

EFMLS PROGRAM LIBRARY

Librarian: Janice Kowalski, 516-319-8883 islandrockhounds@hotmail.com
E-mail is preferred.

When ordering programs be certain to:

1. Give club name and address where program is to be sent
2. List 1st, 2nd, and 3rd choice.
3. Give meeting or presentation date.
4. Please allow 3 - 4 weeks for processing and delivery if possible.
5. If programs are needed on short notice, clubs may request Priority Mail delivery. A charge of \$5.00 will be assessed the club for this service.
6. If Priority service is requested and the fee is not paid with the request or when the program is returned, the club will have its borrowing privileges suspended until payment is received.
7. Programs may be ordered by mail, E-mail, or by phone.

When returning programs be certain that:

1. Programs are returned promptly. Programs are to be mailed back within 7 days of presentation date.
2. You are to insure each SLIDE program for \$100.00. The library only sends copies of VHS and DVD programs to preserve the originals.
3. Slides are in their proper order, video tapes are rewound, scripts and audio tapes included.
4. If you notice a problem with the program, please let the librarian know. Comments are always appreciated.
5. Check with your post office for least expensive rate when returning.

Return all programs to:

EFMLS Librarian	Slides ONLY
Janice Kowalski	Ken Tudor
539 E State St	PO Box 332
Long Beach, NY 11561	Orono ME 04473-0332

Slide Programs / jpeg Programs **Order from Ken Tudor (kentudor@yahoo.com)**

The 35mm slide sets are being converted into jpeg format which will play on many dvd players or newer televisions with computer hook-ups. Scripts will still need to be read. If requesting a slide program in jpeg format, please consult with the librarian as additional lead time may be required for the conversion process.

- 1 Ivory and Ivory Substitutions For Carving And Scrimshaw 60 slides. 1983 AFMS Winner. Showing scrimshaw carvings on ivory substitutes
- 2 Colorado Alabaster 59 slides. 1983 AFMS Winner. How alabaster is formed, mined and carved. An interesting program on alabaster and its lapidary uses.
- 3 One Hundred Miles Of Agates 91 slides. Agates and other findings along the route from Tillamook, Oregon south to Yachats
- 4 How Indians Made Stone Tools 76 slides. 1983 AFMS Winner.
- 5 Lavic Siding, Mojave Desert 140 slides. 1984 AFMS Winner. Jasper and agate from an ancient volcanic territory
- 6 Minnesota's Chatoyant Beauty: Binghamite 65 slides plus audio cassette.
- 7 Oregon Gem Trails 105 slides. 1967. Geological features and collecting areas of Oregon. Agates, petrified wood, thundereggs, obsidian removal methods.
- 8 Trip To Tom Miner Basin, A 91 slides. 1967. Searching for petrified wood, agates, and amethyst in the high country of Montana.
- 9 Illinois Fluorite Story - Part 1, The 86 slides.

- The Shawnee Hills of Hardin County.
- 10 Illinois Fluorite Story - Part 2, The 112 slides. History and current status of Illinois fluorite. An update of part 1 EVENTing changes in the past three years.
 - 11 Gold 60 slides. 1996 AFMS 1st place winner by Jennie R Smith. Comprehensive study of gold in our world.
 - 13 Wildacres 92 slides. All the events of a week at Wildacres including crafts, lectures, fun night, etc.
 - 14 Junk To Jewelry 109 slides. EVENTS equipment made from junk and some finished jewelry.
 - 15 Stones In Religion 95 slides. 1969. EVENTS many religious articles, etc. that use stones for beauty.
 - 16 Geology Of The Alaska Highway, The 81 slides. 1996 AFMS 1st place winner by Margaret Pearson. Extensive coverage of the route plus audio cassette.
 - 17 Minerals Of The Southeast - Minerals Of North & South Carolina 80 slides.
 - 18 Bijou Basin - Big Sandy Creek, Colorado 87 slides. 1986 AFMS winner. Geology, early history, flora, fauna and petrified wood found in this area.
 - 19 Animals Of The Ancient Seas 124 slides. 1967. An examination of the fossil record left by marine life.
 - 20 Life Revealed In The Rocks 87 slides. 1967. EVENTS fossils from the five great eras of geologic time and most of the periods from Arizona, Oregon, Utah, etc.
 - 21 Ginkgo Petrified Forest, Washington 100 slides. 1985 AFMS winner. Geology and the processes of petrification of

ginkgo trees.

- 22 Minerals Of Industry 130 slides. 1985 AFMS winner. Overview of mundane as well as exotic uses of minerals.
- 23 Petrified Wood 66 slides. 1967. Features specimens from all 50 states and details their formation.
- 24 Lake Superior Agates, Naturally 140 slides. 1985 AFMS winner. Numerous varieties are EVENTn, from a range of collecting areas with hints on finding specimens. Examines subtle, unique features.
- 25 Gems & Ornamental Minerals, Rough And Cut - Part 1 116 slides., 1967. EVENTS numerous gem materials, both in the rough and as unfinished stones.
- 26 Gems And Ornamental Minerals, Rough And Cut - Part 2 107 slides. 1967. Similar to Part 1, but devoted to ornamental type stones.
- 27 World Of Fossils 80 slides. 1967.
- 28 South Dakota Sampler 119 slides. 1996 AFMS 1st place winner by Gary Witcher. Extensive coverage of the variety and quantity of South Dakota rocks.
- 29 An Introduction To Faceting 65 slides. 1967. Learn about faceting and the equipment involved. Processes a piece of rough from start to finish.
- 30 Fluorescence 104 slides. 1967. Explains the how and why of these minerals. EVENTS them under both incandescent and ultra-violet light.
- 31 Copper Minerals 56 slides. 1967. More than 30 different copper minerals are EVENTn, with examples of a number of them from various locations. For less advanced audiences.
- 32 The External Structure Of Minerals As A Clue To Their Identification 101 slides. 1970. Illustrates crystal habits and other characteristics.
- 33 California Minerals 47 slides. EVENTS the wide variety of materials found in California.
- 34 Earth's Surface, The 32 slides. EVENTS origins of earth formations.
- 35 Glaciers, Volcanism And Weathering And Their Formations 40 slides. Geological phenomena and effects they had on the earth's surface.
- 36 Intarsia 43 slides. Examples of, and instruction for making intarsia
- 37 Thomsonite 80 slides. 1996 AFMS 2nd place winner. Comprehensive study of the zeolite mineral.
- 38 Badlands Bonanza 125 slides. 1987 AFMS winner. Travel log, history and natural history, plus field collecting vertebrate and invertebrate fossils, minerals.
- 39 Miniatures And Carvings 76 slides. Miniature furniture, tools, vehicles, animals made in stone.
- 40 Calcite In Normal And Ultraviolet Light 80 slides. 1987. EVENTS the fluorescent beauty of calcite from many locations and explains the phenomena.
- 41 White Pine Mine: A Michigan Success Story, The 119 slides. 1996. AFMS 2nd place winner. Descriptive history of copper and other deposits in Michigan's Upper Peninsula.
- 42 Operation Silversmith 104 slides. 1968. The step-by-step process of making a hand-wrought ring. Many jewelry items and semi-precious stones used in making them.
- 43 Hall's Gap Millerite And Associated Minerals 70 slides. 1960.
- 44 A Volcano Is Born 32 slides. A photographic record of the birth and growth of Paricutin Volcano.
- 45 Fossils 66 slides. 1986. Information about and views of many interesting U.S. fossils.
- 46 The Physical Properties Of Minerals 63 slides. 1970. Covers cleavage, fracture, hardness, tenacity and magnetism.
- 47 Investment Casting And Model Making 104 slides.
- 48 Treasures Of Southwest Oklahoma 82 slides. 1970. EVENTS field trip areas with agate, petrified wood, and minerals found.
- 49 Metamorphosis 41 slides. 1986 AFMS winner. EVENTS how to make beautiful butterflies using lapidary arts.
- 50 The Tyrell Museum Of Paleontology 59 slides. 1989 AFMS 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.
- 51 Topaz Mountain, Utah 82 slides. 1971. A trip into Thomas Range to Topaz Mountain, located in west central Utah. Plus audio
- 52 World Of Lapidary 122 slides. Introduction to some phases of lapidary arts, including general procedures.
- 53 Micros 81 slides. 1971. Some of the best specimens in the Pospessel collection of micros.
- 54 Minerals Of The Foote Mine, Kings Mountain, North Carolina 88 slides.
- 55 American Mineral Heritage 80 slides. 1974. EVENTS mineral stamps from all over the world as well as U.S. Also minerals that are worthy of consideration as future stamps.
- 56 Lapidary Artist, The 80 slides. 1975. Top quality carvings in different minerals.
- 57 Turquoise 50 slides. 1973. From Arizona Highways Magazine.
- 58 Geology Of Big Bend Texas 80 slides. 1988 AFMS winner. A scholarly look at formations that make up the arid beauty of this national park. Touches on the lighter human side interspersed with an interesting and lively approach to geology make this a real treat.
- 59 Welcome To Oregon 140 slides. 1989. See the sights in Oregon including collecting sites. Audio cassette included.
- 60 More Rare Than Diamonds 93 slides. 1977 AFMS winner. History of a fossil location contains many pictures of the kinds of

