1911-); director of research at Bell Labs]

- Brittain, James E. "Scanning the past: Harold D. Arnold: a pioneer in vacuum-tube electronics." *Proceedings of the IEEE*, vol. 86 (1998), pp. 1895-1896.
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Atanasoff, John Vincent (4 October 1903, Hamilton, NY - 15 June 1995, Frederick, MD)

[inventor, with Clifford Berry, of an electronic computer]

- Atanasoff, John. "Advent of electronic digital computing." *Annals of the History of Computing*, vol. 6 (1984), no. 3, pp. 229-282. An adaptation of this article, prepared by Atanasoff, appeared in J.A. N. Lee, *Computer Pioneers* (Los Alamitos, CA: IEEE Computer Society Press, 1995), pp. 28-45).
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- Ritchie, David. *The Computer Pioneers: The Making of the Modern Computer*. New York: Simon and Schuster, 1986. 238 pp. [Rutgers]
- Slater, Robert. *Portraits in Silicon*. Cambridge, MA: MIT Press, 1987.

Austin, Louis Winslow (30 October 1867, Orwell, VT - 27 June 1932, Washington, DC)

[radio engineer who helped devise the Austin-Cohen formula for predicting signal strength at different geographic locations]

[head of the U.S. Naval Research Laboratory; employee of the U.S. Bureau of Standards]

[IRE President 1914; winner of the 1927 IRE Medal of Honor]

- Brittain, James E. "Scanning our past: Electrical engineering hall of fame: Louis W. Austin." *Proceedings of the IEEE*, vol. 93 (2005), pp. 2188-2191.
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- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
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Baker, Walter Ransom Gail (1892 - 30 October 1960)

[radio engineer] [Eta Kappa Nu Eminent Member 1954; president of the IRE; winner of the 1952 IRE Medal of Honor]

- Brittain, James E. "Scanning the past: Walter R. G. Baker and the advent of commercial television in 1941." *Proceedings of the IEEE*, vol. 79 (1991), pp. 1085-1086.
- CH
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Békésy, Gyorgy (or **Georg von**) (3 June 1899, Budapest - 13 June 1972, Honolulu, HI)

[telephone engineer, physicist, physiologist, and designer of scientific instruments]

[winner of the 1961 Nobel Prize for Physiology or Medicine for his discovery of the means by which sound is analyzed and communicated in the cochlea]

- EB 2002
- Kovacs, Gergely. "A Bekesy kiállítás története." *Postai és Távközlési Múzeumi Alapítvány. Évkönyve* (1995), pp. 77-106. Report on the exhibition of the life of Gyorgy Bekesy, 1899-1972, held at the Radio and Television Museum, Diosd Radio Station, Budapest, in 1995.

Berkner, Lloyd Viel (1 February 1905, Milwaukee, WI - 4 June 1967, Washington, DC)

[radio engineer who studied the ionosphere, radio propagation, and electronic-navigation systems; government adviser; and advocate of solving social problems by means of technology] [Eta Kappa Nu Eminent Member 1962]

- DSB Suppl. II
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- Needell, Allan A. *Science, Cold War and the American State: Lloyd V. Berkner and the Balance of Professional Ideals*. Amsterdam: Hardwood Academic Publishers, 2000. xi + 404 pp. [IHC]

Black, Harold Stephen (14 April 1898, Leominster, MA - 11 December 1983, Summit, NJ)

[electrical engineer who applied negative feedback to amplifier design]

- Black, Harold. "Inventing the negative feedback amplifier." *Spectrum*, vol. 14, no. 12 (December 1977), pp. 54-60. [xerox]
- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
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- Mindell, David A. "Opening Black's box: rethinking feedback's myth of origin," *Technology and Culture*, vol. 41 (2000), pp. 405-434.

Bode, Henrik Wade (24 December 1905 - 21 June 1982)

[contributor to the study of electronic circuits] [winner of the 1969 Edison Medal]

- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
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- Van Valkenberg, Mac E. "In memoriam: Henrik W. Bode (1905-1982)." *IEEE Transactions on Automatic Control*, vol. AC-29 (1984), no. 3, pp. 193-194.

Bose, Jagadish Chandra (Sir) (30 November 1858, Mymensingh, Bengal, India (today Bangladesh) - 23 November 1937, Giridih, Bihar, India)

[physiologist and physicist who contributed to the development of wireless telegraphy]

- Bondyopadhyay, Probir K. "Under the glare of a thousand suns—the pioneering works of Sir J. C. Bose." *Proceedings of the IEEE*, vol. 86 (1998), pp. 218-224.
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- DSB Suppl. I

- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
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- Emerson, Darrel T. "The work of Jagadish Chandra Bose: 100 years of millimeter wave research." *IEEE Transactions on Microwave Theory and Techniques*, vol. 45, December 1997, pp. 2267-2273.
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Bown, Ralph (22 February 1891, Fairport, NY -)

[physicist, electrical engineer, specialist in radiotelephony, and contributor to the development of the transistor]
[director of Bell Telephone Labs; IRE president in 1927] [IRE Medal of Honor, 1949 "For his extensive contributions to the field of radio and for his leadership in Institute affairs"]

- Brittain, James E. "Scanning the past: Ralph Bown and the golden age of propagation research," *Proceedings of the IEEE*, vol. 85 (1997), pp. 1511-1513.
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.

Brainerd, John Grist (7 August 1904 - 1 February 1988)

[electrical engineering professor, head of the ENIAC project, and participant in the EDVAC project]

- Brittain, James, E. "Scanning the past: John G. Brainerd and project PX (ENIAC)." *Proceedings of the IEEE*, vol. 84 (1996), p. 502.
- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
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- Wilkes, Maurice V. "J.G. Brainerd on the ENIAC." *Annals of the History of Computing*, vol. 4 (1982), pp. 53-55.

Busignies, Henri-Gaston (29 December 1905, Sceaux, France - 20 June 1981, Antibes, France)

[developer of high-frequency direction-finding and techniques of aerial navigation] [winner of the 1977 Edison Medal]

- CH
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- Williams, Kathleen Broome. *Secret Weapon: U.S. High-Frequency Direction Finding in the Battle of the Atlantic*. Annapolis, MD: Naval Institute Press, 1996. (Chapter 5 (pp. 100-142) is entitled "The inventor: Henri Busignies".)

