

**Title:** Museum of Northern Arizona Photo Archives – Geology Prints

**Dates:** 1930s-1990s

**Name of Creator(s):** Museum of Northern Arizona staff including Leland Abel, John Adair, E. Capps, Harold S. Colton, S. Cooper, Robert Fronske, Marc Gaede, Parker Hamilton, Lyndon L. Hargrave, Neil Judd, A.J. "Lex" Lindsay, P. Long, M. Middleton, T. Nichols, L. W. Smith, C. Turner, W.M. Wells, and Barton Wright.

**Organizational History:**

In 1959, the Photography Department and position of Photographer created by director Dr. E. B. Danson, with Parker Hamilton as MNA's first Assistant in Photography, later that year promoted to Photographer. Prior to 1959, the photo archives were a part of the Publications Department but not under the management of a photographer. In 1960, a large-scale cataloging initiative of new and old prints, negatives, and slides was undertaken. A photography studio and cataloging room was established in Fleischman Hall (now Schaeffer) in 1965. An inventory was made of negatives in June 1969 which noted missing negatives. By the early 1980s the Photography Department became the Photo Archives, reflecting a shift in focus from active photography to preservation of and access to existing materials. An inventory of negatives was done again in February 1988 with notes made of missing negatives. The Photo Archives moved to the Library in 1995.

In 2005, the Photo Archives ceased operation as a department, and staff photography became the responsibility of the Marketing Department while the care of materials and use requests were the responsibility of the Library staff. The Photo Archives were made the responsibility of the Archivist in 2008. In 2013 the Photo Archives was moved from the Library in the Administrative building to the Archives in the Easton Collection Center. In December 2013, extensive conservation work was begun on sections of the Photo Archives with funding from the Institute of Museum and Library Services. Conservation care has continued with funding from a variety of sources like the NEH, Southwest Foundation, and the Arizona Historical Records Advisory Board.

Photographers associated with the MNA Photo Archives are:

- 1963 Paul Long, Jr., Photographer
- 1964 Carol Ruff (ASU), Assistant in Photography
- 1965 Nancy Jo Wright (NAU), Assistant in Photography
- 1966 Albert G. Smith, Photographer
- 1967 Ann Pollock Assistant in Photography
- 1968 Marc Gaede, Photographer
- 7/1969 Gayle Harrison, Photographer
- 9/1969 Glenn Abbeloos, Photographer
- 7/1970 Marc Gaede returns as Photographer
- 1973 Marc Gaede promoted to Chief Photographer
- 1973 Claudia Lucas, Mike Wallach, and Carroll Bennett, Assistants in Photography
- 1974 Mark Middleton and Ruth Eryn Sharp, Assistants in Photography

- 1975 Mark Middleton, Photographer
- 1977 Marc Gaede, Curator of Photography
- 1978 Mark Middleton, Museum Photographer
- 1983 Carol Burke becomes Photo Archivist
- 1994 Susan Olberding Photo Archivist
- 1995 W. James Burns Photo Archivist
- 1996 Tony Marinella Photo Archivist

**Scope and Content:** The Photo Archives contains silver gelatin prints, 35 mm slides (color and black and white), and acetate negatives. Subject covers the Colorado Plateau and the various research areas of the Museum of Northern Arizona. Broad topics include anthropology, archaeology, ethnology, paleontology, geology, Museum history, botany, and meteorology.

**System of Arrangement:** The Photo Archives is divided into series and then into multiple subseries. The series identifiers are listed below. Please review the individual series descriptions which contain tables showing the breakdown into further categories. Please use the identifiers listed in the individual series descriptions when making research requests.

Series Identifier	Series Name	Scope and Content
A	Archaeology and Physical Anthropology	Miscellaneous archaeological specimens from unknown sites, maps, diagrams, reconstructions; photos relating to human biology.
NA	Archaeological Survey	All photos associated with known numbered archaeological sites: views before and after excavation, artifacts, plans, reconstructions, etc.
B	Botany	
C	Crafts and Arts	All photos of art objects, painting, etc. except Native American arts which are placed under individual tribe in Ethnology. Also includes Craftsmen Shows at MNA.
D	Dendrochronology	Photos related to the study of tree ring dating and its use in the dating of archaeological sites.
E	Ethnology	All photos of Native Americans, Native American crafts, house, ceremonies, etc...; classified by tribe name.
EM	Environmental Modification	All photos associated with environmental modification by man and/or economic development in the Southwest.
Fr	Forestry	
G	Geology	
Gg	Geography	
H	History	
M	Meteorology	

N	Northern Arizona Society of Science and Art (NASSA)	All photos of MNA buildings, permanent exhibits, staff, conferences, etc...
P	Petroglyphs	Photos of rock art taken around the Southwest in relation to MNA projects.
Z	Zoology	

**Conditions Governing Access:** Due to cultural sensitivities and federal law, photographs documenting archaeological excavations are restricted to professional archaeologists if they show burials or other information that the tribes deem private. To view these materials, researchers must request permission from the appropriate tribal authority.

**Physical Access:** Materials may be unavailable due to conservation work or staff availability. Please make an appointment with the Archivist to view these materials.

**Conditions Governing Reproduction and Use:** Unpublished and published manuscripts are protected by copyright. Permission to publish, quote, or reproduce must be secured from the repository and the copyright holder.

**Custodial History:** Materials were created by various MNA departments and staff throughout the history of the museum. Please see the Organizational History for information on the creation of this collection.

**Related Archival Materials:** Museum of Northern Arizona Site Archives and Museum of Northern Arizona Institutional Record Group: Anthropology.

**Related Museum Collections:** Museum of Northern Arizona Anthropology Collection

**Publication Note:** Please use the photograph identification number provided by the Archivist in any citations or captions for these images.

