

# 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“.

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

Eine Tabelle mit den Abkürzungen in der Spalte „Quelle“ befindet sich am Ende der ersten Teilliste (Seite 40).

Danach folgt in englischer Sprache noch eine zweite Teilliste 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.

Die aktuelle Gesamtliste findet man im Internet bei

<http://www.vde.com/de/Ausschuesse/Geschichte-Elektrotechnik/Seiten/Ber%C3%BChmteElektrotechniker.aspx>

durch Anklicken der Zeile Zum [erweiterten Namensregister](#) des Lexikons.

München, 9. März 2011

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

Name	Lebens- jahre	Quelle	Jahr oder Jahrgang	Seite oder Seitenzahl
<b>A</b> braham, Henri	1868-1943	französ. 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	französ. Energiewirtschaftler (Normung).		
		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		
Appleton, Edward Victor	1892-1965	brit. Physiker + Funkpionier (Ionosphäre).		
		YBWTT	13(1925)	S. 869
		Clark, Ronald: Sir Edward Appleton. Pergamon Press Oxford 1971	240 S.	
Arago, D. François J.	1786-1853	LdE		
Arco, Graf Georg von	1869-1940	LdE		
Ardenne, Manfred von	1907-1997	LdE + Internet + ETZ	108(1987)6/7	S. 296
Armstrong, Edwin H.	1890-1954	LdE		
<b>Armstrong, Lord William G.</b>	<b>1810-1900</b>	<b>LdE</b>		
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

Name	Lebens- jahre	Quelle		
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
Artom, Alessandro	1867-1927	italien. Richtfunkpionier und Nachrichtentechnik-Professor in Turin.	Internet	
		Righi + Dessau: Die Telegraphie ohne Draht. Vieweg Braunschweig /2001 A 5687/	1907	590 S., hier: S. 537-582
Asano, Osuke	1858-1940	jap. Nachrichtentechniker. Internet + YBWTT	13(1925)	S. 869
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'Électricité (Energiekabel).	CIGRE 1921	
Auer von Welsbach, Carl	1858-1929	LdE		
Austin, Louis Winslow	1867-1932	US-Marine-Nachrichtentechniker. JBDTT	41(1933)	S. 1-2
Ayrton, Hertha	1854-1923	LdE		
Ayrton, William Edward	1847-1908	LdE + E u. M	26(1908)49	S. 1082
<b>B</b> aatz, Herbert	1905-1989	Hochspannungstechniker. ETZ-A	79(1958)19	S. 662-663
		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
Ballantine, Stuart	1897-1944	US-Funktelefonpionier (Goniometer).	Internet	
		YBWTT	9(1921)	S. 1275
Balsillie, John Graeme	1885-1924	austral. Funktechniker.		
		Australian Dictionary of Biography, 647 S.	1979	S. 162
Bardeen, John	1908-1991	LdE		
Bardeloni, Cesare	1871-1933	italien. Armeefunk-Pionier. BGG		S. 235
		Internet <a href="http://www.carlobramantiradio.it/">http://www.carlobramantiradio.it/</a>		22.01.2011
		YBWTT	13(1925)	S. 869
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

Name	Lebens- jahre	Quelle		
Bauder, Reinhold	1902-1994	LdE		
Baudot, Jean M. E.	1845-1903	LdE		
Bauknecht, Gottlob	1892-1976	LdE		
Bay, Zoltán	1900-1992	US-ungar. Mikrowellentechniker (Fotomultipli.).	???	
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.	1881-1953	Telefunken-Direktor.	Siemens-Archiv	
		RHdDG	Bd. 1(1930)	S. 93
Behn-Eschenburg, Hans	1864-1938	LdE + Bull. SEV	29(1938)15	S. 420-421
		Bull. Oerlikon, Mai/Juni	203/204(1938)	S. 1261-1264
Behrend, Bernhard A.	1875-1932	LdE		
Bell, Alexander Graham	1847-1922	LdE		
Bellaschi, Paul L.	1903-1993	US-Hochspannungstechniker (Westinghouse).		
		IEEE Power Engineering Review	13(1993)8	S. 15
Bellati, Manfredo	1848-1932	LdE		
Bellini, Ettore	1876-1943	italien. Nachrichtentechniker (Radiogoniometer).		
		YBWTT	13(1925)	S. 869
Beltrami, Aurelio	1891-1967	italien. Funk- u. Radiotechniker (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		
Bethenod, Joseph	1883-1944	französ. Hochfrequenz-Maschinenbauer.	BGG	S. 231
		La Lumière Électrique	(1916)Dec.18	S. 225
		YBWTT	13(1925)	S. 870
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
Blake, George Gascoigne	1885-1961	brit.-austral. Nachrichten- und Funkpionier.	Internet + BGG	(Autor)

Name	Lebens- jahre	Quelle			
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	Nachrichtentechniker (F&G).			
		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
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	brit.-südafrikan. Blitzforscher.			
		Who was who 1941–1950. A&Chr. Black, London /ZA 3581/		Bd. 4(1952)	S. 131
Bradfield, William Walter	1879-1925	engl. Nachrichtentechniker (Firma Marconi).			
		YBWTT		13(1925)	S. 870, 889
Bradley, Charles Sch.	1853-1929	Erfinder. Webster's biograph. dictionary		1943	
Bragstad, Ole S.	1868-1927	schwed. Starkstromtechniker.			
		Fougner, E.: Norske ingeniører og arkitekter. Kristiania		1916	
Brainerd, John Grist	1904-1988	ENIAC developer.	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.			
		NTZ		24(1971)8	S. 446-447
		RWTH			S. 47

Name	Lebens- jahre	Quelle		
Brattain, Walter H.	1902-1987	LdE		
Braun, Karl Ferdinand	1850-1918	LdE + ETZ	71(1950)19	S. 530
		YBWTT	7(1919)	S. 1113
Bredow, Hans K. A.	1879-1959	LdE + ETZ-A	80(1959)5	S. 158-159
		RHdDG	Band 1	S. 208
Bréguet, Antoine	1851-1882	französ. Telefon-Erfinder. Internet + BGG		S. 19
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, Kurt (auch: Curt)	1910-	Nachrichten-, Werkstoff- + Isolierstofftechniker. ETZ	111(1990)7/8	S. 428
		ETZ	106(1985)6	S. 306
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 American blue-book of biography	1915	
Brown, George H.	1908-1987	LdE		
Brown, Sidney George	1873-1948	engl. Nachrichtentechniker. YBWTT	9(1921)1	S. 1276
		ODNB	8(2004)	S. 115
Brown, Sidney W.	1865-1941	LdE		
Bruch, Walter	1907-1990	LdE + ETZ	111(1990)13	S. 713
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.I)6	S. 561-580
Brusotti, Ferdinando	1839-1899	italien. Glühlampenerfinder.		
		Mittlg. von Prof. A. Savini, U Pavia	5. Mai 2008	
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, Stephan	1901-2000	Messtechniker (Hochspannungszillograf).		
		Weisweiler, Hermann: Stephan Buchkremer - Flammenritter, Domretter und Fotograf. Verlag Meyer & Meyer Aachen.	1997	187 S.
		Internet + ETZ-A (75. Geb.-tag am 24.02)	97(1976)9	S. 319
Buchli, Jakob	1876-1945	schweiz. Lokomotivkonstrukteur. El. Bahn.	12(1936)4	S. 96
Budde, Emil Arnold	1842-1921	Elektrophysiker (Normung, S & H). ETZ	42(1921)41	S. 1153-1154

Name	Lebens- jahre	Quelle		
		Dinglers Polytechn. Journal	336(1921)20	S. 291-292
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		
Buol, Heinrich Emanuel von	1880-1945	Mess- + Röntgentechniker (S & H). El. Bahn.	19(1943)8/9	S. 151
		Siemens-Mitteilungen	(1952)5Nov.	S. 15-17
Burstyn, Walter	1877-1961	Nachrichtentechniker (Telefunken). GvA		S. 121, 271
		BGG		S. 202
		YBWTT	13(1925)	S. 872
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		
<b>C</b> abella, Bartolomeo	1847-1907	LdE		
Callender, Thomas O.	1855-1938	engl. 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	engl. Starkstromtechniker. EH-ETD	1907	S. XXIII
		The Electrician L.	65(1910)6	S. 241-242
Carpentier, Jules A. M. L.	1851-1921	LdE + R.G.E.	10(1921)2	S. 43-44
		L'Industrie Electrique	30(1921)698	S. 264
Carrara, Gianguido	1930-1993	ital. Hochspannungstechniker. CESI News Milano	N. 3 October 1993	S. 1 + 4
Carrara, Nello	1900-1993	italien. 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		
Casimir, Hendrik Brugt Gerh.	1909-2000	Elektrophysiker (Philips).	wikipedia	13.02.2011
Catenacci, Giorgio	1927-1997	italien. Hochspannungstechniker.		
		IEEE Pow. Eng. Rev.	March 1998	S. 21
Cauer, Wilhelm	1900-1945	LdE		
Cavendish, Henry	1731-1810	LdE		
Cerebotani, Luigi	1847-1928	LdE		
Chalmers, Ian	1940-2000	brit. Hochspannungstechniker (Glasgow).		
		IEEE El. Insul. Magazine	16(2000)1 Jan/Feb	S. 41
Chappuzeau, Helmut	1895-	Nachrichtentechniker (Philips). Funk-Technik	15(1960)16	S. 579

Name	Lebens- jahre	Quelle		
Chauvin, Franz Alphons D.	1812-1898	LdE + ADB	Band 47(1903)	S. 469
Chesney, Cummings C.	1863-1947	US-Energieübertragungs-Techniker. W.S.		S. 578
Chubb, Lewis Warrington	1882-	US-Messtechniker (Westinghouse). Proc.IEEE	86(1998)5	S. 1020-1021
		Who's who in engineering ... 1922-1923	5(1922)	
Church, William Lee		US-Ingenieur (Westinghouse). W.S.		S. 573
Cippitelli, Cesare	1875-1941	Hochspannungstechniker (Voigt & Haeffner).		
		ETZ	62(1941)42/43	S. 880
		VM		S. 122, 127
		El. Bahn.	17(1941)9	S. 176
		Firmenschrift 50 Jahre V & H. Frankfurt 1941	138 S.	hier: S. 20
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
Clinker, Reginald Charles	1874-1931	brit. Nachrichtentechniker (Frequenz- Vervielfachung, brit. Patent 135,932(1920))		
		YBWTT	9(1921)	S. 1156
		BGG		S. 346-348
		Nature	(1931) 28 Feb.	S. 324
		Journal IEE	69(1931)	S.
		The Wireless Engineer & Experimental Wireless	9(1932)100	S. 11
Clothier, Henry W.	1872-1938	engl. Starkstromingenieur (Schalterkonstrukteur, trat 1905 in Fa. Reyrolle Co., Newcastle, ein).		
		Journal IEE	83(1938)	S.
<b>Clouth, Franz Julius H.</b>	<b>1838-1910</b>	<b>LdE</b>		
Coerper, Carl Th	1850-1903	LdE		
Collette, August Everhard R.	1857-1939	niederl. Nachrichtentechniker. Telefunken-Ztg.	4(1920)19	S. 3
		YBWTT	8(1920)	S. 1062
		Journal IEE	85(1939)	S.
		biogr. lexikon van bekende Nederlandsche Roomsch-Katholieke tijdgenooten. Leiden	1925	
Colombo, Guiseppe	1836-1921	LdE + EH-ETD	1898	S XXI
Compton, Arthur H.	1892-1962	LdE		
Concordia, Charles	1926-2003	US-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
Corry, Andrew	1922-1994	US-Energietechniker. Electra	1995	
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		
Csernatony-Hoffer, A.	1927-1978	ungar. Hochspannungstechniker. Electra	66(1978)	S. 138
Csicsátka, Antal	1911-1976	US-ungar. Nachrichtentechniker (Stereo-Radio).	???	
Curie, Pierre	1859-1906	LdE		
Czeija, Karl	1876-1916	LdE		

Name	Lebens- jahre	Quelle		
Czeija, Oskar	1887-1958	Schlögl, Reinhard: Oskar Czeija – Radio- und Fernsehponier, Unternehmer, Abenteurer. Böhlau Verlag	Wien/Köln/ Weimar 2005,	218 S.
<b>D</b> ahlander, Robert	1870-1935	LdE		
Dal Negro, Salvatore	1768-1839	LdE		
Daniell, John Frederic	1790-1845	LdE		
Danielson, Ernst	1866-1907	LdE		
Darrieus, Georges	1888-1979	LdE + Bull. SEV	79(1988)19	S. 1213
Davenport, Thomas	1802-1851	LdE		
Davy, Sir Humphry	1778-1829	LdE		
Dawson, Sir Philip	1867-1938	brit. Antriebstechniker + Verbandspolitiker. El. Bahn.	14(1938)10	S. 255
De Forest, Lee	1873-1961	LdE + Proc.IEEE	85(1997)3	S. 476-477
De Groot, Cornelis Johannes	1883-1927	niederl. Rundfunktechniker. Telefunken-Zeitung	9(1928)48/49	S. 95
		Proc.IEEE	88(2000)11	S. 1810-1813
		YBWTT	9(1921)	S. 1279
Dehn, Hans	1880-1952	Blitzschutztechniker, Firmengründer ab 1910.		
		Süddeutsche Zeitung	171(28.07.2010)	S. 19
De la Rive, Auguste A.	1801-1873	LdE		
Dellinger, John Howard	1886-1962	LdE + YBWTT	13(1925)	S. 873
		Wireless World	69(1963)3	S. 119
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	um 1904 bis 1928	Nachrichtentechniker (Siemens, Telefunken). GvA		S. 254
		ETZ	45(1924)17	S. 413
Döpke, Carl	1859-1937	LdE		
Döring, Herbert	1911-2001	Hochfrequenztechniker. RWTH		S. 198
Doetsch, Carl W. H.	1881-	Funktechniker (Telefunken). HELIOS	47(1941.II)44	S. 1378
		ETZ (60 Jahre am 11.11.1941)	62(1941)44/45	S. 912
		ETZ	58(1937)30	S. 831
Doetsch, Gustav H. A.	1892-1977	Mathematiker + Regelungstheoretiker. G.W.		S. 200
		Militärgeschichtliche Zeitschrift	59(2000)	S. 139-160
		Regelungstechnik	11(1963)3	S. 97
Doetsch, Karl Heinrich	1910-2003	Flugregelungstechniker. Internet + ETZ-B	25(1973)17	S. 20

