

A New Sample Return Mission to the Moon: Completing the Apollo Mission Science Goals and Looking Forward to Returning Humans to the Moon

By Charles K. Shearer Ph.D.

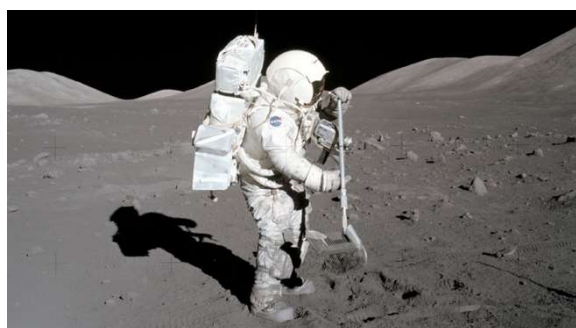
*Institute of Meteoritics, Department of Earth and Planetary Sciences
and Sustainable Space Research Grand Challenge, UNM*



**Thursday May 8, 2025
6:30-8:00pm**

Some of the lunar samples returned by Apollo 17 were stored unopened for 50 years to await new instruments and techniques that did not exist during the Apollo era.

Those samples were opened between 2020 and 2022 and have been undergoing analysis by nine



Dr. Harrison H. Schmitt collecting samples during Apollo 17

research teams from selected institutions, including the Institute of Meteoritics at UNM. The teams, combined into a single research team, are co-led by Dr. Charles Shearer.

Join Dr. Shearer as he presents some of the new discoveries that have been made so far and our increased understanding of our Moon as we prepare for new human lunar missions and the importance of developing a New Mexico Space Economy.

Dr. Charles Shearer is Chief Scientist for the NASA Apollo Next Generation Sample Analysis (ANGSA) Initiative, the science leader of the CASA Moon node of the NASA SSERVI program, and organizer for the UNM Sustainable Space Research Grand Challenge. Currently he is a Senior Research Specialist at the Institute of Meteoritics, and a Research Professor in the Department of Earth and Planetary Sciences, UNM. He is also a Visiting Scientist, Lunar and Planetary Science Institute, Houston. Last year he received the Gilbert Award from the Geological Society of America for outstanding contributions to Planetary Science. He received his Ph.D. from the Univ of Massachusetts, Amherst.



Pre-registration is encouraged. Visit www.nmnaturalhistory.org for tickets and more details. Please note that this lecture is held onsite at the New Mexico Museum of Natural History & Science Planetarium. 1801 Mountain Rd NW. Albuquerque, NM 87104.

PRICE: Tickets are \$8 for the general public, \$7 for Museum members, and \$5 for students. Preregistration is encouraged. Visit www.nmnaturalhistory.org for tickets and more details.