

Timeline

c. 25–45000 BC



c. 25–45000 BC
First probable musical instruments

c. 500 BC



Roman theatres use acoustic technologies (see p.20)

c. 25 AD

1626



Francis Bacon writes *New Atlantis* (see p.21)

1877



The Edison Phonograph – the first recording system (see page 24)

1887



Disk recording invented by Emile Berliner

1896



Marconi patents the radio transmitter

Valdemar Poulsen invents the 'Telegraphone' – the first magnetic recorder



Lev Termen (Leo Theremin) develops the Theremin



Russof writes the *Art of Noises* manifesto (see pp.22–23)



First commercial radio station – KDKA in Pittsburgh USA (see p.25)



Talking pictures – premiere of *The Jazz Singer* (see p.25)



Invention of the jukebox

1898

1906

1913

1914

1920

1925

1927

1931

1933



The Edison Multiphone – the forerunner of the jukebox



First concert of *Intonarumori* in Milan (see p.23)

Electrically recorded disks appear



Abbey Road Studios open

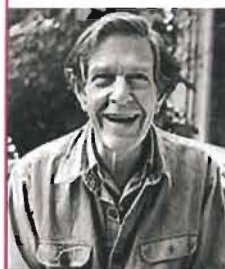
The LP record is marketed by Columbia



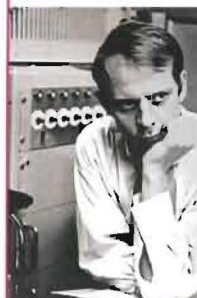
Robert Beyer and Werner Meyer-Eppler propose 'electronic music'

Pierre Henry and Pierre Schaeffer found the 'Groupe de Recherche de Musique Concrète' (see p.26)

Premiere of John Cage's 4'33" given by David Tudor (see p.34)



Karlheinz Stockhausen composes *Kontakte*



1935

1947

1948

1949

1951

1952

1958

1959



AEG 'Magnetophon' – the first practical tape recorder premiered at Berlin Radio Fair (see p.25)

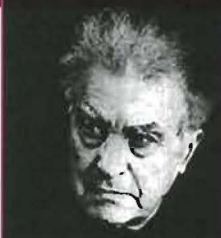


Pierre Schaeffer creates early 'Musique Concrète' work, *Étude aux chemins de fer* (see p.26)

West Deutsche Rundfunk opens electronic music studio in Cologne



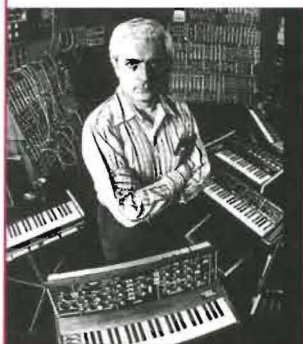
The video recorder is developed by Ampex



Edgard Varèse's *Poème Électronique* multimedia work at Brussels World Fair (see pp. 30–31)

The stereo record is marketed

Robert Moog develops the Moog synthesiser



The Beatles release *Revolver*



'Cybernetic Serendipity' exhibition brings computer art to the UK public.

The laserdisk is announced by Sony



1963

1964

1965

1966

1967

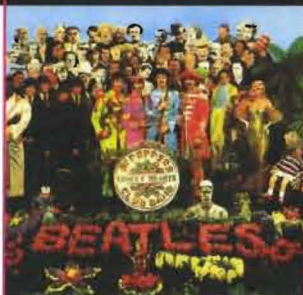
1968

1969

1972

Steve Reich composes tape works *Come Out* and *It's Gonna Rain* (see p.32)

The audio cassette is announced by Philips



The Beatles release *Sgt Pepper's Lonely Hearts Club Band*



John Cage creates *HPSCHD*, a five-hour multimedia work

French president Georges Pompidou initiates IRCAM under the direction of Pierre Boulez

VHS/Betamax video format wars



IBM launches the personal computer



NSFNet (immediate precursor of the Internet) goes live



Sonic Arts Network formed

SonicArtsNetwork

1975

1975/6

1979

1981

1982

1983

1984

1989



Brian Eno announces ambient music (see p.39)

The Fairlight CMI is unveiled by Peter Vogel and Kim Ryrie



Philips introduces the compact disk



Apple launches the Macintosh computer

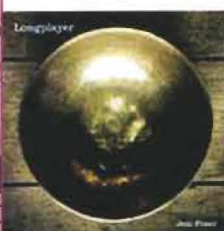
The DVD appears

Trevor Wishart declares sonic art as a distinct form (see p.9)



Curated by David Toop, 'Sonic Boom' exhibition brings sound art to the London public

Jem Finer's sonic art work *Longplayer* begins its 1,000-year run (see pp.111–115)



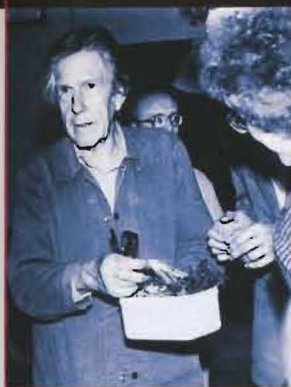
1992

1996

1998

2000

2001



Death of John Cage (b.1912)



The BBC closes the Radiophonic Workshop (opened in 1958)

Apple launches the iPod

