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Summary

The attached bibliography shows the publications that resulted from work supported by NASA grant NAG 9-26. Most of the papers deal with the measurement of cosmogenic radionuclides in extraterrestrial materials. The cosmogenic radionuclide measurements were made by using the technique of accelerator mass spectrometry, which was new at the time the work began. Initially we studied only the nuclides ^{26}Al and ^{10}Be. Over time, thanks to the efforts of Klein and Middleton at the University of Pennsylvania, we added ^{36}Cl and ^{41}Ca.

The research projects deal with most of the known classes of extraterrestrial materials - lunar rocks, lunar meteorites, micrometeorites, and the spectrum of conventional meteorites. The results bear on the production rate systematics of the cosmogenic nuclides and the collisional histories of the extraterrestrial materials. Details can be found in the papers listed in the bibliography.

Among those supported by the grant were post-doctoral associates David Aylmer, Stephan Vogt, and Achim Albrecht, along with several undergraduate students. We benefited from numerous collaborations with both scientists both at home and abroad.

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