

## 35mm Slide Programs

January 2010

Page 1 of 21

\*\*\*\*\*

### Program times are approximate

**1. Life Revealed in the Rocks.** Script, tape, 88 slides, 40 minutes, 1962. Shows geological features, such as the Utah Arches and the Grand Canyon, and pre-historic life in the different eras. By Al Keen, Portland, OR.

**2. Minerals from the Mineral Museum, University of Arizona.** Script, tape, 61 slides, 30 minutes, 1962. Outstanding specimens arranged in Dana order. From the Tucson Gem and Mineral Society, AZ.

**3. Jewelry and Silver Working.** Script, tape, 73 slides, 42 minutes, 1962. Step by step procedures in making jewelry, showing tools and materials. Also cameo carving. By Lula and Lloyd Robertson of the Northwest Federation. Quality of jewelry is outstanding.

**4. Ivory and Ivory Substitutes for Carving and Scrimshaw.** Script, tape, 68 slides, 50 minutes, 1983 AFMS contest winner. By Robert L. Mount, Elmhurst, IL.

**5. Colorado Alabaster.** Script, tape, 59 slides, 30 minutes, 1983 AFMS contest winner. By Michael and Phyllis Madlen, Cheyenne, WY.

**6. How Indians Made Stone Tools.** Script, tape, 76 slides, 25 minutes, 1983 AFMS contest winner. By John A. Pawloski, New Milford, CT.

**7. Aaron's Breastplate.** Script, tape, 23 slides, 40 minutes, 1984. A replica of the ancient Hebrew Breastplate following the specifications given to Moses while he was on the Mount. Script by Carol Anderson, photos by A. Paul Davis. Obtained from Midwest Federation, 1990.

**9. One Hundred Miles of Agate.** Script, tape, 91 slides, 30 minutes, 1962 Northwest Fed. contest winner. Trip along 100 miles of Oregon's spectacular and unsurpassed coast line in search of agate, petrified wood, jasper, and driftwood. By Tualatin Valley Gem Club of Forest Grove, OR.

## 35mm Slide Programs

January 2010

Page 2 of 21

\*\*\*\*\*

**13. Creepy Critters.** Script, tape, 41 slides, 25 minutes, 1988 AFMS contest winner. A very fine "how-to" aimed at elementary school kids. This delightful program shows step-by-step how to make things out of those stones everyone has.

**14. Death Valley.** Script, tape, 68 slides, 30 minutes. The geology and story behind the scenery. Donated by Barbara Binney, Wickenburg, AZ. 1992

**15. Basic, Beginning Geology.** Script, tape, 59 slides, 30 minutes, 1991 RMFMS contest winner. Basic program for use in teaching at schools or other groups. By Stillwater Mineral and Gem Society, Stillwater, OK.

**17. Junk to Jewelry.** Script, tape, 111 slides, 40 minutes, 1962 Northwest Federation contest winner. Shows jewelry made from junk materials and what material was used.

**18. Des Moines Show - 1962.** Script, tape, 91 slides, 30 minutes, 1962. The American Federation Midwest Show. Gift from the Oklahoma City Mineral and Gem Society, OK.

**19. Crystals: Twinned, Unusual, And Rare.** Script, tape, 80 slides, 30 minutes, 1964. Slides taken by a commercial photographer, some under magnification. Specimens not usually seen by the average collector.

**20. Creepy Critters - 2. Shells.** Script, tape, 46 slides, 20 minutes, 1991 AFMS contest winner. A second group of critters, this time using shells. By Carol Anderson, Green Bay, Wisconsin.

**21. Twinning.** Script, tape, 57 slides, 30 minutes, 1963. A fairly advanced program on the twinning of crystals. By Paul Desautels of the Smithsonian Institute. Good for study group.

**23. National Show - Oklahoma City, 1963.** Script, tape, 101 slides, 45 minutes, 1963. Gift from the Oklahoma Mineral and Gem Society, Oklahoma City, OK.

## 35mm Slide Programs

January 2010

Page 3 of 21

\*\*\*\*\*

**24. Oklahoma Rose Rocks.** Script, tape, 75 slides, 35 minutes, 1963.

Pictures of fine barite rose specimens; and the Oklahoma Run, one of the field trips held during the National Show 1963. Gift from the Oklahoma Mineral and Gem Society.

**25. The Illinois Fluorite Story 2.** Script, tape, 114 slides, 37 minutes. 1991 AFMS contest winner. An update of their previous program (our #104) showing changes in the last 3 years.

**26. Focus on Gems.** Script, tape, 79 slides, 37 minutes. Mines and minerals of San Diego, CA; Gem cutting of Idar-Oberstein, Gem Pegmatites of Brazil; and Opals of Coober Pedy, Australia. Purchased from GIA, 1993

**27. A Field Trip in Western Nebraska.** Script, tape, 60 slides, 30 minutes, 1963. Field trip to the South Platte River for various types of petrified wood. Shows some fossils, arrowheads, agate, and chalcedony; the museum buildings at the Scottsbluff National Monument, and at Fort Robinson near Crawford, NE. By Prairie Rockhounds of Ogallala, NE.