Cady, Walter Guyton (10 December 1874, Providence, RI - 9 December 1974)

[physicist and inventor concerned especially with piezoelectricity]

[employee of the U.S. Coast and Geodetic Survey (1900-1902); faculty member at Wesleyan University, Middletown, CT (1902-1946)] [IRE President 1932; recipient of the IRE Morris N. Liebmann Award in 1928]

- Brittain, James E. "Scanning the past: Walter G. Cady and piezoelectric resonators." *Proceedings of the IEEE*, vol. 80, no. 11 (November 1992).
- Day

Camras, Marvin (1 January 1916 - 23 June 1995)

[developer of magnetic audio and video tape recording] [researcher and teacher at the Illinois Institute of Technology]

[recipient of the National Medal of Technology in 1990]

- Camras, Marvin. Interview in Kenneth A. Brown, *Inventors at Work: Interviews with 16 Notable American Inventors* (Redmond, WA: Tempus Books, 1988), pp. 69-89.
- Dolby, Ray. "Sound recording—will there be progress forever?" *Proceedings of the IEEE*, vol. 86 (1998), pp. 2469-2472.
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- Weiss, Eric A. "Marvin Camras." *IEEE Annals of the History of Computing*, vol. 18 (1996), no. 3, p. 61. [IHC]

Carlson, Chester Floyd (8 February 1906, Seattle, WA - 19 September 1968, New York City)

[inventor of xerography] [employee of Bell Labs (1930-)]

- Day
- Dinsdale, A. "Chester F. Carlson, inventor of xerography - a biography." *Photographic Science and Engineering*, vol. 7 (1963), pp. 1-4.
- EB 2000
- Owen, David. "Making copies." *Smithsonian*, August 2004.

Carrier, Willis Haviland (26 November 1876, Angola, NY - 7 October 1950, New York City)

[air-conditioning inventor and founder of a series of firms that bore his name]

- Cooper, Gail. *Air-conditioning America: Engineers and the Controlled Environment, 1900-1960*. Baltimore: Johns Hopkins University Press, 1998. pp. 23-28.
- EB 2000

- Ingels, Margaret. *Willis Haviland Carrier, Father of Air Conditioning*. Garden City, New York: Country Life Press, 1952.

Cauer, Wilhelm (24 June 1900 - April 1945)

[pioneer of the theory of filter design]

- Cauer, Emil. "Familie, Bildung, Wissenschaft. Wilhelm Cauer 1900-1945." In W. Mathis and P. Noll, eds., *Second ITG-Discussionssitzung*, 21-22 April 1995 (Berlin, 1995), pp. 247-259.
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- Petzold, Hartmut. "Wilhelm Cauer and his mathematical device." In Bernard Finn, ed., *Exposing Electronics* (Amsterdam: Harwood Academic Publishers, 2000), pp. 45-73. [IHC]

Claude, Georges (24 September 1870, Paris - 23 May 1960, Saint-Cloud, France)

[engineer and chemist who invented the neon light]

- DSB
- EB 2000

Conrad, Frank (4 May 1874, Pittsburgh - 11 December 1941, Miami, FL)

[radio engineer and pioneer of radio broadcasting] [employee of Westinghouse] [winner of the 1930 Edison Medal]

- Brittain, James E. "Scanning the past: Frank Conrad and Station KDKA." *Proceedings of the IEEE*, vol. 80 (1992), p. 2009.
- CH
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- Little, Donald G. "Dr. Conrad founds KDKA." *American Heritage*, August 1955, pp. 71-73.

Cottrell, Frederick Gardner (10 January 1877, Oakland, CA - 16 November 1948, Berkeley, CA)

[inventor of the electrostatic precipitator]

- Cameron, F. *Cottrell: Samaritan of Science*. New York: Doubleday, 1952. 414 pp.
- DSB
- EB 2000

Cray, Seymour R. (28 September 1925, Chippewa Falls, WI - 5 October 1996, Colorado Springs, CO)

[computer designer and entrepreneur responsible for the CDC 6600 and a series of supercomputers]

- Ceruzzi, Paul. "'The mind's eye' and the computers of Seymour Cray." In Bernard Finn, ed., *Exposing Electronics* (Amsterdam: Harwood Academic Publishers, 2000), pp. 151-160. [IHC]
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- Markoff, John. "Seymour Cray, computer industry pioneer and father of the supercomputer, dies at 71." *New York Times*, 6 October 1996.
- Miller, A. Ray. "Seymour Cray, the father of supercomputing and true national treasure, has died." *Computer*, vol. 29 (1196), no. 11, p. 89. [IHC]
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- Murray, Charles J. *The Supermen: The Story of Seymour Cray and the Technical Wizards Behind the Supercomputer*. New York: John Wiley & Sons, 1997.
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- Slater, Robert. *Portraits in Silicon*. Cambridge, MA: MIT Press, 1987.
- Weiss, Eric A. Obituary. *IEEE Annals of the History of Computing*, vol. 19 (1997), no. 1, p. 73.

DuMont, Allen Balcom (29 January 1901, Brooklyn, New York - 15 November 1965, New York City)

[engineer who developed a commercially successful cathode-ray oscilloscope]

[employee of the De Forest Radio Company (1928-1931); founder in 1931 of the company that became Allen B. DuMont Laboratories]

- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
- EB 2000
- Keller, Peter A. *The Cathode-Ray Tube: Technology, History and Applications*. New York: Palisades Press, 1991. xv + 314 pp. [IHC]
- Lurie, Maxine, and Marc Mappen, eds. *Encyclopedia of New Jersey*. New Brunswick, NJ: Rutgers University Press, 2004.

Eccles, William Henry (23 August 1875, Barrow-in-Furness, Lancashire, England - 29 (or 27) April 1966, Oxford)

[physicist, investigator of radio propagation, and circuit designer]

- Day
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.

- EB 2000

Eckert, J(ohn) (Adam) Presper, Jr. (Pres) (9 April 1919, Philadelphia - 3 June 1995, Bryn Mawr, PA)
[pioneer of electronic computing and designer, with John Mauchly, of the ENIAC, EDVAC, and UNIVAC I computers]

- Cortada
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- Eckstein, Peter. "J. Presper Eckert." *IEEE Annals of the History of Computing*, vol. 18 (1996), no. 1, pp. 25-44.
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- Slater, Robert. *Portraits in Silicon*. Cambridge, MA: MIT Press, 1987.
- Wilkes, Maurice V. "A tribute to Presper Eckert." *Communications of the ACM*, vol. 9, no. 9, September 1995, pp. 20-22.