Name	Lebens- jahre	Quelle			
Dolbear, Amos Emerson	1837-1910	US-Telefon-Erfinder + Funkpionier.	BGG	S. 17-18	S. 47-48
Dolezalek, Friedrich	1873-1920	LdE			
Dolivo-Dobrowsky, Michael von	1862-1919	LdE + E u. M		79(1962)7	S. 163
Donati, Luigi	1846-1932	LdE			
Donle, Harold P.		US-Funktelefon-Pionier.	BGG	S. 90 +	S. 246-248
		US-Patent		1,943,238	09.01.1934
		US-Patent		1,291,641	23.03.1918
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
		ETZ-B		10(1958)11	S. 445
Droste, Werner	1929-1995	Schiffs-Elektrotechniker (AEG).	STG		S. 110
Dubilier, William	1888-1969	US-Telefon-Erfinder (Mica-Kondensator).	BGG	S. 172-174	S. 186
		Internet <a href="http://www.historylink.org">www.historylink.org</a>			
		YBWTT		13(1925)	S. 873
		Electrician		72(1913)Dec. 12	S. 407
Du Bois-Reymond, Emil	1818-1896	LdE			
Ducretet, Eugène	1844-1915	französ. Funktechniker. La Lumière Electrique		1915	
		BGG			S. 166
		<a href="http://www.bibliotheque.polytechnique.fr">www.bibliotheque.polytechnique.fr</a>			
Duddell, William du Bois	1872-1917	LdE + YBWTT		6(1918)	S. 1119
Dufay, Charles François	1698-1736	LdE + <a href="http://www.museecomunication.org">www.museecomunication.org</a>			
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	Energiekabel-Techniker.	Bull. SEV	32(1941)24	S. 680-681
Duncan, Louis	1861-1916	LdE			
Dunlop, Daniel Nicol	1868-1935	Gründer der Weltkraftkonferenz.	Bull. SEV	26(1935)16	S. 462-463
		ETZ		56(1935)31	S. 883
Dunsheath, Percy	1886-1979	Kabelingenieur und -hersteller.	IEE News	Nov. 1979	S. 4
Eastham, Melville	1885-1964	LdE			
Eccles, William Henry	1875-1966	brit. Elektrophysiker + Funkpionier (Handbook).			
		BGG		S. 171, 167, 272	S. 348-349
		ODNB			
		BMFRS		17(1971)Nov.	S. 195-214
Eckersley, Peter P.	1892-1963	LdE + YBWTT		13(1925)	S. 873
Eckersley, Thomas L.	1886-1959	LdE + YBWTT		13(1925)	S. 833-843
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			

Name	Lebens- jahre	Quelle			
Eichberg, Friedrich	1875-1941	LdE + DWF		Spalte 531	
		El. Bahn.	22(1951)2	S. 48	
Eichhorn, Gustav	1867-1954	deutsch-schweiz. Funkpionier.	YBWTT	13(1925)	S. 874
Eickemeyer, Rudolph	1831-1895	LdE			
Einstein, Jacob	1850-1912	Starkstromtechniker.			
		Münchner 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/
Eindhoven, Willem	1860-1927	LdE			
Eisenstein, Simon		russ. Armeefunk-Pionier (Variometer).	BGG		S. 229
		YBWTT		9(1921)	S. 1280
Eisler, Paul	1907-1992	LdE			
Elliot, George	1815-1893	engl. Telegraphenkabel-Techniker.	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	US-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			
Erlwein, Georg	1863-1945	Glühlampen- + Elektrochemiker (S & H).			
		ETZ (80 Jahre am 20.05.)		64(1943)21/22	S. 309
		NDB		4(1959)	S. 597
Erskine-Murray, James R.	1868-1927	brit. Flugzeug-Funkpionier.	YBWTT	13(1925)	S. 874
		Nature		119(1927)March 5	S. 361
		Autor: Handbook of Wireless Telegraphy		1907	
Esau, Abraham	1884-1955	LdE + ETZ-A		76(1955)11	S. 447
		FTZ		8(1955)6	S. 351
		RWTH			S. 194
Espenschied, Lloyd	1889-1986	US-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			
Fallou, 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			
Faßbender, Friedrich	1894-1958	Fernmeldetechniker (TBNZ GmbH).	ETZ-A	79(1958)5	S. 167
Fassbender, Heinrich	1884-1970	Hochfrequenztechniker (Ortung).	ETZ-A	91(1970)2	S. 126
Faure, Camille A.	1840-1898	französ. Elektrochemiker.	EH-ETD	1898	S. XXXVII
Fein, Berthold		Elektro-Werkzeuge-Fabrikant.	ETZ	46(1925)33	S. 1247

Name	Lebens- jahre	Quelle			
Fein, Emil	1870-1920	(im LdE: Vater Wilhelm Emil F.)	E u. M	39(1921)9	S. 109
Fein, Wilhelm Emil	1842-1898	LdE			
Feldmann, Clarence	1867-1941	LdE + E u. M		55(1937)28	S. 344
Feldtkeller, Richard E. F.	1901-1981	LdE + RWTH			S. 45
Ferranti, Sebastian Ziani de	1864-1930	LdE + Ridding, A.: Science Museum Booklet.		London 1964	
Ferraris, Galileo	1847-1897	LdE + Proc. IEEE		89(2001)5	S. 790-792
Ferrié, Gustave Aug.	1868-1932	LdE + Grd.Lar. YBWTT		Tome quatrième 13(1925)	S. 874
Fessenden, Reginald A.	1866-1932	LdE + Proc. IEEE		84(1996)12	S. 1852-1853
Fettweis, Rudolf	1882-1956	LdE			
Feuerlein, Otto	1863-1930	Glühlampen-- + Sicherheitstechniker (S & H). Internet wikipedia El. K. u. B.			20.02.2011 S. 400
Feyerabend, Ernst	1867-1943	Fernmeldetechniker (Reichspost).	ETZ	64(1943)45/46	S. 616
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, Alfred	1932-1980	Hochspannungstechniker. Mittlg Univ Stuttgart		1980	
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.	El.wi.sch.	62(1963)23 69(1970)21	S. 898 S. 591
Flegler, Eugen	1897-1981	LdE + RWTH			S. 192-193
Fleischer, Horst	1913-1978	Nachrichtentechniker, VDE-Generalsekretär. ETZ-A El.wi.sch.		99(1978)3 77(1978)5	S. 174 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			
Forster, Eric O.	1918-1993	US-Hochspannungstechniker. IEEE El. Insul. Magazine		10(1994)1	S. 4-5
Fortescue, Cecil Lewis	1881-1949	brit. Elektrophysiker (Röhren).	YBWTT	13(1925)	S. 875

Name	Lebens- jahre	Quelle		
Fortescue, Charles L. G.	1876-1936	LdE + Proc. IEEE	86(1998)5	S. 1020-1021
Foster, Ronald Martin	1896-1944	US-Zweipoltheoretiker der Firma 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
France, Henry George de	1911-1986	franz. Nachrichtentechniker (SECAM-Erfinder).		
		Internet wikipedia		08.03.2011
Frank, Gábor (Gabriel)		ungar. Erfinder (Röntgen-Tomograf).	???	
Frank, Paul M.	1934-2005	Regelungstechniker (Prof. Univ. Duisburg).		
		at - Automatisierungstechnik	25(2006)6	S. 305-306
Franke, Adolf L. C. G. H.	1865-1940	LdE + Siemens-Ztschr.	20(1940)Nov/Dez.	S. 267-268
Franke, Rudolf	1870-1962	Fernmeldetechniker (1. Lehrstuhlinhaber). NTZ	13(1960)7	S. 361-362
		wikipedia	07.02.2011	
Franken, Herbert	1893-1982	LdE		
Franklin, Benjamin	1706-1790	LdE		
Franklin, Charles Samuel	1879-1964	LdE + YBWT	13(1925)	S. 875
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	Konstrukteur elektrischer 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	französ. 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
Funk, Gernot	1925-	Energietechniker (Prof. TU Hannover).		
		ETZ (70. Geburtstag am 26.12.)	116(1995)1	S. 41
Gaa, Carlos	1871-1925	LdE		
Gábor, Dénés	1900-1979	LdE		
Gänger, Berthold	1912-1997	LdE		
Gärtner, Rudolf	1913-	Hochspannungstechniker (TU Berlin).		
		ETZ-A (65 Jahre alt)	99(1978)2	S. 524
Galvani, Luigi	1737-1798	LdE		
Ganzenmüller, Albert	1905-1996	Antriebstechniker, Eisenbahnpolitiker. El. Bahn.	18(1942)6	S. 115
		wikipedia	07.02.2011	
Garbe, Heinrich	1858-1943	Elektroindustrieller (Lahmeyer). ETZ	64(1943)45/46	S. 616
Gaster, Leon	1872-1928	Beleuchtungstechniker. Bull. SEV	19(1928)4	S. 146
		The Illuminating Engineer, London	21(1928)1	
Gaulard, Lucien	1850-1888	LdE		

Name	Lebens- jahre	Quelle		
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
		ETZ-B (60. Geburtstag am 15.5.)	7(1955)6	S. 236
Geitel, Hans	1855-1923	LdE		
Genest, Wilhelm L. W.	1850-1920	LdE		
Gerdien, Hans	1877-1951	LdE		
Gernsback, Hugo	1884-1967	US-Amateurfunk- + Radiopionier.		
		Journ. of Radio Studies	9(2002)2	S. 265-281
Gibbs, John Dixon	1834-1912	engl. Starkstromtechniker (Sekundärgenerator).		
		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		
Giloj, Wolfgang	1929-2009	Regelungstechniker + Informatiker.		
		Berlin TU Intern Nr. 7-9	Juli 2009	S. 10
		NTZ (VDI-Ehrenring)	20(1967)12	S. 743-744
Giorgi, Giovanni	1871-1950	LdE + l'Ettrotecnica	38(1951)5	S. 214-218
Girardeau, Emile	1882-1970	franz. Hochfrequenz-Maschinenbauer. YBWTT	13(1925)	S. 875
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.	hier: S. 15
Goldmark, Péter Károly	1906-1977	US-ungar. Erfinder (Langspiel-Schallplatte).	???	
Goldschmidt, Robert	1902-	Nachrichtentechniker.		
		Biograph. Handbuch deutschspr. Emigration nach 1933	Bd. 2(1983)	
Goldschmidt, Robert Bened.	1877-1935	belg. Funk-Wissenschaftler. YBWTT	13(1925)	S. 734
		Internet www.radiopassion.be		
Goldschmidt, Rudolf	1876-1950	LdE + YBWTT	9(1921)	S. 1283
Goldsmith, Alfred N.	1888-1974	US-Radiopionier. YBWTT	13(1925)	S. 875
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	1870-1954	Nachrichtentechniker (S&H). ZFWG	11(1930)4	S. 64
		DBE	4(2006)	S. 77
		RHdDG	Band 2	S. 576-577
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

Name	Lebens- jahre	Quelle		
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, Andrew	1873-	brit. Nachrichtentechniker (Marconi). YBWTT	13(1925)	S. 876
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
Gross, Bernhard	1905-2002	LdE		
Großkopf, Jürgen	1905-1971	Nachrichtentechniker (FMTZA Darmstadt).		
		Funk-Technik	26(1971)18	S. 678
Grossmann, Gustav	1878-1957	ungar.-deutscher Nachrichtentechniker (Röntgen-Tomograf bei Siemens-Reiniger-Werke)	???	
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		
<b>H</b> abann, Erich	1892-1968	Elektrophysiker +Hochfrequenztechniker. ETZ	44(1923)24	S. 732-733
		NTZ	21(1968)5	S. 302
		Rundfunktechnische Mitteilungen	12(1968)4	S. 196
Hackethal, 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
		ETZ	63(1942)43/44	S. 526

Name	Lebens- jahre	Quelle			
Hahnemann, Walter	1879-1944	Hochfrequenztechniker (C. Lorenz AG).	ETZ	65(1944)17/18	S. 177
Hall, Edwin Herbert	1855-1938	LdE			
Hallwachs, Wilhelm F. L.	1859-1922	LdE			
Halske, Johann Georg	1814-1890	LdE			
Hamburger, Erna	1911-1988	schweiz. Elektronik-Professorin.	Bull. SEV	79(1988)15	S. 951
Hamilton, Sir William R.	1805-1865	irischer Mathematiker + Regelungstheoretiker. G.W.			S. 201
Hammond, John Hays Jr.	1888-1965	US-Funk-Fernlenkung-Pionier. Dandola, John: Living in the past, Looking to the future. Quincannon Publishing Group Glen Ridge NJ 2004	Ho	Chapter XVI/9 2004	265 S.
Hammond, Robert	1850-1915	engl. Beleuchtungstechniker. Dictionary of business biography	EH-ETD	1907 3(1985)	S. LVI
Hanaman, Franz	1878-1941	Elektrochemiker (Wolframlampe).		???	
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			
Hazeltine, Louis Alan	1886-1964	US-Radiotechniker (Neutrodyne). Encyclopaedia Britannica Online 2010		18 Dec. 2010	
Heaphy, Musgrave	1843-1910	engl. Sicherheitstechniker (Phoenix Rules). Mellanby, John: The History of Electric Wiring. MacDonald London 1957		244 S.	hier: S. 45
Heaviside, Oliver	1850-1925	LdE			
Hebel, Martin	1895-1968	Nachrichtentechniker (Post).	NTZ	22(1969)1	S. 62
Hefner-Alteneck, Friedr. v.	1845-1904	LdE + El.W.		31(1898)95	S. 174
Heidmann, Léon	1892-1967	belg. Antriebstechniker (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. Münchener Stadtanzeiger vom 24.11.1994 Isar-Amperwerke-Festschrift	ETZ	(1927) Nr. 47	S. 450 S. 20
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. (TH 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			