**28. Gems and Gem Carvings.** Script, tape, 85 slides, 37 minutes, 1963. Fine gems, faceted and carved. Some crystalline gem material, cabochons, fine art objects of jade, more. Most of the items shown are on display in the Smithsonian Institute and the American Museum of Natural History.

**29. Animals of the Ancient Seas.** Script, tape, 125 slides, 45 minutes, 1963. Good fossil program.

**30. Gems and Minerals of The Bible.** Script, tape, 84 slides, 35 minutes, 1988. This program illustrates the many gems and minerals mentioned in Biblical texts. The narration presents many of the ancient names and uses as well as historical background. Author: Rev. Donald Lichtenfeld. Obtained from Midwestern Federation, 1990.

## 35mm Slide Programs

January 2010

Page 4 of 21

\*\*\*\*\*

- 31. Beginning Lapidary - Cabochons.** Script, tape, 66 slides, 30 minutes. 1988 AFMS contest winner. A great teaching tool for beginners or a refresher course for the more advanced and opportunity to pick up some shop tips as the producers share their approach to making cabochons. By the Stillwater Mineral and Gem Society, Stillwater, OK.
- 32. The Mastodon Factory.** Script, tape, 80 slides, 40 minutes. 1991 AFMS contest winner. Shows how plastic models of dinosaurs and other fossils are made. By the Lincoln Orbit Earth Science Society, Springfield, Illinois.
- 33. Petrified Wood.** Script, tape, 75 slides, 30 minutes, 1963. Many kinds of petrified wood, from various locations. Also scenery in same areas.
- 34. Minerals of Arizona and Mexico.** Script, tape, 97 slides, 40 minutes, 1963. Pictures of minerals; good program for those interested in specimens and for micromounters. Slides by a professional photographer, many taken under high power magnification.
- 35. Tri-state Mining District, Above and Below Ground.** Script, tape, 102 slides, 45 minutes, 1963. Shows rockhounds visiting a mine, and material found. By Bob Young of Wichita, KS. Area has been closed and flooded.
- 36. Some Mineral Locations of Arizona and Its Borders.** Script, tape, 95 slides, 40 minutes, 1963. Shows a number of field trip areas in Arizona, Mexico and New Mexico. Also has closeups of minerals collected in these places.
- 37. Grotto of The Redemption.** Script, tape, 55 slides, 1990. Story of large grotto built by 2 priests with much help. Buildings and formations covered by all kinds of collectible rock, gems, slabs. Located in West Bend, Iowa. Awesome.
- 39. Gemstones of Arizona.** Script, tape, 83 slides, 30 minutes, 1963. Shows a great deal of Arizona gem material and jewelry. By the Maricopa Lapidary Society of Phoenix, AZ.
- 40. Agate.** Script, tape, 93 slides, 35 minutes, 1960's, reprint 1989. Agates from many locations in the western half of the U.S., Brazil, and Mexico. Picture agate, iris agate, pieces of jewelry.

\*\*\*\*\*

**41. Micro-minerals.** Script, tape, 91 slides, 35 minutes, 1960's. Many very fine micromount slides. How to prepare slides, and where to look for material. By Floyd R. Getsinger. Donated by the Mineralogical Society of Phoenix, AZ.

**42. Minerals of The Western U.S.** Script, tape, 89 slides, 35 minutes, 1960's. Minerals of the western states with the exception of Arizona and Oregon. Slides taken by a professional photographer, some under high power magnification. See Program 34 for AZ and OR.

**44. Wyoming Field Trips.** Script, tape, 99 slides, 40 minutes, 1968 contest winner. Shows many views of the beautiful Wyoming scenery, jade and wood localities, also pictures of fossils, agates, and petrified wood. Much jade. By the Natrona County Rock Club, Casper, WY.

**45. Why Thumbnails?** Script, tape, 78 slides, 43 minutes, 1968 contest winner. Shows many mineral specimens. Gives much factual information about a large group of minerals, in a non-technical way, mentioning their uses. By the Wichita Gem and Mineral Society.

**46. Operation Silversmith.** Script, tape, 104 slides, 31 minutes, 1968 contest winner. Step by step through the process of making a hand wrought ring. By the Osage Hills Gem and Mineral Society of Bartlesville, OK.

**47. Geology from a Car Window.** Script, tape, 67 slides, 30 minutes, 1968 contest winner. Elementary geology, telling about the rocks, soils, and geological formations one can see along the highways. By Norman Flaigg, Oklahoma City, OK.

**48. Unusual Displays of the 1970s.** Script, tape, 103 slides. 1990. Slides collected from different shows of one-of-a-kind displays. By Bob Harness, Elk City, OK.

**49. The External Structure of Minerals as a Clue to Their Identification.** Script, tape, 99 slides, 45 minutes, Revised 1993. Fine educational program, acquainting the viewer with the terms used to explain the forms taken by minerals. Actual examples of these structural forms are shown, making the subject matter easily understood. By David E. Jensen.

## 35mm Slide Programs

January 2010

Page 6 of 21

\*\*\*\*\*

**50. Diamond Fashioning.** Script, tape, 36 slides, 25 minutes. Excellent teaching about diamonds and faceting. Program by GIA. Donated by Rick McGavin, Colorado, 1991.