- fossils found at the Clarno Fossil Plant location in Oregon.
- 61 Pawnee National Grasslands 126 slides. 1988 AFMS winner. Here is the study of the type of material found in this area which is very much off the beaten paths. Even if you are not into collecting via field tripping yourself, the program is beautiful to watch and includes some interesting history of the area.
- 62 Cabochons 66 slides. 1988. Is not only a teaching tool for the beginner, but a refresher course for the more advanced and an opportunity to pick up some shop tips on making a cab.
- 63 Introduction To Faceting 72 slides. 1978 AFMS winner. Step by step on how and why to facet a stone.
- 64 Geology And Minerals Of The Rutherford Mines, Amelia, VA. 50 slides. 1978 AFMS winner. Maps, drawings and pictures of the famous Amelia, Virginia mines and the gems and minerals found there.
- 65 Creative Lapidary With Reforzado 92 slides. 1977 AFMS winner. EVENTS how to cut and shape stones with backing plate - with one or more stones, for variety. How to salvage a cab that is fractured.
- 66 Oddities Of The Mineral Kingdom 119 slides. Phenomena that occur in minerals.
- 67 A Field Trip To Oklahoma And The Texas Hill Country 73 slides. 1979 AFMS winner. Field trip to the Great Salt Plains at Jet, OK for selenite; to Norman, OK for barite roses; to other areas for fossils (pink and black limestone containing crinoids and shells suitable for cutting and polishing). Also available on CD-R in jpeg image format with pdf of script on disk.
- 68 The Quartz Family 72 slides. 1979 AFMS winner. EVENTS the varieties of quartz and also some inclusions.
- 69 Mt. St. Helens Eruption 40 slides. 1988. Audio cassette included.
- 70 Lapidary Skills By T.L.S. 116 slides. 1980 AFMS winner. Five different phases of the lapidary arts: spheres, doublets, triplets, rings, carving and intarsia.
- 71 Types Of Gemstones Carving 100 slides. 1980. Proper selection of material, workmanship, quality, etc.
- 72 Micromounting 80 slides. 1989 AFMS winner. The simple step by step introduction to this fascinating area of mineralogy will captivate all rockhounds.
- 73 Treasures Of Tutankhamun 40 slides. 1989. This program EVENTS many of the artifacts that were found in the tomb of Tutankhamun. Audio cassette included.
- 74 Visit To Selected Wulfenite And Vanadinite Localities Of The Southwest 112 slides. 1982 AFMS winner.
- 75 Mines And Minerals Of Rush, Arkansas 92 slides. 1982 AFMS winner. A history of the mines since 1890 with good photography and story.
- 76 Geology, Minerals, & Fossils Of Virginia 96 slides. 1982 AFMS winner.
- 77 Let's Make A Cabochon 49 slides. 1981 AFMS winner. Step by step on how to make a cabochon.
- 78 The Story Of Glaciers 129 slides. 1981 AFMS winner. Excellent presentation of past events and present glaciers of the world.
- 79 Snow Crystals 73 slides. 1987 AFMS winner. Created with middle school students in mind, the program examines and explains the formation of many designs of tiny snow flakes. It provides many excellent examples of the numerous habits that can be found such as plates, stellar shapes and other information. Good for adults too.
- 80 Our Changing Land 57 slides. 1990. How mountains are broken down to flatlands.
- 81 Mastodon Factory 80 slides. 1991 AFMS winner. EVENTS how plastic models of dinosaurs and other fossils are made.
- 82 Bountiful Ohio 68 slides. 1991. Excellent program on geology, minerals, and fossils of Ohio.
- 83 The Minerals Of Sugarloaf Mountain 65 slides. 1992 AFMS winner. EVENTS variety of minerals found on one mountain.
- 84 Minerals From Lava Flows 93 slides. 1994 AFMS winner. The small voids in basalt that were gas bubbles in the molten lava are sometimes the habitat for secondary minerals. Though tiny, often microscopic, these specimens are beautiful. Plus audio.
- 85 Petrified Wood Of East Texas 118 slides. 1994 AFMS winner. Hidden in the tall timber country of east Texas are many sites where fossilized trees are being exposed and can be collected. Several sites and many samples of the colorful wood are EVENTn. Plus audio cassette.
- 86 Making Constructed Silver Jewelry 84 slides. 1977 AFMS winner. The basics of silversmithing.
- 87 Thundereggs 88 slides. 1996 AFMS winner. History / origin of thundereggs and instructions for sawing them.
- 88 Mineral Collecting At Bay Port Quarry 89 slides. 1996 AFMS winner. Corals, fossils, calcite, millerite, white dolomite and many other minerals are found in this Michigan quarry.
- 89 Minerals In Medicine 36 slides. 1997 AFMS winner. An overview of many of the minerals which are used in medication or have therapeutic value. Also available as jpeg images on a CD-R.
- 90 Agate And Wood From Texas Big Bend Mexico 86 slides. 1997 AFMS winner. Details of a field trip taken in 1996. Samples of agates and petrified woods are EVENTn along with tips if travel to these areas.
- 91 New Zealand And Australia - As Seen Through The Eyes Of A Rockhound 98 slides. 1997 AFMS winner. Information on collecting in the land "downunder". Also available as a 26 minute video presentation of 101 slides including narration and music. Please verify format desired when ordering - slide, vhs or dvd.

- 92 Soapstone Carving 42 slides. 1997 AFMS winner.
Samples and explanation of basic styles of carving are EVENTn along with tools, tips, and the progress of one piece - start to finish.
- 93 Mineral Collecting In The Vulcan Quarry - Racine Wisconsin 84 slides. 1998 AFMS winner. Quarrying in the Niagra dolomite layer for building and construction aggregate, calcite, pyrite, markasite, sphalerite, lesser amounts of barite, chalcocopyrite, malachite, fluorite, bitumen/asphalt and fossils.
- 94 A World Of Agates 112 slides. 1998 AFMS winner.
All about agate formation, samples and brief history.
- 95 Agates Of The New World 140 slides. 1999 AFMS winner.
This program describes 5 kinds of agates from the new world: Brazilian, Lake Superior, Fairburn, Mexican and Candor.
This is a good follow up to program # 94.
- 96 Diamonds 79 slides. 2000 AFMS winner by Jennie and Paul Smith.
How and where diamonds are found, their crystal structure and color are discussed.
- 97 Pseudomorphs 47 slides. 2001 AFMS winner.
Pseudomorph means false shape and refers to the interesting mineral oddities that occur when one mineral replaces another in the shape of the original mineral.
- 99 How Sweet It Is: A Trip To The Sweetwater Lead Mine 100 slides.
2000 AFMS winner. World class specimens of galena and associated minerals produced at this world-class site. View specimens, take a trip into the mine and learn how minerals are extracted.
- 100 Mount St. Helens: A Changing Landscape 80 slides.
Produced by the Friends of Mt. St. Helens and the U.S. Forest Service.
- 101 Rockhounding In The U.P Michigan and Ontario 102 slides.
2001 AFMS 1st place winner. The program features favorite collecting sites and mineral samples from this 3000 mile long field trip.
- 102 Butterflies In Stone 50 slides. 1999 AFMS winner.
How to find those lovely butterflies in the stones. How to set them free. Ideal and artful 30 minute program for a lapidary project
- 103 Recovery Of The Hyde Park Mastodon 72 slides.
2002 AFMS 1st place winner by Jay Tinker. This program EVENTS the detailed process and complication encountered while extricating and preserving matodon remains from a backyard pond.
Also available as a powerpoint presentation, please specify format when ordering.
- 104 Datolite: Crystals, Diversity and Color 64 slides.
2002 AFMS 1st place winner by Wayne Sukow. This program presents a close up look at datolite specimens from around the world.
- 105 In Search Of South Dakota's Fairburn Agate 140 slides.
2002 AFMS 1st place winner by Doug Moore and Don Kelman. This program takes you on a journey to collect these agates in the Black Hills of South Dakota.
- 106 Agate All Over 140 slides.
2003 AFMS winner by Doug Moore and Don Kelman. A view of agates from all over the world. Some history, information about formation and coloring agents. Includes audiotape. Also available as for a powerpoint presentation, please specify format when ordering.
- 107 Datolite Nodules: "Copper Country" Color 94 slides.
2003 AFMS 1st place winner by Wayne Sukow. Color nodular forms, including variety and distinctive patterns from various locations. How they are formed and colored is included.
- 108 DOGgone - Safety's Important 65 slides. 2003 AFMS 1st place winner narrated by Marta Miss for Rocky and Nika. Rocky and Nika demonstrate all the importance of safety along with some humor. Suitable for all ages.
- 109 Illinois Fluorite - Remember The Past 110 slides. 2003 AFMS 1st place winner by Dean Stone. An overview of Illinois mining of the past, along with a tour through two museums as well. Includes audio cassette.
- 110 Those Fabulous Thunder Eggs - Part 1 111 slides.
2004 AFMS 1st place winner by Doug Moore, Don Kelman and others. Examples from world-wide locations are included with information about how and where they form. Also available as a powerpoint presentation, please specify format when ordering.
- 111 Recent Collecting At The Philadelphia Mine, Rush Arkansas. 61 slides.
2004 AFMS 1st place winner. Zinc mines and smithsonite, notably the "Turkey-Fat" variety.
- 112 Exploring Meteorite And Tektite Mysteries 80 slides. By NASA / CORE. AFMS Endowment Fund gift. Unlock the mysteries behind meteorites and tektites. Also available as a powerpoint presentation, please specify format when ordering.
- 113 Sedimentary And Vein Agates. 128 slides.
AFMS 2006 "4-Star" award winner by Doug Moore. Exploring sedimentary and vein agates in the U.S. and around the world.
- 114 Mysteries Of Fossil Preservation. 62 slides. By Cecilia Duluk.
See how nature preserves fossils over millions of years.
- 115 Lake Superior Agates 88 slides.
Wayne W. Suklow's 1st place 2006 AFMS presentation looking at Lake Superior agates in a four part program featuring: color; copper; plumes and needles; and the iris effects.
- 116 Wonder-Full Fossils 24 slides. Connie Snapp's look at the "wonder-full" world of fossils including gatropods, brachiopods, plants and dinosaurs with questions during presentation to encourage audience participation. 2007 AFMS gift.
- 117 Jewel Cave 54 slides. By Judith Washburn.

Thirteen miles west of Custer, South Dakota is the fascinating underground world of Jewel Cave. For years this National Monument has delighted, perplexed and continued to lure countless numbers of explorers. 2007 AFMS gift.

Slide Programs For Juniors

- J-1 Creepy Critters 41 slides. 1987 AFMS winner.
This is a very fine "how-to" aimed at elementary school kids. Provides kids with a step by step demonstration on how to make things out of those stones they keep bringing home.
- J-2 Creepy Critters - Part 2 - Shells 46 slides. 1991 AFMS winner.
A second group of critters, this time using shells. Adults will want to make these cuties too.
- J-3 Did You Ever Pick Up A Rock? 33 slides.
1990 AFMS winner by Shirley Greenberg. Basic introduction of rock-hounding for Juniors and everyone.
- J-4 Just For Juniors - "Rocks And Minerals" 61 slides.
1994 AFMS winner by Jennie Smith. Beginning with the three types of rocks, samples of many basic rocks are shown - in place and as samples. Program will be most effective if you have samples that can be passed around.

The following programs would also be of interest to Juniors. Some editing might be required. # 4, 19, 20, 22, 24, 30, 31, 34, 35, 44, 46, 50, 66, 78, 79, 80, 81, 82, and V515, V537, V538, V539.

