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NEW ALSEP EXPERIMENTS -- Two new items in the Apollo-17 ALSEP array are the lunar ejecta and meteorites experiment (left) and the lunar seismic profiling experiment (right). The first is designed to measure physical parameters of primary cosmic dust particle impacts from space and of lunar ejecta emanating from the sites of meteorite impacts on the lunar surface. It measures direction, mass distribution and speed of both the primary and secondary particles. The second is designed to obtain data on physical properties of the lunar surface and subsurface by generating and monitoring artificial seismic waves and by detecting moonquakes and meteorite impacts. Eight explosive charges, deployed from the lunar rover vehicle within 2.5 kilometers of ALSEP, are to be detonated remotely from Earth after the lunar liftoff. (72-6588)

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