**51. Gems and Ornamental Minerals, Part I.** Script, tape, 117 slides, 45 minutes, 1968. Very well done, shows many gem materials, both rough and finished. By David and Katherine Jensen.

**52. Gems And Ornamental Minerals, Part II.** Script, tape, 108 slides, 45 minutes. 1968. Mostly ornamental type stone. By David and Katherine Jensen.

**53. Jewels and Gems of North Dakota.** Script, tape, 102 slides, 45 minutes, 1968. Shows agates, jasper, and petrified wood of North Dakota. By Stanley Fairaizl, Mandan, ND. Donated by Central Dakota Gem & Mineral Society. Good program.

**54. Future Earthquakes.** Script, tape, 61 slides, 48 minutes. 1995.

**55. National Show in Salt Lake City, 1969.** Script, tape, 94 slides, 35 minutes, 1969. By Elmer Craft, Jr., of Southwest Oklahoma Rock and Mineral Society.

**56. The Physical Properties of Minerals.** Script, tape, 64 slides, 30 minutes, 1970. Shows different minerals and how to identify them by cleavage, fracture, hardness, tenacity, and magnetism. Obtained from the Eastern Federation.

**57. Pikes Peak Pegmatites.** Script, tape, 80 slides, 30 minutes, 1970 contest winner. Shows collecting area and the minerals collected in the Florissant, Colorado, area. By Colorado Springs Mineralogical Society. Revision done by the Colorado Springs Camera Club, 1993. Also on video, 801.

**58. Treasures of Southwest Oklahoma.** Script, tape, 80 slides, 35 minutes, 1970 contest winner. Shows field trip areas with the agate, petrified wood and minerals found. By Southwest Oklahoma Rock and Mineral Society.

## 35mm Slide Programs

January 2010

Page 7 of 21

\*\*\*\*\*

**59. Sand Painting.** Script, tape, 80 slides, 35 minutes, 1970 contest winner. Shows how to make sand paintings and the material necessary. By Norman Flaigg, Oklahoma City, OK.

**60. Wyoming Rock Hunting.** Script, tape, 106 slides, 45 minutes, 1972 contest winner. Shows various hunting areas for petrified wood, agates, oolite, algae, jade. Also shows the lapidary work done on the material. By the Riverton Mineral and Gem Society.

**61. Alibates National Monument.** Script, tape, 62 slides, 30 minutes, 1972. View of various sites in the area, history with artifacts and minerals (flint, agate, jasper, petrified wood, and dolomite) found in the area. By Mrs. Barkley of South Central Federation.

**62. AFMS 25th Anniversary Celebration.** Script, tape, 58 slides, 30 minutes, 1972. History of the Federation, 1972 Convention, birthday cake, specimens in the Smithsonian, and scholarship foundation are shown in this program.

**63. Rocks, Artifacts, and Minerals.** Script, tape, 89 slides, 35 minutes, 1973 contest winner. Field trip in northwest Wyoming and southwest South Dakota showing rocks, artifacts, and minerals collected. By Cambria Rams Rock Club, Newcastle, WY.

**64. Cripple Creek, World's Greatest Gold Camp, Yesterday and Today.** Script, tape, 80 slides, 30 minutes, 1973 contest winner, revised 1993. Tour of Cripple Creek area showing mining activities at the turn of the century and today. By Colorado Springs Mineralogical Camera Club, Colorado Springs, CO. video 802.

**65. Rocky the Rockhound.** Script, tape, 73 slides, 30 minutes, 1973. A tour of Wyoming via the materials found and worked. By the Campbell County Gem and Mineral Society, Gillette, WY.

**68. Hunting the Pike's Peak Granite.** Script, tape, 66 slides, 30 minutes, 1973. Tells what to look for and how to find the minerals in the area, plus some beautiful scenery. By Charles Baldwin and the Colorado Mineral Society of Denver, CO. Good field trip, faded pictures

## 35mm Slide Programs

January 2010

Page 8 of 21

\*\*\*\*\*

**69. Turquoise.** Script, tape, 52 slides, 25 minutes, 1973. Pictures are from the Arizona magazine.

**70. American Mineral Heritage.** Script, tape, 80 slides, 35 minutes, 1974. Shows stamps and minerals in the United States and elsewhere. By AFMS.

**71. The Pre-Columbian Ruins of the Four Corners Area of Colorado, Utah, and New Mexico.** Script, tape, 55 slides, 25 minutes, 1975-76 contest. A trip showing scenery and the ruins of the area. By Don Shaw, member of Southwestern Kansas Gem & Mineral Society.

**72. The Florissant Fossil Beds. From Ancient Lake to National Monument.** Script, tape, 78 slides, 35 minutes, 1975-76 contest entry. Field trip in 1967, with geological information on the area and fossils found. By Colorado Springs Mineralogical Society Camera Club.

**73. Fossils - Fact - Fiction.** Script, tape, 84 slides, 35 minutes, 1975-76 contest winner. Different fossil locations and materials found in northeast Wyoming and Black Hills area. By Cambria Rock Club, Newcastle, WY.