Edgerton, Harold Eugene (6 April 1903, Fremont, NE - 4 January 1990, Cambridge, MA)

[electrical engineer, photographer, and developer of flash systems for high-speed photography]

[professor at MIT] [Eta Kappa Nu Eminent Member 1968]

- Brown, David E. *Inventing Modern America: From the Microwave to the Mouse*. Cambridge, MA: MIT Press, 2002. [IHC]
- Bruce, Roger A., ed. *Seeing the Unseen: Dr. Harold E. Edgerton and the Wonders of the Strobe Alley*. Cambridge, MA: MIT Press, 1995. xvi + 89 pp.
- EB 2000
- Edgerton, Harold. *Stopping Time*. New York: H.R. Abrams, 1987.
- *Exploring the Art and Science of Stopping Time: A CD-ROM Based on the Life and Work of Harold E. Edgerton*. Cambridge, MA: MIT Press, 1999.
- Guizzo, Eric. "Doctor Flash." *Technology Review*, December 2003/January 2004, pp. 6-7.
- Jussim, Estelle. *Stopping Time: The Photographs of Harold Edgerton*. New York: Harry N. Abrams, 1987.
- *National Academy of Engineering Memorial Tributes*, vol. 4, pp. 63- .

Emmet, William LeRoy (10 July 1859, Pelham, NY - 26 September 1941, Schenectady, NY)

[designer of electrical generators and motors] [AIEE Honorary Member 1933, winner of the 1919 Edison Medal]

- Brittain, James E. "Scanning the past: William Le Roy Emmet and turboelectric engineering." *Proceedings of the IEEE*, vol. 84 (1996), pp. 1053-1054.
- CH
- Emmet, William LeRoy. *The Autobiography of an Engineer*. Albany, NY: Fort Orange Press, 1931. (2nd edition. New York: American Society of Mechanical Engineers, 1940. 233 pp.)
- *Fiftieth Anniversary AIEE 1884-1934*, May 1934 special issue of *Electrical Engineering* (vol. 53, no. 5).
- "William LeRoy Emmet 1859-1941." In Gorowitz, Bernard, ed., *A Century of Progress: The General Electric Story 1876 - 1978* (Schenectady, NY: Hall of History Foundation, 1981), p. II.33. [IHC]

Espenschied, Lloyd (27 April 1889, St. Louis, MO - June 1986)

[radio engineer, developer of radiotelephony, and inventor (with H.A. Affel) of a wide-band coaxial transmission system]

[employee of AT&T] [winner of the 1940 IRE Medal of Honor]

- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
- CH
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
- The Espenschied Papers are at the National Museum of American History.
- The IEEE History Center has an oral history of Lloyd Espenschied on its website (includes abstract and table of contents).

Essen, Louis (6 September 1908, Nottingham, Nottinghamshire, England - 24 August 1997, Great Bookham, Surrey, England) [inventor of the quartz clock (the Essen quartz ring clock) and developer of the cesium atomic clock]

- Day
- EB 2000
- McG

Farnsworth, Philo Taylor (19 August 1906, Beaver, UT - 11 March 1971, Salt Lake City, UT)

[inventor and developer of cathode-ray tubes for television]

- Abramson, Albert. "Pioneers of television: Philo Taylor Farnsworth." *SMPTE Journal*, November 1992, pp. 770-784.
- Brown, David E. *Inventing Modern America: From the Microwave to the Mouse*. Cambridge, MA: MIT Press, 2002. [IHC]
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
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- Everson, George. *The Story of Television: The Life of Philo T. Farnsworth*. New York: Norton, 1949. 226 pp. Reprinted by Arno Press (New York).

- Farnsworth, Elma G. *Distant Vision: Romance and Discovery on an Invisible Frontier*. Salt Lake City, Utah: Pemberly Kent, 1990.
- Farnsworth, Philo T. and Harry R. Lubcke. "The transmission of television images." *California Engineer*, vol. 8, February 1930, pp. 12-33.
- Gladwell, Malcolm. "The televisionary." *New Yorker*, 27 May 2002.
- Godfrey, Donald G. *Philo T. Farnsworth: The Father of Television*. University of Utah Press.
- Godfrey, Donald G. and Alf Pratte. "Elma Pem Gardner Farnsworth: the pioneering of television." *Journalism History*, vol. 20, summer 1994, pp. 74-79.
- Hofer, Stephen F. "Philo Farnsworth: television's pioneer." *Journal of Broadcasting*, vol. 23, spring 1979, pp. 153-165.
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- Postman, Neil. "Philo Farnsworth." *Time*, 29 March 1999, pp. 92-94.
- Schwartz, Evan I. *The Last Lone Inventor: A Tale of Genius, Deceit, and the Birth of Television*. HarperCollins, 2002.
- Schwartz, Evan I. "Televisionary" *Wired*, April 2002, pp. 68-74.
- Schwartz, Evan I. "Who really invented television?" *Technology Review*, vol. 103 (2000), no. 5, pp. 96-106.
- U.S. Congress. House. 101:2. *Dedication of the Statue of Philo T. Farnsworth*. House Doc. 101-188. Washington, D.C.: Government Printing Office, 1991. 72 pp.

Friis, Harald T. (1893, Denmark -)

[contributor to the expansion of the useful spectrum of radio frequencies]

[long-time employee of Bell Labs] [winner of the 1955 IRE Medal of Honor]

• Bray, John. *The Telecommunications Miracle: The Telecommunication Pioneers from Morse to the Information Superhighway*. New York: Plenum Press, 1995. xix + 379 pp. [copy]

• Brittain, James E. "Scanning the past: Harald T. Friis." *Proceedings of the IEEE*, vol. 83 (1995), p. 1674.

• CH

• Friis, Harald T. *Seventy-Five Years in an Exciting World*. San Francisco: San Francisco Press, 1971. ii + 58 pp. [CHEE]

• Friis, Harald T. "30 years with microwaves." *Microwave Journal*, vol. 11 (1968), pp. 28-29, 21-33.

Gabor, Dennis (né Dénes) (5 June 1900, Budapest, Hungary - 8 February 1979, London)

[electrical engineer and inventor of holography] [employee of Siemens & Halske; employee of the British Thomson-Houston Company; faculty member at Imperial College of Science and Technology (1949-1967)]

[winner of the 1971 Nobel Prize for Physics for his invention of holography; winner of the 1970 IEEE Medal of Honor]

• CH

• Day

• DSB Suppl. II

• EB 2000

• Feldtkeller, Ernst, and Herbert Goetzler, eds. *Pioniere der Wissenschaft bei Siemens: Beruflicher Werdegang und wichtigste Ergebnisse*. Erlangen: Publicis MCD Verlag, 1994.

• Palucka, Tim. "Holography: the whole picture." *American Heritage of Invention & Technology*, vol. 18, no. 3 (winter 2003), pp. 12-21.

Goldmark, Peter Carl (2 December 1906, Budapest - 7 December 1977, Westchester County, NY)

[engineer who contributed to television and phonograph technology and business leader]

[engineer and research director at CBS]

• Day

• EB 2000

• Goldmark, Peter, with Lee Edson. *Maverick Inventor: My Turbulent Years at CBS*. New York: Saturday Review Press, 1973. 278 pp.

