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## **Recent progress in Seismic Monitoring of Earthquakes and Nuclear Explosions, and some of what we have learned**

Work at Lamont by several people over the last ten years has led to hundred-fold improvements in seismic monitoring---that is, the ability to detect, locate, and characterize (as earthquakes or explosions) the numerous seismic events being recorded by ever-improving networks. It's like having a new mass spectrometer/telescope/microscope. We can see fault structures in new ways, and monitor North Korea's test site down even for extraordinarily small earthquakes and explosions....