Name	Lebens- jahre	Quelle		
Henley, William Thomas	1813-1882	LdE		
Henning, Hans	1912-1996	Automatisierungstechniker (SSW). RWTH		S. 210
Henry, Joseph	1797-1878	LdE		
Hering, Carl	1860-1926	US-Stromkreisberechner (Pinch-Effekt).		
		DAB	8(1932)	S. 574-575
Hérout, Paul L. T.	1863-1914	LdE		
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	1858-1942	Schwachstromtechniker (S&H). ZFWG	4(1923)7	S. 78
		ETZ (70. Geburtstag am 17.11.)	49(1928.II)46	S. 1696
		BJ	Teil I	S. 303
			Teil II	S. P11
		RHdDG	Band I	S. 741
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		
Hilliard, John Dunlap		US-Energietechniker (General Electric, Schalter-Löschkammer).		
		VM		S. 161
		Patent	DRP 211074	12.05.1908
Hipp, Matthäus	1813-1893	LdE		
Hirschmann, Richard	1894-1974	Antennenkonstrukteur. ETZ-A	80(1959)20	S. 740
		Universität Stuttgart – Reden und Aufsätze	(1970)36	S. 59-63
		Funk-Technik (75 Jahre)	24(1969)14	S. 529
		wikipedia (Internet)		23.02.2011
Hirst, Hugo	1863-1943	LdE		
Hittorf, Johann Wilhelm	1824-1914	LdE		
Hjort, Sören	1801-1870	LdE		
Hobart, Henry Metcalf	1868-1946	LdE		
Hocheneegg, Karl	1860-1942	LdE		
Hochrainer, August	1906-1972	LdE + E u. M	89 (1972)7	S. 309
		RWTH		S. 208-209
Höchstädter, Martin	1883-1973	LdE		
Hofmann, August	1880-1953	Schalterkonstrukteur (Concordia). ETZ-A	75(1954)1	S. 31
Hollerith, Herman	1860-1929	LdE		
Holm, Ragnar	1879-1970	LdE		
Holtz, Wilhelm	1836-1913	LdE		
Holzwarth, Herbert	1914-	Nachrichtentechniker (Siemens AG).		
		Frequenz	38(1984)12	S. 317
Hopkinson, John	1849-1898	LdE + Proc. IEEE	86(1998)6	S. 1808-1809
		Proc. IEEE	88(2000)9	S. 1519-1521
Hoppe, Edmund	1854-1928	LdE		

Name	Lebens- jahre	Quelle		
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
Howe, George Walter O.	1875-1960	engl. Nachrichten- und Messtechniker.	Nature	189(1961)4750 S. 183-184
		YBWTT		13(1925) S. 877
Huber-Stockar, Emil	1865-1939	LdE + Elektrische Bahnen		15(1939)7 S. 198
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.	1877-1939	Firmengründer für Funktelegraphie + Telefonie über Hochspannungsleitungen, Berlin.		
				brit. Patent 148 824 April 26, 1919
				BGG S. 187-188 S. 330
Ibuka, Masaru	1908-1997	LdE		
Ieda, Masayuki	1925-1999	jap. Isoliertechniker.	<a href="http://eina.ws/no6/old.htm">http://eina.ws/no6/old.htm</a>	(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		
Itersen, Johann Christoph van	1873-1919	niederl. Marine-Nachrichtentechniker.	YBWTT	8(1920) S. 1100
Jablotschkow, Pawel N.	1847-1894	LdE + ETZ		15(1894)16 S. 226
		ETZ		48(1927)30 S. 1087
Jackson, Henry	1855-1929	brit. Pionier der Schiffstelegrafie.	BGG	S. 68-69
		Internet + YBWTT		13(1925) S. 877
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
Johannsen, Hans Rudolf	1903-1995	Elektrotechnikgeschichtler (Normen).	ETZ	116(1995)11 S. 40
Johnston, A. Langstaff	1850-1901	US-Antriebstechniker (Eisenbahn).	El.W.	37(1901)21 S. 870
Jones, Brian	1939-1980	engl. Hochspannungstechniker.	CEGB-Mittlg.	

Name	Lebens- jahre	Quelle		
Jordan, Friedrich	1850-1914	LdE		
Jordan, Hans	1875-	AEG-Forscher (Magnetwerkstoffe). ETZ-A	76(1955)12	S. 448
		ETZ (25 Jahre bei AEG)	57(1936)36	S. 1047
		AEÜ (80. Geburtstag am 06. Juni)	9(1955)6	S. 291
		FTZ (80. Geburtstag)	8(1955)6	S. 351
Jordan, Heinz Robert	1906-1982	LdE		
Joule, James Prescott	1818-1889	LdE		
Jud, Peter Abraham	1893-1980	LdE		
Julien, Edmond	-1894	belg. Energietechniker (Elektrofahrzeuge). ETZ	15(1894)33	S. 455
		New York Times	10. Nov. 1886	
Jungner, Valdemar	1869-1924	LdE		
Just, Alexander	1874-1937	österr.-ungar. Elektrochemiker + Glühlampen- Erfinder (Wolframlampe).		
		Mittlg. von Dr. S. Jeszenszky, Budapest	15. Sept. 2010	
Kade, Friedrich	1879-1960	Elektromaschinenbauer (BBC). ETZ-A	82(1961)5	S. 159
Kaden, Heinrich	1902-1992	Hochfrequenztechniker (S & H) ETZ-B	10(1958)11	S. 445
Kadrnozka, 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	japan. Nachrichtentechniker.		
Kegel, Kurt	1913-2003	Elektrowärmetechniker. RWTH		S. 209
Keil, Albert	1907-	Maschinenbauer (Kontakt+Schalterwerkstoffe).		
		vde-mittelbaden@t-online.de		
Keithley, Joseph F.	1915-1999	LdE		
Kelly, John Forrest	1859-1922	Elektrochemiker, Starkstromtechniker. W.S.		S. 578
Kelly, Mervin L.	1894-1971	Vakuumröhren-Techniker. Proc.IEEE	82(1994)11	S. 1766
Kelman, J. N.		US-Energietechniker (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
		YBWTT	13(1925)	S. 878
Kerr, John	1824-1907	LdE		
Kerr, Walter Craig	1858-1910	Westinghouse-Ingenieur. W.S.		S. 573

Name	Lebens- jahre	Quelle		
		DAB	10(1933)	S. 357-358
Kersten, Martin	1906-1999	LdE		
Kesselring, Fritz	1897-1977	LdE		
Kessler, Gerhart	1914-1998	Antriebstechniker (TU München). TUM-Mitt.	(1993/94)3	S. 42-43
		at - Automatisierungstechnik (75 Jahre)	37(1989)1	S. 36-37
		ETZ (80 Jahre)	115(1994)7	S. 440
Kilby, Jack St. Clair	1923-2005	LdE		
Kind, Dieter	1929-	Hochspannungstechniker (Flächengesetz) (Neffe von: Kind, Herbert). TUM-Mitt.	(1993/94)3	S. 11-12
Kind, Herbert	1889-1980	LdE + ETZ-A	76(1955)24	S. 886
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 Eduard.	1868-1926	LdE		
Klaudy, Peter	1903-1985	LdE		
Kleinow, Walter	1880-1944	Elektrolokomotiven-Konstrukteur (AEG). ETZ	65(1944)23/24	S. 247
		El. Bahn. (60 Jahre am 7. Juli)	16(1940)6	S. 88
		El. Bahn.	20(1944)7/9	S. 111
		HELIOS	46(1940.I)26	S. 632
Kleinschmidt, Edward E.	1875-1977	LdE		
Kleist, Ewald Jürgen G. von	1700-1748	LdE		
Klewe, Hans Robert Julius	1893-	deutsch-engl. Nachrichtentechniker, Postdirektor (elektromagnetische Beeinflussungen).		
		ETZ-A (70 Jahre am 16.03.)	84(1963)6	S. 210
		El.wi.sch. (80 Jahre)	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	Chief-Engineer (GE). The New York Times	17.07.1946	S. 23
Koch, Franz Joseph	1872-1941	LdE + El.wi.sch.	53(1954)19	S. 618
Koch, Walther	1891-1978	Schutz- und Erdungstechniker. ETZ	100(1979)5	S. 254
Koepchen, Arthur	1878-1954	LdE + Horstmann, Theo: Strom für Europa. RWE Essen 2003	284 S.	hier: 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 + BJ	Teil II	S. P13-P14
Kohl, Max	1853-1908	LdE		
Kohlrausch, Friedrich W. G.	1840-1910	LdE		

Name	Lebens- jahre	Quelle		
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
		ETZ	53(1932.II)43,	S.1047
Kompfner, Rudolf	1909-1977	Elektrophysiker (Wanderfeldröhre). Proc.IEEE	85(1997)2	S. 340-341
Koppelman, Floris	1903-1995	LdE		
Korda, Désiré	1864-1919	LdE		
Korn, Arthur	1870-1945	LdE + YBWTT	13(1925)	S. 878
Kosack, Emil	1875-1953	LdE		
Kovacs, Károly P.	1907-1989	LdE		
Kozisek, Jaroslav	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
Kramar, Ernst	1902-1978	Nachrichtentechniker (Radar). Funk-Technik	24(1969)6	S. 204
		AEÜ	32(1978)12	S. 492
Kramer, August Ephraim	1817-1885	LdE		
Krarup, Carl Emil	1872-1909	LdE		
Krarup, Thure Frederik	1868-1928	dän. Energie- und Funktechniker und -politiker.		
		Ingeniören	1928	S. 596
		YBWTT	13(1925)	S. 879
Kravogl, Johann	1823-1889	LdE		
Kremenezky, Johann	1850-1934	LdE		
Kriechbaum, Karl	1928-	Hochspannungstechniker (AEG Kassel).		
		ETZ-A (50 Jahre am 16.04.)	99(1978)7	S. 464
Krizik, Franz	1847-1941	LdE + ETZ	53(1932.II)31	S. 757
Kröttlinger, Franz S.	1856-1907	LdE		
Krug, Karl Adolfowitsch	1873-1952	LdE		
Krukowski, Waldemar von	1887-1941	Zählerkonstrukteur (SSW). Polski Index	F.267	426-432
Krzyszczanowski, Gleb M.	1872-1959	LdE		
Kucera, Jaroslav	1893-1972	Elektromaschinenbauer. E u. M	89(1972)7	S. 309
Kübler, Erwin	1901-1962	Elektromaschinenbauer (Prof. TH Braunschweig).		
		ETZ-A	83(1962)17	S. 571
Kübler, Wilhelm	1873-1919	LdE		
Küch, Richard	1860-1915	LdE		
Küchler, Rudolf	1893-1966	Transformatorenfachmann, Chefelektriker der AEG-Fabrik Stuttgart 1956.		
		El.wi.sch.	62(1963)18	S. 719
		ETZ-B	18(1966)25	S. 983
Kühn, Ludwig	1874-1962	Funktechniker + Telefon-Erfinder (Telefunken).		
		YBWTT	9(1921)	S. 1157
		Funk-Technik	17(1962)16	S. 530
		GvA		S. 171
Küpfmüller, Karl	1897-1977	LdE + ETZ-A	99(1978)1	S. 60
		RWTH		S. 44-45
Kuhlmann, Karl	1877-1963	LdE		

Name	Lebens- jahre	Quelle		
Kuhlo, Ernst	1843-1923	Energietechniker (Fernwirktechnik). ETZ	44(1923)4	S. 205
		Kirchner, D.: Ein Pionier der Elektrotechnik in Stettin.	Stettiner Heft 7	
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		
Labour, Edouard	1864-1928	franz. Energietechnikpionier (Normung). R.G.E.	26(1929)5	S. 162-164
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		
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	Energietechnikerin (Schwester 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-	belg.-französ. Elektromaschinenbauer, Chef-Ingenieur (Merlin et Gérin).		
		BGG	S. 92	S. 231, 272
		Ind. él.	40(1931)930	S. 131-133
		YBWTT	13(1925)	S. 879
Lebedew, Pjotr Nikolajew.	1866-1912	LdE		
Leblanc, Maurice	1857-1923	LdE		
Lebrecht, Ludwig	1895-	HGÜ-Leistungselektroniker. etzArchiv	7(1985)2	S. 67
		Elektrische Bahnen (65 Jahre alt)	31(1960)3	S. 72
		ETZ (95. Geb.-tag am 11. Jan.)	111(1990)4	S. 203
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

Name	Lebens- jahre	Quelle		
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		
Lepel, Egbert von	1881-1941	Hochfrequenz- und Funktechniker (Musikfunk).	Internet	
		BGG	S. 89-90	S. 167-168
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		
Leyshon, W. A. (Miss)		engl. Elektrophysikerin (Röhren). BGG		S. 267, 386
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		
Lindner, Hans-Joachim	1910-1995	Normungspionier + Glühlampenfabrikant.		
		Vakuumtechnik	24(1975)5	S. 148-149
		ETZ (85. Geburtstag am 19.06.)	116(1995)13-14	S. 50
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	Elektrophysiker (Elektronenröhren). Proc.IEEE	81(1993)11	S. 1650
Lodge, Sir Oliver J.	1851-1940	LdE		
Loeb, Leonard Bernard	1891-1978	LdE		
Loewe, Sigmund	1885-1962	LdE		
Lombardi, Luigi	1867-1958	italien. ET-Prof. in Rom. ETZ	(1931)33	S. 1073
		Bull. SEV	39(1948)15	S. 495
		YBWTT	9(1921)	S. 1288
		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		
Ludwig, Fritz (Friedrich K.)	1872-1945	Motoren- + Normungstechniker (SSW). BJ	Teil II	S. P17
Lueg, Heinz	1914-1984	Informationstechniker. RWTH		S. 206
Lüke, Hans-Dieter	1935-2005	Nachrichtentechniker. RWTH		S. 215
Lüschen, Friedrich W.	1877-1945	Nachrichtentechniker (S & H). NDB	15(1987)	S. 475-476
Lundell, Robert		US-Elektromaschinenbauer (Klauenpol- + Konstant-Spg.-Generator, assoc. AIEE-member elected Feb. 7, 1890).		
		El.W.	33(1899)16	S. 518-521
Lydall, Francis	1882-1950	LdE		