**Description Control:** Finding aid created by Patricia L. Walker using DACS, October 2015.

**Series G:** Geology

**Dates:**

**Extent:**

**Scope and Content:**

Series Identifier	Description	Formats	Restrictions and Access
<i>Mineralogy &amp; Crystallography</i>			
G1 – G100	All minerals catalogued alphabetically		
<i>Petrology</i>			
G101	Petrology and Petrography – general		
G102	Igneous Intrusive rocks		

G103	Igneous Extrusive rocks		
G104	Metamorphic rocks		
G105	Sedimentary rocks		
G106	Extra-terrestrial rocks (meteorites, tektites, etc...)		
G107	Xenoliths		
G108	Structures (ripple marks, mud cracks, etc...)		
G109 - G200	OPEN SUBSERIES – NOT USED		
<i>Economic Geology</i>			
G201	Ore Deposits		
G202	Fuels		
G203	Petroleum		
G204	Building Stones		
G205	Clays		
G206	Water		
G207	Gems		
G208	Mines		
G209 - G300	OPEN SUBSERIES – NOT USED		
<i>Regional Geology and Geography (filed alphabetically)</i>			
G301	A		
G302	B		
G303	C		
G304	D		
G305 - G324	E – Z	2 image files	
G325	Regional Geology – United States		
G326	Regional Geology – North America (excluding US)		
G327	Regional Geology – Europe		
G328	Regional Geology – Asia		
G329	Regional Geology – South America		
G330	Regional Geology – Antarctica	3 image files	
G331	Regional Geology – Africa		
G332 - G400	OPEN SUBSERIES – NOT USED		
<i>Paleontology</i>			
G401	Protozoa		
G402	Porifera		
G403	Coelenterata		
G404	Ctenophora		

G405	Annelida & other worm phyla		
G406	Bryozoa		
G407	Brachiopoda		
G408	Mollusca		
G409	Arthropods		
G410	Echinoderms		
G411	Fish		
G412	Amphibians		
G413	Reptiles		
G414	Birds		
G415	Mammals		
G416	Paleobotany		
G417	Tracks & Trails – vertebrates		
G418	Tracks & Trails – invertebrates		
G419	Miscellaneous (includes charts, graphics, etc...)		
G420 - G500	OPEN SUBSERIES – NOT USED		
<i>Stratigraphy &amp; Historical Geology</i>			
G501	Pre-Cambrian – general		
G502	Pre-Cambrian – Older		
G503	Pre-Cambrian – Younger		
G504	Paleozoic		
G505	Cambrian		
G506	Ordovician		
G507	Silurian		
G508	Devonian		
G509	Mississippian		
G510	Pennsylvanian		
G511	Permian		
G512	Mesozoic – general		
G513	Triassic		
G514	Jurassic		
G515	Cretaceous		
G516	Cenozoic – general		
G517	Paleocene		
G518	Eocene		
G519	Oligocene		
G520	Miocene		
G521	Pliocene		
G522	Pleistocene	1 image file	
G523	Recent		

G524 - G600	OPEN SUBSERIES – NOT USED		
<i>Physical Geology</i>			
G601	Weathering and Soils		
G602	Running Water (streams)		
G603	Ground Water		
G604	Lakes and Basins		
G605	Glaciers and Glaciations		
G606	Wind Action		
G607	Oceans		
G608	Mass Wasting		
G609	Volcanoes and Extrusive Volcanic features	10 image files	
G610	Intrusive Igneous bodies		
G611	Hot Springs and Fumaroles		
G612	Speleology – caves, fissures, blowholes, sinks, etc.		
G613	Sedimentary Structures		
G614 - 700	OPEN SUBSERIES – NOT USED		
<i>Structural Geology</i>			
G701	Monoclines, Synclines, Anticlines		
G702	Faults		
G703	Joint patters and lineation		
G704	Concretions, etc...		
G705 - G800	OPEN SUBSERIES – NOT USED		
G801 - G900	Maps & Charts		
<i>National Parks – filed alphabetically</i>			
G901 - G909	OPEN SUBSERIES – NOT USED		
G910	Grand Canyon National Park		
G916	Mesa Verde National Park		
G925	Yosemite National Park		
<i>National Monuments – filed alphabetically</i>			
G927	Bandolier National Monument		
G928	Chaco Canyon National Monument		
G929	Canyon de Chelly National Monument		
G933	Hovenweep National		

	Monument		
G937	Montezuma Castle National Monument		
G938	Navajo National Monument		
G940	Petrified Forest National Monument		
G942	Rainbow Bridge National Monument		
G944	Sunset Crater National Monument		
G945	Wupatki National Monument		
<i>Rivers – filed alphabetically</i>			
G954	Colorado River		
G963	Little Colorado River		
G970	San Juan River		
G974	Walnut Creek		
G975 - G1000	OPEN SUBSERIES – NOT USED		
<i>Geology Summer Assistants</i>			
G1001	See also N7		
<i>Geology Volunteers</i>			
G1002	See also N7		
<i>Geology Research Workers</i>			
G1003	See also N7	4 image files	
<i>Geology Symposia</i>			
G1004	Symposia 1933 – 1984	4 image files	
G1004A	International Upper Mantle Commission		
G1004B	Grand Canyon Symposium		
G1004C	Arizona Geological Symposium		
<i>Geologists</i>			
G1005	Geologists – visiting		
G1006	Geologists – historical		
G1007	Photographs for publication		
G1008	Geologists – international		
<i>Paleontologists</i>			
G1009	Paleontologists – historical		
G1010 – G1100	OPEN SUBSERIES – NOT USED		