Video Tapes / DVD's / PowerPoint

Programs have been renumbered slightly to ease placing a request. Please specify format desired (dvd). PowerPoint programs available only where indicated. **Order from Janice Kowalski (islandrockhounds@yahoo.com)**

- 500 Soapstone Carving 0:30. 1988 AFMS Winner.
A "how-to" program of all steps in the craft. For beginners and advanced carvers.
- 501 Yellowstone, Grand Canyon, Yosemite 0:48
Stories of America's great natural wonders.
- 502 Making Venetian Beads 0:18
1980 AFMS winner. Shows how to make enamel beads.
- 503 Cabochon Making 0:30 1988 AFMS winner.
This fine program demonstrates the cutting and polishing of a cabochon. It also demonstrates the equipment needed for these procedures.
- 504 Gemstones Of America 0:57. Gift from AFMS.
How crystals are formed and why they are so rare. See how gems are mined and crafted. Go into vaults of the Smithsonian.
- 505 Tucson Experience, The 0:54. 1992.
Trace the early beginnings from eight dealers in 1955 to the world's largest show.
- 506 America's Buried Treasure 0:20. Prepared by ASARCO, Inc.

- 507 Earth's Natural Treasures 1:18.
Gemstones, minerals, fossils plus lapidary. See gems, minerals and fossils from museums and private collections around the world.
- 508 Story Of The Grand Canyon, The 1:10.
The Grand Canyon - one of the great natural wonders of the world.
- 509 Experience The West 1:00.
Discover the jewels of the west as you experience nature's finest creations - Grand Canyon, Death Valley, Scotty's Castle, Mesa Verde, Arches National Park, Bryce Canyon, Canyonlands, Capital Reef, Dinosaur Monument, Golden Spike, Rainbow Bridge, Timpanogas Cave, Zion National Park, Devil's Tower, Fossil Butte, Grand Teton, and Yellowstone National Park.
- 510 Treasures Of Tucson 0:30. 1993.
Discover the history of the Tucson Gem & Mineral Show as you experience the breathtaking excitement of the extraordinary event.
- 511 Lead In Motion 0:21. Produced by Lead Industries Association.
- 512 Copper 0:29. Produced by Phelps Dodge Corp.
- 513 Lime And The Earth - A Natural Balance 0:27.
Produced by National Lime Association
- 514 Inside Garfield Refining 0:10. A video tour of Garfield Refining Co.
- 515 Deadly Playground, A 0:09.
Produced by the Maryland Department Of Natural Resources. Excellent for the young.
- 516 Wirewrap Jewelry - An Introduction 0:35. 1994 AFMS winner.
All you need to know to design and construct a basic 'wire-wrap' setting for a cabochon including tools, materials and helpful tips.
- 517 Collecting Earth's Natural Treasures 0:51.
AFMS commercial class winner by Creative Vision. An interesting introduction to the fun of collecting minerals, the wonder of fossils and basic lapidary techniques. This is a good overview of our hobby. Includes a stop at the Tucson show.
- 518 Stay Out And Stay Alive 0:11.
A video on the dangers in and around abandoned mines.
- 519 Mining: Discoveries For Progress 0:10. Tells everyone about mining.
- 520 Where Steel Begins 0:15. Made by American Iron Ore Association.
- 521 Chromium 0:25.
From the Bureau Of Mines, U.S. Department Of The Interior
- 522 Mining In Idaho
A series explaining the colorful past, economic and environmental performance of Idaho's mining industry. It is a story of an industry that

- is both important to Idaho and vital to America.
 Part 1: Golden Dreams and Silver Linings 0:07
 Part 2: Mining in the Gem State 0:28
 Part 3: Modern Mining in Idaho 0:07
 Part 4: Modern Mining and the Environment 0:08
 Part 5: Mineral of the Gem State 0:08
- 523 Kuwait: Bringing Back The Sun 0:29.
 Video about putting out the oil fires after Desert Storm
- 524 Greening Of Planet Earth, The 0:28.
 An enlightening documentary that examines one of the most misunderstood environmental phenomena of the modern age. This video examines the role that CO2 plays as one of nature's basic building blocks of life in the process of photosynthesis and the evolution of the earth's biosphere. Evidence is presented to show how current CO2 levels which are 30% higher than in the pre-industrial era, have greatly enhanced the growth of vegetation. Results from controlled studies show how a doubling of CO2 in the atmosphere will increase crop yields, double the water use efficiency of most of the earth's vegetation, and possibly triple the productivity of forests.
- 525 Mining In South Dakota 0:11.
 Showing the rich and colorful history of South Dakota mining and the contributions to the state.
- 526 Introduction To Intarsia 0:26.
 The basics of cutting, polishing, fitting stones for intricate designs.
- 527 Alice Turner Presents Beginning Wire Wrapping - Part 1 1:16.
 1997 AFMS winner for professional production. Basic tools and techniques and how to make an adjustable ring bracelet, cabochon, pendant, cabochon ring and earrings.
- 528 Alice Turner Presents Beginning Wire Wrapping - Part 2 0:53.
 1997 AFMS winner for professional production. This tape shows stacked prong pendant, a chain, butterfly, "Basil's ring" and the simple bead ring.
- 528-B Alice Turner Presents Beginning Wire Wrapping 2:07.
 Combines both Part 1 and Part 2 listed above.
- 529 Intricate Intarsia 0:39. 1997 AFMS winner for professional production. Beginning where Introduction to Intarsia leaves off, this video gives detailed instructions for a more complicated cabochon size mosaic. Basic lapidary skills are not explained.
- 530 Diamonds 0:52.
 An extraordinary look at the beautiful stones that continue to captivate mankind. Shrouded in mystery, intrigue and superstition, diamonds have a long, romantic and often turbulent history.
- 531 Gold 0:52.
 Visit a world of ancient myths and magic, human adventures and tales of amazing wealth and power to understand the vibrant, alluring and dangerous world of gold.
- 533 Stewart Tourmaline Story, The 0:57.
 About the secret world of mining and cutting gems, this video describes the ancient process of mining gem crystals from mineral rich pockets deep below the earth. Find out how tourmalines are discovered, experience the thrill of a dynamic blast, see the process of rough gems into finished jewels, and delve inside one of the world's most famous mines.
- 534 T-Rex "The Real World" 0:35.
 Travel to the actual sites where five skeletons were excavated since 1990. Scientists take you to the dusty prairie and into their laboratories as they uncover ancient bones and exciting secrets.
- 535 Hidden Fury: The New Madrid Earthquake Zone 0:27.
 In 1811 and 12 a series of great earthquakes struck the Mississippi Valley in Missouri. In recent years the earth has been rumbling again, renewing interest in this little known earthquake zone. 3-D maps, animations and "live" scenes tell the story.
- 536 Physical Properties Of Minerals, The 0:42.
 Close-up photography and clear explanation of the basic tests every rockhound should know to determine the identity of unknown minerals. All the physical properties are explained and demonstrated.
- 537 Sugar Quartz And Diamonds: Crystalline Perfection 0:57.
 The properties of crystals, how diamonds are cut: why it is important for ice to float; how stalagmites grow - and many other facts about this 'magic of nature' are included in this lively presentation.
- 538 On The Trail Of The Thick-Skulled Dinosaur 1:00.
 How do we know what dinosaurs looked like? How do we know where to look for dinosaur fossils? In answering these questions, geologists show how being a 'detective' can help to locate previously unknown species of dinosaurs and then describe them.
- 539 Erratic Rocks And Cream City Bricks 1:02.
 Although this presentation uses the City of Milwaukee as the setting, all cities/places are built upon ground that has a long history. This is a journey back through time, explaining the formation of the deposits we live on - the animals that lived here before man arrived - geology brought to life.
- 540 Yellowstone - Imprints Of Geologic Time 0:27.
 Take a spectacular journey through the colorful geologic story of the Yellowstone National Park. Filmed over 4 years, through changing seasons, Yellowstone waves a tapestry of beautiful images to the accompaniment of natural sounds, clear narration, and pleasing music.
- 541 Rock Cycle, The 0:30.

- Understanding the processes and products of an ever changing Earth. "... breathes life into one of the classic concepts of earth science" rocks evolve and transform from one type to another in a never-ending cycle. Through exquisite photography and an innovative approach, THE ROCK CYCLE conveys a sense of wonder and excitement about the connections between earth processes and products."
- 542 Rainbow Of Stone 0:40.
The geologic story of the Grand Canyon National Park is a story about time - immense time. It begins long before the existence of human beings, and long before the North American continent took it's shape... explores the geologic story of the park from the two-billion year old rocks of the Inner Gorge to volcanoes that spilled lava into the remote western portions of the Grand Canyon less than a million years ago.
- 543 Earth Revealed, The - Part 1 - Down To Earth. 0:30.
Surface conditions of the planets Venus and Mars are compared with those of Earth. And scenes of Earth's living landscapes lead into a discussion of how unique Earth truly is. Also, some of the other major topics addressed in this series (plate tectonics, natural resources, seismology, erosion, etc) are introduced in this program.
- 544 Earth Revealed, The - Part 2 - The Restless Planet. 0:30.
Early Greek astronomers believed that Earth was the center of the universe. After the invention of the telescope this notion changed dramatically. This program traces the development of astronomical theory with discussions of the discoveries of Copernicus, Galileo, Kepler and Newton. Unique characteristics of the Earth are also discussed.
- 545 Earth Revealed, The - Part 3 - Earth's Interior. 0:30.
Oil wells do more than produce oil - they serve as windows to Earth's interior. The topic of geophysics and methods used to explore what lies beneath Earth's surface are introduced. Use of seismic wave studies, variations in temperature, magnetic fields, gravity and computer simulations to create models of deep structures are included.
- 546 Earth Revealed, The - Part 4 - The Sea Floor. 0:30.
The mysteries of ocean floor lie hidden under enormous pressure and total darkness. This program looks at the research submersibles and indirect methods used to study the bottom of the sea, providing a glimpse of volcanic activity, formations such as the continental shelf and mid-ocean ridges and life forms that thrive at extreme depths.
- 547 Earth Revealed, The - Part 5 - The Birth Of A Theory. 0:30.
In the 1960s, earth scientists developed the theory of plate tectonics. The development of this theory is traced, beginning with the contributions and methods of geologist Alfred Wegner. Sea-floor spreading, continental drift, paleomagnetism and the primordial supercontinent Pangaea are some of the topics covered.
- 548 Earth Revealed, The - Part 6 - Plate Dynamics. 0:30.
This program examines the movement and interaction of tectonic plates, which account for a vast array of geologic formations and phenomena - from California's San Andreas Fault to the Rift Valley of eastern Africa. Convergent boundaries, subduction, hotspots and the debate over what drives plate motion are also included.
- 549 Earth Revealed, The - Part 7 - Mountain Building. 0:30.
The myth of the mountain as a solid permanent structure is exploded in this program. Animations are used to illustrate the process of orogeny (mountain building) through accretion and erosion. The role of plate tectonics, the rock cycle and how different types of rock are formed in the course of mountain building are also covered.
- 550 Earth Revealed, The - Part 8 - Earth's Structure. 0:30.
A visit to the Grand Canyon lays the foundation for this exploration of rock layers and deformation. Sedimentation, major structures, the methods used to examine them and how petroleum may be trapped inside them are included. Tectonic force and the different types of stress involved in the formation of geologic structures are also covered.
- 551 Earth Revealed, The - Part 9 - Earthquakes. 0:30.
Actual footage of earthquakes and their aftermath are shown with a discussion of the forces that fuel these massive events. Faults, waves and the transfer of energy from the epicenter are explained and the history of the seismograph and Richter scale is presented. Devices being developed to study and eventually predict earthquakes are included also.
- 552 Earth Revealed, The - Part 10 - Geologic Time. 0:30.
The timeline of major geologic events is superimposed onto a 'year', for a condensed view of Earth's evolution. A relationship between this timeline and that of life on Earth is established, with fossils and radiocarbon dating playing a major role in the discovery.
- 553 Earth Revealed, The - Part 11 - Evolution Through Time. 0:30.
The fossil record reveals much about the diversity and development of species. The traces left by early plants, animals and single-celled organisms are examined and the progression of life forms over time is followed. Connections are drawn between atmospheric gases, climate change, rock formation, biological functions and mass extinctions.
- 554 Earth Revealed, The - Part 12 - Minerals: The Materials Of Earth. 0:30.
Minerals have been indispensable to human civilization. The variety of minerals, their atomic and crystalline structures and their physical properties, such as hardness and luster are discussed. Petrologists' methods of sectioning rocks are shown and gems, precious metals, ore excavation and the value of silicates are also included.
- 555 Earth Revealed, The - Part 13 - Volcanism. 0:30.
Volcanoes provide clues about what is going on inside Earth. Animations are used to illustrate volcanic processes and how plate boundaries are related to volcanism. Various types of eruptions,