Name	Lebens- jahre	Quelle		
<b>M</b> aecker, Heinz	1913-1999	Lichtbogenphysiker. Süddeutsche Zeitung	09.04.1999	
Maier, Julius	1839-1895	LdE		
Mailloux, Cyprien O.	1861-1932	US-Elektromaschinenbauer + Verbandspolitiker.		
		ETZ	53(1932.II)46	S. 1119
Majorana, Quirino	1875-1934	italien. Nachrichtentechniker (Telefon).		
		Internet + YBWTT	2(1914)	S. 29
		BGG	S. 161, 199-200	S. 208
Malderen, Joseph van		Mitarbeiter und Nachfolger von Florise Nollet, Fa. Alliance (CNAM)		
		Higgs, P.: The Electric Light. Spon London	1879, 240 S.	S. 87
		VM, BandV: Entstehung der Dynamomaschine.	1941, 159 S.	S. 88-94
		Wolter, D. + Reuter, E.: Preis- und Handelskonzepte in der Stromwirtschaft. Dt. Univ.-Verlag Wiesbaden, 2005	311 S.	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
Marchant, Edgar Walford	1876-1962	brit. Funkpionier + Prof. in Liverpool. YBWTT	13(1925)	S. 880
Marchant, W. H.	1881-	brit. Funk-Experimentator. YBWTT	13(1925)	S. 880
Marconi, Guglielmo	1874-1937	LdE + E u. M	55(1937)33	S. 393-395
		Weightman, Gav.: Signor Marconi's Magic Box. HarperCollins London 2003	312 S.	
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		
May, Oscar	1855-1905	Sicherheitstechniker. ETZ	(1905)36	S. 345
Mayer, Emil	1885-1953	Nachrichtentechniker (Telefunken-Vorstand).		
		Telefunken-Zeitung	12(1931)59-Nov.	S. 6-7
		GvA		S. 182, 286
Mayer, Hans Ferdinand	1895-1980	LdE		
Mayr, Otto	1902-1989	LdE		
Mechau, Emil	1882-1945	LdE		
Mechwart, Andreas von	1834-1907	LdE		
MEEK, John Millar	1912-2005	LdE		
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		

Name	Lebens- jahre	Quelle		
Meister, Franz Josef	1904-1986	Elektroakustiker.	RWTH	S. 213
Melinsky, Michael Meyer		russ.-brit. Radiopionier.	BGG	S. 351
Mende, Otto H.	1885-1940	LdE		
Meng, Walter	1861-1946	LdE		
Mengarini, Guglielmo	1856-1927	italien. 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	Energie- + Messtechniker. Süddt. Ztg. Nr. 206	06.09.2004	S. 10
		ETZ-B	10(1958)11	S. 445
		at Automatisierungstechnik (80 Jahre am 25.01.)	33(1985)1	S. 32
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 in Berlin (ab 1927: AEG).		
		ETZ (60. Geb.-tag am 14. Juni)	45(1924)25	S. 668
		RHdDG	Band 2	S. 1244
		DWF		Spalte 1496
Meyer, Ulfilas	1885-1950	LdE + RWTH		S. 195-196
Meyer-Delius, Heinrich	1881-1955	LdE + ETZ-B	7(1955)9	S. 339
		El.wi.sch.	54(1955)16	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, John Milton	1882-1962	US-Radiotechniker (Miller oscillators).	Internet	
Miller, Oskar F. X. von	1855-1934	LdE		
Millikan, Robert A.	1868-1953	LdE		
Miyoshi, Shoichi	1853-1906	Isolationstechniker. IEEE El. Insul. Magazine	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		
Monath, Louis	1879-	Antriebstechniker (AEG).	El. Bahn.	20(1944)1/2 S. 57
Montanus, Georg	1850-1934	LdE		
Montenegro, Adolfo	1829-1894	italien. 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.		

Name	Lebens- jahre	Quelle		
		Süddeutsche Zeitung 04.10.1999	Nr. 229	S. 28
Morse, Samuel Finley	1791-1872	LdE		
Moser, Herbert	1898-1954	Zählerexperte (Firchow Nachf. A.G.).	ETZ-A 75(1954)1	S. 31
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	
Naderer, Georg	1877-1947	Bahnelektrofizierer.	El. Bahn. 21(1950)8	S. 199-200
Nagel, Rudolf		Hochspannungs- + Prüftechniker (Kondensator- Durchführung, SSW)	VM	S. 142-144
Naglo, Emil Ottomar	1845-1908	LdE		
Nally, Edward Julian	1859-1953	US-Radio-Industrialist (Marconi, RCA). Internet + YBWTT	13(1925)	S. 881
Natalis, Friedrich F.C.L.A.	1864-1935	LdE		
Navarro y Ortiz, D. Benito	um 1910	span. Militärfunktechniker.	YBWTT 13(1925)	S. 881
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 El.wi.sch. El.wi.sch.	21(1969)21 63(1964)22 73(1974)10	S. 508-509 S. 795 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		
Nierstrasz, H. J.	1864-1921	niederländ. Funk- und Radiopionier.	YBWTT 9(1921)	S. 1302
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.		

Name	Lebens- jahre	Quelle		
		Jahrbuch der Bayer. Akademie der Wissensch.	1970	S. 225-227
Northrup, Edwin Fitch	1866-1940	LdE		
Norton, Edward L.	1898-1983	US-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		
<b>O</b> benaus, Fritz	1904-1980	LdE		
Oberdorfer, Günther	1899-1989	LdE		
Oeding, Dietrich	1928-	Energietechniker. etzArchiv	10(1988)10	S. 335
Oelschläger, Ernst	1862-1941	Starkstromtechniker (Blitzschutz, S & H).		
		VM		S. 37
		Siemens-Zeitschrift	21(1941)3	S. 132-133
Oerstedt, Hans Chr.	1777-1851	LdE		
Oetker, Rudolf	1903-1991	Regelungstechniker (65 Jahre am 24.08.). ETZ-B	20(1968)17	S. 488
		rt - Regelungstechnik (80 Jahre)	31(1983)8	S. 247-248
		at - Automatisierungstechnik	40(1992)1	S. 41
Ohm, Georg Simon	1789-1854	LdE		
Okolicsányi, Ferenc	1894-1954	ungar.-brit. Fernseh-Erfinder (Spiegelschraube).	???	
Oliven, Oskar	1870-1939	LdE		
Olivetti, Camillo	1868-1943	italien. Nachrichtentechniker (Schreibmaschine).		
		Internet		08.03.2011
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
Orling, Axel	1870-	schwed. Funkpionier und –erfinder. BGG		S. 113, 117
Osnos, Mendel	1867-1938	Elektromaschinenbauer (*15.05.1867).		
		Internet + 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		
<b>P</b> 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.

Name	Lebens- jahre	Quelle			
Panzerbieter, Hans	1906-	S&H-Zentrallaboratoriums-Leiter.	El.wi.sch.	63(1964)22	S. 795-796
Panzerbieter, Theodor	1872-1940	SSW-Schaltanlagenbauer.	ETZ	69(1940)35	S. 815
Papaleksi, Nikolai Dmitriew.	1880-1947	LdE			
Papst, Hermann	1902-1981	LdE			
Parodi, Hyppolyte	1874-1960	französ. Bahnelektifizierer.	El. Bahn.	21(1950)7	S. 176
		<a href="http://archivchemindefer.free.fr/electrification/">http://archivchemindefer.free.fr/electrification/</a>		07.02.2011	
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			
Pearson, John		US-Energietechniker (Parallelschaltung).	VM		S. 110-111
		Patent		DRP 137793	16.10.1901
Pedersen, Aage	1921-1995	LdE			
Pedersen, Peder Oluf	1874-1934	dän. Funkpionier (Poulsen-System).	YBWTT	13(1925)	S. 882
		JBDTT		44(1934)	S. 1-2
		Dansk Biografisk Leksikon		18(1940)	S. 121-127
Peek, Frank. W. jr.	1881-1933	LdE			
Peltier, Jean Charles A.	1785-1845	LdE			
Perls, Paul Heinrich	1871-1942	Installationstechniker (AEG, SSW) + Verbands- Politiker.	BJ	Teil II	S. P19-P20
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)
Petrie, William	1821-1908	LdE			
Petropoulos, Georgios M.	1909-1963	griech. Energie- und Hochspannungstechniker.			
		Nature		199(1963)Aug.31	S. 852
		ETZ-A		84(1963)23	S. 770
		Brit. Journal Appl. Physics		15(1964)	S. 169-176
Peukert, Wilhelm	1855-1932	LdE			
Peyrusson, Edouard	1841?- 1909?	französ. Elektrochemiker (Schalter-Isolier.).	VM		S. 174-175
		Patente: US 649 614, DRP 87338 + 112113		DRP 218399	08.12.1908
Pfannkuch, Wilhelm	1879-1934	Kabel- + Netzschutztechniker (AEG).	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 + YBWTT		13(1925)	S. 882
Pierce, George W.	1872-1956	LdE			
Pierce, John Robinson	1910-2002	US-Nachrichtentechniker (Transistor).		Internet	
		Biographical encyclopedia of scientists		1994	

Name	Lebens- jahre	Quelle		
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
Pirung, 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 + JBDDT	6(11912)2	S. 109-113
Pol, Balthasar van der	1889-1959	niederl. Nachrichtentechniker (Prof., Philips).		
		Internet + Wireless World	65(1959)11	S. 489
Poliwanow, Konstantin M.	1904-1983	LdE		
Pollák, Antal	1865-1943	ungar. Telegraphen-Pionier (Schnelltelegraf).		
Pollak, Karl (Charles) F.	1859-	LdE		
		Patente: US 628 676, Eng. 932(1898)	DRP 94 004	(1896)
Pommer, Kurt	1904-1993	LdE		
Poncelet, F.		belg. (?) Funkpionier (Kohärer).		
		Righi+Dessau: Die Telegraphie ohne Draht 1907	/2001 A 5687/	S. 457
Pope, Franklin Leonard	1840-1895	LdE		
Popow, Alexander Stepan.	1859-1905	LdE + JBDDT	26(1925)	S. 1-3
Popper, Josef	1838-1921	LdE		
Poschenrieder, Werner	1924-	Nachrichtentechniker (Siemens AG).	Siemens-Archiv	
		Frequenz	39(1984)1	S. 19
		ETZ (65. Geb.-tag am 07.02)	110(1989)6/7	S. 342
Potier, Alfred	1840-1905	LdE		
Potter, William Bancroft	1863-1934	LdE		
Pouard, Michel	1926-1978	französ. Energietechniker. Electra	66(1978)	S. 135-136
Poulsen, Valdemar	1869-1942	LdE + ETZ	63(1942)35/36	S. 427
		JBDDT	41(1933)	S. 113-115
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

Name	Lebens- jahre	Quelle		
		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		
Probst, Heinrich	1872-1952	Schaltanlagenbauer (AEG). ETZ-A	73(1952)8	S. 278
		ETZ	57(1936)11	S. 320
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
Puskás, Tivadar (Theodor)	1844-1893	ungar. Telefon-Pionier (Drahtrundspruch).	???	
<b>R</b> achel, Alfred	1887-1959	Kraftwerksbauer (Normung, AEG). NDB	21(2003)	S. 77
Radley, Sir William Gordon	1898-1970	brit. Nachrichtentechniker (Marconi), GPO Director General. NTZ	15(1962)1	S. 55
Raether, Heinz	1909-1986	Elektrophysiker (Elektronenlawine). IEEE Trans. on Electr. Insulation	24(1989)2	S. 334
Ramsauer, Carl	1879-1955	Physiker + 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		
Raworth, John S.	1846-1917	engl. Energietechniker (Wasserschalter). VM		S. 55
		Internet: IET Archives Biographies		24.02.2011
		EH-ETD	1907	S. XC-XCI
Rawcliffe, Gordon Hindle	1910-1979	LdE + IEE-News	1979(Nov.)	S. 4
Raymund, Hellmuth	1901-1968	Antriebstechniker. RWTH		S. 199-200
Reeves, Alec Harley	1902-1971	brit. Nachrichtentechniker (Puls-Code-Modulat.)		
		Wireless World	71(1965)10	S. 490
		Funk-Technik	26(1971)22	S. 830
Reichel, E. B. Walter	1867-1937	LdE		
Reinartz, John L.	1894-1964	US-Funkpionier. BGG	S. 262	S. 282-283
		Internet <a href="http://www.k6bj.org/Club_History">http://www.k6bj.org/Club_History</a>		17.10.2010
Reis, J. Philipp	1834-1874	LdE		
Reisner, Heinrich	1881-1969	Wirtschaftstechniker. RWTH		S. 197
Reißer, Paul Dr. h.c.	1843- um 1919	erste Zentrale in Stuttgart 1882.		
		Leiner, W.: Anfang und Grundlagen der Elektrizitätsversorgung in Württemberg.	U Stuttgart 1977	Dissertation
Reisz, Eugen	1879-1957	LdE + BGG		S. 241-242
Remané, Hermann	1864-1932	LdE		
Rendahl, Ragnar R.	1878-1929	Nachrichtentechniker. Telefunken-Zeitung	11(1930)54	S. 73-74
Reynolds, Edward H.	1915-1978	engl. Kabeltechniker. Electra	66(1978)	S. 137-138
Rhein, Eduard	1900-1993	LdE		
Reyrolle, Alphonse F.	1864-1919	brit. Schaltanlagenbauer. El. Rev. L	84(1919)	S. 270
		Electrician	82(1919)	S. 268