**74. Alaska's Bering Glacier.** Script, tape, 21 slides, 20 minutes. The 1993-4 surge.

**75. Black Hills Gem-o-rama.** Script, tape, 108 slides, 40 minutes, 1976. Shows the minerals, artifacts, fossils, and scenery found in Black Hills area. By Black Hills Mineral Society of Rapid City, SD.

**76. More Rare than Diamonds, or History of a Fossil Location.** Script, tape, 93 slides, 35 minutes, 1977 AFMS contest winner. History of a fossil location; contains many pictures of the kinds of fossils found at the Clarno Fossil Plant location in Oregon. By Oregon Agate and Mineral Society, Portland, OR.

**77. Making Constructed Silver Jewelry.** Script, tape, 80 slides, 35 minutes, 1978 AFMS contest winner. Shows the beginner how to master basic skills in working with silver; then how to combine these skills to make projects of your own design. By Marge Collins, Buchanan, MI.

## 35mm Slide Programs

January 2010

Page 9 of 21

\*\*\*\*\*

**78. The Geology and Minerals of the Rutherford Mines.** Script, tape, 51 slides, 25 minutes, 1978 AFMS contest winner. Maps, drawings, and pictures of the famous Amelia, Virginia mines and the gems and minerals found there. By Howard R. Freeland, Richland, VA.

**79. Creative Lapidary with Reforzado.** (Means reinforced) Script, tape, 92 slides, 45 minutes, 1978. AFMS contest winner. Shows how to cut and shape stones with backing plate – with one or more stones, intarsia -- style. How to salvage a cab that is fractured. By Les Petory, Quincy, IL.

**80. Introduction to Faceting.** Script, tape, 72 slides, 25 minutes, 1978 AFMS contest winner. How and why to facet a stone. By Columbia -Willamette Faceters' Guild, Portland, Oregon.

**81. The Mammoth Site in South Dakota.** Script, tape, 60 slides, 35 minutes, 1979. Pictures of site discovered in 1974 and explains the 'digs.' By Picture City Gem and Mineral Society, Hot Springs, SD.

**83. Gold.** Script, tape, 60 slides, 26 minutes. Micromounts. By Jennie R. Smith. 1995 AFMS winner.

**84. The Quartz Family.** Script, tape, 73 slides, 30 minutes, 1979 AFMS contest winner. Shows the many varieties of quartz; also some of the inclusions found in quartz. By Howard R. Freeland, Richmond, VA.

**85. Field Trip to Oklahoma and the Texas Hill Country.** Script, tape, 74 slides, 30 minutes, 1979 AFMS contest winner. Field trip to the Great Salt Plains at Jet, OK for selenite and to Norman, OK for barite roses; then to other areas for a variety of materials. By Albert L. Gossee, Pensacola, FL.

**86. Lapidary Art.** Script, tape, 116 slides, 45 minutes, 1980 AFMS contest winner. Covers five different phases - making a sphere, doublets and triplets, a ring, a carving, an intarsia. By Tuscarora Lapidary Society of Media, PA.

## 35mm Slide Programs

January 2010

Page 10 of 21

\*\*\*\*\*

**87. Meteorites and Meteorite Craters.** Script, tape, 45 slides, 13 minutes. 1990. Presents almost every known meteorite type, covering basic external and internal characteristics that distinguish meteorites from earth rocks. Several craters are shown and discussed. Professional teaching program.

**88. Photographing Minerals.** Script, tape, 108 slides, 45 minutes, 1981. This program covers cameras, lighting, film, and techniques. By Mrs. Katherine H. Jensen, a well known mineral photographer.

**89. Helps for Making Slide Programs.** Script, tape, 77 slides, 30 minutes, 1981. How to put together an entry for a slide program contest. By Katherine Jensen.

**90. The Story of Glaciers.** Script, tape, 126 slides, 45 minutes, 1981 AFMS contest winner. Presentation of past events and present glaciers of the world. By Frank and Frances Rusche, Portland, OR.

**91. Mines and Minerals of Rush, Arkansas.** Script, tape, 93 slides, 45 minutes, 1982 AFMS contest winner. A history of the mines since 1890, good photography and story. By Mary Ann Burtner. Presented by Earth Science Club of Mountain Home, AR.

**92. A Visit to Selected Wulfenite and Vanadinite Localities of the Southwest.** Script, tape, 113 slides, 45 minutes, 1982 AFMS contest winner. Excellent photography. By Wolfgang Mueller.

**93. The Geology, Minerals, and Fossils of Virginia.** Script, tape, 97 slides, 40 minutes, 1982 AFMS contest winner. By Howard R. Freeland of Appomattox Rock and Mineral Society of Colonial Height, VA.

**94. Lavic Siding - Mohave Desert - Jasper and Agate.** Script, tape, 140 slides, 40 minutes, 1983 AFMS contest winner. Shows the material to be found at the locality along with specific directions to get there. Rough and polished pieces are shown. Some side trips are also featured briefly. By Mrs. Pat Monahan of the Santa Cruz Mineral and Gem Society. Check with local clubs before going,

## 35mm Slide Programs

January 2010

Page 11 of 21

\*\*\*\*\*

**95. The Minerals of Industry.** Script, tape, 130 slides, 40 minutes, 1986 AFMS contest winner. Ordinary as well as exotic uses of minerals in our world today. By J. A. Pawloski Danbury, CT.

