

## Natural History Resources & Methow Naturalist Article Index

The following resources are available from The Methow Naturalist, PO Box 175, Winthrop, WA, 98862 on a donation basis. Starred items are currently available to download from [www.methownaturalist.com](http://www.methownaturalist.com)

A complete set of Methow Naturalists as pdfs, 1996-2020 – 100 issues-- is available on dvd for \$60

### Aquatic

Diatoms & Algae of the Methow – simple one-page pictorial

Observing Rivers – 1 page.

Macroinvertebrate Tolerance Groups for Lakes & Ponds – 1-page field ID guide

Macroinvertebrates Tolerance Groups for Fast-moving Streams – 1 page field ID guide.

A list of the approximately 160 taxa of benthic macroinvertebrates identified to date in the Methow River and tributaries, with drawings of the nine most abundant species, 4 pages.

### Ecology

Ecology & History: Why Societies Really Succeed and Fail. An ecology primer as illustrated by human history, 10 pages.

Fracking, Tar Sands & Energy, a powerpoint.

How to Build an Ecosystem, 3 pages.

Ecological Eyes, 2pages

Observing the Life of the Forest, 2 pages.\*\*

xObserving the Shrub-Steppe, 2 pages.\*\*

The Problem of Obedience, 2 pages.\*\*

The World's Greatest Danger: war is ecocide, 3 pages.\*\* (see Vietnam 2015)

War, Ecology & Intelligence: a summary of American wars since 1950 & the need for intelligent individuals. 7 pages.\*\*

What the World Needs (advice from Joseph Campbell).\*\*

Ethnography of the Methow Tribe, 8 pages.

### Evolution

Human Evolution, 5 pages.\*\*

Pleistocene Megafauna Extinctions- a list of 65 species with color illustrations, 6 pages.\*\*

Primate Families, 8 pages.\*\*

The Biology of Human Behavior, 6 pages.\*\*

The Indigenous Settling of North America\*\*

The Tree of Life: An Illustrated Guide to the 6 Kingdoms of Life, 19 pages.\*\*

### Fauna

Fauna of the Methow – a one-page review of animal orders present in the Methow.

Fauna of the Methow: Following the Evolutionary Trail, 6 pages.

Fauna of the Methow: An Evolutionary Perspective, 14 pages.\*\*

### Amphibians

Amphibians of the Methow Watershed: A list of 7 known, 5 possible species, 2 pages.

Amphibians of the Methow Watershed: Keys to eggs, larvae, adults, 4 pages.

### Bats

Bats of the Methow: List and Identification Key, 6 pages. To be used with [Bats of British Columbia](#) (a book).

### Bees

Getting Acquainted with Native Bees. 2 introductory pages and a 2-page color image guide to local genera.

Key to the bee genera of the Methow Watershed and notes on bee genera. The key is technical and requires a microscope. 9 pages.

Pictorial key and descriptive key to the Bumblebees of Washington, 5 pages.\*\*

### **Birds**

Birds of the Methow Watershed; a checklist of 270 species, 2 pages.\*\*

Bird Songs of the Methow; 6 pages of notes and mnemonics on local species, 5 pages—short list is 2 pages.

Small Flycatcher Species of the Methow, one page of notes on songs, habitat, behavior.

Migratory Birds of the Methow; a chart of arrival and breeding dates, 2 pages.

Woodpeckers of the Methow, 1 page.

Owls of the Methow

### **Butterflies**

Butterflies of the Methow Watershed; 107 species, 2 pages.\*\*

A Key to the Butterflies of Okanogan County, somewhat technical, 8 pages. Use with a butterfly field guide.

### **Fish**

Fish Species of the Methow Watershed; a list of the 23 known species with habitat and place of origin, 1 page.

A Key to the Salmonid Species (salmon, trout and whitefish) of the Methow; juveniles and adults, 2 pages.

### **Insects & Their Kin**

Bees, Butterflies & Macroinvertebrates are listed separately above & below.

