

## 025:250 COMPOSITION: ELECTRONIC MEDIA I

Nov. 9, 2005

### Post-Production Aesthetics and Techniques

1. Discussion of Claude Shannon's Information Theory and the breakdown between the sender's signal and the receiver's signal.
2. Basic considerations:
  - a) Stereo field:
    - i. stereo image (left-right)
    - ii. stereo depth (reverb, delay, pitch-shift)
    - iii. moving images?
  - b) Volume Balance:
    - i. Foreground, middle ground, background
    - ii. Volume extremes: pain, distortion, noise floor
    - iii. limiting and compression
  - c) EQ:
    - i. restoration, noise removal
    - ii. transparency
  - d) Reverberation:
    - i. wash, ambience
    - ii. tails
    - iii. early reflections
    - iv. interaction between EQ and reverb
    - v. interaction between reverb and stereo imaging
  - e) Shaping sounds with micromontage techniques:
    - i. adding thuds
    - ii. adding noise or breath
    - iii. adding high frequency squeaks and scapes
    - iv. interaction of these these techniques in the stereo field
3. Pro Tools considerations:
  - a) Bounce down
  - b) Creating EQ and reverb tracks
  - c) Volume and pan automation
  - c) Using plug-ins:
    - i. EQ
    - ii. Reverb
    - iii. Limiting/compression (L1 Ultramax)
    - iv. Maxx Bass
4. Evaluation in different environments:
  - a. Studio
  - b. Concert Hall
  - c. Home, car, iPod, boombox, computer speakers, etc.
5. Back-up and alternate versions.