- craters, cones and vents, lava domes, magma and volcanic rocks are surveyed. The 1980 eruption of Mount St. Helen serves as one example.
- 556 Earth Revealed, The - Part 14 - Intrusive Igneous Rocks. 0:30. Most magma does not extrude onto Earth's surface but cools slowly deep inside Earth. This magma seeps into crevices in existing rock to form intrusive igneous rock. Experts provide a graphic illustration of this process and explain the types and textures of rocks such as granite, obsidian and quartz. Plate tectonics is again shown to be part of the process.
- 557 Earth Revealed, The - Part 15 - Weathering And Soils. 0:30. Cleopatra's Needle' obelisk is severely weathered after only 75 years in New York City, whereas the dry climate of Egypt has preserved similar structures for millennia. This program shows how weather, climate, chemicals, temperature and type of substrate factor into rock and soil erosion. Environmental connections are also considered.
- 558 Earth Revealed, The - Part 16 - Mass Wasting (Landslides, Creep & Slump). 0:30. The tendency for downslope movement of earth under the influence of gravity is often ignored and serious damages result. Various factors in mass wasting, including the rock's effective strength and pore spaces are discussed as are creep, slump and landslides. Images of an actual landslide illustrate the phenomenon.
- 559 Earth Revealed, The - Part 17 - Sedimentary Rocks: The Key To Past Environments. 0:30. Returning to the Grand Canyon, scientists peer into the geologic past. The movement of sediment and its deposition are covered, as are the processes of lithification and cementation that produce sedimentary rocks. Organic components of rock are also discussed.
560. Earth Revealed, The - Part 18 - Metamorphic Rocks. 0:30. The weight of a mountain creates enough pressure to recrystallize rock, thus creating metamorphic rocks. This program outlines the recrystallization process and the types of rock it can create - from claystone and slate to schist and garnet-bearing gneiss. The relationship of metamorphic rock to plate tectonics is also covered.
561. Earth Revealed, The - Part 19 - Running Water I: Rivers, Erosion And Deposition. 0:30. Rivers are the most common land feature on Earth and play a vital role in sculpting the land. The various types of rivers, the basic parts of a river and how the slope, channel and discharge of a river erode and build the surrounding terrain are shown. Aspects of flooding are also discussed.
- 562 Earth Revealed, The - Part 20 - Running Water I: Landform Evolution. 0:30. The Colorado River is a powerful agent - powerful enough to have carved the Grand Canyon. How carving takes place over time; erosion and deposition processed as they relate to river characteristics and type of rock are discussed. The evolution of rivers is covered along with efforts to prevent harmful consequences to humans.
- 563 Earth Revealed, The - Part 21 - Groundwater. 0:30. Approximately three-quarters of Earth's surface is covered by water.
- But most fresh water comes from underground. Topics of this program include aquifers, rock porosity and permeability; artesian wells, the water table, cave formation, sinkholes and how ground water may become contaminated.
- 564 Earth Revealed, The - Part 22 - Wind, Dust And Deserts. 0:30. Land in arid climates is shaped in particular ways. This program shows how deserts are defined by infrequent precipitation and how desertification relates to proximity to the equator, proximity to mountains and ultimately plate tectonics. Images of landscapes illustrate how wind creates features such as dunes, playas, blow-outs and even oasis.
- 565 Earth Revealed, The - Part 23 - Glaciers. 0:30. Many of the world's most beautiful landscapes were made by glaciers. Images of glaciers and glacial landforms are shown and glacial formation, structure, movement and methods of gouging and accumulating earth are explained. How the study of glaciers may help to understand ice ages and the greenhouse effect are also mentioned.
566. Earth Revealed, The - Part 24 - Waves, Beaches And Coasts. 0:30. The dynamic interaction of the energy of the ocean and rocky land masses creates scenic landscapes. The aspects of waves - the types, parts, movement and impact on the shore - are illustrated, along with shoreline characteristics, currents, sea barriers, tides and how the green house effect could impact sea level and coastal lands.
- 567 Earth Revealed, The - Part 25 - Living With Earth - Part 1. 0:30. Scenes of San Francisco before the Loma Prieta earthquake introduce this program addressing how humans are learning to cope with earthquakes. Various groups and agencies are studying the San Andreas Fault and the damage caused along its path to better understand how earthquakes ravage the land. Methods of studying earthquakes are reviewed.
- 568 Earth Revealed, The - Part 26 - Living With Earth - Part 2. 0:30. Since the 19th century, humans have turned to the earth for energy sources to fuel their industry. This program discusses where oil comes from, how it is extracted and how it is converted into energy. The effects of oil drilling and the burning of fossil fuels are also addressed and the potential of alternative energy sources is considered.
- 569 Recovery Of The Hyde Park Mastodon 0:20. 2002 AFMS 1st place winner. (Same as # 103) in video format. This program by Jay Tinker shows the extricating of a mastadon from a pond in Hyde Park near the Hudson River, NY.
- 570 Tree Stories 0:20. 2004 AFMS 1st Place Winner by Ruby Lingelbach. Specimens of Petrified Wood are examined to reveal stories from millions of years ago. Also available as a Quicktime movie.
- 571 Voices In Stone 0:50. New Explorer Series.

- Gift of AFMS Endowment Fund. Mayan pictograms and their secrets. Travel with scientists into a gold mine.
- 572 Mystery Of The Andes 0:50. New Explorer Series. Gift of AFMS Endowment Fund. Travel to the Chilean Andes to collect fossils and search for answers to mysteries.
- 573 Glaciers 0:50. Gift of the AFMS Endowment Fund. Pleistocene Ice Ages and how they sculpted the North American landscape.
- 574 Searching For The Origins Of Life 0:45. New Explorer Series. Gift of the AFMS Endowment Fund. Explore with scientists in Yellowstone Park and collect clues on how life began.
- 575 Minerals, Gems And Ores 0:25. Gift of the AFMS Endowment Fund. Questions and answers about minerals, gems and ores.
- 576 Exotic Terrane 0:27. Analysis of rock formations along the west coast and the Rocky Mountains. An adventure in geology. AFMS Endowment Fund gift.
- 577 Rhodochrosite - Red Treasure Of The Rockies (Sweet Home Mine) 1:27. Silver Mountain Productions. Experience hard rock mining and see the most spectacular natural wonders ever brought to light. Gift of the AFMS Endowment Fund.
- 578 Meteorites - Menace From The Sky 0:42. Acorn Media. Explore how meteorites formed, where they come from and different types.
- 579 Those Fabulous Thunder Eggs - Part 2 0:29. By Doug Moore and Lee Kabat. Mainly Oregon locations showing the diversity of eggs found, the geology and history behind them. 2005 AFMS "4 Star Award" winner. Also available as a powerpoint presentation.
- 580 Sedimentary And Vein Agates. 0:46. By Doug Moore. General geology and specific characteristics of different varieties notably from the US and around the world. 2005 AFMS "4 Star Award" Winner. Also available as a powerpoint presentation.
- 581 Art Of Gem Cutting, The. - Volume 1. 2:00. Fac-ETTE Manufacturing. Selecting, Preparing, Cutting and Cleaning Gem Stones. Gift of the AFMS Endowment Fund.
- 582 Those Fabulous Thunder Eggs - Part 3. By Doug Moore and Lee Kabat. Narrated by Susan Moore. 2006 AFMS winner.
- 583 German Agates By Doug Moore. Narration by John Heu-sinkveld. 2006 AFMS winner. Also available as a powerpoint presentation.
- 584 Rockhounds - The Movie 0:55. Program is broken down into segments on World Class Crystals - Dusty Bones - By Any Other Name - and Dinner And A Show - so you can choose those of interest. 2006 AFMS Excellence In Education winner.
- 585 Exploring Art Clay Silver. Part 1 0:55. Art clay is moldable when wet and becomes pure silver when fired. Jackie Truty shows you the basics with enjoyable projects, tips and techniques. 2006 AFMS gift.
- 586 Amber And Fossils 0:04. A Curriculum Clip production. 2006 AFMS gift.
- 587 Antarctica: Laboratory in a Freezer. 0:25. Depicts the challenges biologists, meteorologists and geologists face in the harsh environment of Antarctica. Analysis of fossils and ancient magma shows past weather patterns. 2006 AFMS gift.
- 588 Fossil Tunnels: Finding Fossils In Caves 0:04. By Sunburst Visual Media. 2006 AFMS gift.
- 589 Geology Of Caves And Caverns 0:34. Program illustrates what water can do below the Earth's surface over long periods of time. Explores important caves, their formation, stalagmites, stalagmites and boxfork formations. 2006 AFMS gift.
- 590 Agates Close-up 0:35. By Doug Moore. Spectacular images of Agates as "eye candy". Specimens from around the world are used to examine common and unusual structures that show how agates are formed in sedimentary and igneous environments. 2007 AFMS winner and gift.
- 591 Kentucky Agate 0:21. Follow Roland McIntosh's hunt for Kentucky agate, prized for its rich and vibrant colors. Takes you from the hunt - to making the finished cabochons - to the display cases of master jewelers. 2007 AFMS gift.
- 594 Mammoths 0:26. PaleoWorld's Tracking Animal Origins Series. The mammoth site in South Dakota provides clues to the mysteries of what cause them to disappear in the Ice Ages. 2007 AFMS gift.
- 598 Geology Why Bother 0:26. An excellent, non-technical exploration of geology in our daily lives - including geologic disasters and geologic resources. Gift from AFMS Endowment Fund 2007
- 599 Umoona Opal Mine And Museum 0:25 Total time. Includes two opal programs that can be presented together or separately. The "Story Of Opal" - an award winning video of the opal from how it was formed, hand mining of the early days to modern mining methods. 0:19. - and - "Eagle Dreaming" - a colorful story of involving a great sea, a lone island and a hungry Eagle - it is the story of the creation of opal as told by Aboriginal people in the regions around Coober Pedy. 0:06.
- 600 Franklin NJ - Fluorescent Capitol Of The World. By Andreas Ruben. 0:22. 2008 AFMS Award Winner. Take a virtual trip to Franklin NJ and learn about fluorescent minerals. Program gives a brief overview of the geology and history of the area and its mines, dumps and museums. A list of online resources provided at the conclusion for more images and information.
- 601 Heart Of The Canyon Country: Canyonlands, Capitol Reef & Natural Bridges. 1:01. Presents the spectacular beauty of three national park areas in the heart of Utah's Canyon Country. Explore the major features