Name	Lebens- jahre	Quelle		
Riccius, Edgar	1934-1999	Elektromaschinenbauer (TU München).		
		Süddeutsche Zeitung	(1999) Nr. 273	S. 22
Richter, Rudolf	1877-1957	LdE + ETZ-A	78(1957)24	S. 908-909
Ricks, Albert	um 1900	Akkumulatoren-Erfinder (Berlin).		
		Electrical Review London	50(1902)1269	S. 490-491
		Patente: US 685 797, Engl. 10974(1900)	DRP 116470	
Righi, Augusto	1850-1920	LdE + Radio-Umschau	4(1927)35	S. 546-548
Rißmüller, Karl	1896-1942	Kraftwerkstechniker (SSW). Siemens-Ztschr.	22(1942)3	S. 105
		El. Bahn.	18(1942)8	S. 180
		ETZ	63(1942)32/32	S. 361
Ritchie, William	1790-1837	LdE		
Ritter, Johann Wilhelm	1776-1810	LdE		
Ritz, Hans	1902-1971	LdE		
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	französ. Starkstromtechniker. R.G.E.	46(1939)5	S. 131-134
Rothert, Gerhard	1899-1967	Nachrichtentechniker (TU Berlin). ETZ-B	19(1967)24	S. 706
Rotth, August	1854-1929	LdE		
Round, Henry Joseph	1881-1966	LdE + YBWTT	13(1925)	S. 825-828
Rüdenberg, Reinhold	1883-1961	LdE + El.wi.sch.	61(1962)6	S. 183
Rühmer, Ernst	1878-1913	Elektrophysiker. Ztschr. f. Feinmechanik	1913	S. 92
		BGG		S. 186
Rühmkorff, Heinrich Daniel	1803-1877	LdE + Deutsche Mechaniker-Zeitung	1903, Nr. 2	S. 9-10
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	brit. 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		

Name	Lebens- jahre	Quelle		
Saiki, Mitsuru		japan. Nachrichtentechniker (Teppuri-Detektor).		
		BGG		S. 78, 89
		The Electrician	65(1910)23-Sep.16	S. 940-944
Salvá y Campillo, Francisco	1751-1828	LdE		
Samuel, Arthur L.	1901-1990	US-Informatiker. Proc. IEEE	82(1994)10	S. 1766
		IEEE Annals of the History of Computation	14(1992)3	S. 55-69
Santuari, Emilio	1887-1969	italien. Energietechniker. l'Ettrotecnica	57(1970)	S. 56
Sarnoff, David	1891-1971	US-Rundfunkpionier. YBWTT	13(1925)	S. 884
Sartori, Giuseppe	1862-1937	italien. Energietechniker. l'Ettrotecnica	24(1937)13	S. 414-420
Sartorius, Hans	1913-2005	Regelungstechniker. at Automatisierungstechnik	53(2005)8	S. 411
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	Nachrichtentechniker (Telefunken). GvA		S. 181-183
		ETZ	52(1931.I)4	S. 126
Schelkunoff, Sergei A.	1897-1992	US-Nachrichtentechniker. Proc. IEEE	84(1996)9	S. 1344
Scherbius, Arthur	1878-1929	LdE		
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.	<a href="http://slb.com">http://slb.com</a>	09.12.2006
Schmid, Albert	um 1880-	US-schweiz. Elektromaschinenbauer (mit Tesla bei Westinghouse/Pittsburgh, AIEE-member 1895).		
		Proc. IEEE	83(1995)11	S. 1594
		US-Patent 417,794	Dec. 24, 1889	
Schmidt, Georg	1867-1927	Fernmeldetechniker (S & H). ZFWG	8(1927)12	S. 192
		ETZ	48(1927.II)48	S. 1783-1784
Schmidt, G.-A. H. Hermann	1894-1968	LdE		
Schmidt, Karl	1885-1959	Nachrichtentechniker (Maschinensender der C.Lorenz AG). Funkschau	23(1951)17	S. 328-329
		Günther, Hanns: Pioniere der Radiotechnik. Dieck&Co. Stuttgart 1926	80 S.	hier: S. 58-60
		ETZ	53(1932.I)2	S. 46
Schmidt, Karl	1875-1941	Schiffbau-Elektrotechniker (AEG). ETZ	62(1941)23	S. 532
Schmitz, Ludwig	1892-1978	LdE		
Schmitz, Tom	1885-1966	LdE		
Schmolz, Adolf	1890-1950	Elektrizitätswirtschaftler. El.wi.sch.	49(1950)6	S. 195
		ETZ-A	71(1950)11	S. 297
Schneider, Ferdinand	1866-1955	LdE		
Schnetzler, Karl	1876-1950	Energietechniker (BBC Mannheim).		

Name	Lebens- jahre	Quelle		
		El. Bahn.	20(1944)1/2	S. 30
		BBC-Nachrichten (Mannheim)	(1950)2	S. 98
		Peter, Roland: Rüstungspolitik in Baden. Oldenbourg München 1995, 405 S.		hier: S. 404
Schniewindt, Fritz	1874-1928	Geräte-Fabrikant, Erfinder (Widerstände). ETZ	25(1904)12	S. 236
		150 Jahre Schniewindt KG (Festschrift)	1979	44 S.
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-Gerh.	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		
Schuurmann, J. J. Elink	1883-1932	BBC-Antriebstechniker.               Bull. SEV	23(1932)19	S. 510
Schuy, Stefan	1928-1988	österreich. Elektromediziner.       e & i	105(1988)10	S. 484
Schwaiger, Anton	1879-1954	LdE		
Schwarz, Benno	1897-1965	LdE		
Schwarz, Hermann	1908-1995	LdE		
Schweiggeger, Johann S.Chr.	1779-1857	LdE		
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		
Scott-Taggart, John	1897-1979	brit. Funkpionier (Empfänger-Schaltkreis). BGG		S. 273, 392
		Internet + YBWTT	13(1925)	S. 885
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

Name	Lebens- jahre	Quelle		
		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	Elektroakustiker (Kopfhörer). Süddt. Ztg. 114	20.05.2010	S. 18
Sequenz, Heinrich	1895-1987	LdE		
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	engl. Telegraphentechniker.		
		Electrical Engineer L	8(1889)April	S. 192
Shida, Rinzaburo	1856-1892	japan. Nachrichtentechnik-Pionier.		
		The Japan Society: Britain&Japan: Biographical Portraits.	vol. 4(2002), 489 S.	hier: S. 170
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		
Sirotinski, Leonid I.	1879-1971	LdE		
Skudelny, Hans-Christoph	1932-1994	Leistungselektroniker. ETEP	4(1994)5	S. 433
		RWTH		S. 211
Slaby, Adolf	1849-1913	LdE + STG		S. 467
Slamecka, Ernst	1920-2006	Hochspannungs-Schalterspezialist. e & i	123(2006)9	S. a42
Slawjanow, Nikolai Gawr.	1854-1897	LdE		
Sliskovic, Josef Anton	1902-1984	LdE		
Smith, Oberlin	1840-1926	LdE		
Smith, Willoughby	1828-1891	LdE + BGG		S. 35
Smith-Rose, Reginald Leslie	1894-1980	brit. Richtfunkpionier. YBWTT	13(1925)	S. 819-824
		ODNB	47(2004)	S. 767
		YBWTT	13(1925)	S. 885
Snell, Sir John Francis C.	1869-1938	LdE + YBWTT	13(1925)	S. 885-886
Soemmerring, Samuel Th.	1755-1830	LdE		
Solari, Luigi	1873-1957	italien. Normen-Pionier, Marconi-Mitarbeiter.		
		Wireless World	53(1957)3	S. 106
		YBWTT	11(1923)	S. 30
Sonnenfeld, Hugo	1886-1951	LdE		
Southworth, George C.	1890-1972	LdE		
Speiser, Ambros Paul	1922-2003	LdE		
Spenske, Eberhard	1905-1992	LdE		

Name	Lebens- jahre	Quelle		
Sperry, Elmer Ambrose	1860-1930	LdE		
Sporn, Philip	1896-1978	US-Energietechniker. <a href="http://www.ieee.org/portal/">www.ieee.org/portal/</a>		10.02.2007
Sprague, Frank Julian	1857-1934	LdE + ETZ	55(1934)48	S. 1191
		Proc. IEEE	85(1997)7	S. 1183-1184
Squier, George Owen	1865-1934	US-Nachrichtentechniker. YBWTT	13(1925)	S. 886
		BGG		S. 328
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		
Steinkamp, Jan	1936-2010	Nachrichtentechniker (Siemens). Süddeut. Ztg.	18./19.09.2010	S. 20
		Technik in Bayern (Zeitschrift)	2010, Heft 6	S. 38
		VDE dialog	2010 Nov./Dez.	S. 7
Steinmetz, Charles P.	1865-1923	LdE + ETZ	44(1923)47/48	S. 1049-1050
		IEEE Pow. Engg. Rev.	(1996)Sept.	S. 7-12
Sterzel, Kurt August	1876-1960	LdE		
Stiel, Wilhelm	1878-1936	LdE		
Stier, Friedrich	1899-1961	LdE		
Stille, Kurt	1873-1957	Nachrichtenpionier (Aufzeichnungsgeräte).	Internet	
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
		YBWTT	9(1921)	S. 1297
Stotz, Hugo	1869-1935	LdE + ETZ	56(1935)38	S. 1059
Straus, Harry Lobe	1896-1949	US-Nachrichtentechniker (Totalisator). Internet		15.01.2011
		Schmidt, John C.: Win Place Show - A Biography of Harry Straus, the Man Who Gave America the Tote. Johns Hopkins U, Baltimore	1989	137 S.
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 + YBWTT	13(1925)	S. 885-886
Sydow, Reinhold von	1851-1943	Reichspost-Jurist, Funk-Politiker. ETZ	64(1943)5/6	S. 88
		ETZ	62(1941)2	S. 25
Symmer, Robert	1707-1763	LdE		
Szilárd, Béla	1884-1926	französ.-ungar. Messtechniker (Ionoquantimeter).	???	

Name	Lebens- jahre	Quelle		
<b>T</b> äuber, Karl Paul	1867-1948	LdE		
Tait, Peter G.	1831-1901	Physiker.	ETZ	22(1901)30 S. 604
Tamura, Yasuo	1931-1993	japan. Energietechniker.	Electra	152(1994)Fevr S. 108
Tanaka, Hisashige	1799-1881	LdE		
Tank, Franz	1890-1981	Hochfrequenztechniker.	Bull. SEV	51(1960)4 S. 165-167
		NTZ (75 Jahre am 06.03.1960)		13(1960)7 S. 362
Taylor, Albert Hoyt	1879-1961	LdE		
Tedeschi, Vittorio	1860-1925	italien. Energietechniker.	l'Ettrotecnica	12(1925)8 S. 212
		Il Dizionario industriale italiano		1923
Teichmüller, Joachim J.F.H.	1866-1938	LdE		
Tellegen, Bernard D. H.	1900-1990	Nachrichtentechniker.	Proc. IEEE	91(2003)1 S. 238-239
Terman, Frederick Emm.	1900-1982	LdE		
Tesla, Nicola	1856-1943	LdE + ETZ		64(1943)5/6 S. 88
Theile, Richard	1913-1974	Fernsehetechniker.	AEÜ	28(1974)10 S. 444
Theiler, Richard	1841-1923	Zählerkonstrukteur.	Bull. SEV	64(1973)12 S. 763
Theilsiefje, Klaus	1929-	Energiewirtschaftler.	El.wi.sch.	93(1994)23 S. 1457
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	
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		
Tissot, Camille	1869-1917	französ. Funkmesstechniker (Zeit).	YBWTT	6(1918) S. 1119
		JBDTT		12(1917/18)5 S. 426
		BGG		S. 86
		R.G.E.		2(1917) S. 681
Tittel, Josef	1895-1967	LdE + E u. M		85(1968)3 S. 144
Töfflinger, Karl	1894-1963	Antriebstechniker (elektr. Bahnen).	E u. M	80(1963)10 S. 247
		ETZ-A		84(1963)8 S. 271
Toepler, August J. I.	1836-1912	LdE		
Toepler, Maximilian A.	1870-1960	LdE		
Torikata, Wichi	1883-1923	japan. Nachrichtentechniker.	YBWTT	9(1921) S. 1298
		BGG		S. 78, 86-87 S. 171
Townsend, Sir John S. E.	1868-1957	LdE		
Trendelenburg, Ferdinand	1896-1973	LdE		
Trettin, Carl	1874-1947	LdE		
Treifels, Horst von	1900-1963	Hochspannungs-Isoliertechniker.	ETZ-A	84(1963)23 S. 770
Tröger, Richard	1879-1966	LdE		