Ants of Washington & the Methow: a list with images from [www.antweb.org](http://www.antweb.org) 3 pages

Bark Beetles of the Methow: descriptive article and guide to their galleries, 3 pages.

Grasshoppers of the Methow- a list and simple key, 1 page.

A Key (& list) to the Dragonflies of Okanogan County (use with Dennis Paulson's *Dragonflies of Washington*), 7 pages.

Spiders: Spider Families of Washington & Eye Arrangement of Spider Families

### **Mammals**

Mammals of the Methow, a 2-page list of all known species.\*\*

A Guide to Mammal Tracks, 4 pages.

Interpreting Skulls

### **Reptiles**

Reptiles of the Methow, 14 species with habitat and natural history notes, 2 pages.

### **Wildlife**

The Changing Face of Methow Wildlife: changes in wildlife populations in the past 100 years, 2 pages.\*\*

### **Flora**

#### **Flowering Plants**

Methow Vascular Plant List- 22 pages

Edible & Poisonous Plants of the Methow, 2 pages.\*\*

Key to Methow Trees and Shrubs in Winter, 2 pages.

Key to Common Flowering Plant Families of the Methow (helpful to learn family characteristics). 2 pages.\*\*

Key to Local Flowering Plant Families in a GIF (a simple key based on flowers), 2 pages.

Mini-key to Washington Willows; somewhat technical, no pictures, 2 pages.

Mini-key to Willows of the Methow; somewhat technical, a few helpful drawings, 2 pages.

Recognizing Plant Families (more detail than the two just above, drawings but no key), 6 pages.

Observing the Secret Life of Wildflowers, 2 pages.

Sensitive Plant Species of the Methow Watershed, 2 pages.

Adaptations of Wetland Plants

Grass, Sedge & Rush Identification Workshop (& Worksheet)

Monocots & Dicots, 1 page.

Leaf Shape & Evolutionary Characteristics of Plants

100 Plants to Know in the Methow, 2 pages.

Flora of the Methow: The Plants of the Methow in Their Evolutionary Context, 3 pages.

Botanical Glossary, 1 page.

Flora of the Methow: Evolutionary Overview, 14 pages.\*\*

### **Lichens**

Lichen species of the Methow; a list of the first 150 species identified, 2 pages.

### **Moss**

Moss species of the Methow: the first 140 species identified, 2 pages.

### **Fungi**

Edible Mushrooms of the Methow, with habitat and fruiting season, 1 page.

Fungi of the Methow, a beginning list of about 100 species, 2 pages.

A Key to the Gilled Mushroom Families (using spore color last), 6 pages.

Slime Molds of the Methow- an introductory guide, 5 pages.

### **Geology**

Geology of the Methow, pdf, 15 pages.\*\*

Geology, Biology & the Methow: corollation of geologic events and evolution. 1 page.

A Geological History of the Methow Valley, 5 pages.

Outstanding geophysical events in the past 20,000 years (warming, cooling, eruptions etc), 1 page chart.

Methow Stratigraphy, Abundance of the Primary Elements in Rocks, Physical Characteristics of Rocks, 2 pgs

Key to Methow Rocks, 1 page

Demystifying Rocks (basic rock types & how they were formed), 5 pages.

