In my view, the greatest advances in the polygraph profession in the last 100 years, outside of instrumentation, have been in three areas. The first, is the evolution of testing techniques particularly in Zone of Comparison testing. Second, the use of numerical scoring and systemizing chart analysis through a better understanding psycho-physiological indicator of deception; scoring rules; and statistical probabilities. Lastly, the advances in recognizing and understanding countermeasures and the improvements in counter-countermeasures tactics.