• McG

Goldsmith, Alfred Norton (15 September 1888, New York City - 2 July 1974)

[radio and motion-picture engineer, professor, and one of the founders of the Institute of Radio Engineers]

[teacher at City College of New York; director of research, then vice president, then general manager at RCA (1919-1931)]

[Eta Kappa Nu Eminent Member 1955; winner of the IRE Medal of Honor in 1941 and the IRE Founders Award in 1954; first recipient of the IEEE Haridan Pratt Award in 1972]

• Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.

• CH

• Clark, Alfred E. "Alfred N. Goldsmith dies at 85, pioneer in radio and color TV." *New York Times*, 3 July 1974. [VF]

• Dreher, Carl. "His colleagues remember 'The Doctor'." *IEEE Spectrum*, vol. 11 (1974), no. 8, pp. 32-36. [VF]

• Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.

• Geselowitz, Michael N. "In his own words: Alfred Norton Goldsmith." *Proceedings of the IEEE*, vol. 90 (2002), pp. 306-310.

• The IEEE History Center has an oral history of Alfred Goldsmith on its website (includes abstract and table of contents).

Guillemin, Ernst Adolph (8 May 1898 - 1970)

[contributor to the field of electric circuit analysis and synthesis] [winner of the 1961 IRE Medal of Honor]

- CH
- McG
- Wildes, Karl L., and Nilo A. Lindgren. *A Century of Electrical Engineering and Computer Science at MIT, 1882-1982*. Cambridge, MA: MIT Press, 1985. xi +423 pp. [IHC]

Hammond, John Hays, Jr. (13 April 1888, San Francisco, CA - 12 February 1965, New York City)
[pioneer in the field of radio control and communication] [recipient of the 1963 IEEE Medal of Honor]

- CH
- Dandola, John. *Living in the Past, Looking to the Future: The Biography of John Hays Hammond, Jr.* Glen Ridge, NJ: Quincannon Publishing Group, 2004. [IHC]
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
- EB 2000

Hansen, William Webster (Bill) (27 May 1909, Fresno, CA - 23 May 1949, Palo Alto, CA)

[contributor to antenna theory and the development of the klystron, a founder of the field of microwave electronics, and designer of linear accelerators] [professor at Stanford University (1934-)] [IRE Fellow 1947]

- Brittain, James E. "Scanning the past: William W. Hansen and the rhumbatron." *Proceedings of the IEEE*, vol. 86 (1998), pp. 604-605.
- DSB
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
- EB 2000
- Ginzton, Edward L. "The \$100 idea." *IEEE Spectrum*, vol. 12, no. 2 (February 1975), pp. 30-39.
- Susskind, Charles, ed. *The Encyclopedia of Electronics*. New York: Reinhold, 1962.

Hartree, Douglas Rayner (27 March 1897 - 12 February 1958)

[pioneer of numerical computation in science and builder of a differential analyzer]

- Cortada
- Darwin, C.G. "D.R. Hartree." *Biographical Memoirs of the Royal Society*, vol. 4 (1958), pp. 103- .
- Fischer, Charlotte Froese. *Douglas Rayner Hartree: His Life in Science and Computing*. Singapore: World Scientific Publishing, 2004. 244 pp.
- Lee
- Ralston

Hazen, Harold Locke (1 August 1901 - 21 February 1980)

[developer of a network analyzer and of servomechanisms] [professor at MIT]

- Bennett, Stuart. *Harold Hazen and the Theory and Design of Servomechanisms*. Research Report No. 270. Sheffield, UK: University of Sheffield, 1984. 43 pp.
- Brown, Gordon S. "Eloge: Harold Locke Hazen, 1901-1980." *Annals of the History of Computing*, vol. 3, no. 1 (January 1981), pp. 4-12.
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- Wildes, Karl L., and Nilo A. Lindgren. *A Century of Electrical Engineering and Computer Science at MIT, 1882-1982*. Cambridge, MA: MIT Press, 1985. xi +423 pp. [IHC] [CH5-VF]

Jackson, Dugald Caleb (13 February 1865, Kennett Square, PA - 1951)

[electrical engineer, manager, and professor of electrical engineering]

[AIEE President 1910-1911, winner of the 1938 Edison Medal]

- Brittain, James E. "Scanning the past: Dugald C. Jackson: a pioneer electrical engineering educator." *Proceedings of the IEEE*, vol. 86 (1998), pp. 744-745.
- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
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- CH
- *Fiftieth Anniversary AIEE 1884-1934*, May 1934 special issue of *Electrical Engineering* (vol. 53, no. 5).

Jansky, Karl Guthe (22 October 1905, Norman, OK - 14 February 1950, Red Bank, NJ)

[radio engineer who discovered radio waves from space] [researcher at Bell Labs (1928-)]

- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
- Day
- EB 2000
- Imbriale, William A. "Introduction to 'Electrical disturbances apparently of extraterrestrial origin'." *Proceedings of the IEEE*, vol. 86 (1998), pp. 1507-1509.

Jenkin, (Henry Charles) Fleeming (25 March 1833, near Dungeness, Kent, England - 12 June 1885, Edinburgh)
[scientist and electrical engineer who contributed to submarine telegraphy, EE education, and the establishment of standards of electrical measurement]

- Brownlie, A.D., and M.F. Lloyd Prichard. "Professor Fleeming Jenkin, 1833-1885: pioneer in engineering and political economy." *Oxford Economic Papers*, vol. 15 (1963), pp. 204-216.
- Cookson, Gillian, and Colin A. Hempstead. *A Victorian Scientist and Engineer: Fleeming Jenkin and the Birth of Electrical Engineering*. Aldershot and Brookfield, VT: Ashgate, 2000. xii + 217 pp.
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Kettering, Charles Franklin (29 August 1876, Loudonville, OH - 25 November 1958, Dayton, OH)

[inventor who devised an electric cash register and an electric starter for automobiles] [winner of the 1958 Edison Medal]

- Allen, Oliver E. "Kettering." *American Heritage of Invention and Technology*, vol. 12 (fall 1996), pp. 52-63.
- Boyd, T.A. *Professional Amateur: The Biography of Charles Franklin Kettering*. New York: E.P. Dutton, 1957. xii + 242 pp. [IHC]
- CH
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- DSB
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- Leslie, Stuart W. *Boss Kettering*. New York: Columbia University Press, 1983.

Knowles, Hugh Shaler (23 September 1904, Smoky Hollow (or Hynes), Iowa - 21 April 1988, Oak Brook, Illinois)

[acoustical engineer, developer of microphones and loudspeakers] [founder of Knowles Electronics, Inc.]