**96. Ginkgo Petrified Forest.** Script, tape, 100 slides, 30 minutes, 1986 AFMS contest winner. Examines the characteristics of ginkgo trees, live and petrified, as well as many of the other 200 plus species found in the Forest in central Washington. By Frank and Frances Rusche, Portland, OR.

**97. Lake Superior Agates Naturally.** Script, tape, 140 slides, 45 minutes, 1986 AFMS contest winner. Examples of the numerous varieties of Lake Superior agates, the collecting areas, special hints on effective methods for finding specimens, and examines subtle details and unique features of these agates. By Peter Rodewald, St. Croix, MI.

**98. Snow Crystals.** Script, tape, 73 slides, 20 minutes, 1987 AFMS contest winner. Examines and explains the formation of the many designs of the tiny flakes. It provides many excellent examples of the numerous habits that can be found. By Norma Jaxel, Elmhurst, IL. Photography excellent.

**99. Badlands Bonanza, a Nebraska Field Trip.** Script, tape, 125 slides, 35 minutes, 1987 AFMS contest winner. Program is part travelog, history, and mostly natural history. Field collecting of many fine vertebrate and invertebrate fossils. Mineral specimens are also shown. By Grand Island Earth Science Society, NE.

**100. The Bijou Basin And Big Sandy Creek.** Script, tape, 86 slides, 30 minutes, 1987 AFMS contest winner. Geology, history of early settlers, fauna, and flora of the region. Shows field collection of petrified wood, polished sections, and petrified wood creations. By Colorado Springs Mineralogical Society Camera Club.

**102. The Geology of Big Bend, Texas.** Script, tape, 80 slides, 25 minutes, 1988 AFMS contest winner. Look at the formations that make up the arid beauty of this National Park. An interesting and lively approach to geology. By Carol Anderson of Neville Public Museum Geological Society, Green Bay, WI.

## 35mm Slide Programs

January 2010

Page 12 of 21

\*\*\*\*\*

**103. Pawnee National Grasslands.** Script, tape, 126 slides, 40 minutes, 1988 AFMS contest winner. Type of material found in this area. Program is beautiful to watch and includes some interesting history of the area. By Longmont Gem and Mineral Society of Longmont, CO.

**104. The Illinois Fluorite Story.** Script, tape, 87 slides, 30 minutes, 1988 AFMS contest winner. Study of the deposits, historical significance, and present day economic problems is well presented. By Cathy Palm-Gessner, Macomb, IL.

**106. The Tyrrell Museum of Paleontology.** Script, tape, 59 slides, 30 minutes, 1989 AFMS contest winner. Tour of the Drumheller site in Alberta, Canada where recent finds of dinosaur and mammal fossils were found and are now being excavated. For Juniors as well as adults. By E. Wallace.

**107. Micromounting.** Script, tape, 80 slides, 30 minutes, 1989 AFMS contest winner. Simple, step by step introduction. By the Micromineralogists of the National Capital Area.

**108. Interesting Minerals And Agates.** Script, tape, 55 slides, 30 minutes. Originated in the 1950s by Domer Howard, Oklahoma City, OK. Lovely specimens. Donated by Marion Howard, 1990.

**109. How Fossils are Formed.** Script, tape, 20 slides, 30 minutes. 1990. Describes the processes by which fossils are formed. Discusses altered and unaltered remains, molds and casts, and impressions and footprints.

**110. Volcanos and Volcanic Features.** Script, tape, 54 slides, 30 minutes. 1990. Shows major features of volcanos, including cones, craters, calderas, lava flows, etc. Follows 1973 eruption of Kilauea, Hawaii.

**111. Fluorescence.** Script, tape, 105 slides, 1968. Lovely pictures showing minerals and other items photographed in regular light and UV light. By David and Katherine Jensen. Donated by Rick McGavin, Louisville, CO 1991.

## 35mm Slide Programs

January 2010

Page 13 of 21

\*\*\*\*\*

**112. About Minerals.** Script, tape, 20 slides, 15 minutes. 1990.

Representative sampling of minerals illustrating major mineral groups based on chemical composition, and the six crystal systems.

**113. About Rocks.** Script, tape, 20 slides, 13 minutes. 1990. Representative sampling of igneous, sedimentary and metamorphic rocks illustrating basic characteristics, structure and composition.

**114. How Rocks are Weathered.** Script, tape, 20 slides, 30 minutes. 1990.

Shows the many ways that physical and chemical weathering and gravity work to disintegrate and decompose rocks.

**115. Did You Ever Pick Up a Rock?** Script, tape, 33 slides, 17 minutes. 1990

AFMS Contest winner. Basic introduction to rockhounding for juniors and everyone. By Shirley Greenberg.

**116. Our Changing Land.** Script, tape, 58 slides, 28 minutes. 1990 AFMS

Contest winner. Discussion of how erosion changes the appearance of our land. Shows evidence of many ways our land changes by uplift, erosion, man, etc. By Jennie R. Smith, Northern Virginia Mineral Club.

