



Locator Certification Seminar

Syllabus

Class Outline

- 1) What makes current?
 - A) One-way vs. two-way
 - B) The two necessary conductors

- 2) Methods of applying current
 - A) Conductive (Metal-to-Metal)
 - B) Inductive (Non-Metal-to-Metal)
 - i) Broadcast
 - ii) Inductive ring-clamp

- 3) The path that signal (current) will always follow
 - A) Metal to metal
 - B) Non-metal to metal

- 4) Receiving Antennas
 - A) Peak
 - B) Null

- 5) Current (Signal) wants to leave utility equally in all directions
 - A) Magnetism principals
 - B) Methods used to determine shape: round vs. not round
 - i) Peak
 - ii) Null
 - iii) Depth

- 6) Frequencies
 - A) Audio – as compared to A.M.
 - B) Radio – as compared to F.M.

- 7) External Factors that influence quality of signal
 - A) Mother Earth
 - i) Soil type
 - ii) Soil moisture
 - B) Utility
 - i) Composition
 - ii) Insulation
 - C) Frequencies
 - i) Single
 - ii) Multiple
 - D) Far-end Ground (Remote)
 - i) Accessible
 - ii) Non-accessible

- 8) The List of Six—All you need to know about a locating instrument