- and geological wonders of each park - including rivers, trails, wildlife, remote areas and more.
- 602 Best Of GeoAmerica : Our Roots In Rock. 0:53 total time. Join geologist Devin Dennie as he explores the natural history of American landscapes and the relationships we all share with them. Includes three mini-programs: 1) "The Black Giant" 0:23. The geology and history of oil in East Texas; 2) "Reef Madness" 0:23. A field trip to the deserts of west Texas and southeast New Mexico to explore the Permian Reef; and 3) "Mississippi Delta Blues" 0:07 The sediments deposited by The River shape the region.
- 603 Living Rock - An Introduction To Earth's Geology. 0:57. Rock structures look solid and relatively stable. However, each has a dynamic continuing history. While most geologic forces move so slowly we don't notice, dramatic events remind us that geologic change is taking place all around us.
- 604 Tumbling Rocks. 1:04 total time. By M. R. Wendt. The tumbling process explained - one step at a time. Segmented programs on tumbling including: Introduction 0:03; Gallery 0:20; Tumbling process 0:19; Tumbler Running 0:04; Tumbler Construction 0:22.
- 605 Precious Metal Clay - Silver In No Time. 0:50. Linda Bernstein's PMC intermediate. Continue the excitement of creating your own fine silver designs in three dimensions with Precious Metal Clay (PMC) which is fine silver after firing.
- 606 Romania's Mines & Minerals. 0:30. By Michael Shaw, Stillwater Mineral & Gem Society, RMFS. Although Romanian minerals are not commonly available in the U.S., many world-class specimens including some rare varieties, have been produced during its' long mining history. Some historical background, location maps, images depicting Romania's mineral diversity, and views of mines round out this presentation.
- 607 Barite – The Gangue's All Here. 0:30. By Larry Havens, Littleton Gem & Mineral Club, RMFS. Using his competitive barite exhibit as a starting point, Larry shares what he learned about this essential mineral: not only a selection of specimens from across this country and around the world with it's varied crystal habits, but also other essential information with a dash of humor (note the title).
- 608 Virgin Valley Opals. 0:04. By Nickolas Riebeek, Rookie Rock Rollers, CFMS. After a family trip to Virgin Valley, Nevada, Nick prepared this presentation for his fellow junior club members showing what he had seen, learned and found at this classis location. Although it is very brief, adults will also appreciate the geology, how opals are collected and some specimens found there.
- 609 Oklahoma Rocks! 0:58. Produced by Explorer Multimedia (www.okgeology.com). Looking for an armchair field trip, or an introduction in advance of an OK expedition? Take a road trip across Oklahoma, visiting State Parks, museums, tourist attractions, and natural areas to learn about the state's rich, interesting geology and natural history by looking at sands, stone and soils and more. 2009 "Excellence in Education Award" Winner.
- 610 Southern Appalachians - A Changing World. 0.25 USGS Some of the oldest mountains on Earth are molded and shaped over eons by volcanism, erosion, glaciation and other geologic forces. 2006. Gift of Kanawha Rock and Gem Club.
- 611 Dinosaur - part 1 - The First Clue - Tale Of A Tooth/ 0:48. Walter Cronkite hosts an A&E presentation. Traces the study of dinosaurs from the discovery of the first tooth and subsequent finds in history.
- 612 Dinosaur - part 2 - The Fossil Rush - Tale Of A Bone
- 613 Dinosaur - part 3 - Birth Of A Legend - Tale Of An Egg
- 614 Dinosaur - part 4 - Giant Birds Of The Air - Tale Of A Feather
- 615 Modern Earth Science: An Introduction. 0:50 total. A two part video program to help introduce students to the modern earth sciences. Includes quizzes. Part 1: 0:20 - A Brief History Of Earth Science. Part 2: 0:15 - Working Earth Scientists Today
- 616 Nanz Aalund Presents Jewelry Workshops. 0:39 total time. Intermediate Level jewelry workshops project "How To's" includes: Metal Bead Bracelet (0:16); Twisted Square wire (0:16) and Helpful Hints (0:07).
- 617 Mexican Agates: Majestic Treasures. 0:24. Brad Cross. Visit areas in Mexico where agates are found and hear history and interesting background information. Wonderful World Of Agates Symposium (WWOA).
- 618 Recent Agate Findings In Germany. 0:23. Klaus Schafer. Sites discovered within the past 20 years yield many varieties of colorful agates. Many close-ups are shown. (WWOA).
- 619 Beauty Of Banded Agates, The. 0:26. Michael Carlson. Images of agates - surplus for his book - are used to show features and characteristics of agates around the world. (WWOA)
- 620 Reflections On Formation Of Agates. 0:17. Rainer Hoffman-Rothe. Specimens from many locations around the world contain features that reveal evidence about agate formation. (WWOA)
- 621 Low Down On Lakers, The. 0:28. Brian Costigan. Non-technical information about the types of "Lakers" (Lake Superior Agates), where to find them and what to do with them. (WWOA)
- 622 Thundereggs Of The U.S. 0:24. Leon Kabat. Nature's overlooked treasures, found in Oregon and other western states. Includes specimens from open to long closed areas. (WWOA).
- 623 Host Rock Of Thundereggs 0:26. John Stockwell. An examination of evidence around the world where thundereggs are found. Are they in welded tuffs or lava flows? (WWOA)
- 624 Mining Agate And Jasper 0:21. Eugene Mueller. (WWOA)

Visit four areas and see examples mined by Mr. Mueller in the U.S. and Mexico. Includes prognosis for locating and mining new areas.

- 625 Agate Creek, Australia 0:27. Don Kelman. WWOA)
Odyssey to the Outback in Queensland Australia searching for agates.
- 626 Lake Superior Agate, The 0:24. Scott Wolter.
An easy to understand explanation of how Lake Superior agates formed and are distributed across many states.
(WWOA)
- 627 Keynote Speaker at WWOA Symposium 0:69. Robert Proctor.
A broad ranging presentation of information about agates.
(WWOA).
- 628 Sweetwater Moss Agates Of Wyoming. 0:10. Burnie Franke.
Travel to Jeffrey City, WY to search for agates. (WWOA)
- 629 Coconut Geodes. 0:19. Brad Cross.
Visit the Las Choyas geode beds in Chihuahua, Mexico. Also, learn why they are called "coconuts". (WWOA)
- 630 Agates Close-Up. 0:23. Doug Moore.
"Macro" views of a wide variety of agates reveal wonderful colors and special details. (WWOA)
- 631 Fairburn Agates. 0:26. Roger Clark. (WWOA)
A number of varieties of agates formed in the Black Hill area of South Dakota. Many are found far from where they formed. A few are "in situ".
- 632 Ribbon Cutting. 0:01.
The opening of the Wonderful World Of Agates Symposium.
- 633 Presentation Of Award To June Culp Zeitner. 0:17.
Tributes to June for all her work as the "First Lady Of Rockhounds".
Includes her description of how she became a rockhound.
(WWOA)
- 634 Exhibits 0:15. Exceptional specimens in 13 displays are shown with commentary by each exhibitor. Fairburns, Lakers, Dryheads, Montanas, Kentucky Agates from here in the U.S. and others from South America and Mexico are included. (WWOA)
- 635 Not Just Rocks - Earth Science Careers 0:15. USGS.
An overview of several earth science career fields within the USGS.
- 636 Sea Monsters. 0:40. National Geographic Society.
Journey back 80 million years and discover the underwater realm of Dolichorhynchops. Intermixes fossil finds and computer generated re-creations.
- 637 Dinosaur Decoded. 0:42. National Geographic Society
Could different looking skeletons actually be different stages of the same species? Jack Horner and associates study this and other questions after recovering fossils from previously unproductive areas as well as skeletons stored away in museums.