- Goodwillie, Susan. *Now Hear This: The Life of Hugh S. Knowles, Acoustical Engineer and Entrepreneur*. Washington, DC: Francis Press, 1999. xiii + 188 pp. [IHC]
- Killion, Mead C. "Biographical sketches: Hugh S. Knowles." *Hearing Instruments*, vol. 33 (1982), no. 4.
- Murphy, Eugene F. "Hugh S. Knowles, 1904-1988." *Memorial Tributes: National Academy of Engineering*, vol. 4 (1991), pp. 177- .

Kompfner, Rudolf (Rudi) (16 May 1909, Vienna - 3 December 1977)

[architect, electrical engineer, inventor of the traveling-wave tube, and professor]

[member of an Admiralty group working on radar at the University of Birmingham; researcher at the Clarendon Laboratory, Oxford; employee of Bell Labs (1951-), director of research at Bell Labs] [winner of the 1973 IEEE Medal of Honor]

- Bray, John. *The Telecommunications Miracle: The Telecommunication Pioneers from Morse to the Information Superhighway*. New York: Plenum Press, 1995. xix + 379 pp. [copy]
- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
- CH
- Day
- Kompfner, Rudolf. *The Invention of the Traveling-Wave Tube*. San Francisco: San Francisco Press, 1964. v + 30 pp.

Lear, William Powell (Bill) (26 June 1902, Hannibal, MO - 14 May 1978, Reno, NV)

[electrical engineer, developer of an automobile radio, an 8-track tape player, and an autopilot, and businessman] [founder of Lear Jet Corporation]

[IEEE Fellow 1967 "For pioneering efforts and continuing contributions to the field of electronics in aircraft communications and automatic flight control systems"]

- EB 2000
- Rashke, Richard. *Stormy Genius: The Life of Aviation's Maverick, Bill Lear*. Boston: Houghton Mifflin, 1985. 401 pp.

Licklider, Joseph Carl Robnett (11 March 1915, St. Louis, MO - 26 June 1990, Arlington, MA)

[contributor to interactive computing]

[researcher and lecturer at Harvard (1942-1950); faculty member at MIT (1950-1957, 1966-1985); employee of Bolt Beranek Newman (1957-1962); director of IPTO at ARPA (1962-1964); consultant to IBM (1964-1967)]

- Brate, Adam. *Technomanifestos: Visions from the Information Revolutionaries*. New York City: Texere, 2002. vii + 371.
- Hughes, Thomas P. *Rescuing Prometheus*. New York: Vintage Books, 1998.
- Lee
- Waldrop, M. Mitchell. "Computing's Johnny Appleseed." *Technology Review*, vol. 103 (2000), no. 1, pp. 66-71.
- Waldrop, M. Mitchell. *The Dream Machine: J.C.R. Licklider and the Revolution That Made Computing Personal*. New York: Viking, 2001. 528 pp. [Rutgers]

Lukoff, Herman (2 May 1923 - 24 September 1979)

[design engineer for ENIAC, EDVAC, UNIVAC, and other computer projects]

- Cortada
- Goldstein, Gordon D. "A memoir of computing: *From Dits to Bits*, by Herman Lukoff" (book review). *Science*, November 1979. [VF: Information Theory]
- Lee
- Lukoff, Herman. *From Dits to Bits: A Personal History of the Computer*. Portland, OR: Robotics, 1979. 220 pp.

Mauchly, John William (30 August 1907, Cincinnati, OH - 8 January 1980, Ambler, PA)

[pioneer of electronic computing and designer, with J. Presper Eckert, of the ENIAC, EDVAC, and UNIVAC I computers]

- Cortada
- Costello, John. "As the twig is bent: the early life of John Mauchly." *Annals of the History of Computing*, vol. 18, no. 1 (spring 1996), pp. 45-50.
- Costello, John. "He changed the world." *Washingtonian*, vol. 19 (1983), pp. 525-548.
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- Dewees, Anne. "It's a better world, thanks to John." *Sperry UNIVAC News*, vol. 4, no. 3, February 1980, pp. 1-8.
- EB 2000
- Eckert, J. Presper. "Eulogy for John Mauchly." Reprinted in *Sperry UNIVAC News*, vol. 4, no. 3, February 1980, p. 6
- Lee
- Mauchly, Kathleen R. "John Mauchly's early years." *Annals of the History of Computing*, vol. 6 (1984), pp. 116-138. [VF under Computers]
- McCartney, Scott. *ENIAC: The Triumphs and Tragedies of the World's First Computer*. New York: Walker and Company, 1999. viii + 262 pp. [copy]
- Ralston
- Ritchie, David. *The Computer Pioneers: The Making of the Modern Computer*. New York: Simon and Schuster, 1986. 238 pp. [Rutgers]
- Slater, Robert. *Portraits in Silicon*. Cambridge, MA: MIT Press, 1987.
- Stern, Nancy. "John Wilbur Mauchly: 1907-1980." *Annals of the History of Computing*, vol. 2 (1980), pp. 100-103.

Meucci, Antonio Santi Giuseppe (13 April 1808, Florence - 1889)

[experimenter in electromedicine, inventor, and pioneer of the telephone]

- Bargellini, Pier L. "An Engineer's Review of Antonio Meucci's Pioneer Work in the Invention of the Telephone." *Technology in Society*. Vol. 15 (1993), pp. 409-421.
- Catania, Basilio. *Antonio Meucci, L'inventore e il suo tempo: da Firenze a L'Avana*. Torino, Italy: Edizioni SEAT, 1994. 524 pp. (An addendum was published in 1995.)
- Catania, Basilio. *Antonio Meucci, L'inventore e il suo tempo: New York 1850-1871*. Torino, Italy: Edizioni SEAT, 1996. 756 pp.
- Nese, Marco and Francesco Nicotra. *Antonio Meucci, 1808-1889*. Rome: Italy Magazine, 1989. 173 pp.
- Schiavo, Giovanni E. *Antonio Meucci: Inventor of the Telephone*. New York: Vigo Press, 1958. 288 pp.

Musschenbroek, Petrus Van (also written Pieter van) (14 March 1692, Leyden, Holland - 19 (or 9) September 1761, Leyden, Holland)

[inventor of the electrical condenser later called the Leyden jar]

- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
- DSB
- Keithley, Joseph F. *The Story of Electrical and Magnetic Measurements: From 500 BC to the 1940s*. New York City: IEEE Press, 1999. xv + 240 pp.

