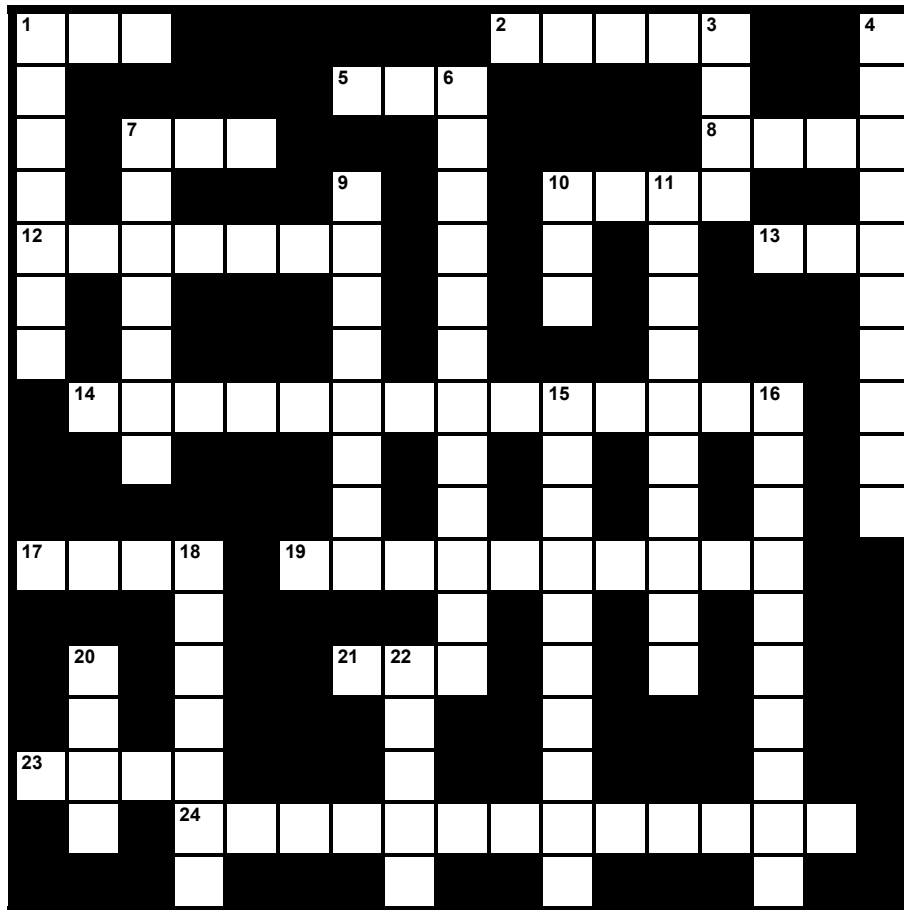


2003-12-14_Audio_Video_17x17

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Across

1 A vacuum tube in which a hot cathode emits a beam of electrons that pass through a high voltage anode and are focused or deflected before hitting a phosphorescent screen. (3)

2 The smallest

discrete component of an image or picture on a CRT screen (usually a coloured dot). (5)

5 A digital display that uses liquid crystal cells that change reflectivity in an applied electric field. (3)

7 Digital audio

format stored in binary form on a small cassette. (3)

8 Video standard primarily broadcast in the United States and Japan which produces 525 lines of video per frame, at a rate of 30 frames per second. (4)

10 DAT stands for digital audio XXXX. (4)

12 Mechanical device consisting of a light balanced arm that carries the cartridge. (7)

13 A device for displaying input signals as letters on a screen; usually has a keyboard. (3)

14 Also called a pixel. (7,7)

17 A digital processing technique that increases fidelity on audio CDs. (4)

19 HDTV stands for High XXXXXXXXX Television. (10)

21 European television standard developed in Germany which broadcasts 625 lines per frame, at a rate of 25 frames per second. (3)

23 A unit of power equal to 1 joule per second; the power dissipated by a current of 1 ampere flowing across a resistance of 1 ohm. (4)

24 The amount of increase in signal power or voltage or current expressed as the ratio of output to input. (13)

Down

1 LCD stands for liquid XXXXXXXX display. (7)

3 A conductor for transmitting electrical or optical signals or electric power. (4)

4 A multi-electrode valve which controls the flow of electrons in a vacuum from electrode to electrode. (6,4)

6 XXXXXXXX
XXXXXX
Amplification is a method of amplifying a signal whereby the output signal is a function of the difference between two input signals. (12)

7 XXXXXXXX
Loudspeaker uses conventional cone and dome drive elements exclusively. (7)

9 The strength of a electrical current measured in amperes. (8)

10 Name for the set of minimum technical

standards for movie soundtracks derived from Tomlinson Holman's eXperiment. (3)

11 Front XXXXXXXXXX
X Television forms an image by projecting a picture from in front of a screen. (10)

15 Ratio of a loudspeaker's acoustical output to a given electrical input. (10)

16 A semiconductor device used in electronic circuit. Common uses include signal amplification and voltage rectification. (10)

18 DAT stands for XXXXXXXX audio tape. (7)

20 XXXX
Projection Television forms an image by projecting a picture from behind a screen. (4)

22 DAT stands for digital XXXXXX tape. (5)