Geology Glossary

Roadside Geology of the Methow

Fossil Locations in the Methow

### **Sustainable Culture**

Can the Methow Feed Itself? 7 pages.\*\*

Composting, Humanure & Soil, 7 pages.\*\*

Cover Crops for the Methow, 3 pages.\*\*

Planting & Seed Saving Charts, 5 pages.\*\*

Winter Gardening & Food Storage., 4 pages.\*\*

### **War, Peace, Sanity**

Iraq 2004

Afghanistan 2014.\*\*

Vietnam 2015\*\*

Syria 2016\*\*

Palestine 2018

Russia 2018

Korea: A Brief History Explains Everything\*\*

Afghanistan: A Brief History Explains Everything\*\*

### **Article Index 1996-2018**

**1:1 Spring 1996- The Wildflowers are Coming!**

The Wildflowers are Coming (Spring Wildflowers)- Dana Visalli

Listening and Learning in the Pines (Top Ten PIPO Songbirds)- Kent Woodruff  
Sleepy Bats Winter in Local Root Cellar- Jennifer Molesworth  
Wide Roaming Bears Under Study (Black Bears)- Bill Gaines and Andrea Bruns  
Species of the Month: Cottonwood- Rob Crandall  
The Daytime Owl- Denny O'Callaghan

### **1:2 Summer 1996- Of Wildfires and Woodpeckers**

Of Wildfires and Woodpeckers- Evan Frost  
Methow Geology: The Big Picture- Art Campbell  
Leave it to Eena (Beaver)- Dianne MacLean  
Frog and Toad Together (Frogs of the Methow)- Dana Visalli  
What is a Naturalist?- Kent Woodruff  
The Methow's Torrent Duck (Harlequins)- Rob Crandall  
On the Bluebird Trail (nesting results)- Dana Visalli  
The Season's Constellations: Summer- Art Campbell

### **1:3 Fall 1996- Elk in the Methow**

Elk in the Methow- John Rohrer  
Geologic Formations in the Methow- Art Campbell & Michelle Dewey  
Quaking Aspen- Walt Mueggler  
Predator (Bald Hornets)- Pam Vesterby  
Lichens- Rob Crandall  
So Magnificent a Fishe (Salmon)- Dana Visalli  
Autumn Passages (Hawk Migration)- Kent Woodruff  
A Bird in the Hand (Mist-netting)- Dave Rudholm  
The Season's Constellations: Autumn- Art Campbell

### **1:4 Winter 1996- Stalking Predators in Winter**

Stalking Predators in Winter- John Rohrer  
Chickadees in Winter- Dana Visalli  
Pipestone Canyon- Art Campbell & Michelle Dewey  
Field Guide to Animal Tracks  
Boreal Owls- Dawn Woodruff  
Deer Dilemma- To Feed or Not to Feed?- John Rohrer  
Wintering Strategies of Fish- Becky Tanguay  
Orion- Art Campbell

### **2:1 Spring 1997- Butterfly Gardening**

Butterfly Gardening- Gloria Spiwak  
The Age of Ice- Art Campbell & Michelle Dewey  
After the Ice Age (Return of Life)- Dana Visalli  
Floods: Destruction and Creation- Jenny Molesworth  
Avalanche Ecology- Eric Burr  
Of Saskatoons and Serviceberries- George Wooten  
Chart: Migratory Songbirds of the Methow- Evan Frost and Susan Snetsinger  
Alien Invaders Land in the Methow (Weeds)- Rob Crandall  
Comet Hale-Bopp- Art Campbell  
Poetry: Pattiann Rogers (The Hummingbird: A Seduction), Kent Woodruff (Methow Music)

### **2:2 Summer 1997- Fire Ecology: The Past Rings True**

Fire Ecology: The Past Rings True- Therese Olson  
Geology of the Methow's Eastern Border- Art Campbell & Michelle Dewey  
Dragonflies: Rainbows on the Wing- Dennis Paulson

Don't Worry, Bee Happy: Animals and Plants Strike a Flowery Bargain- Evan Frost  
Diagram: Pollination Relationships  
The Butterflies are Coming!- Dana Visalli  
Butterflies of the Methow Watershed  
Doing the Shrub-Steppe- Rob Crandall  
Celestial Distances- Art Campbell

