    - Magnetic wire and tape recorders (analog & digital)
    - Digital recording (e.g. to CD, DVD, etc.)
    - Analog input transducers - condenser and dynamic microphones
    - Analog output transducers - loudspeakers
  + Music in the near-term and distant future
    - Human music - culture & society. New kinds?
    - Development of new kinds of musical instruments & technology.
    - Evolution of music in animals? Human - animal music interactions?
  + Sound Analysis Methodology & Analysis of Musical Sounds
    - Complex Harmonic Sound Fields – Euler's eqn., complex immittances, sound intensity, linear and angular momentum density, group and phase velocity, energy density.
    - Examples of Complex Sound Fields – near & far fields of acoustic monopole, dipole, quadrupole, … planar circular piston on oo-baffle…
    - Harmonic/Fourier Analysis/Fourier Synthesis – complex waveforms
    - Pressure and Particle Velocity Transducers
    - Phase Sensitive Measurements – Lock-In Amplifier Techniques
    - Near-Field Acoustic Holography – modal vibrations of drums, cymbals, acoustic guitars, etc.
    - Spectral Analysis Techniques – continuous & discrete Fourier transforms, FFTs, convolution, correlation, autocorrelation, cross-correlation, Wiener-Khinchine theorem, power spectral density, coherence function ….
    - Digital Signal Processing/Digital Filtering
    - Wavelet Analysis

- Physics of Electric Guitar Pickups, modeling EM properties of electric guitar pickups

- Physics of Loudspeakers, modeling of acoustic and EM properties of loudspeakers

- $1/f$ Noise in Human Music

- Diversity/Universality of Human Music

- Sustainability & Environmental Issues for Musical Instruments
    - Use of renewable natural resources for musical instruments – tonewoods….