Name	Lebens- jahre	Quelle			
Trotter, Alexander Pelham	1857-1947	brit. Lichttechnik-Pionier.	IEE Proc. A	136(1989)Nov.	S. 337-340
		EH-ETD		1907	S. CXII
Trowbridge, John	1843-1923	US-Elektrophysiker.			
		Biographical Memoirs. US National Acad. Sc.		vol. XIV	Sixth
Trüb, Reinhold	1873-1932	(im LdE ist: K. P. Täuber).	Bull. SEV	23(1932)19	S. 511-512
Tsiang, Tseng-yi	1877-	chines. Nachrichtentechniker und -politiker.			
		YBWTT		13(1925)	S. 887
Tudor, Henri Owen	1859-1928	LdE			
Uda, Shintaro	1896-1976	japan. Hochfrequenztechniker.	Proc. IEEE	85(1997)5	S. 800-801
Uher, Edmond	1892-1989	ungar.-deutscher Tonband-Erfinder.			
		Internet + Münchner Merkur Nr. 197		1987	29./30. Aug.
Uhlmann, Erich	1904-1988	LdE + ETZ		109(1988)24	S. 1144
Ulbricht, F. Richard	1849-1923	LdE			
Ulrich, Marcel	1880-1939	belgischer Elektromaschinenbauer.			
		Jeumont, Revue trimestrielle		33(1933)Jul.-Sep.	S. 57
Ulrich, Marcel	1880-1933	französ. Energietechniker (CIGRE).	ETZ	54(1933.II)34	S. 834
		wikipedia			09.02.2011
Unger, Franz	1882-1975	LdE			
Uppenborn, Friedrich	1859-1907	LdE			
Vallauri, Giancarlo	1882-1957	ital. Marine-Hochfrequenztechniker (Röhren).			
		YBWTT		13(1925)	S. 887
		Jahrb. d. Deutsch. Akademie d. Wiss. zu Berlin		1963, ersch. 1964	S. 189-190
van de Graaff, Robert J.	1901-1967	LdE			
van der Broeck, Heinz	1952-2009	Energietechniker (Umrichter).	RWTH		S. 223
Vanni, Giuseppe	1862-1934	italien. Militär-Funkpionier (Mikrofon).	BGG		S. 172, 198
		Internet + YBWTT		13(1925)	S. 887
van't Hoff, Jacobus H.	1853-1911	niederl. Elektrochemiker.	El. K. u. B.	9(1911)8	S. 160
		Cohen, Ernst: Jacobus Henricus van't Hoff. Akadem. Verlags-Ges. Leipzig 1912		638 S.	/SA 1702 (3/
Varley, Cromwell Fleetwood	1828-1883	LdE			
Varley, Samuel Alfred	1832-1921	(im LdE: Bruder C. F. V.).	El. Rev. L.	89(1921.II)	S. 221
Velander, Edy	1894-1961	LdE			
Vidmar, Milan	1885-1962	LdE			
Vierling, Oskar	1904-1986	Hochfrequenztechniker.	Frequenz	38(1984)1	S. 19
Vieweg, G. Richard	1896-1972	LdE			
Villard, Paul	1860-1934	französ. Elektrophysiker (Spannungs- verdopplung).	R.G.E.	35(1934)13	S. 411-414
		Journal de Physique		10(1901)	S. 10
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 + El. Bahn.		20(1944)5/6	S. 67-73
Vogelsang, Max	1867-1930	Hochspannungstechniker (Voigt&Haeffner).	ETZ	51(1930.II)32	S. 1153-1154
Vogt, Hans	1890-1979	LdE			
Voigt, Heinrich	1857-1937	LdE			
Volta, Alessandro	1745-1827	LdE			

Name	Lebens- jahre	Quelle		
Vyvyan, Richard Norman	1876-1946	brit. Nachrichtentechniker (Marconi). YBWT	13(1925)	S. 887-888
		Wireless World	53(1947)2	S. 68
		Weightman, G.: Signor Marconi's Magic Box. HarperCollins London	2003	312 S.
<b>W</b> 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, Bernhard	1861-1950	Elektrophysiker (Blitz)      Physikalische Blätter	2(1946)	S. 211
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	52(1931)33	S. 1073
Wasserrab, Theodor	1907-1992	Nachrichtentechniker (BBC).      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		
Wechmann, Wilhelm	1876-1947	Antriebstechniker, Reichsbahndirektor. El. Bahn.	21(1950)1	S. 32
Weh, Herbert	1928-	Antriebstechniker (Prof. TU Braunschweig).		
		etzArchiv	10(1988)3	S. 101
Wehnelt, Arthur R. B.	1871-1944	LdE		
Weichart, Friedrich Karl	1893-1979	LdE		
Weicker, William	1875-1946	Hochspannungs-Mess- + Isolationstechniker.		
		ETZ	49(1928)13	S. 521
		Verhandlungen der Deutschen Physikal. Gesell.	21(1919)1/2	S. 27-30
		ETZ	64(1943)11/12	S. 169
		ETZ	69(1948)1	S. 35
Weigel, Rudolf Georg	1899-1955	LdE		
Weiherr, Sigfrid von	1920-	Elektrohistoriker (Siemens). Archiv + Wirtschaft	16(1983)2	S. 71-72
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-	Prüftechniker (Transformatorenkaskade).		
		ETZ-A (70. Geburtstag am 17.11.)	79(1958)24	S. 975
Wenström, Jonas	1855-1893	LdE		
Westarp, Theodor Graf von	1890-1959	Rundfunkindustrieller (Philips).      Funk-Technik	14(1959)13	S. 447
		DBE	10(1999)	
Westerhoff, Eugen	1899-1953	Hochspannungsschalterkonstrukteur (AEG).		
		ETZ-A	75(1954)1	S. 31-32
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

Name	Lebens- jahre	Quelle		
		IEEE Pow. Eng. Rev.	21(2001)11	S. 33-34
Wheatstone, Sir Charles	1802-1875	LdE		
Wheeler, Harold A.	1903-1996	US-Elektroniker. Proc. IEEE	85(1997)1	S. 200-201
Whitehead, John Boswell	1872-1954	LdE		
Whitehead, Stanley	1902-1956	brit. Nachrichtentechniker (elektromagnetische Beeinflussungen).		
		Internet + Wireless World	62(1956)6	S. 255
Whitney, Willis Rodney	1868-1958	LdE		
Wichert, Alfred	1881-1927	Bahn-Elektrotechniker (BBC). El. Bahn.	3(1927)11	S.
Wideröe, Rolf	1902-1996	Elektrophysiker (Teilchenbeschleuniger).		
		RWTH		S. 29
Wiechowski, Witold	1907-1971	LdE + RWTH		S. 202
Wiedemann, Eugen	1901-1969	LdE		
Wiedemann, Gustav Heinrich	1826-1899	LdE		
Wien, Max C. W.	1866-1938	LdE		
Wiener, Norbert	1894-1964	G.W.		
Wigge, Heinrich	1889-1954	Hochfrequenztechniker (FH Köthen/Anhalt).	Internet	
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		
Wilson, William Hamilton	1878-1944	engl. Flugzeugfunk-Pionier. Internet + YBWTT	13(1925)	S. 888
		Journal IEE	91(1944/Pt.I)	S.
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
		El.wi.sch.	82(1983)7	S. 240
		ETZ-A	104(1983)9	S. 445
		Pohl, M.: Das Bayernwerk. Piper-Vlg. München	1996, 509 S.	S. 284 ff
Wollaston, Charles James	1820-1915	Telegraph engineer. The Electrical Review	77(1915)1985	S. 757
Wollaston, William Hyde	1766-1828	LdE		
Woolrich, J. Stephen	1790-1843	engl. Chemiker + Generator-Erfinder.		
		Humb, L. B.: Early History of Gold Plating		
		VM, BandV: Entstehung der Dynamomaschine.	1941, 159 S.	S. 363
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
Wyssling, Walter	1862-1945	schweiz. Starkstromtechniker + ETH-Prof.	Internet	28.01.2011
Yagi, Hidetsugu	1886-1976	LdE + Proc. IEEE	81(1993)6	S. 934-935
		YBWTT	9(1921)	S. 1300
Yokoyama, Eitaro	1883-1966	japan. Nachrichtentechniker (schnurloses Telef.).		
		BGG		S. 171

Name	Lebens- jahre	Quelle		
		Internet + YBWTT	9(1921)	S. 1301
<b>Z</b> 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		
Zetzsche, Karl Eduard	1830-1894	LdE		
Zhong, Zhaolin	1901-1990	LdE		
Ziegler, Walter	1912-1995	Nachrichtentechniker (AEG). RWTH		S. 211-212
Zipernowsky, Károly	1853-1942	LdE		
Zobel, Otto Julius	1887-1970	US-Regelungstheoretiker (AT&T, Filtertheorie um 1925). G.W.		S. 200
		American men of science. 5 <sup>th</sup> edition	1932	
		US-Patent „Wave filter“, filed Jan. 15, 1921	1,538,964	May 26, 1925
Zuse, Konrad	1910-1995	LdE		
Zwicker, Eberhard	1924-1990	Elektroakustiker. at - Automatisierungstechnik	37(1989)3	S. 124-126
		wikipedia		13.02.2011
Zwicky, Rudolf	1923-1994	LdE		
Zwietusch, Otto	1866-1931	Nachrichtentechniker (Telephon). ZFWG	12(1931)9	S. 144
		ETZ	52(1931.II)34	S. 1102
Zworykin, Vladimir K.	1889-1982	LdE + ETZ	70(1949)13	S. 401
		Abramson, A.: Zworykin. U of Illinois Press	1995	319 S.
		Proc. IEEE	86(1998)5	S. 1012

## Liste der Quellen und Abkürzungen

ADB	Allgemeine Deutsche Biographie. Dunker & Humblot, Leipzig (ab 1875)
AEÜ	Archiv der Elektrischen Übertragung (Zeitschrift); ab 1971: Archiv für Elektronik und Übertragungstechnik
BGG	Blake, George Gascoigne: History of Radio Telegraphy and Telephony. Chapman & Hall London 1928, 425 S., und: Kraeuter, David W.: Radio and Television Pioniers – a patent bibliography. Scarecrow P Metucha & London 1992, 319 S. /1996 A 900/
BJ	Bönig, Jürgen: Die Einführung von Fließbandarbeit in Deutschland bis 1933. LIT Verlag Münster 1993, Teil I : 572 S., Teil II: S. 573-700
BMFRS	Biographical Memoirs of Fellows of the Royal Society, London
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. Saur, München (ab 1995) /2005 A 1738/
DWF	Wenzel, Georg: Deutscher Wirtschaftsführer. Hanseat. Verlagsanstalt Hamburg 1929, 2544 Spalten
E u. M e & i	Elektrotechnik und Maschinenbau, Wien (Zeitschrift); ab 1989: Elektrotechnik und Informationstechnik /ZB 1694/
EH-ETD	The Electrician Handbook - Electrical Trades' Directory, London /ZA 526/
El. Bahn.	Elektrische Bahnen (Zeitschrift) /ZB 355/
Electr. Eng. L	Electrical Engineering, London (Zeitschrift)
El. K. u. B.	Elektrische Kraftmaschinen und Bahnen (Zeitschrift) /ZB 1546/
El. Rev. L.	Electrical Review, London (Zeitschrift)
El.wi.sch.	Elektrizitätswirtschaft, Frankfurt (Zeitschrift) /ZB 1774/
El.W.	Electrical World (and Engineer), New York (Zeitschrift)
ETEP	European Transactions on Electric Power, Berlin (Zeitschrift)
ETZ	Elektrotechnische Zeitschrift, Berlin /ZC 1854/
F&G-Rundsch.	Felten&Guillaume Rundschau, Köln (Zeitschrift)
FTZ	Fernmeldetechnische Zeitschrift; ab 1955: NTZ /ZB 3695/
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. /2004 A 1648/
Ho	Howeth, Captain Linwood S.: History of Communications-Electronics in the United States Navy. US-Printing Office Washington 1963, 657 S. /1991 A 2046/
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.
JBDTT	Jahrbuch der drahtlosen Telegraphie und Telephonie /ZB 382/
Lar.	Larousse du XXeme 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
NDB	Neue Deutsche Biographie. Dunker & Humblot, Berlin (ab 1953)
NTZ	Nachrichtentechnische Zeitschrift
ODNB	Oxford Dictionary of National Biography
PTR, PTB	Physikalisch-technische Reichsanstalt (Bundesanstalt), Berlin
R.G.E.	Revue Générale d'Electricité, Paris (Zeitschrift)
RHdDG	Reichshandbuch der Deutschen Gesellschaft (3 Bände). Deutscher Wirtschaftsverlag Berlin 1932 /1932 B 181/
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.
SG	Siemens, Georg: Der Weg der Elektrotechnik, 2. Auflage. Alber Freiburg 1961. Band I: 388 S., Band II: 392 S.
STG	Lehmann, E.: 100 Jahre schiffbautechnische Gesellschaft – 2. Biografien zur Schiffbaugeschichte. Julius Springer Berlin 1999, 573 S. /1999B204/
T. a. C.	Technology and Culture (Zeitschrift)
TUM-Mitt.	Technische Universität München: Mitteilungen
VM	Vogelsang, Max: Die geschichtliche Entwicklung der Hochspannungs-Schalttechnik. Reihe: Geschichtliche Einzeldarstellungen aus der Elektrotechnik, Band II, 176 S. Julius Springer Berlin 1929 /SA 1708/
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/
YBWTT	The Year-Book of Wireless Telegraphy and Telephony. Marconi Press Agency London 1913-1925
ZFWG	Zeitschrift für Fernmeldetechnik, Werk- und Gerätebau

## Candidates for inclusion in the second edition of Jäger's *Lexikon der Elektrotechniker*

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]

- Aepinus, Franz U. T.: *Aepinus's Essay on the theory of electricity and magnetism*. Introductory monograph and notes by R. W. Home. P. J. Connor, trans. Princeton: Princeton Univ. Press, 1979. xiv + 514 pp.
- Dhombres, Jean and M. Pensivy : Esprit de rigueur au XVIIIème siècle: Traduction et critique d'une démonstration d'Aepinus, in : *Sciences et Techniques en Perspective* 11(1986-87), pp.175-218
- Dhombres, Jean and M. Pensivy : Esprit de rigueur et présentation mathématique au XVIIIème siècle: Le cas d'une démonstration d'Aepinus, in : *Historia Mathematica* 15(1988), pp. 9-31
- DSB
- EB 2000
- Home, Roderick W.: Aepinus, the Tourmaline Crystal, and the Theory of Electricity and Magnetism, in: *Isis* 67(1976), pp. 21-30
- Home, Roderick W.: The Reception Accorded Aepinus's Theory of Electricity, in: *Actes du XIIIe Congrès International d'Histoire des Sciences* 1971 6(1974), pp. 287-294