### **2:3 Fall 1997- The Invasion of the Whitetails**

Are White-tailed Deer Replacing Mule Deer?- John Rohrer  
Geology West of the Methow Basin- Art Campbell & Michelle Dewey  
Bull Trout: The Tale of a Little Known Fish- Nina Talayco  
Woodpeckers Divide up the Resource Pie- Rob Crandall  
Diagram: Resource Partitioning by Woodpeckers  
Clark's Nutcrackers: The Johnny Appleseed of the High Country- Evan Frost  
Diagram: Coevolved Adaptations of Clark's Nutcrackers and Whitebark Pines  
Fungus Preempts Cottonwood's Fall Display  
Star Light, Star Bright- Art Campbell

### **2:4 Winter 1997- Snow White and the Seven Morphs: A Guide to Snow Crystals**

Snow White and the Seven Morphs: A Guide to Snow Crystals- Dana Visalli  
The Fawn Peak Stock- Art Campbell & Michelle Dewey  
Weathering Winter: Plants and the Big Chill- Rob Crandall  
Wildlife in Winter: Leave, Sleep or Stick it Out- Evan Frost  
The Great Raptor Flyway- Dan Rossman  
Planet Viewing- Art Campbell

### **3:1 Spring 1998- Sweet-flowered Bitterroot**

Sweet-flowered Bitterroot: Feast for the Eye, Food for the Belly- Jane Gilbertson  
Natural History of the Weasel Family- John Jakubowski  
A Summary of the Mustelid Species in the Methow  
There's a Ghost in the Methow (Great Gray Owl)- Kent Woodruff  
A Report on Three Years of Amphibian Surveys- Dana Visalli  
Methow Climatology: The Big Picture- Art Campbell

### **3:2 Summer 1998- Finned Fauna: Fish Species of the Methow**

Finned Fauna: Fish Species of the Methow- Dana Visalli  
Traveling Down the River Continuum- Evan Frost  
Mayflies, Midges and Periwinkles: The Methow's Aquatic Invertebrates- Jerry Kraft  
An Ouzel Runs Through It- Bruce Morrison  
Poetry: William Stafford (Cottonwood), James Bertolino (The Path of Water)  
Observing Aphid Wasps- Steve Dupey  
Table: Fish of the Methow  
Champion Trees of the Methow  
Hercules' Ancient Celestial Treasure- Art Campbell

### **3:3 Fall 1998- Grizzly Bears in the North Cascades?**

Grizzly Bears in the North Cascades?- Bill Noble  
The Birth, Life and Death of Stars- Art Campbell  
The Army Cutworm Moth: An Unsung Hero in Alpine Ecology- Rosemary Jackson & Rob Hazen  
Plant Dispersal: A Seedy Solution to an Age-old Dilemma- Evan Frost  
Strategies for Seed Dispersal  
Granite in the Methow- Art Campbell & Michelle Dewey  
The Bear Facts: What is a Grizzly?- Bill Noble

Why Woodpeckers Don't Get Headaches- Art Campbell

Poetry: Kent Woodruff (Perseus Nights), Robert Frost (The Last Word of A Bluebird)

### **3:4 Winter 1998- Methow Wildlife: Changing Places, Changing Faces**

Methow Wildlife: Changing Places, Changing Faces- Dana Visalli

Missing: Sharptailed Grouse from the Methow- John Rohrer

Coho- Jenny Molesworth

Climatic Cycles: If you don't like the weather, just wait a thousand years- Art & Michelle

Pining for Ponderosa- Leahe Swayze

List: Animal Species Known to Have Decreased & Increased in the Methow

Precession- Art Campbell

### **4:1 Spring 1999- Wildflowers Threaten the Methow**

Wildflowers Threaten the Methow: We Will Berry You!- Dana Visalli

Imprints from the River of Time: Methow Fossils- Art Campbell

The Greening of America: The Evolution of Plants- Dana Visalli

Whitebark Pine, Jewel of the Subalpine: In Trouble?- Art Kruckeberg

Biophila- Tom Doran and Sue Koptonak

Arrowleaf Balsamroot- Jane Gilbertson

Chart: Edible Plants of the Methow

Observing the Moon- Art Campbell

Poetry: Robert Frost (To the Thawing Wind), Walt Whitman (Ode to Spring)

