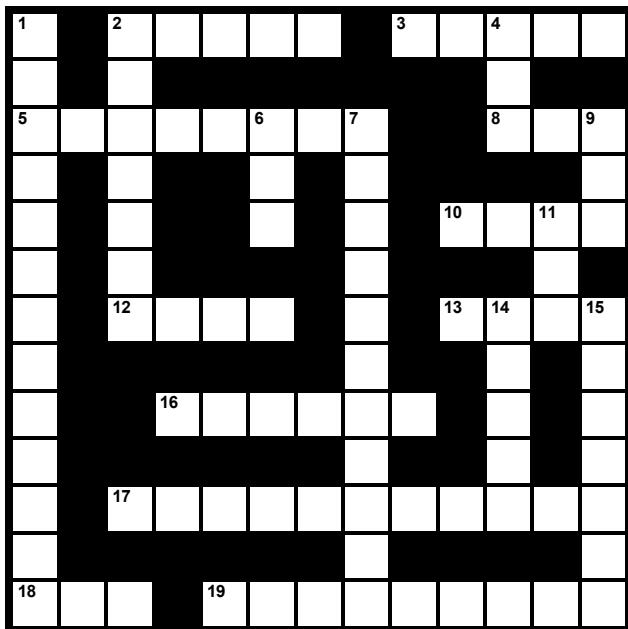


## 2003-12-14\_Audio\_Video\_13x13

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### Across

2 Last name of a US electrical engineer who devised the XXXXX system used to reduce background noise in tape recording. (5)

3 A groove on a phonograph recording. (5)

5 Single unit containing a preamplifier, a power amplifier, and a tuner. (8)

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

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

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

13 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)

16 XXXXXX Loudspeaker produces sound by vibrating a thin, flat transducer, commonly suspended between electrodes or magnets, in response to a signal. (6)

17 Component which reads the binary information from a compact disc and sends this bitstream into an external device for analog conversion. (2,9)

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

19 Electronic equipment that increases strength of signals passing through it. (9)

information from a soundtrack and steers this signal to the appropriate amplification channels. (8,5)

2 A logarithmic unit of sound intensity; 10 times the logarithm of the ratio of the sound intensity to some reference intensity. (7)

4 A program that gives a computer instructions that provide the user with tools to accomplish a task. (3)

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

7 Loudspeaker pair which sits beside or behind the listener in a surround sound system. (4,7)

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

11 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)

14 DAT stands for digital XXXXX tape. (5)

15 A loudspeaker that reproduces higher audio frequency sounds. (7)

### Down

1 A XXXXXXXX XXXXX decoder is a device which extracts the ambient and effects