- 638 T-Rex Walks Again. 0:50. National Geographic Society.
Scientists and a paleo artist team up to discover the truth about T-Rex and create an accurate, fully skinned mechanical replica of a walking juvenile. Previously unknown facts are revealed in the process.
- 639 Bizarre Dinosaurs. 0:50. National Geographic Society.
Travel the globe with renowned paleontologists who recover lesser known very unusual dinosaurs - some with seemingly strange appendages. Can we learn their purpose? Are they evolutionary "dead ends"?
- 640 Dino Autopsy. 0:50.
A mummified dinosaur is rare. Study and high tech analysis of "Dakota" reveals more than a skeleton can: skin, muscle mass and more, suggests reinterpretation of what is "known" about all dinosaur groups.
- 641 Red Gold And Polished Agates: Upper Michigan's Hidden Treasures. 0:32 by Wayne W. Sukow (Northern Virginia Mineral Club, EFMLS and St. Croix Rockhounds, MWF) AFMS 2011 Program Competition Winner.
In recent years, collectors in Michigan's Copper Country have been finding small but unique agates - in some, the copper is sprinkled as almost microscopic particles twinkling in transparent layers. In others, it coats or replaces fortification bands or fills a larger area within the agate.
Most specimens include associated minerals, in macro and microscopic forms.
A bit of geology and mineralogy is included and Wayne hints that more treasures are in store as these and other agates are studied more closely.
While there is still a chance you can collect copper agates for yourself, you can also use your "silver pick", whether you are interested because of their beauty, the mineralogy or for a lapidary challenge.
- 642 Yellowstone: Imprints Of Geologic Time. 0:40.
An exploration of the complex geologic history recorded in fossils, petrified forests, spectacular landforms, and the constantly evolving landscape of the first U.S. National Park.

Programs 643 through 655 are from The History Channel's series of "How The Earth Was Made" - Season 1.

- 643 San Andreas Fault. 0:48. Los Angeles and other well-populated areas are strung along this fault. How are is it being monitored and studied in hopes of predicting future activity.
- 644 The Deepest Place on Earth. 0:48. The Marianas Trench in the Pacific is 7 miles deep. How are the underwater mountains and volcanoes being explored and what mysteries are being solved?
- 645 Krakatoa. 0:48. Could another dramatic volcanic eruption similar to the one in 1883 that was heard thousands of miles away be overdue?
- 646 Loch Ness. 0:48. Could a prehistoric creature possibly survive in the deep waters of this largest reservoir of water in the U. K.? Its history began billions of years ago...

- 647 New York. 0:48. Millions of years ago mountains as tall as the Himalayas stretched along our east coast. Where did they go and why did those processes make New York City possible?
- 648 Driest Place on Earth. 0:48. Why is the Atacama desert - located in a narrow strip of land between two oceans - drier than any other place? What's its geologic history and other interesting facts.
- 649 Great Lakes. 0:48. Stretching from Illinois to New York, the largest reservoir of fresh water on Earth - like all other geologic features - is constantly changing. How did these lakes form and evolve?
- 650 Yellowstone. 0:48. What is a "super volcano"? See how our first National Park is the result of 16.5 million years of volcanic activity and other geologic forces.
- 651 Tsunami. 0:48. No one expected so much devastation from a relatively modest earthquake in Indonesia on December 26, 2004. Why do we know so little about tsunamis, how are they generated?
- 652 Asteroids. It is only relatively recently that scientists learned that many giant boulders from space have slammed into earth's surface over the eons. See the evidence and learn about the riches they brought - along with devastation.
- 653 Iceland. 0:48. The largest island on Earth is regularly the site of dramatic volcanic activity that may be affecting the climate around the world.
- 654 Hawaii. 0:48. Recent study of these relatively small islands in the Pacific reveal clues to important geologic processes. Their origin is explained along with clues that tell their history.
- 655 The Alps. Why are fossils found 7,000 feet above sea level on Europe's most dramatic natural landmark? Scientists study clues to learn their history and evolution.
- 656 Opal Fever This is a series about untold wealth waiting to be uncovered and those possessed with the feverish hope of riches beyond imagination. 4 parts, each about 25-27 minutes. 1) Overview of Coober Pedy opal mining; 2) Realities Of Mining - Highs and Lows; 3) More mining details including a dug-out home, evaluating rough, an Opal Studies Course, etc.; 4) Buying, selling, evaluation, cutting etc.
- 657 Flintknapping. 0:45. Bruce Bradley demonstrates the fundamentals of the art of flintknapping - the process of stone tool manufacturing.
- 658 Rock Markings - Stories On Stone. 0:41. Six experts study petroglyphs in the context of a living culture in the North American Southwest among the Pueblo peoples.
- 659 Cindy's Cuttlebone Casting. 0:31. Learn cuttlebone casting - this program teaches the melt and pour process, the techniques and equipment needed to create unique stunning jewelry.
- 660 Rhodochrosite - Red Treasure Of The Rockies (2012). 1:27. An updated 2012 edition of program #577. The story of the Sweet Home Mine. Also includes highlights: Nate's Pocket 0:10; Explosions 0:04; and Denver Museums 0:01.
- 661 What's Beneath America? 0:43. Discovery's geological story behind the creation of America's land mass and the remarkable natural resources left behind in the process including gold, coal, oil and iron.
- 662 The Mystery Of The Giant Crystals. 0:50. A journey into the depths of the Earth explores the giant gypsum crystals from the ancient Roman mines of Spain, the Andes and at Naica. *This program will run on most computers, but not on DVD players*
- 663 Arches National Park. 0:50. Explore the breathtaking scenery from the sculptured spans of the Windows section to the Fiery Furnace, Learn the geologic history of how these amazing formations came to be.
- 665 Iris Agate. 0:53. Wayne Sukow presents the photographic work of Pete Rodewald revealing the "iris" phenomenon from unexpected ordinary sources. Eye candy with substance.
- 666 Agates Under The Microscope. 0:26. Doug Moore's program, narrated by John Heusinkveld, shows the fine details and beauty found in agatized fossils, petrified wood and a variety of agates when viewed under the lens of a microscope. Proving there is often much more than meets the eye at first glance.
- 667 Arthur Lakes: Discovering Dinosaurs. 1:00. Beth Simmons and Marjie Paynes present the story of a small town preacher, naturalist and drawing teacher Arthur Lakes and his discovery that would change the course of science in 1877 at a site that would become known as Dinosaur Ridge in Colorado.
- 668 Uncovering Fossils. 0:17. Scientists continually discover fossils that change the way they think about the past. Includes the discovery of an unusually small sauropod, a four winged flying dinosaur, and an opinion that not everything that looks like a feather, is one.
- 669 Nanz Aalund Presents Jewelry Workshops 0:35 total time. Beginners Level jewelry workshops projects: "Cold Connection Brooch" (0:16); "Braided Bezel Earrings" (0:12); and "Helpful Hints" (0:07)
- 670 Caves. 0:43. Planet Earth takes you into a habitat without light that some of the most peculiar creatures on Earth call home. Revealed are some of Mexico and New Mexico's unique underworld passageways and crystal lined caverns.
- 671 Jewel Of The Desert. 0:45. In November 1974 two young men go out to explore the hills outside of Benson Arizona. What they found led to the creation of one of the most unique state parks in America - Kartchner Caverns, the Jewel of the Desert.
- 672 Garnets - An Overview. 0:38. By Carol Devine (NFMS). 2014 AFMS Winner. How many varieties and colors of garnets are there? Where are they found? If you want to collect or buy garnets, how do you decide / learn their value? These are only a few of the questions answered by Carol.
- 673 Hunting Kentucky Agates. 0:33. By Susan & Jim Beck (MWF). 2014 AFMS Winner. Would you recognize a Kentucky agate if you saw one on a dealer's table without a label? Would you like to collect some for yourself? Tag along on a trip to learn how they formed, where they are found, why they are coveted, etc. You'll be ready to go

- after seeing this!
- 674 Can You Dig It? 0:18. By Mei, Brandon & Douglas Poy (MWF). 2014 AFMS Winner. Though produced for "Juniors", this program is neither simplistic nor juvenile. Mei and her brothers offer a fast paced introduction / review, that is illustrated with excellent graphics, their own illustrations and specimens.
- 675 Intro To Lost Wax Casting. 0:45. Produced by Rio Grande. Starts with a brief history of casting, then how a model is "invested" in a special plaster; burned out and how molten metal is forced into the mold. Many tips and a section about problem solving is included.
- 676 Easy Electroforming For Jewelry. 0:40. Produced by Interweave. Eight projects demonstrating all the techniques used to take "found" and organic objects and create unique jewelry. Preparation, coating and finishing are included.
- 677 Stone On Stone Setting. 0:52. Produced by Interweave. Step-by-step demos of drilling stone so they can be layered one on another; make bezels for ordinary or unusual, secure settings. Texture and use of varied metals is also explored with innovative jeweler, Michael Boyd.
- 678 Bezel Gemstone Setting. 0:22. Produced by Robert R. Wooding. Unit 12 from Workshop Series. Based on Mr. Wooding's "Diamond Setting Manual", instructions are illustrated with close-up views of each step to create bezel settings for faceted gemstones. Alternatives ways to cut bearings, making the stone secure and options for finishing, etc. included
- 679 Eyewitness - Rock And Mineral. 0:29. Produced by DK Publishing. Fast paced presentation shows how rocks change over time and record Earth's history. And how minerals have influenced civilizations from use of build - ing materials to the cause of wars, and are essential for our way of life.
- 680 Eyewitness - Volcano. 0:29. Produced by DK Publishing. Although we think volcanoes bring about total destruction, quite the opposite is the end result. Within a few years, new life is abundant in fertile soil. Igneous rocks provide possibilities for mining for metals, minerals and gems that form in the longer term.
- 681 Prehistoric Predators - Monster Shark. 0:50. National Geographic series. Scientists use the fossil record to investigate the true shape, size and behavior of Megalodon two million years after it's disappearance.
- 682 Prehistoric Predators - Terror Bird. 0:50. National Geographic series Presenting the only time in history when a 6 foot, 400 pound bird is considered the top predator in South America that migrated to North America.
- 683 African Graveyard 1 - Hunting Dinosaurs. 0:26. PaleoWorld. A team of paleontologists led by Paul Sereno begin a 60 day journey into the Moroccan desert in search of African dinosaurs.
- 684 African Graveyard 2 - Discovering Dinosaurs. 0:25. PaleoWorld. Paul Sereno's team discover two deadly new predators challenging scientists to explore Africa's unique role in dinosaur evolution.
- 685 Flesh On The Bone. 0:25. PaleoWorld. Experts painstakingly piece together bones and fragments of the Sereno team's two new dinosaurs and reconstruct what the animals probably looked like in the flesh.
- 686 Ape-Man. 0:25. PaleoWorld. The study for man's earliest known ancestors compares the fossils of Australopithecus "Little Foot", "Lucy" and newer finds such as "Stw 431".
- 687 Trail Of The Neanderthals. 0:25. PaleoWorld. Were the Neanderthals ancestors of modern man, or a different branch of their own. Debating the fossil evidence on the links between the Neanderthal and Homo Sapiens.
- 688 Missing Links. 0:25. PaleoWorld. How did our ancestors develop the means to defend themselves against predators? Exploring the evolutionary twists and turns of man's emerging intellect replacing ape-like behavior.
- 689 Mysteries Of Extinction. 0:25. PaleoWorld. After 250 million years of domination, the dinosaurs suddenly disappear. Did they perish due to a giant asteroid impact, climate change or a serial killer style plague.
690. The Legendary T-Rex. 0:25. PaleoWorld. The ongoing debate regarding T-Rex as either a fierce hunter or a lonely scavenger. Evidence that they may have lived in packs and took care of each other.
- 691 Carnosaurs. 0:26. PaleoWorld. The Badlands of Alberta Canada and Argentina provide a treasure trove of dinosaur remains. Carnosaurs dominated the animal world as none have since. As fossils are unearthed, scientists are beginning to understand the evolutionary forces that gave rise to these amazing creatures.
692. Horns And Herds. 0:26. Scientists are learning more of the best loved and least understood - the Ceratopsians due to a mysterious mass death bed found in Canada. Were their horns designed for defense or did they serve other purposes?
- 693 Monsters On The Move. 0:25. PaleoWorld. The study of track ways found in Utah and Australia tell stories of the life of dinosaurs along migration routes and watering holes - including those of hunters and prey.
- 694 Dinosaurs In The Snow. 0:26. Paleoworld. In 1985 dinosaurs were found in the frozen hills of the arctic. Did they survive the cold and darkness of winter, or migrate 2,000 miles south and