### **4:2 Summer 1999- Marion Rose, Naturalist**

Marion Rose: Naturalist- Brian Varrelman

Rattlesnakes in the Methow Valley- John Rohrer

In Praise of Creeping Crawling Things- Dana Visalli

Table: Reptiles of the Methow Watershed

Alpine Plants in the Methow's Mountain Meadows- Katharine Bill

The Sharptailed Snake: Rarity or Recluse- William Leonard

Double Stars- Art Campbell

Poetry: Ron McLean (For These Are My Dry Hills, Here Was I Born)

### **4:3 Fall 1999- Of Moose & Mushrooms**

The Phenomenal and Fantastic Fungi: A Brief Introduction to Mushrooms- Brian Luther

Jekyll-Hyde Mushrooms- George Barron

Moose on the Move- John Jakubowski

Table: Edible Wild Mushrooms of the Methow Watershed

Key to Gilled Fungi

Cepheus- Art Campbell

Poetry: Sylvia Plath (Mushrooms), Pattiann Rogers (Geocentric)

### **4:4 Winter 1999- The Old-timers Welcome You to the Methow**

Observing Townsend's Big-eared Bats- Kent Woodruff

Chelan Ridge: Where Hawks Ride the Wind- Daniel Harrington

Of Moonworts and Mule's Ears (brief review of plant studies in the Methow)- Therese Ohlson

Where Are the North Cascade Grizzly Bears? (hair-snagging study)- Kimberly Romain

Breeding Birds and Christmas Nerds (Christmas Bird Count)- Kent Woodruff

All Creatures Great and Small: Methow Wildlife Studies- Nina Talayco

High Drama in the Night Sky (Taurus)- Art Campbell

Poetry: Linda Robertson (When You Left the Methow), Robert Frost (To the Thawing Wind)

### **5:1 Spring 2000- Special Spring Edition: Sex Among the Flowers**

Sex Among the Flowers: Confessions of a Plant Voyeur- Dana Visalli  
Penstemon: Blooming Soon at a Hot Rock Near You!- Jane Gilbertson  
What's That Singing In My Ears? (Songbirds in Ponderosa forest)- Kent Woodruff  
The Yellow-Rumped Warbler- Caryl Campbell  
Poetry: Wendell Berry , Sitting Bull (Spring Has Come), Leonard  
Carriere (Haiku), Helen Merrill (What Do These Clouds Mean)  
Table: Observing the Secret Life of Wildflowers

### **5:2 Summer 2000- Ken White: The Methow's Naturalist**

Ken White: The Methow's Naturalist- Deborah Moffitt  
On Becoming a Naturalist- Merlin Tuttle  
Pictorial and Dichotomous Keys to the Fritillary Butterflies of Methow  
Dying to Burn: On the Regeneration Strategy of Lodgepole Pine- John Jakubowski  
King of the Fishers (Kingfishers)- Dana Visalli  
Jupiter- Art Campbell  
Poetry: Ron McLean (For These are My Dry Hills), Loren Hager (The Methow)

### **5:3 Fall 2000- Cougars in the Methow**

Cougars in the Methow- Bill White  
Encounters With Cougars- Gloria Spiwak  
The Woman Who Sat With Cougars- Vicki Nordness  
Cougars: Just the Facts  
Watching Waxwings- Dana Visalli  
A Guide to Methow Rocks- Art Campbell & Michelle Dewey  
The Tortuous Origin of the Place Name Mazama- Art Kruckeberg  
Lord of the Rings (Saturn)- Art Campbell  
Poetry: Janet Corley (Cattail Marsh), Noe Marymor (Night Comes  
to Paymaster Spring), Marge Piercy (The Perpetual Migration)