**\* Programs 117 through 120 are a complete set of teaching programs about fossils, divided by eras and periods, and are professional teaching programs. Purchased 1991.**

**117a. Precambrian Era Fossils.** Script, tape, 24 slides, 8 minutes. Begins the record of life on earth.

**117b. Cambrian and Ordovician Fossils.** Script, tape, 39 slides, 20 minutes.

Comprehensive record of marine life of these periods.

**117c. Silurian and Devonian Fossils.** Script, tape, 48 slides, 20 minutes.

Artistic reconstructions and vivid specimen photos recreate the varied life of these periods

\*\*\*\*\*

**118a. Carboniferous and Permian Fossils.** Script, tape, 41 slides, 20 minutes. Colorful photos and detailed artwork present a picture of life during this time.

**118b. Triassic and Jurassic Fossils.** Script, no tape, 48 slides. Advancement of dinosaurs and the diversification of reptile groups.

**119a. Cretaceous Fossils.** Script, tape, 48 slides, 20 minutes. Dioramas and paintings as well as specimens recreate the plant and animal setting of this period. Dinosaurs are here, too.

**119b. Paleocene and Eocene Fossils.** Script, tape, 42 slides, 20 minutes. The roots of the Cenozoic Era are colorfully portrayed in plants and animals. Green River formation of Colorado emphasized.

**120a. Oligocene Fossils.** Script, tape, 32 slides, 15 minutes. Photos and murals recreate the dominant life forms of this epoch. White River formation of South Dakota emphasized.

**120b. Miocene and Pliocene Fossils.** Script, tape, 27 slides, 20 minutes. Photos and murals recreate the life during this time.

**120c. Pleistocene Fossils.** Script, tape, 26 slides, 20 minutes. Illustrates Ice Age, LaBrea Tar Pits, painting of life, and a diorama depicting the Wisconsin glaciation.

**127. The Many Faces of Calcite.** Script, tape, 97 slides, 40 minutes. 1986 revision. Diagrams and pictures illustrate the diverse forms of calcite. This is a good study program, yet it is clear enough for those with only a casual interest in the mineral that makes water 'hard.' Specimens from many locations included. Revised by Hazel Kuntz. Obtained from Midwest Federation in 1991.

**128. Lizzadro Museum.** Script, tape, 80 slides, 35 minutes. 1987 revision. The Lizzadro Museum houses exceptional works of lapidary art: intarsias, cameos, carved dioramas, gems, and mineral specimens. The spectacular Castle Lizzadro and carved jade objects conclude this very special program. By Russell Kemp.

## 35mm Slide Programs

January 2010

Page 15 of 21

\*\*\*\*\*

**129. Lake Superior Agates.** Script, tape, 100 slides, 40 minutes. A presentation of the various kinds, colors and sizes of Superior Agates. The program explains how glaciers scattered them over a wide area. Lake Superior shore lines are no longer the best source. Models are used to show how each type was formed and colored. Many rare agates are shown. Obtained from Midwest Federation in 1991.

**131. The Minerals of North Sugarloaf Mountain, Bethlehem, NH.** Script, tape, 65 slides, 25 minutes. Shows variety of minerals found on one mountain. AFMS Contest Winner, 1992.

**132. Minnesota's Chatoyant Beauty - Binghamite.** Script, 65 slides, tape, 25 minutes. History of the area, field trip, and specimens are shown. AFMS Winner, 1993. By Gary Witcher of the Coteau des Plaines Gem and Mineral Society, Watertown, South Dakota.

**\* The following 2 programs (134 & 135) are professionally done by Finley Holiday Film Corp. 2 topics are in each program number. Let's go sight seeing! These 2 programs may be reserved for 2 months.**

**134a. The Chaco Phenomenon.** Script, 40 slides, tape, 30 minutes. New Mexico.

**134b. Ancient Indian Cultures of Northern Arizona.** Script, 40 slides, tape, 28 minutes.

**135a. Corals and Reef Animals.** Script, 40 slides, tape, 24 minutes.

**135b. Mesa Verde National Park.** Script, 40 slides, tape, 22 minutes.

**136. Minerals From Lava Flows.** Script, 95 slides, tape, 33 minutes. AFMS Winner 1994. Micromounts from igneous rocks and locations. Program by Fred Schaefermeyer and Jennie Smith, photographs by Paul E. Smith.

**137. Petrified Wood of East Texas.** Script, 95 slides, tape, 24 minutes. AFMS Winner 1994. Program by Bill Alcorn.

## 35mm Slide Programs

January 2010

Page 16 of 21

\*\*\*\*\*

**138. Rocks And Minerals.** Script, 63 slides, tape, 20 minutes. AFMS winner 1994 Junior category. Designed for teaching children grades 4 through 6. By Dallas Gem and Mineral Society.

**139. The Geology of The Alaska Highway.** Script, tape, 82 slides. 1995 AFMS contest winner.

**140. South Dakota Sampler.** Script, tape, 120 slides, 24 minutes. Gary Witcher, Coteau des Plaines Gem and Mineral Society, Watertown, S. Dakota. Tour of South Dakota rock hunting, structures, and rocks. 1995 AFMS contest winner.