back each year?

695 Mystery Of Dinosaur Cove. 0:25. PaleoWorld. Was Australia the cradle of Dinosaur evolution and its final refuge before extinction? Discoveries that are changing the thought of "settled science" are coming to light in the land Down Under.

696 Sea Monsters. 0:25. PaleoWorld. While dinosaurs stalked the earth, the oceans had their own giant predators including plesiosaurs, mosasaurs, and carcharodon megalodon. Did these just disappear or do smaller descendants thrive in the oceans today?

697 Back To The Seas. 0:25. PaleoWorld. A look at mesonychids - wolf-like mammals where evolution reversed itself as they returned to the seas to become the whales we know today.

698 The Earthshakers. 0:25. PaleoWorld. In 1988 the bones of Argentinosaurus Huinculensis are unearthed in Argentina. This and other giant-sized sauropods are studied. Are larger ones yet to be discovered?

699 Mistaken Identity. 0:25. PaleoWorld. Some of the comedy of errors made in the early study of dinosaurs in the rush for knowledge, glory and profit over scientific fact.

700 Island Of Giant Rats. 0:25. PaleoWorld. The rediscovery of giant rats weighing up to 300 pounds whose remains were found in a 70 foot deep pit on the Caribbean island of Anguilla.

701 Dawn Of The Cats. 0:25. PaleoWorld. Extinction may not be forever. Paleontologists study the saber-tooth cat's repeated reappearance and speculate if it may reappear yet again.

702 Boneheads. 0:25. PaleoWorld. A look at dinosaur skulls with protruding domes up to 8 inches thick. Were they for protection, head butting, or ??

703 Armored Dinos. 0:26. PaleoWorld's look at how dinosaur teeth, claws, slashing blades and defensive armoring made dinosaurs the tanks of their day.

704 Dino Diet. 0:25. PaleoWorld. What the dinosaurs ate and how they obtained and digested it was as specialized as the dinosaurs themselves.

705 Dino Sex. 0:25. PaleoWorld. How did dinosaurs attract mates? Were they indifferent parents or protective nurturers?

706 The Land That Time Forgot. 0:25. PaleoWorld. Pre-dinosaur era tracks and fossils offer a glimpse of life 250 to 300 million years ago in the Permian age - the age of the reptiles.

707 Treasure Island. 0:25. PaleoWorld. 85 percent of Madagascar's life forms are unique. Its fossil record is unveiling clues to the myster-

ies of life there.

708 The Amber Hunters. 0:26. PaleoWorld. Amber as "Fossil Gold" can contain trapped insects, plants, or small creatures and preserves for study the soft tissue and DNA from ancient worlds.

709 Dino Docs. 0:25. PaleoWorld. Using paleopathology, scientists are uncovering amazing details about life in the distant past. Were they warm or cold blooded - intelligent - has ancient DNA survived?

710 Rise Of The Predators. 0:25. PaleoWorld. See how dinosaur body development propelled them to global domination for 65 million years, Join paleontologists as they solve some of the mysteries surrounding these predators.

711 Troodon - Dinosaur Genius. 0:25. PaleoWorld. The large brained Troodon forces scientists to change their theories of dinosaur intelligence.

712 Tale Of A Sail 0:25. PaleoWorld. The Dimetrodon, a protomammal, had a sail protruding along its spine. Was this used as a cooling device or to entice and defend its mates?

713 Ancient Crocodiles. 0:25. Paleoworld. Crocodiles have been around since the age of the dinosaurs. That these predators of land and water have survived several extinction periods testifies to their durable and deadly design.

Rochester Mineral Symposium Series

The following are lectures presented at the Rochester, NY Mineral Symposia. These are recommended for individual or small group viewing. **These must be ordered by the club program chairman.**

R-001 Minerals Of Cornwall, PA. By Pat Brookmyer. 0:59. 1987.

R-002 Intergrowths And Overgrowths In Minerals. By Abe Rosenweig. 1:12. 1987.

R-003 Paper Minerals, History And Illustrated Specimens. By Dick Hauck. 0:53. 1987.

R-004 Indiana Minerals. By Terry Huizing and Rick Russell. 1:02. 1987.

R-005 Techniques Of Mineral Preparation. By Jim Walker. 1:06. 1987. Good information on a variety of techniques to remove unwanted matrix and coatings. Head and shoulders presentation, first 45 minutes then a variety of mineral "before and after" examples. Due to age of presentation, color has degraded significantly. Some correction may be possible by adjusting color on set.

R-006 Mineralogy Of The Lanthanide Rare Earths By Dick Carter. 1:14. 1987.

R-007 Gem And Mineral Exploration In Pakistan By Anthony Mariano. 0:57. 1987.

R-008 High Manganese Tourmalines From Baja, California, Norte Mexico 0:46. By Robert Jones. 1988.

- R-009 Minerals Of Madagascar By Richard Gaines. 1:42. 1988.
- R-010 U.S. Mineralogy In The Early 19th Century 1:17. 1988.
- R-011 Reminiscences By Dr. Fred Pough. 0:56. 1988.
- R-012 Collecting Collectors By Richard Hauck. 0:54. 1988.
- R-013 Zoning In Minerals: Properties, Potentials And Problems
By Paul Hlava. 1:13. 1988.
- R-014 Classic And New Minerals From Binn Valley Including The Lengbach
Quarry. By Erich Offermann. 1:03. 1988.
- R-015 Trends And Perspectives In Mineral Photography
By Dr. Stephen C. Chamberlain. 1:02. 1989.
- R-016 35mm Mineral Photography For The Amateur.
By Erich Offermann. 0:53 1989.
- R-017 Lighting Effects. By Dr. Wendell E. Wilson. 1:38. 1989.
- R-018 Glass As A Photographic Background. By Jeffery A. Scovil. 0:49.
1989.
- R-019 Photomicrography By Vandall T. King. 1:04. 1989.
- R-020 Photographing Phenomenal Gem Stones
By Robert Weldon. 0:53. 1989.
- R-021 Henry A. Ward: Merchant Naturalist
By Dr. Sally Gregory Kohlstadt. 0:48. 1989.
- R-022 Mining History Of The Lake Superior Copper District 0:24
By Stanley J. Dyl, II. 1989. Program joined in progress.
- R-023 Minerals And Localities Of Virginia By Dr. Lance Kearns. 0:42.
1989.
- R-024 Work Of The Commission On New Mineral Names Of The International
Mineralogical Association By Dr. Joseph Mandarino.
1:15. 1989.
- R-025 Crystal Shapes : Theory And Practice. Dr. John A Jaszczak. -
- R-026 Crystal Shapes In Nature By Dr. R. Peter Richards. 1:00. 1989.
- R-027 What's New In Minerals And Localities By George Robinson,
Van King and Friends. 1:55 (total time). 1989. Includes approximately
20 minutes of questions and answers prior to this
program's start.
- R-028 Mineralogical Memories Given by Dr. Cornelius S. Hulbut. 1:03.
1989.
- R-029 Recent Work By Dr. Wendell Wilson, editor and publisher of the
Mineralogical Record, mineral photographer and artist. 0:56.
1989.
- R-030 Collecting Minerals In Switzerland In Early Times And Now
By Dr. Erich Offermann. 0:59. 1989.
- R-031 Habit and Tracht: A Review Of The Many Different Ways And
Environments In Which Quartz Forms By Si Frazier. 1990.
- R-032 Florescence: Franklin, New Jersey vs The World 0.32.
By Dick Bostwick and Manuel Robbins. 1990.
- R-033 Pseudomorphs By Dr. Carl Francis. 1990.
- R-034 Mineralogy And Geology Of Gem-Bearing Pegmatites Of San
Diego County, CA By Dr. Eugene E. Foord, USGS. 1990.
- R-035 Fluid Inclusions In Crystals: Clues To The Geologic Past
By Dr. Edwin Roedder. 1990.
- R-036 Crystals - Perfect And Imperfect, Understanding Whiskers,
Dendrites, Twins, Inclusions, Etc. By Dr. Paul Desautels. 1990.
- R-037- pt.1 What's New In Minerals And Localities - 1990. Part 1.
By George Robinson, Van King and Friends. 1990.
- R-037-pt.2 What's New In Minerals And Localities - 1990. Part 2. 1:15
By George Robinson, Van King and Friends. 1990.
- R-038 Ten Days Photographing At The British Museum. By Rock Currier.
1990.
- R-039 Reminiscences 2 By Dr. Fred Pough. 1990.
- R-040 Sights Sounds And The Silent EVENT 0:11. Field Mineral Collecting In
The United States by Stan Esbenshade. 1:01. 1990.
- R-041 Charles Upham Shepard, Mineralogist. A 19th Century Mineralogist.
By Dr. Gloria Robinson. 1990.
- R-042 Mineralogy And Origin Of Topaz. 0.44. By Dr. Eugene Foord.
1991.
- R-043 Ancient Mining District Of St. Marie Aux Mines, France. 1.17
By Dr. Eric Asselborn. 1991.
- R-044 B.C. Mineralogy: A Story About Mineral Collecting By Joe Nagel.
1991.
- R-045 Amethyst Localities In The Eastern United States.
By John S. White. 1:10. 1991.
- R-046 Recent Mining At Mt. Mica, Paris, Maine By Philip McCrillis.
1991.
- R-047 Inclusions In Gem Crystals And Gemstones By John Koivula.
1991.
- R-048 What's New In Minerals And Localities. 1991. Part 1. 1.52 total
time
By George Robinson and Van King. 1991.
- R-049 What's New In Minerals And Localities. 1991. Part 2.
By George Robinson and Van King. 1991. 1:57 total time.
By George Robinson and Van King. 1991. 1:30 presentation
followed by approx. 26 minutes of mineral display samples.
- R-050 Clarence S. Bement: The Consummate Collector.
By Joseph Peters. 1991.
- R-051 Fluorite Collecting In The French Alps By Dr. Eric Asselborn.
1991.
- R-052 Minerals At Davis Hill, Near Bancroft, Ontario By Louis Moyd.
1991.
- R-053 Appreciation Of Agates By Dave Wilber. 1992.
- R-054 Uranium Minerals Of Zaire By Dr. Michael Deliens. 1992.
- R-055 Uranium Minerals Of France By Dr. Michael Deliens. 1992.
- R-056 Life And Times Of Benjamin Silliman By Dr. Leonard Wilson.