Noyce, Robert Norton (12 December 1927, Burlington (near Denmark), IA - 3 June 1990, Austin, TX)

[electronics engineer who developed integrated circuits and the microprocessor chip]

[employee of Philco (1953-); employee of Shockley Semiconductor Laboratories (1956-1957); cofounder in 1957 of Fairchild Semiconductor (one of the Fairchild Eight); cofounder in 1968 (with Gordon Moore) of Intel Corporation]

[winner of the National Medal of Science in 1979; co-winner, with Jack Kilby, of the 1989 Draper Prize for "development of the monolithic integrated circuit"; winner of the 1978 IEEE Medal of Honor]

- Berlin, Leslie R. *The Man Behind the Microchip: Robert Noyce and the Invention of Silicon Valley*. Oxford, UK: Oxford University Press, 2005. xi + 402 pp.
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- Reid, T.R. *The Chip: How Two Americans Invented the Microchip and Launched a Revolution*. New York: Simon and Schuster, 1984. [VF: book reviews]
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- "Rober N. Noyce." *Physics Today*. January 1991, p. 82.
- Wolfe, Tom. "The tinkerings of Robert Noyce." *Esquire*, December 1983, pp. 346-374.

Nyquist, Harry Theodor (7 February 1889, Nilsby, Värmland, Sweden - 4 April 1976, Harlingen, TX)

[electrical engineer who studied amplifiers and other communications circuits]
 [employee of AT&T (1917-1934), employee of Bell Telephone Laboratories (1934-1954)]
 [Eta Kappa Nu Eminent Member 1956; winner of 1960 IRE Medal of Honor]

- Åström, Karl Johan. "A tribute to the memory of an outstanding scientist: Harry Nyquist (1908-1976)." Booklet published in 2003 by the Royal Swedish Academy of Engineering Sciences, 36 pp. [IHC]
- CH
- Davey, James R. "1980s technology in the 1920s: Harry Nyquist's proposal for bandwidth-efficient data communication." *IEEE Communications Magazine*, vol. 23, April 1985, pp. 4-5.
- Day
- Lozier, John C. "The Oldenberger Award response: an appreciation of Harry Nyquist." *Journal of Dynamic Systems, Measurement and Control*, vol. 98, June 1976, pp. 127-128.
- Mabon, Prescott C. *Mission Communications: The Story of Bell Laboratories*. 1975.
- McG
- Nyquist, Harry. "The regeneration theory." *Transactions of the American Society of Mechanical Engineers*, vol. 76 (1954), pp. 1151- .

Packard, David (7 September 1912, Pueblo, CO - 26 March 1996, Stanford, CA)

[electrical engineer] [employee of General Electric; cofounder, with William Hewlett, of the instrument and computer company Hewlett-Packard; U.S. Deputy Secretary of Defense (1969-1972)]
 [winner of the Lemelson-MIT Lifetime Achievement Award]

- Caddes, Carolyn. *Portraits of Success: Impressions of Silicon Valley Pioneers*. Palo Alto, CA: Tioga Publishing Company, 1986.
- Cortada
- "David Packard, 83, pioneer of Silicon Valley, is dead." *New York Times*, 27 March 1996.
- EB 2000
- Jacobson, David. "Founding fathers." *Stanford*, vol. 26 (1998), pp. 58-65.
- Lee
- Packard, David. *The HP Way: How Bill Hewlett and I Built Our Company*. New York: HarperBusiness, 1995. xii + 212 pp. [IHC]

Pearson, Fred Stark (3 July 1861, Lowell, MA - 7 May 1915, on board the Lusitania when it sank off the coast of Ireland)
 [electrical engineer and entrepreneur who played large roles in major electrification projects in many cities in North and South America and Europe]

[instructor at MIT (1879-1880), instructor at Tufts College (1883-1886), engineer for the Metropolitan Street Railway Company; consulting engineer]

- Cooke, Gilmore G. "An extreme power engineer: the accomplishments of Fred Start Pearson, part one." *IEEE Power & Energy Magazine*, November/December 2003, pp. 60-65. [IHC]
- Cooke, Gilmore G. "A worldwide legacy: the accomplishments of Fred Start Pearson, part two." *IEEE Power & Energy Magazine*, January/February 2004, pp. 78-80. [IHC]
- "In memoriam." *General Electric Review*, vol. 18 (1915), pp. 930-933. [IHC]

Rajchman, Jan Aleksandr (10 August 1911, England - 1 April 1989)

[electronics engineer and contributor to computer memory devices] [winner of the 1974 Edison Medal]

- CH
- Cortada
- Lee
- Rajchman, Jan. "An interview with Jan Rajchman." *AFIPS Annals of the History of Computing*, vol. 12 (1990), no. 2, pp. 142-146.
- Weiss, Eric A. "Obituary: Jan A. Rajchman." *IEEE Annals of the History of Computing*, vol. 11 (1989), no. 4, p. 328.
- The IEEE History Center has two oral histories of Jan A. Rajchman on its website (include abstracts and tables of contents).

Reeves, Alec Harley (1902, Redhill, Surrey, England - 1971)

[radio engineer and inventor who received a patent for his 1937 invention of pulse code modulation]

[employee of International Western Electric (later Standard Telephones and Cables Ltd.); employee of Le Matériel Téléphonique; researcher and manager at Standard Telecommunication Laboratories]

- Bray, John. *The Telecommunications Miracle: The Telecommunication Pioneers from Morse to the Information Superhighway*. New York: Plenum Press, 1995. xix + 379 pp. [copy]
- Cattermole, K.W. "A.H. Reeves: the man behind the engineer." *IEE Review*, November 1990.

Sarnoff, David (27 February 1891, Minsk, Russia - 12 December 1971, New York, NY)

[developer of the business of radio and television]

- Baron, Robert C. *Pioneers and Plodders: The American Entrepreneurial Spirit*. Golden, CO: Fulcrum Publishing, 2004. (chapter 8)
- Bilby, Kenneth. *The General: David Sarnoff and the Rise of the Communications Industry*. New York: Harper & Row, 1986. 326 pp.
- Day
- Dreher, Carl. *Sarnoff: An American Success*. New York: Quadrangle, The New York Times Book Company, 1977. vi + 282 pp. [IHC]
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- Inglis, Andrew F. "David Sarnoff (1891-1971)." *Behind the Tube: A History of Broadcasting Technology and Business*. Boston: Focal Press.
- Lewis, Tom. *Empire of the Air: The Men Who Made Radio*. New York: HarperCollins, 1991. 421 pp. [IHC]
- Lyons, Eugene. *David Sarnoff: A Biography*. New York: Harper & Row, 1966. x + 372 pp. [Rutgers]
- Sarnoff, David. *Looking Ahead: The Papers of David Sarnoff*. New York: McGraw-Hill, 1968. xxi + 313 pp. [copy]