**144. Age of the Earth.** Script, tape, 25 slides, 20 minutes. Discussion of dating by radio active decay.

**145. Painted Desert and Petrified Forest.** Script, tape, 40 slides, 30 minutes. Donated by Barbara Binney, 1996.

**146. Mineral Collecting at the Bay Port Quarry.** Script, tape, 90 slides, 34 minutes. 1996 AFMS Contest winner. Field trip, quarry located in Michigan.

**147. Thundereggs.** Script, tape, 89 slides, 28 minutes. Describes and shows thundereggs. 1996 AFMS winner.

**149. California Federation Show, 1964.** Script, tape, 98 slides, 35 minutes. Slides donated by Norman Flaigg.

**150. Montana Moss Jewelry by Ed Klapmeier.** 80 slides donated by Brace Smith of Oklahoma in 1996. No script, no tape necessary, just look and enjoy.

**151. Salt Plains Hourglass Selenite.** Script, tape, 78 slides, 30 minutes. Slides donated by Norman Flaigg.

**152. Displays from 1963 Show in Oklahoma City.** No script, no tape needed, 80 slides. Good displays. Different from Program 23. Donated by Norman Flaigg, and Mrs. Domer Howard. 1996.

## 35mm Slide Programs

January 2010

Page 17 of 21

\*\*\*\*\*

**153. Let's Make A Cabochon.** Script, tape, 50 slides, 30 minutes. Tuscarora Lapidary Soc, 1981 AFMS Contest Winner.

**155. Minerals in Medicine.** Script, tape, 36 slides, 25 minutes. By Shirley Turski, 1997 AFMS winner. How many minerals are used in medications, medical equipment and treatments?

**156. Agate and Wood from Texas Big Bend and Mexico.** Script, tape, 86 slides, 30 minutes. By Ruby Lingelbach. 1997 AFMS and RMFMS winner. Field trip in 1996.

**157. Australia and New Zealand - Through the Eyes of a Rockhound.** Script, tape, 101 slides, 40 minutes. By Joyce and Willis Smith, 1997 AFMS winner. Field trip with rocks and scenery.

**158. Soapstone Carving.** Script, tape, 42 slides, 35 minutes. By Andre Dube, 1997 AFMS winner. Samples and explanation of basic styles of carving, tools, tips, and progress of one piece.

**159. A World of Agates.** Script, tape, 111 slides, 30 minutes. Pictures of wide variety of agates found in this hemisphere. Same history and technical information. By Doug Moore and Don Kelman. 1998 AFMS contest winner.

**160. Mineral Collecting at the Vulcan Quarry, Racine, Wisconsin.** Script, tape, 82 slides, 30 minutes. The wide variety of minerals and habits that developed in one place. 1998 AFMS contest winner.

**161. Agates of the New World.** Script, tape, 140 slides. Along with stunning slides of colorful agates from both North and South America, Doug Moore and Dan Kelman give viewers a wealth of historical and geological information for an entertaining but educational presentation. 1999 AFMS contest winner.

**162. Butterflies in Stone.** Script, tape, 51 slides. Bill Stehouwer's butterflies are so well crafted his exhibit took First Place in 1992 AFMS show. Viewers will see how they too can make agate butterflies with a realistic body and wings thin as a worn dime. 1999 AFMS contest winner.

## 35mm Slide Programs

January 2010

Page 18 of 21

\*\*\*\*\*

**164. Diamonds.** Script, tape, 79 slides. by Jennie & Paul Smith (EFLMS). Micro diamonds are used to tell the story - how they form, where deposits are found, crystal structure, the rainbow of colors, etc. Also this presentation proves the fact that affordable, miniature diamonds are 'lovely to look at' and interesting too. 2000 AFMS contest winner

**165. Pseudomorphs:** Ghosts of Mineral Past. Script, tape, 50 slides, by Michael Shaw (RMFMS). Pseudomorph means false shape and refers to the interesting mineralogical oddities that occur, when one mineral replaces another - in the shape of the original mineral. If this sounds confusing it won't be after you view this program with numerous specimens as examples and clear explanations of the processes involved in their formation. 2000 AFMS contest winner

**166. How Sweet It is, A Trip to the Sweetwater Lead Mine.** Script, tape, 100 slides, by Sharon Waddell (MWF) "Deep in the rolling hills of the Missouri Ozarks lies a geologic feature, the Viburnum Trend". This ore bearing strata has produced world class specimens of galena and associated minerals. The Sweetwater is one of the many mines in this area but opportunities to visit them are rare. Specimens, a look inside the mine and the processes by which minerals are extracted from the ore, are included. 2000 AFMS contest.

**167. Mount St. Helens: A Changing Landscape.** Script, tape, 80 slides. Produced by Friends of Mt. St. Helens & U. S. Forest Service. When we think of a volcanic eruption we think of devastation. But volcanoes shaped the West, provided rich soils and interesting geology throughout the region. This program shows how the area around the volcano has changed in the years since the eruption. (This program was donated to RMFMS by AFMS Endowment Fund)

**168. Lapidary Materials of Oregon** by Norman McKay (RMFMS). Script, no tape, 140 slides. Oregon is noted for the wide variety of lapidary materials found within its borders. We are treated to examples in close-up views showing their unique and interesting patterns. Some field trip info and other tips are also included. 2000 AFMS contest winner and RMFMS contest winner.