### **5:4 Winter 2000- The First People**

A River of Passing Events (Overview of Native Methow history)- Dana Visalli  
The First People- Bob Mierendorf  
An Ethnography of the Methow Tribe  
Bald Eagles- Eddie Torr  
Hunter-Gatherers: Nature's Friends or Foes?- Freda Junvik  
Native American Quotes  
Big Dipper: The Bear Facts

### **6:1 Spring 2001- The Earth Laughs in Flowers**

Botany in a Day- Dana Visalli  
Plant Geography of the Methow Valley- George Wooten  
Orchids: Flowers of Romance and Mystery- Eddie Torr  
Table: Orchids of the Methow  
The Island Mountain Volcanics- Art Campbell & Michelle Dewey  
Streaky-breasted Sparrows of the Methow Valley- Anaka Mines  
A Key to the Common Flowering Plant Families of the Methow  
The Sun- Art Campbell  
Poetry: Janet Corley (Return), Linda Robertson (Methow Spring)

### **6:2 Summer 2001- Water, Water Everywhere**

Nectar of the Gods- Toni Neslen  
Miraculous, Ubiquitous Water- Art Campbell  
River Otters- Brian Fisher

A Bug in the System: The Methow's Aquatic Insects- Dana Visalli  
Sex Among the Sandpipers- Eddie Torr  
The Nine Most Common Macroinvertebrates in the Methow River (graphic)  
The Sun II- Art Campbell  
Poetry: Percy Shelly (The Cloud), Mary Oliver (The Sun)

### **6:3 Fall 2001- Mammals of the Methow**

The Bear Necessities (Black Bears)- John Rohrer  
Night Shift (Bats)- Kent Woodruff  
Bringing Back Beaver- John Jakubowski  
Beaver and the Watershed- Gary Ott  
Mammals of the Methow: A List  
Planetary Orbits- Art Campbell  
Poetry: Mary Oliver (Wild Geese), Kay Ryan (Blandeur), Weldon Kees (Colloquy)

### **6:4 Winter 2001- Nature in Winter**

Snow Sculptures- Dana Visalli  
Winter Botany- Eddie Torr  
Where Do Butterflies Go in Winter?- Clare Hagen Dole  
Insects to Know and Love- Ann N. Tomologist  
With Wings to Fly- Anaka Mines  
Insects in Winter  
The Shape and Size of the Earth- Art Campbell  
Poetry- Walt Whitman (Song of Myself)

### **7:1 Spring 2002- For the Birds**

Dinosaurs of a Feather- Dana Visalli  
The Loggerhead Shrike- Leyla Arsan  
Boreal Chickadees- Arthur Campbell  
Watching Hawks via Satellite- Kent Woodruff  
List: Birds of the Methow  
Birds and Windows  
Cat Got Your Tongue?  
The Discovery of Planet Neptune- Arthur Campbell  
Poetry- John Muir (Ouzel), Daniel Hall

### **7:2 Summer 2002- Marshes, Bogs and Ponds: Wetlands in a Dry Country**

Wet Land- Dana Visalli  
Life in a Wetland- Lim Nologist  
Different Sites for Different Hydrophytes  
A Sampling of Aquatic Plants to Know and Love  
A Date with Daphnia- Eddie Torr  
Rails: Recluses of the Marsh- Arthur Campbell  
Reflections from the Pond: Chaos & Community  
Adaptations of Wetlands- chart  
An Every-day Meat-eating Plant (bladderwort)  
The Precession of Mercury's Orbit- Art Campbell  
Poetry: Janet Corley (Pond), Max Merckenschlager (Nearly Spring),

### **7:3 Fall 2002- Life in the Methow: Old as the Hills**

Life in the Methow: Old as the Hills- Dana Visalli  
The Pileated Woodpecker- Dave Benson  
Red Squirrels are Happy Fellows- Eddie Torr

Fall Webworms- Donald Stokes  
(Spirit Mountain) Pattiann Rogers (Geocentric)  
Geology, Biology and the Methow- chart  
The Andromeda Galazy: Out of this World  
Poetry: Robert Frost (My November Guest), Nina Talayco