- 1992.
- R-057 Zeolites Of The World By Rudy Tschernick. 1992.
- R-058 Inclusions In Quartz By John Kovula. 1992.
- R-059 What's New In Minerals And Localities. 1992. Part 1
By Van King, George Robinson and Friends. 1992.
- R-060 What's New In Minerals And Localities. 1992. Part 2
By Van King, George Robinson and Friends. 1992.
- R-061 Mount St. Hilaire, Spice Of Life By Dr. Frederick Pough. 1:07.
1992.
- R-062 Reminiscences 3 By Dr. Frederick Pough. 1992.
- R-063 Mineralogical Fakes In The Smithsonian Collection By Paul Powhat.
1992.
- R-064 Museum Perspective, A By Dr. Robert Gait. 1993.
- R-065 What's New In Minerals And Localities In Alston Moor. 1993.
Parts 1 and 2. By George Robinson, Van King And Friends. 1993.
- R-066 Gem And Mineral Mining In Maine. By Vandall King. 1:14. 1993.
- R-067 Rediscovering Old Mineral Localities In Alston Moor
By Lindsay Greenbank. 1993.
- R-068 Russian Mineral Odyssey - Silver Picking From St Petersburg To
Siberia. By Lance Hampel. 1993.
- R-069 Mineral Collecting Before 1800 By Dr. Wendell Wilson. 1993.
- R-070 History And Mineralogy Of The Orford Nickel Mine, Quebec 0:54
By Dr. Peter Tarassoff. 1993.
- R-071 Green Fluorite Mining In England By Lindsay Greenbank. 1993.
- R-072 Some Selected Environments In Mont St. Hilaire
By Quintin Wight, 1993.
- R-073 Perspectives On Collecting At Mont St. Hilaire .050
By Marcelle Horn Weber. 1993.
- R-074 Minerals Of Sawtooth Mountains, Idaho By Lanny Ream. 1994.
- R-075 Visit To Russia And The Boron And Polymetallic Skain Deposit At
Dalnegorsk, A By Rock Currier. 1994.
- R-076 Photographic Minerals In Canada And Russia By Jeffrey Scovil.
1994.
- R-077 Dealers Perspective Of Brazil From Rio Grande Do Sul to Rio
Grande Del Norte, A By Frank Melanson. 1994.
- R-078 Mineralogy Of Oceans Hydrothermal Vents
By Dr. Steve Chamberlain. 1994.
- R-079 Ghost Crystal Mines By Dr. Peter Bancroft. 1994.
- R-080 Mines And Micros Of The Keweenaw Peninsula Of Michigan
By Dan Behnke. 1994.
- R-081 What's New In Minerals And Localities, A Photographic Survey
Part 1. By Jeffrey Scovil. 1994.
- R-082 What's New In Minerals And Localities, Additional Perspectives.
- Part 2. By Jeffrey Scovil. 1994
- R-083 U.S. Mineralogy In The 19th Century Without Dana By Vandall King.
1995.
- R-084 Origin Of Pegmatites By Skip Simmons. 1995.
- R-085 Microminerals Of Georgia - A Review By Beau Gordon. 1995.
- R-086 Gillette Quarry, The By Jeff Scovil. 1995.
- R-087 Shifting From XL Photography To XL Modeling
By Dr. Eric Offermann. 1995.
- R-088 Baia Mare, Romania: Its Mines And Minerals.
By Frank Melanson. 1995.
- R-089 Micromineral Collecting The Cosmos By Dr. Bob Witkowski.
1995.
- R-090 Minerals And Murphy's Law By Dr. George Robinson. 1995.
- R-091 What's New In Minerals And Localities: A photographic Survey.
1995. Part 1 1:03 By Jeffrey Scovil. 1995.
- R-092 What's New In Minerals And Localities: Additional Perspectives.
1995. Part 2 By George Robinson and Vandall King. 1995.
- R-093 Mineral Collection Of The New York State Museum, The 0:48
By Dr. W. M. Kelly. 1996.
- R-094 Effect Of Screw Dislocation In Crystal Morphology, The
By Dr. W. A. Henderson, Jr. 1996.
- R-095 Red Dirt In Virginia: The Many Faces Of Hematite
By Dr. Susan Ericksson. 1996.
- R-096 Badminton, Backyards And Boron: It's All In How You Look At The
Crystal By Dr. Joel D. Grice. 1996.
- R-097 Rhodochrosite: Treasures Of The Sweet Home Mine
By Bryan Lees. 1996.
- R-098 What's New In Minerals And Localities: A photographic Survey.
1:27. Part 1 By Jeffrey Scovil. 1996
- R-099 What's New In Minerals And Localities: Additional Perspectives.
Part 2. 1:11. By Van King and Steve Chamberlain. 1996.
- R-100 Collecting Adventures In Pegmatites Of The Former Soviet Union
By Dr. Skip Simmons. 1996.
- R-101 Paragenesis Of Crystalline Gold In Northern Nevada
By Dr. Robert Cook. 1996.
- R-102 Are There Gem Crystals In Mt. Foster? An Exercise In Per-
sistence. 1:05
By Bradley S. Wilson. 1996.
- R-103 Minerals Of The Pikes Peak Batholith
By Dr. Eugene E. Foord, presented by Dr. Skip Simmons. 1996.
- R-104 Collection Of The Seaman Museum, The
By Dr. George Robinson. 1997.
- R-105 Kingsbridge, An Early Quarrying District On Manhattan Island.
By Lawrence J. Conklin. 1997.
- R-106 Crystal Drawings In Modern Descriptions Of New Minerals 1:08.
By Dr. Joe Mandarino. 1997.

- R-107 Mineralogy Of Laurium, Greece 1:03. By Mathias Rheinlander. 1997.
- R-108 What's New In Minerals. 1997. Part 1. By Jeffrey Scovil. 1997.
- R-109 What's New In Minerals. 1997. Part 2.
By Van King, Steve Chamberlain and members of the audience. 1997.
- R-110 American Pegmatites. By Dr. Michael Wise. 1997.
- R-111 Color In Minerals By Dr. Frank Hawthorne. 1997.
- R-112 Carbonate Deposits Of The African Rift By Mathias Rheinlander. 1997.
- R-113 Friends Of Mineralogy, A Perspective Of Quaker Influence
By Jay Lininger. 1997.
- R-114 Big XLS, Little XLS: Face And Fiction By Skip Simmons. 1998.
- R-115 Two Famous Alkaline Mineral Occurrences In South Greenland
By Ole Petersen. 1998.
- R-116 Into The Heart Of Darkness By Rock Currier. 1998.
- R-117 Kongsburg! By Fred Steiner Nordrum. 1998.
- R-118 What's New In Minerals. 1998.
By Jeffrey Scovil and audience members. 1998.
- R-119 Best Of What's New, The Past Revisited, The
By Jeffrey Scovil and audience. 1998.
- R-120 Microworld Of Chalcedony, The By John Koivula. 1998.
- R-121 Mineral Collection Of The Geological Museums, Copenhagen
By Ole Petersen. 1998.
- R-122 Mineral Photography With Examples From Classic Localities In
Germany By Reiner Bode. 1998.
- R-123 25 Year Perspective On The Rochester Symposium 1:31.
By Bill Pinch. 1998.
- R-124 What's New In Minerals And Localities. 1999. Part 1. By Jeff
Scovil.
- R-125 What's New In Minerals And Localities. 1999. Part 2. By Jeff
Scovil.
- R-126 New Minerals And The Importance Of Mineral Collectors
By Dr. Frank Hawthorne. 1999.
- R-127 South African Gold, Diamonds And Associated Minerals
By Dr. Bruce Cairncross. 1999.
- R-128 Mineral Occurrences Of East Greenland By Dr. Ole Johnson.
1999.
- R-129 Recent Meanderings In Madagascar
By Skip Simmons and Al Falster. 1999.
- R-130 Collecting Pink Fluorites In The French Alps By Ernie Schlichter.
1999.
- R-131 Evolution Of The Rare Mineral Business With An Introduction To
X-Ray Microanalysis 0:44. By Tony Nikischer. 1999.
- R-132 History Of The GIA Library By Donna Dirlam. 1999.
- R-133 An Apatite For Faceting By Art Grant. 1999.
- R-134 Mining History Of New Hampshire And Its Impact On Collectors
By Bob Whitmore. 2000.
- R-135 Tsumeb By Georg Gebhard. 2000.
- R-136 Whats New In Minerals. 2000. Part 2. By Bill Pinch. 2000.
- R-137 Whats New In Minerals. 2000. Part 1. 1:15. By Jeff Scovil.
2000.
- R-138 Southern Illinois Fluorite Mining District By Roy Smith. 2000.
- R-139 Recent Fluorite Mining In Rogerly Mine, Weardale, England.
0:58

