

# Chronology

date	who	Company	where	what
1878	Werner v. Siemens		Berlin	Invention of the loudspeaker. But only the system of mechanical conversion of electrical signals, without stating the audio usage.
1897	Sir Oliver Lodge		Salisbury	Invention of the loudspeaker
1920	Nathaniel Baldwin	Baldwin	Salt Lake City	construction of loudspeakers with voice coil and horn
1920	Kellog / Rice	Western Electric		Presidential conventions
1921	Kellog / Rice	Western Electric	Arlington	11.11.1921 President Hardings inauguration
1924	Kellog / Rice	Western Electric	Chicago	first public adress loudspeakers on Hawthorne plant
1927	Wente / Thuras	Bell Laboratories		first pressure chamber speaker
1927	Wente / Thuras	Bell Laboratories		first voice coil with flat wire
1927	Wente / Thuras	Bell Laboratories		first phase plug in a driver
1927	James B. Lansing		Los Angeles	03.09.1927 foundation of Lansing Manufacturing Company
1927	P.G.A.H. Voight	Lowther	London	Voight founds Lowther Voight Ltd.
1927				first sound movie "The Jazz Singer" with Al Jolson
1928		Western Electric		
1929		Isophon	Berlin	Isophon was founded
1931		Western Electric		first two way loudspeaker
1931	Len Young	Vitavox	London	Vitavox was founded
1934	Len Young	Vitavox	London	Vitavox produced the Bitone 6201 two way loudspeaker
1935	James B. Lansing		Los Angeles	first duplex speaker developments with field coils
1936	P.G.A.H. Voight	Lowther		first speaker with permanent magnet
1936	Douglas Shearer	MGM		Shearer Horn with JBL Speaker
1936	Douglas Shearer	MGM		first flat wire voice coil in Tweeter with phase plug
1938		Altec		founded as "All Technical Products Company"
1941		Altec		ALTEC bought Lansing Manufacturing Company for 50,000.-\$
1941		Altec		
1941		Altec		Altec developed their first power amp Model 142B
1942	James B. Lansing	Altec		first permanent magnet in an Altec speaker 604, developed by James B Lansing
1943		Altec		first 12" Duplex speaker from Altec, Model 601
1943		Altec		Altec 515, first Altec with flat wire voice coil
1944				
1945				
1946	James B. Lansing	Lansing Sound Incorporated		J.B. Lansing founded his new company 10.01.1946
1947	James B. Lansing	Lansing Sound Incorporated		first Lansing speakers D101, D175, H1000
1947	James B. Lansing	Lansing Sound Incorporated		first speaker ever with 4" voice coil as D130
1947		Altec		first Voice of Theater speaker
1947		Altec		Peerless was bought by ALTEC
1947	James B. Lansing	Lansing Sound Incorporated		
1948		Vitavox		Vitavox built a Klipschhorn with License, Model 191
1948	James B. Lansing	Lansing Sound Incorporated		company moved to Havenhurst Ave. Van Nuys

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1949	James B. Lansing	Lansing Sound Incorporated		company moved to Fletcher Drv. Los Angeles
1949	James B. Lansing	Lansing Sound Incorporated		James B. Lansing died 24.09.1949
1950				
1951				
1952				
1953		Altec		first Stereo pa in a movie theater
1953	James B. Lansing	Lansing Sound Incorporated		Robert Hartsfield developed the "Hartsfield" speaker as a copy of a Klipschorn
1954	James B. Lansing	Lansing Sound Incorporated		first Alnico 2" driver, based on Western Electric 594 but with 4" voice coil as 375
1954	James B. Lansing	Lansing Sound Incorporated		acoustic lens developed by B.N. Locanthi were introduced
1954	James B. Lansing	Lansing Sound Incorporated		introduce of the first ring radiator 075
1955		Altec		first Home Voice of Theater model 820A
1956				
1957				
1958	James B. Lansing	Lansing Sound Incorporated		the "Paragon" was introduced
1959				
1960				
1961				
1962	James B. Lansing	Lansing Sound Incorporated		the first "Studio Monitor" by JBL
1963				