#### **7:4 Winter 2002- Ron McLean: the Methow's Poet Laureate**

Granite, Shale, Dust and All: Ron McLean- Dana Visalli  
The Illustrated Nature Journal- Caryl Campbell  
Birding by Ear in the Silent Season- Libby Mills  
Just a Flicker- Eddie Torr  
Seven Songs of a Buckskin Pine  
The Charioteer- Art Campbell  
Poetry: Croil Anderson (Time Slows Down), Wendell Berry (The Cold)

#### **8:1 Spring 2003- Sun and Shadow: The Story of Methow Weather**

Red Sky in the Morning: Weather in the Methow- Dana Visalli  
Methow Weather, Past and Future- Bill Biddle  
The Evolution of Bird Migration- Arthur Campbell  
The American Marten- David Moskowitz  
Spring Birdsong- Libby Mills  
The Constellation Leo- Art Campbell  
Poetry: D.H. Lawrence (The Day the Sun Stood Still), Rochelle Riling (Mahmoud's Joy)

#### **8:2 Summer 2003- The Secret Life of Wildflowers**

Thinking Mountains: Mountain habitats- Dana Visalli  
Earth Hummocks in the Pasayten Wilderness- Therese Ohlson  
The Secret Life of Alpine Wildflowers- Eddie Torr  
Flight for Life: Life and Death of a Kestrel- Solyssa Visalli  
Peep: Trials and Tribulations of Raising a Canada Goose- Steve Dupey  
Close Encounters with Mars- Art Campbell  
Poetry: Phillip Larkin (The Trees), Barry Lopez (No Answers)

#### **8:3 Fall 2003- Methow Mountaineers: Bighorn Sheep & Mountain Goats**

Mountain Goats: High All the Time- Eddie Torr  
Bringing Back the Bighorn: Bighorn Sheep in the Methow- John Jakubowski  
In Which Peep Learns to Fly: Continuing Adventures of a Goose- Steve Dupey  
Black-billed Magpies- Art Campbell  
Martian Water- Art Campbell  
When Is a Goat Not a Goat?- Dana Visalli  
Poetry: Pablo Neruda (Keeping Quiet), Patrick Loafman (Where Names Vanish Above)

#### **8:4 Winter 2003- Winter Color from Heather Murphy's Notebook**

What's Bugging the Trees? All About Bark Beetles- Eddie Torr  
Bark Beetles of the Methow: A Guide to their Galleries  
Summer Fires Fuel Winter Woodpeckers- Katharine Bill  
Stalking the Wild Kouprey- Steve Dupey  
On Developing Personal Relationships with Gophers- Dana Visalli  
Saturn: Jewel of the Solar System  
Poetry: D.H. Lawrence (A New Heaven and a New Earth), H.D. Thoreau (Love It or Leave It)

#### **9:1 Spring 2004- Wind Pollination: The Anther is Blowing in the Wind**

Seeds of Life, Seeds of Strife- Dana Visalli

Psyching Out Seeds: Secrets of Germination- Rob Crandall  
Springtime: There's Sex in the Air- Eddie Torr  
The Sound of One Willow Blooming- Martina Lazera  
Measuring as Star's IQ  
Poetry: D.H. Lawrence (Snakes)

### **9:2 Summer 2004- North America-The Eternal Frontier**

The Eternal Frontier: An Ecological History of North America- Eddie Torr  
The Humble Bumble Bee- Dana Visalli  
Yellowjackets, Paper Wasps and Baldfaced Hornets- Ann N. Tomoligist  
The Composites: One Big, Happy Family- Dana Visalli  
Asteroid Hunters- Art Campbell  
Poetry: Barbara Kingsolver (Small Wonder), Malcolm Brown (The Trembling Leaf), Lewis Carroll (No Adult Supervision), Carlos Castenada (Follow the Leader)