**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, in: *Proceedings of the IEEE* 86(1998), pp. 1895-1896
- Colpitts, E.H.: Dr. H. D. Arnold, in: *Bell Laboratories Record* 6(1928)June
- DSB
- Dunlap
- EB 2000
- "H. D. Arnold, 1883-1933", in: *Electronics*, August 1933, p. 227

**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, in: *Annals of the History of Computing* 6(1984)3, pp. 229-282. An adaptation of this article, prepared by Atanasoff, appeared in: Lee, J. A. N.: *Computer Pioneers* (Los Alamitos, CA: IEEE Computer Society Press, 1995), pp. 28-45).
- Atanasoff, John: Atanasoff recalls early days of computers, in: *SIAM News*, May 1984, pp. 7-8
- Burks, Alice Row: *Who Invented the Computer? The Legal Battle That Changed Computing History*. Prometheus Books, 2002
- Burks, Alice R., and Arthur W. Burks: *The First Electronic Computer: The Atanasoff Story*. Ann Arbor, MI: University of Michigan Press, 1988
- Cortada
- EB 2000
- Gardener, David W.: The independent inventor (interview with John V. Atanasoff), in: *Datamation* 28(1982)Sept., pp. 12-22.
- Grier, David Alan: Agricultural computing and the context for John Atanasoff, in: *IEEE Annals of History of Computing* 22(2000)1, pp. 48-61
- Lee
- McCartney, Scott: *ENIAC - The Triumphs and Tragedies of the World's First Computer*. New York: Walker and Company, 1999. viii + 262 pp.
- Mollenhoff, Clark R.: *Atanasoff: Forgotten Father of the Computer*. Ames, IA: Iowa State University Press 1988
- Mooers, Calvin N.: Atanasoff at the Naval Ordnance Laboratory, in: *IEEE Annals of History of Computing* 15(1993)2.
- Mooers, Calvin N.: The computer project at the Naval Ordnance Laboratory, in: *IEEE Annals of History of Computing*, 23(2001)2, pp. 51-67
- Ralston
- Ritchie
- Slater

**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, in: *Proc. of the IEEE* 93(2005), pp. 2188-2191
- CH
- DSB
- Dunlap
- EB 2000

**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, in: *Proc. of the IEEE* 79(1991), pp. 1085-1086
- CH
- "Pioneering in electronics and communications: Albert Wallace Hull 1880-1966; Walter Ransom Gail Baker 1892-1961", in: Gorowitz, Bernard (ed.): *A Century of Progress: The General Electric Story 1876 - 1978* (Schenectady, NY: Hall of History Foundation, 1981), pp. III.54-55. [IHC]

**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, in: *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
- EB 2000
- McG
- 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, in: *Spectrum* 14(1977)12 (December), pp. 54-60
- Day
- EB 2000
- Editors of *Electronics: An Age of Innovation - The World of Electronics 1930-2000*. New York: McGraw-Hill 1981, p. 173
- Kelley, M. J.: Career of the 1957 Lamme Medalist Harold S. Black, in: *Electrical Engineering* 77(1958), pp. 720-722
- Kline, Ronald: Harold Black and the negative-feedback amplifier, in: *IEEE Control Systems* 13(1993)4 (August), pp. 82-85
- McG
- Mindell, David A.: Opening Black's box - rethinking feedback's myth of origin, in: *T. a. C.* 41(2000), pp. 405-434
- Turning

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

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

- CH
- Day
- Turning
- Van Valkenberg, Mac E.: In memoriam: Henrik W. Bode (1905-1982), in: *IEEE Transactions on Automatic Control* AC-29(1984)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, in: *Proceedings of the IEEE* 86(1998), pp. 218-224
- Bose, D. M.: Jagadish Chandra Bose, in: *Science and Culture* 37(1971), pp. 445-451
- Dasgupta, Subrata: Forgotten history - Sir Jagadish Bose and the origins of radio, in: *Trans. of the Newcomen Society* 67(1995-96), pp. 207-219 [IHC]
- DSB Suppl. I
- Dunlap
- EB 2000
- Emerson, Darrel T.: The work of Jagadish Chandra Bose - 100 years of millimeter wave research, in: *IEEE Trans. on Microwave Theory and Techniques* 45(1997)December, pp. 2267-2273
- Geddes, Sir Patrick: *The Life and Work of Sir Jagadish Bose*. London 1920
- Sarkar, Tapan K., and Dipak L. Sengupta: An appreciation of J. C. Bose's pioneering work in millimeter waves, in: *IEEE Antennas and Propagation Magazine* 39(1997)October, pp. 55-62

**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, in: *Proceed. of the IEEE* 85(1997), pp. 1511-1513
- Dunlap

**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), in: *Proc. of the IEEE* 84(1996), p. 502
- Cortada
- Lee
- McCartney, Scott: *ENIAC - The Triumphs and Tragedies of the World's First Computer*. New York: Walker and Company, 1999. viii + 262 pp.
- Turning
- Wilkes, Maurice V.: J. G. Brainerd on the ENIAC, in: *Annals of the History of Computing* 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
- EB 2000
- McG
- 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, in: *Proc. of the IEEE* 80(1992)11(November)
- 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", 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?, in: *Proceed. of the IEEE* 86(1998), pp. 2469-2472
- Gilpin, Kenneth N.: Marvin Camras, 79, inventor in tape recording, in: *The New York Times*, June 28, 1995 [VF]
- Weiss, Eric A.: Marvin Camras, in: *IEEE Annals of the History of Computing* 18(1996)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, in: *Photographic Science and Engineering* 7(1963), pp. 1-4
- EB 2000
- Owen, David : "Making copies, in : *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-Diskussionssitzung*, 21-22 April 1995 (Berlin, 1995), pp. 247-259
- Cauer, Emil, and Wolfgang Mathis: Wilhelm Cauer (1900-1945), in: *Archiv für Elektronik und Übertragungstechnik* 49(1995), pp. 243-251
- 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, in: *Proc. of the IEEE* 80(1992), p. 2009
- CH
- Dunlap
- EB 2000
- *Fiftieth Anniversary AIEE 1884-1934*, in: special issue of *Electrical Engineering* 53(May 1934)5.
- Little, Donald G.: Dr. Conrad founds KDKA, in: *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]
- EB 2000
- Lee
- Markoff, John: Seymour Cray, computer industry pioneer and father of the supercomputer, dies at 71, in: *New York Times*, 6 October 1996.
- Miller, A. Ray: Seymour Cray, the father of supercomputing and true national treasure, has died, in: *Computer* 29(1996)11, p. 89 [IHC]
- Mitchell, Russell: The genius: meet Seymour Cray, father of the supercomputer, in: *Business Week*, 20 April 1990, pp. 80-88 [VF]
- Murray, Charles J.: *The Supermen - The Story of Seymour Cray and the Technical Wizards Behind the Supercomputer*. New York: John Wiley & Sons, 1997
- Schienke, Erich W.: In memoriam Seymour Cray, in: *The Analytical Engine*, 3.4 (fall 1996), pp. 24-25
- Slater
- Weiss, Eric A.: Obituary, in: *IEEE Annals of the History of Computing* 19(1997)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
- EB 2000
- Keller, Peter A. *The Cathode-Ray Tube: Technology, History and Applications*. New York: Palisades Press, 1991. 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 April 1966, Oxford)

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

- Day
- Dunlap
- 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
- EB 2000
- Eckstein, Peter: J. Presper Eckert, in: *IEEE Annals of the History of Computing* 18 (1996)1, pp. 25-44.
- Lee
- McCartney, Scott. *ENIAC: The Triumphs and Tragedies of the World's First Computer*. New York: Walker and Company, 1999. viii + 262 pp.
- McG
- Ralston
- Ritchie
- Slater
- Wilkes, Maurice V.: A tribute to Presper Eckert, in: *Communications of the ACM* 9(September 1995)9, 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, D.
- 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
- *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, Erico : Doctor Flash, in : *Technology Review*, December 2003/January 2004, pp. 6-7.
- Jussim, Estelle. *Stopping Time: The Photographs of Harold Edgerton*. New York: Harry N. Abrams, 1987. 167 pp.
- 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, in: *Proc. of the IEEE* 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*. Special issue of *Electrical Engineering* 53(May 1934)5.
- William LeRoy Emmet 1859-1941, in: Gorowitz, 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]

- Turning
- CH
- Dunlap
- 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, in: *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
- EB 2000
- 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, in: *California Engineer* 8(February 1930), pp. 12-33.
- Gladwell, Malcolm: The televisionary, in: *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, in: *Journalism History* 20(summer 1994), pp. 74-79.
- Hofer, Stephen F.: Philo Farnsworth: television's pioneer, in: *Journal of Broadcasting*, vol. 23, spring 1979, pp. 153-165.
- Keller, Peter A. *The Cathode-Ray Tube: Technology, History and Applications*. New York: Palisades Press, 1991. 314 pp. [IHC]
- Postman, Neil: Philo Farnsworth, in: *Time*, 29 March 1999, pp. 92-94.
- Schwartz, Evan I.: *The Last Lone Inventor - A Tale of Genius, Deceit, and the Birth of Television*. Harper Collins, 2002.
- Schwartz, Evan I.: Televisionary, in: *Wired* (April 2002), pp. 68-74.
- Schwartz, Evan I.: Who really invented television?, in: *Technology Review* 103(2000)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.
- Brittain, James E.: Scanning the past: Harald T. Friis, in: *Proc. of the IEEE* 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, in: *Microwave Journal* 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, in: *American Heritage of Invention & Technology* 18(winter 2003)3, 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 + 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]

- Turning
- CH
- Clark, Alfred E.: Alfred N. Goldsmith dies at 85 - pioneer in radio and color TV, in: *New York Times*, 3 July 1974. [VF]
- Dreher, Carl: His colleagues remember 'The Doctor', in: *IEEE Spectrum* 11(1974)8, pp. 32-36. [VF]
- Dunlap
- Geselowitz, Michael N.: In his own words: Alfred Norton Goldsmith, in: *Proc. 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 [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
- 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, in: *Proc. of the IEEE* 86(1998), pp. 604-605.
- DSB
- Dunlap
- EB 2000
- Ginzton, Edward L.: The \$100 idea, in: *IEEE Spectrum* 12(February 1975)2, 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, in: BMFRS 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, in: *Annals of the History of Computing* 3(January 1981)1, pp. 4-12.
- Cortada
- Hazen, Harold: Unpublished memoirs, held in 1980 by Katherine Hazen, widow of Harold Hazen.
- Lee
- Wildes [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, in: *Proc. of the IEEE* 86(1998), pp. 744-745.
- Carlson, W. Bernard: Academic entrepreneurship and engineering education: Dugald C. Jackson and the MIT-GE cooperative engineering course, 1907-1932, in: *Technology and Culture* 29(1988), pp. 536-567.
- CH
- *Fiftieth Anniversary AIEE 1884-1934*. Special issue of *Electrical Engineering* 53(May 1934)5.
- Turning

**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- )]

- Day
- EB 2000
- Imbriale, William A.: Introduction to 'Electrical disturbances apparently of extraterrestrial origin', in: *Proc. of the IEEE* 86(1998), pp. 1507-1509.
- Turning

**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, in: *Oxford Economic Papers* 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.
- DSB
- EB 2000
- Hempstead, Colin A.: An appraisal of Fleeming Jenkin (1833-85), electrical engineer, in: *History of Technology* 13(1991), pp. 119-144.
- Stevenson, Robert Lewis: Memoir of Fleeming Jenkin, in: S. Colvin and J.A. Ewing (eds): *Papers Literary, Scientific, etc., by the late Fleeming Jenkin, F.R.S., LL.D.* (London, Longmans, Green and Co., 1887), pp. xi-cliv.

