

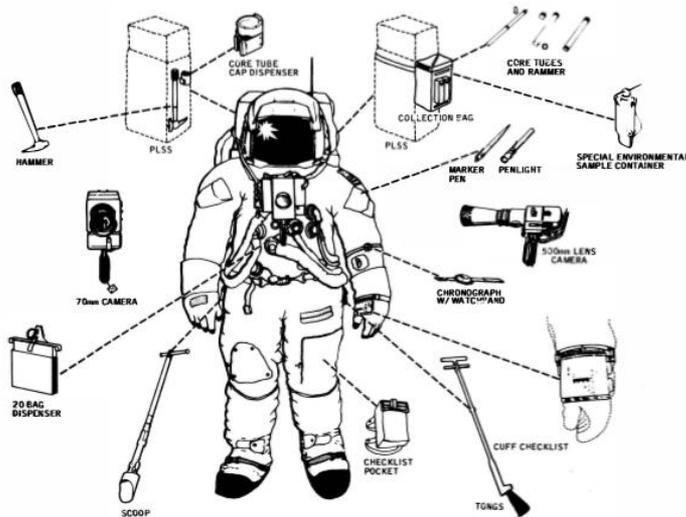
Figure 2: Historical Exploration Sampling Examples



FIGURE 45A.—Scoop with extension handle. Its use in Apollo 12 is shown in figure 45R.



FIGURE 46.—Tongs shown in use on Apollo 12 to collect a small rock. NASA PHOTO 8-71-31675.



Apollo Exploration Equipment and Rover



FIGURE 47.—LRV Sampler. This tool will be used by the astronauts to collect samples of the Moon while seated on the Rover. The tool contains several nested bags. As each bag is used, it is removed and stowed. NASA PHOTO 8-71-59393.

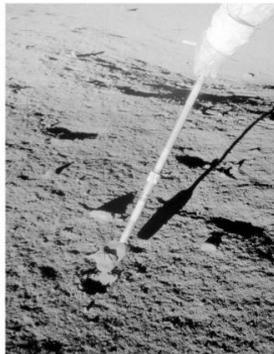


FIGURE 48R.—Note the small rock in the scoop. NASA PHOTO ASI3-49-7313.

Apollo Sample Collecting Tools

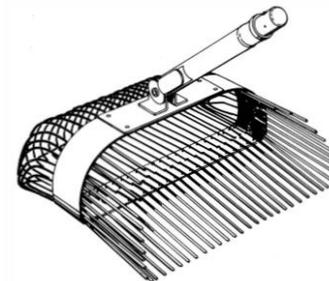


FIGURE 50.—Rake. This tool was used on Apollo 15 and 16 to collect marble-sized rocks.

Apollo Rake and Collection Bags

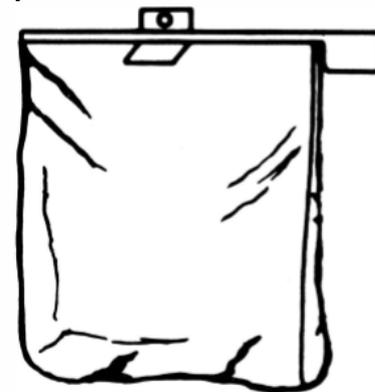


FIGURE 51.—Lunar sample bag. The bag resembles the familiar kitchen item "Baggies." It is made of Teflon. A strip of aluminum is used to close the bag. Each bag has a number printed on the aluminum strip for identification.



Apollo Astronaut Collecting Sample While Seated

	Pre - LRV	Apollo 15	Apollo 16	Apollo 17
EVA Duration (hrs:min)	19:16	18:33	21:00	22:06
Driving Time (hrs:min)	—	3:02	3:26	4:29
Surface Distance Traversed (km)	3.55	27.9	26.9	35.7
Average Speed (km/hr)	0.18	9.20	7.83	7.96
Longest Traverse (km)	—	12.5	11.6	20.3
Maximum Range From LM (km)	—	5.4	4.5	7.6
Regolith Samples Collected (kg)	97.6	77.6	96.7	116.7

291 kg (641 lb) of Soil (Regolith) and Rock Science Samples Returned to Earth

Source: On the Moon with Apollo 17 (NASA EP-101)



Apollo Space Suit Gloves