Schonland, Basil (Sir) (né Schönland) (5 February 1896, Grahamstown, Eastern Cape, South Africa - 24 November 1972, Shawford, England)

[scientist who studied atomic physics and lightning, administrator, and contributor to the development of radar during World War II and to the development of atomic power]

[researcher at the Cavendish Laboratory; Professor of Geophysics at the University of Witwatersrand; Superintendent of the British Army Operational Research Group (during World War II); President of the Council for Scientific and Industrial Research (CSIR); Director of the UK Atomic Energy Research Establishment at Harwell]

[winner of the IEE Faraday Medal in 1962]

- Allibone, T.W. "Basil Ferdinand Jamieson Schonland 1896-1972." *Biographical Memoirs of Fellows of the Royal Society*, vol. 19 (1973), pp. 629-653.
- Austin, Brian. *Schonland: Scientist and Soldier*. Bristol: Institute of Physics Publishing, 2001. xviii + 639 pp. [IHC]

Sporn, Philip (25 November 1896, Foflotwin, Austria - 23 January 1978, New York City)

[electric power engineer] [president of the American Electric Power Company]

[Eta Kappa Nu Eminent Member 1953; winner of the 1945 Edison Medal]

- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
- CH
- *National Academy of Engineering Memorial Tributes*, vol. 1, pp. 279- .

Squier, George Owen (21 March 1865, Dryden, MI - 24 March 1934, Washington, DC)

[communications engineer, inventor of the polarizing photochronograph, and developer of wired radio (Muzak)]

[U.S. Army Chief Signal Officer during World War I]

- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
- Lanza, Joseph. *Elevator Music*. New York: St. Martin's Press, 1994.
- Lindsay, David. "The Muzak man." *American Heritage of Invention & Technology*, vol. 14, no. 2 (fall 1998), pp. 52-57.
- Squier, George. *Telling the World*. Baltimore: Williams and Wilkins Company, 1933.

Stibitz, George Robert (30 April 1904, York, PA - 31 January 1995, Hanover, NH)

[pioneer of digital computing and builder of relay computers]

- Cortada
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- "George Stibitz '27G: computer's inventor joins the Hall of Fame." *Union College*, (Schenectady NY), November-December 1983 (18). [VF in Computers]
- Lee
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- Ritchie, David. *The Computer Pioneers: The Making of the Modern Computer*. New York: Simon and Schuster, 1986. 238 pp. [Rutgers]
- Stibitz, George. *The Zeroth Generation*. Manuscript, 1993. Stibitz Papers, Dartmouth College.

Straus, Henry Lobe (Harry) (10 March 1896 - 25 October (or 25 November?) 1949)

[developer of the totalisator for horse racing]

- Schmidt, John C. *Win-Place-Show: A Biography of Harry Straus, the Man Who Gave America the Tote*. Baltimore: G.W.C. Whiting School of Engineering, Johns Hopkins University, 1989. xi + 137 pp. [ILL Towson State University]

Svoboda, Antonin (14 October 1907 - 18 May 1980)

[computer scientist and developer of analog computers]

- Cortada
- Lee
- Lee, John A.N. "Antonin Svoboda." *IEEE Annals of the History of Computing*, vol. 21 (1999), no. 1, pp. 52-53. [copy]
- Svoboda, Antonin. "From mechanical linkages to electronic computers: recollections from Czechoslovakia." In N. Metropolis, J. Howlett, and Gian-Carlo Rota, eds., *A History of Computing in the Twentieth Century* (New York: Academic Press, 1980), pp. 579-586.

Takayanagi, Kenjiro (20 January 1899 - 23 July 1990, Yokosuka, Japan)

[pioneer of television in Japan]

- Keller, Peter A. *The Cathode-Ray Tube: Technology, History and Applications*. New York: Palisades Press, 1991. xv + 314 pp. [IHC]
- Takayanagi, Kenjiro. *My Personal History*. Serial articles in *Japan Economic Newspaper*.
- Takayanagi, Kenjiro. *Pioneering Television: The Autobiography of Kenjiro Takayanagi*. Translated from the Japanese by Mayumi Yoshida. San Francisco: San Francisco Press, 1993. x + 112 pp. (Original version, *Televi-koto-hazime*, published by Yukiaku Publishing Corporation, Tokyo in 1986.) [IHC]

Thévenin, Léon Charles (30 March 1857, Meaux, France - 21 September 1926, Paris)

[telegraph engineer and contributor to electrical circuit theory (contributing what is called Thévenin's theorem)]

[for his entire career an employee of Postes et Télégraphes (1878-1914)]

- Day
- Johnson, Don H. "Scanning the past: Origins of the equivalent circuit concept: the voltage-source equivalent." *Proceedings of the IEEE*, vol. 91 (2003), pp. 636-640.
- Mayer, H.F. "Léon Charles Thévenin." *Electrical Engineering*, vol. 69 (1950), p. 186.
- Suchet, Charles. "Léon Charles Thévenin." *Electrical Engineering*, vol. 68 (1949), pp. 843-844.
- Thomas, H. "Léon Thévenin." *Annales des Postes, Télégraphes et Téléphones*, vol. 15 (1926), pp. 1090-1098.

Thompson, Browder Julian (14 August 1904, Roanoke, LA - July 1944)

[designer of electron tubes who contributed especially to the development of miniature tubes]

[researcher at General Electric (1926-1931); researcher at RCA]

- Brittain, James E. "Scanning the past: Browder J. Thompson." *Proceedings of the IEEE*, vol. 79 (1991), p. 888.
- "Browder J. Thompson: 1903-1944" *Proceedings of the I.R.E.*, vol. 33 (1945), p. 71.
- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.

Trotter, Alexander Pelham (1858-1947)

[electrical engineer who worked on electric lighting systems and the manufacture of electric generators, editor (of *The Electrician*), and government adviser]

- Bowers, Brian. "Alexander Trotter, a well-connected electrician." *Proceedings of the Institution of Electrical Engineers*, November 1989, pp. 337-340.
- Bowers, Brian. "Scanning our past from London: Trotter in South Africa" *Proceedings of the IEEE*, vol. 91 (2003), pp. 1469-1471.
- Bowers, Brian. "Scanning our past from London: Where did electrical engineering begin?" *Proceedings of the IEEE*, vol. 91 (2003), pp. 1257-1259.
- Steward, Stanley. "The astonishing career of A.P. Trotter." *Electrical Review*, vol. 215 (1984), no. 18, p. 27.
- Trotter, A.P. *Reminiscences*. Edited and indexed by Brian Bowers, IEE Archives.