\*\*\*\*\*

**169. The Main Ingredients: Rock Forming Minerals.** Script, 48 slides, tape. Only about a dozen minerals commonly form rocks. Knowing them is an important clue to identify specimens you find. Purchased by AFMS.

**170. Sundogs and Rainbows - A Sky Show.** Script, 79 slides, tape. Effects of water (mineral) in the sky. Purchased by AFMS

**171. Rockhounding in Upper Peninsula, Michigan and Ontario.** Script, 102 slides, tape. By Jody Frank. Recounts a trip to the copper mining area in upper Michigan and then on to Bancroft and Cobalt, Ontario. 2001 AFMS Program Contest Winner.

**172. Datolite: Crystals, Diversity and Color.** Script, tape, 65 slides, 36 minutes. By Wayne Sukow. Presents a close-up look at specimens from around the world to have a better appreciation of the unusual mineral. AFMS 2002 winner.

**173. In Search of South Dakota's Fairburn Agate.** Script, tape, 140 slides 47 minutes. Go on a journey to find the colorful, rare species of Fairburns around the Black Hills. Learn how to identify Fairburns and other look-alikes. Doug Moore and Don Kelman show where to hunt, what to look for, and what to look out for. 2002 AFMS winner.

**174. Recovery of the Hyde Park Mastodon.** Script, tape, 72 slides, 31 minutes. By Jay Tinker. Shows the detailed process and complications encountered while extricating and preserving mastodon remains from a backyard pond in New York. 2002 AFMS winner. Also available on CD-Rom 600 and Video 965.

**175. Agate Ober Alles - Agate Over All.** Script, tape, 139 slides, 41 minutes. Agates from around the world. Some history, info about formation and coloring agents included. By Doug Moore & Don Kelman. 2003 AFMS winner. Also on CD-Rom 610, Power Point.

**176. Datolite Nodules - Copper Country Color.** Script, tape, 95 slides, 38 minutes. Nodular form showing the variety and distinctive patterns from Michigan. By Wayne Sukow. 2003 AFMS winner.

## 35mm Slide Programs

January 2010

Page 20 of 21

\*\*\*\*\*

**177. DOGgone - Safety's Important.** Script, tape, 64 slides, 25 minutes. Two dogs (real rockhounds) cleverly tell about safety. By Martha Miss. 2003 AFMS winner. DVD 406, CD 606.

**178. Illinois Fluorite - Remember the Past.** Script, tape, 110 slides, 32 minutes. Shows the museums and overview of the earliest mining activity in the story of fluorite, iron ore and galena. By Dean Stone. 2003 AFMS winner.

**179. The Mysteries of Fossil Identification** Script, tape, 62 slides, 25 minutes.

**180. Those Fabulous Thunder Eggs, Part 1.** Script, tape, 111 slides. By Doug Moore, Don Kelman and others. "Once you've seen one, you've seen them all..." applies to thunder eggs only in one sense - when you can recognize these nodules as distinct from other types, you'll begin to appreciate the variety found around the globe. Examples from worldwide locations are included with information about how and where they form. 2004 AFMS winner.

**181. Recent Collecting, New Philadelphia Mine, Rush, Arkansas.** Script, tape, 61 slides. By Ed Hakesley. The zinc mines near Rush at one time produced very fine specimens of smithsonite -- particularly the "turkey fat" variety. The now abandoned mines are off limits for collecting because of Park status. The author received permission to explore and collect at the privately owned New Philadelphia Mine. Many fine specimens were recovered. 2004 AFMS winner.

**182. Sedimentary and Vein Agates.** Script, 128 slides, tape, 45 minutes. By Doug Moore. Did you know most agates formed in volcanic rocks? Can you recognize varieties that developed in sedimentary environments? What is the general geology and specific characteristics of different varieties? To answer these and other questions, Doug presents outstanding pictures and interesting narration exploring these agates from notable locations in the U.S. and around the world. 2005 AFMS Contest winner. DVD 402, CD 605, and video 966.

**183. Exploring Meteorite and Tektite Mysteries.** Script, 80 slides, no tape. AFMS donation 2005.

## 35mm Slide Programs

January 2010

Page 21 of 21

\*\*\*\*\*

**184. Lake Superior Agates...A New Look... Color, Copper, Plumes and Iris.**

Script, 88 slides, 40 minutes. tape. By Wayne W. Sukow. Did you know that in addition to colorful fortifications, Lake Superior agates often have metallic inclusions and even optical effects? 2006 AFMS winner

**185. Wonder-Full Fossils.** 24 slides, script, tape. 25 min. Script by Connie

Snepp. Some fossils, and stories they tell along with some questions about fossils. From AFMS. 2007

**186. Jewel Cave.** 54 slides, script, tape. By Judith Washburn. 40 min. Jewel Cave is 13 miles west of Custer, SD. From AFMS. 2007

**187. Micro Mounts A to G.** Photography by Lou Varga. Script, 94 slides, no tape.

**188. Micro mounts H to Z.** Photography by Lou Varga. Script, 86 slides, no tape.