**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, in: *American Heritage of Invention and Technology* 12(fall 1996), pp. 52-63.
- Boyd, T.A.: *Professional Amateur - The Biography of Charles Franklin Kettering*. New York: E.P. Dutton, 1957. 242 pp. [IHC]
- CH
- Day
- DSB
- EB 2000
- 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, in: *Hearing Instruments* 33(1982)4.
- Murphy, Eugene F.: Hugh S. Knowles, 1904-1988, in: *Tributes* 4(1991), p. 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
- CH
- Day
- Kompfner, Rudolf: *The Invention of the Traveling-Wave Tube*. San Francisco: San Francisco Press, 1964. v + 30 pp.
- Turning

**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 pp.
- Hughes, Thomas P. *Rescuing Prometheus*. New York: Vintage Books, 1998.
- Lee
- Waldrop, M. Mitchell: Computing's Johnny Appleseed, in: *Technology Review* 103(2000)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), in: *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, in: *Annals of the History of Computing* 18(spring 1996)1, pp. 45-50.
- Costello, John: He changed the world, in: *Washingtonian* 19(1983), pp. 525-548.
- Costello, John: The little known creators of the computer, in: *Nation's Business* (December 1975), pp. 56-62.
- Dewees, Anne: It's a better world, thanks to John, in: *Sperry UNIVAC News*. 4(February 1980)3, pp. 1-8.
- EB 2000
- Eckert, J. Presper: Eulogy for John Mauchly; in: Reprinted in *Sperry UNIVAC News* 4(February 1980), p. 6
- Lee
- Mauchly, Kathleen R.: John Mauchly's early years, in: *Annals of the History of Computing* 6(1984), pp. 116-138
- McCartney, Scott.: *ENIAC - The Triumphs and Tragedies of the World's First Computer*. New York: Walker and Company, 1999. 262 pp.
- Ralston
- Ritchie
- Slater.
- Stern, Nancy: John Wilbur Mauchly 1907-1980, in: *Annals of the History of Computing* 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, in: *Technology in Society* 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
- 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.
- Berlin, Leslie R.: Robert Noyce and Fairchild Semiconductor 1957-1968, in: *Business History Review*. 71(2001)1, pp. 63-102.
- Caddes, Carolyn: *Portraits of Success - Impressions of Silicon Valley Pioneers*. Palo Alto, CA: Tioga Publishing Company, 1986.
- CH
- Cortada
- Day
- EB 2000
- Lee
- Malone, Michael S.: Silicon Valley's maternity ward: How a company was born, in: *New York Times*. Sunday, March 7, 1982.
- Noyce, Robert, and Marcian E. Hoff, Jr.: A history of microprocessor development at Intel, in: *IEEE Micro* 1(1981), pp. 8-21.
- Slater.
- Reid, T. R. *The Chip: How Two Americans Invented the Microchip and Launched a Revolution*. New York: Simon and Schuster, 1984. [VF: book reviews]
- "Robert Noyce", in: *IEEE Spectrum* (July 1987), pp. 48.
- "Rober N. Noyce", in: *Physics Today* (January 1991), p. 82.
- Wolfe, Tom.: The tinkering of Robert Noyce, in: *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 (1998-1976). 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, in: *IEEE Communications Magazine* 23(April 1985), pp. 4-5.
- Day
- Lozier, John C.: The Oldenberger Award response - an appreciation of Harry Nyquist, in: *Journal of Dynamic Systems, Measurement and Control* 98(June 1976), pp. 127-128.
- Mabon, Prescott C.: *Mission Communications - The Story of Bell Laboratories*. 1975.
- McG
- Nyquist, Harry: The regeneration theory, in: *Trans. 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", in: *New York Times*, 27 March 1996.
- EB 2000
- Jacobson
- Lee
- Packard, David: *The HP Way - How Bill Hewlett and I Built Our Company*. New York: HarperBusiness, 1995. 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 Stark Pearson, part one, in: *IEEE Power & Energy Magazine* (November/December 2003), pp. 60-65. [IHC]
- Cooke, Gilmore G.: A worldwide legacy: the accomplishments of Fred Stark Pearson, part two, in: *IEEE Power & Energy Magazine* (January/February 2004), pp. 78-80. [IHC]
- "In memoriam.", in: *General Electric Review* 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, in: *AFIPS Annals of the History of Computing* 12(1990)2, pp. 142-146.
- Weiss, Eric A.: Obituary Jan A. Rajchman, in: *IEEE Annals of the History of Computing* 11(1989)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
- Cattermole, K.W.: A. H. Reeves - the man behind the engineer, in: *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*. Fulcrum Publishing, 2004. (ch. 8)
- Bilby, K.: *The General - David Sarnoff and the Rise of the Communications Industry*. Harper & Row New York 1986. 326 pp.
- Day
- Dreher, Carl. *Sarnoff: An American Success*. New York: Quadrangle, The New York Times Book Company, 1977. 282 pp.
- [IHC]
- EB 2000
- 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.

**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, in: *BMFRS* 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, Foltowin, 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]

- CH
- Tributes, vol. 1, pp. 279- .
- Turning

**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]

- Dunlap
- Lanza, Joseph: *Elevator Music*. New York: St. Martin's Press, 1994.
- Lindsay, David: The Muzak man, in: *American Heritage of Invention & Technology* 14(fall 1998)2, pp. 52-57.
- Squier, George: *Telling the World*. Baltimore: Williams and Wilkins Company, 1933. 163 pp.
- Turning

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

[pioneer of digital computing and builder of relay computers]

- Cortada
- Day
- EB 2000
- "George Stibitz '27G: computer's inventor joins the Hall of Fame", in: *Union College*, (Schenectady NY), November-December 1983(18). [VF in Computers]
- Lee
- Ralston
- Ritchie

- Stibitz, George: *The Zeroth Generation*. Manuscript, 1993. Stibitz Papers, Dartmouth College.

**Straus, Henry Lobe (Harry)** (10 March 1896 - 25 October 1949 in an airplane crash)

[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]
- Racetrack ties, in: *Letters*, Johns Hopkins Magazine June 2000

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

[computer scientist and developer of analog computers]

- Cortada
- Lee
- Lee, John A. N.: Antonin Svoboda, in: *IEEE Annals of the History of Computing* 2 (1999)1, pp. 52-53.
- Svoboda, Antonin: From mechanical linkages to electronic computers - recollections from Czechoslovakia, in: N. Metropolis, J. Howlett, 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." *Proc. of the IEEE*, 91(2003), pp. 636-640.
- Mayer, H. F.: Léon Charles Thévenin, in: *Electrical Engineering* 69(1950), p. 186.
- Suchet, Charles: Léon Charles Thévenin, in: *Electrical Engineering* 68(1949), pp. 843-844.
- Thomas, H.: Léon Thévenin, in: *Annales des Postes, Télégraphes et Téléphones* 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, in: *Proc. of the IEEE* 79(1991), p. 888.
- "Browder J. Thompson: 1903-1944", in: *Proc. of the I.R.E.* 33(1945), p. 71.
- Dunlap.

**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, in: *Proc. of the IEE* (November 1989), pp. 337-340.
- Bowers, Brian: Scanning our past from London: Trotter in South Africa, in: *Proc. of the IEEE* 91(2003), pp. 1469-1471.
- Bowers, Brian: Scanning our past from London: Where did electrical engineering begin?, in: *Proc. of the IEEE* 91(2003), pp. 1257-1259.
- Steward, Stanley: The astonishing career of A. P. Trotter, in: *Electrical Review* 215(1984)18, p. 27.
- Trotter, A. P.: *Reminiscences*. Edited and indexed by Brian Bowers, IEE Archives, London.

**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 pp.
- Cortada
- DSB
- EB 2000
- Gray, Paul: Alan Turing, in: *Time*, 29 March 1999, pp. 147-150.
- Hodges, Andrew: *Alan Turing - The Enigma*. New York: Simon & Schuster, 1983. 586 pp.
- 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. 58 pp.
- Ince, D. C. (ed.): *The Collected Works of A. M. Turing - Mechanical Intelligence*. Amsterdam: North-Holland, 1992.

- Lee
- Ralston
- Ritchie
- Saunders, P. T.: Alan Turing and biology, in: *IEEE Annals of the History of Computing* 15(1993), p. 3, pp. 33-36
- Slater.
- Strathern, Paul: *Turing & the Computer*. New York: Anchor Books, 1997.

**Tuве, 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, in: *Journal of Atmospheric and Terrestrial Physics* 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
- EB 2000
- 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, 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
- Jacobs, A.: *South African Heritage - A Biography of H. J. van der Bijl*. Pietermaritzburg: Shuter and Shooter, 1948.
- Keller, Peter A.: *The Cathode-Ray Tube: Technology, History and Applications*. New York: Palisades Press, 1991. xv + 314 pp. [IHC]
- Vermeulen, Dirk J.: The remarkable Dr. Hendrik van der Bijl, in: *Proc. of the IEEE* 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]

- Day
- Dunlap
- EB 2000
- Ginzton, Edward L.: The \$100 idea, in: *IEEE Spectrum* 12(February 1975)2, pp. 30-39.
- Turning
- Varian, Dorothy: *The Inventor and the Pilot: Russell and Sigurd Varian*. Palo Alto, CA: Pacific Books, 1983. 315 pp. [IHC]

**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]

- Day
- Dunlap
- EB 2000
- Ginzton, Edward L.: The \$100 idea, in: *IEEE Spectrum* 12(February 1975)2, pp. 30-39.
- Turning
- Varian, Dorothy: *The Inventor and the Pilot - Russell and Sigurd Varian*. Palo Alto, CA: Pacific Books, 1983. 315 pp. [IHC]

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

[mathematical physicist and computer pioneer]

- Aspray, William: *John von Neumann and the Origins of Modern Computing*. Cambridge, MA: MIT Press, 1990. xvii + 377 pp. [IHC]
- Brate, Adam: *Technomanifestos: Visions from the Information Revolutionaries*. New York City: Texere, 2002. vii + 371.

- Cortada
- DSB
- EB 2000
- Goldstine, Herman H.: *The Computer from Pascal to von Neumann*. Princeton, NJ: Princeton University Press, 1972. xi + 378 pp.
- Goldstine, Herman H.: The role of John von Neumann in the computer field, in: Rutherford Aris, et al.: *Springs of Scientific Creativity: Essays on Founders of Modern Science*. Minneapolis: University of Minnesota Press, 1983, pp. 308-327.
- Heims, Steve Joshua: *The Cybernetics Group*. Cambridge, MA: MIT Press, 1991. 334 pp.
- Heims, Steve Joshua: *John von Neumann and Norbert Wiener - From Mathematics to the Technologies of Life and Death*. Cambridge, MA: MIT Press, 1980.
- Heppenheimer, T.A.: How von Neumann showed the way, in: *Invention & Technology* (fall 1990), pp. 8-16.
- Special Issue on John von Neumann. *IEEE Annals of the History of Computing* 11(1989)3.
- Lee
- Lurie, Maxine, and Marc Mappen (eds.): *Encyclopedia of New Jersey*. New Brunswick, NJ: Rutgers University Press, 2004.
- MacRae, Norman: *John von Neumann*. New York: Pantheon Books, 1992, 405 pp.
- McCartney, Scott: *ENIAC - The Triumphs and Tragedies of the World's First Computer*. New York: Walker and Company, 1999. viii + 262 pp.
- McG
- Pais, Abraham: *The Genius of Science - A Portrait Gallery of 20<sup>th</sup>-Century Physicists*. New York City: Purdy, 2000.
- Ralston
- Ritchie
- Slater

**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)]

- Cortada
- EB 2000
- Kenney, Charles C.: *Riding the Runaway Horse - The Rise and Decline of Wang Laboratories*. Boston: Little, Brown and Co., 1992.
- Lee
- Wang, An + Eugene Linden: *Lessons*. Reading, MA: Addison-Wesley, 1986.
- Weiss, Eric: Obituary, in: *IEEE Annals of the History of Computing* 15(1993)1, pp. 60-69.

**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)]

- Belden, Thomas G. and Marva R. Belden: *The Lengthening Shadow - The Life of Thomas J. Watson*. Boston: Little, Brown and Co., 1962. 332 pp. [official biography]
- Cortada
- EB 2000
- Lee
- Ralston
- Rodgers, William: *Think - A Biography of the Watsons and IBM*. London, 1970.
- Slater
- Sobel, Robert: *Thomas Watson, Sr. - IBM and the Computer Revolution*. Washington, DC: Beard Books, 2000. 360 pp.

**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]

- CH
- Editors of *Electronics: An Age of Innovation - The World of Electronics 1930-2000*. New York: McGraw-Hill, 1981, p. 171.
- Kahn, Walter K.: In memoriam: Harold Alden Wheeler, in: *IEEE Antennas and Propagation Magazine* 38(1996), pp. 51-53.
- McG
- Metzger, Sidney: Harold Alden Wheeler 1903-1996, in: *Tributes* 9 (2001), pp. 279-284. [IHC]
- Nebeker, Frederik: Harold Alden Wheeler - a lifetime of applied electronics, in: *Proc. of the IEEE* 80(1992), pp. 1223-1236.
- Nebeker
- Wheeler, Harold: *The Early Days of Wheeler and Hazeltine Corporation - Profiles in Radio and Electronics*. Greenlawn, NY: Hazeltine Corporation, 1982. xii + 432 pp.
- Wheeler, Harold: *Hazeltine Corporation in World War II*. Ventura, CA: Pathfinder Publishing of California, 1993. x + 292 pp.
- The IEEE History Center has two oral histories of Harold A. Wheeler on its website (include abstracts and table of contents)

**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]

- Robenblith, Walter A., ed.: *Jerry Wiesner, Scientist, Statesman, Humanist - Memories and Memoirs*. MIT Press, 2004. 416 pp.
- Tributes 8, pp. 291- .
- The IEEE History Center has an oral history of Jerome Wiesner on its website (includes abstract)

**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]

- Bennett, Stuart: F. C. Williams - his contribution to the development of automatic control, in: *Electronics and Power* 25(1979), pp. 800-803.
- Cortada
- Day
- EB 2000
- Kilburn, T., and L. S. Pigott: Frederic Calland Williams, in: *BMFRS* 24(1978), pp. 590-597.
- Lee
- McG
- Ralston

## List of Sources

BMFRS	Biographical Memoirs of Fellows of the Royal Society, London
Bray	Bray, John. The Telecommunications Miracle - The Telecommunication Pioneers from Morse to the Information Superhighway. New York: Plenum Press, 1995. xix + 379 pp.
Brown, D.	Brown, David E.: Inventing Modern America - From the Microwave to the Mouse. Cambridge, MA: MIT Press, 2002. [IHC]
CH	
Cortada	
Day	
DSB	
Dunlap	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	
Gorowitz	Gorowitz, Bernard (ed.): A Century of Progress - The General Electric Story 1876-1978. Schenectady, NY: Hall of History Foundation, 1981
Jacobson	Jacobson, David: Founding Fathers. <i>Stanford</i> , vol. 26 (1998), pp. 58-65.
Lee	
McG	
Nebeker	Nebeker, Frederik, with contributions by William Aspray, Andrew Goldstein, and David L. Morton, Jr.: Sparks of Genius - Portraits of Electrical Engineering Excellence. New York: IEEE Press, 1994. xii + 268 pp.
Ralston	
Ritchie	Ritchie, David: The Computer Pioneers - The Making of the Modern Computer. New York: Simon and Schuster, 1986. 238 pp. [Rutgers]
Slater	Slater, Robert: Portraits in Silicon. Cambridge, MA: MIT Press, 1987.
T. a. C.	Technology and Culture
Tributes	National Academy of Engineering of the United States of America: Memorial Tributes.
Turning	Brittain, James E. (ed.): Turning Points in American Electrical History. New York: IEEE Press, 1977. xi + 399 pp
Wildes	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]