Turing, Alan Mathison (23 June 1912, Paddington, London - 7 June 1954, Wilmslow, Cheshire, England)

[mathematical logician and computer developer, contributing to the Colossus and ACE computers]

- Agar, Jon. *Turing and the Universal Machine: The Making of the Modern Computer*. Duxford, England: Icon Books, 2001. 153 pp.
- Brate, Adam. *Technomanifestos: Visions from the Information Revolutionaries*. New York City: Texere, 2002. vii + 371.
- Cortada
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- Gray, Paul. "Alan Turing." *Time*, 29 March 1999, pp. 147-150.
- Hodges, Andrew. *Alan Turing: The Enigma*. New York: Simon & Schuster, 1983.
- Hodges, Andrew. "The military use of Alan Turing". In Booss-Bavnbek Bernhelm and Jens Høyrup, eds., *Mathematics and War* (Boston: Birkhäuser, 2003).
- Hodges, Andrew. *Turing: A Natural Philosopher*. London: Phoenix, 1997.
- Ince, D.C., ed. *The Collected Works of A.M. Turing: Mechanical Intelligence*. Amsterdam: North-Holland, 1992.
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- Saunders, P.T. "Alan Turing and biology." *IEEE Annals of the History of Computing*, vol. 15 (1993), p. 3, pp. 33-36. [copy]
- Slater, Robert. *Portraits in Silicon*. Cambridge, MA: MIT Press, 1987.
- Strathern, Paul. *Turing & the Computer*. New York: Anchor Books, 1997.

Tuve, Merle Antony (27 June 1901, Canton, SD - 20 May 1982, Bethesda, MD)

[physicist who pioneered in the radio investigation of the ionosphere and who contributed to the development of radar]
[researcher (1926-) and then director (1946-1966) at the Department of Terrestrial Magnetism of the Carnegie Institution of Washington]

- Day
- DSB Suppl. II
- EB 2000
- McG
- Tuve, Merle. "Early days of pulse radio at the Carnegie Institution." *Journal of Atmospheric and Terrestrial Physics*, vol. 36 (1974), pp. 2079-2083.

Vail, Alfred Lewis (25 September 1807, Morristown, NJ - 18 January 1859, Morristown, NJ)

[telegraph pioneer and associate of Samuel Morse]

- Coe, Lewis. *The Telegraph: A History of Morse's Invention and Its Predecessors in the United States*. Jefferson, NC: McFarland, 1993. vii + 184 pp. (Biographical sketch on p. 176.) [IHC]
- Day
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- Lurie, Maxine, and Marc Mappen, eds. *Encyclopedia of New Jersey*. New Brunswick, NJ: Rutgers University Press, 2004.
- Vail, J. Cummings. *Early History of the Electro-Magnetic Telegraph From Letters and Journals of Alfred Vail*. New York: Hine Brothers, 1914. Reprint in *Eyewitness to Early American Telegraphy*. New York: Arno Press, 1974.

Van Depoele, Charles Joseph (27 April 1846, Lichtervelde, Belgium - 18 March 1892, Lynn, MA)

[inventor who developed a practical electric trolley]

- "Charles Joseph Van Depoele 1846-1892." In Gorowitz, Bernard, ed., *A Century of Progress: The General Electric Story 1876 - 1978* (Schenectady, NY: Hall of History Foundation, 1981), p. I.34. [IHC]
- EB 2000

van der Bijl, Hendrik Johannes (23 November 1887, Pretoria, South Africa - 1948)

[designer of electron tubes, contributor to the theory of electron tubes, author of the first textbook on electron tubes, and developer of electric power in South Africa]

- Dunlap, Orrin E., Jr. *Radio's 100 Men of Science*. Harper & Brothers, 1944. Reprinted in 1970 by Books for Libraries Press, Freeport, NY.
- Jacobs, A. *South African Heritage—A Biography of H.J. van der Bijl*. Pietermaritzburg: Shuter and Shooter, 1948.
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- Vermeulen, Dirk J. "The remarkable Dr. Hendrik van der Bijl." *Proceedings of the IEEE*, vol. 86 (1998), pp. 2445-2454. [IHC]

Varian, Russell Harrison (24 April 1898, Washington, DC - 28 July 1959, Juneau, AK)

[co-inventor with his brother Sigurd of the klystron]

[co-founder, with his brother Sigurd, in 1948 of Varian Associates for the manufacture of microwave devices]

- Brittain, James E., ed. *Turning Points in American Electrical History*. New York: IEEE Press, 1977. xi + 399 pp.
- Day
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Varian, Sigurd Fergus (4 May 1901, Syracuse, NY - 18 October 1961, Puerto Vallarta, Mexico)

[co-inventor with his brother Russell of the klystron]

[co-founder, with his brother Russell, in 1948 of Varian Associates for the manufacture of microwave devices]

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von Neumann, John Louis (né Johann) (28 December 1903, Budapest, Hungary - 8 February 1957, Washington, DC)

[mathematical physicist and computer pioneer]

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Wang, An (7 February 1920, Shanghai - 24 March 1990, Boston)

[electronics engineer, developer of the ferrite core memory, and entrepreneur]

[founder of Wang Laboratories (which developed a desktop computer)]

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Watson, Thomas John, Sr. (17 February 1874, Campbell, NY - 19 June 1956, New York, NY)

[business executive] [a manager of National Cash Register Company; president of Computing-Tabulating-Recording Company, which in 1924 became IBM (1914-1952); chairman of IBM (-1956)]

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Wheeler, Harold Alden (10 May 1903, St. Paul, MN - 25 April 1996, Ventura, CA)

[electronics engineer, inventor (known for the invention of the Neutrodyne and automatic volume control), researcher, and manager]

[recipient of the 1996 Eta Kappa Nu Vladimir Karapetoff Award "for the automatic volume control circuit and his pioneering work in radio and television"] [winner of the 1964 IEEE Medal of Honor]

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Wiesner, Jerome B. (Jerry) (30 May 1915, Dearborn, MI - 21 October 1994, Watertown, MA)

[contributor to the development of radar (notably at the MIT Rad Lab) and of computers (notably on the Whirlwind and SAGE projects)]

[member of the MIT Radiation Laboratory (1942-1945), where he was director of Project Cadillac; professor at MIT; science adviser to President Kennedy; President of MIT (1971-1980)] [Eta Kappa Nu Eminent Member 1962]

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Williams, Frederic Calland (Freddie) (Sir) (26 June 1911, Romiley near Stockport, Cheshire, England - 11 August 1977, Manchester)

[electronics engineer, developer of IFF, inventor of a cathode-ray-tube memory system for computers (the Williams tube), and professor]

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