### **9:3 Fall 2004- Teaching a Stone to Talk: The Story in the Cobbles**

Teaching a Stone to Talk: The Hard Life of a River Cobble- Eddie Torr  
Key to Methow Rocks  
A Basic Guide to Rocks  
More Than Hawks at Chelan Ridge  
The Tree of Life- John Morgan  
Is the Earth a Gaia?- Dana Visalli  
The Origin of the Moon- Art Campbell  
Poetry: Thom Henley (Many People Eat Not Full), David Budbill (How Can This Be?),  
Wendell Berry (Stay Home), Koran (On Tolerance)

### **9:4 Winter 2004- The Ecology of God**

The Ecology of God- Eddie Torr  
Ecological Imperialism- Dana Visalli  
The Man Who Sat Around Watching Cougars- Steve Dupey  
Islands, Ice and Feathers: An Evolving Story  
Seeking Ermine Daily- Walt Lockwood  
One With Weasels- Annie Dillard  
How Dark is the Night Sky?- Art Campbell  
Poetry: WB Yeats (Innisfree), Gary Snyder (For the Children)

### **10:1 Spring 2005-The Wind and the Willows**

The Wind and the Willows- Dana Visalli  
Mini-Key to the Willows of the Methow  
The Bluebird of Happiness- Eddie Torr  
Peep Almost Meets His Maker- Steve Dupey  
Urchins Underfoot: Spadefoot Toads- Mary Kiesau  
Taking Nature's Pulse: Science and Sensitivity in the Methow  
Poetry: Pattiann Rogers (If the Moon Only Appeared Every Ten Years), Amenhotep IV (There Is No Sun But Sun)

### **10:2 Summer 2005- The Methow's River of Ice: Silver Star Glacier**

Fire Ecology in the North Cascades- Susan Prichard  
The Life and Times of Silver Star Glacier- Moskowitz & Smith  
Grasses, Sedges and Rushes, Oh My!- Eddie Torr  
The Bluebird that Flew With Kestrels- Dana Visalli  
How to Help the World- Joseph Campbell  
Meteors and the Perseid Meteor Shower- Art Campbell

Poetry: Walt Whitman (Leaves of Grass), Thich Nhat Hanh (Performing Miracles), Lau Tzu (Life Like Water), Neil Bull (Metamorphosis)

### **10:3 Fall 2005- Survival of the Fittest?**

Birds & Burning: The Effect of Fire on Cavity Nesting Birds- Ray Robertson  
Survival of the Fittest: Competition and Cooperation in Nature- Dana Visalli  
Adventures in Squamataphagy: One Snake Consumes Another- Steve Dupey  
Giving Voice to the Moon: Snow Crickets- Eddie Torr  
The Diversity of Life- EO Wilson  
Poetry: Mary Oliver (The Swan), Pattiann Rogers (Sensual Deprivation)  
A Place With Real Atmosphere: Evolution of the Earth's Atmosphere

### **10:4 Winter 2005- The Raison D'Etire of Sex**

Why is Life So Sexy: The Evolution of Sex- Dana Visalli  
Finding the Perfect Partner: Lessons From Nature- Dan Russell  
Life is a Gas- Eddie Torr  
The Buddha Bowl- Paula Hirschboeck  
Sexual Selection  
Poetry: DH Lawrence (New Heaven and Earth), Joseph Campbell (Maya)  
Index of Articles, 1996-2005

### **11:1 Spring 2006- Moonplants in the Methow**

Seldom Seen: The Methow's Rarest Plants- Dana Visalli  
Elven Moonplants and their Fungal Friends- Therese Ohlson  
Living and Drying in Vernal Pools- Dan Russell  
Gorgeous Bird: Western Tanager- Eddie Torr  
Observing Daffodils- J. Krishnamurti  
Poetry: Rochelle Riling (Night Sky), Linda Robertson (The Methow River in May), Charles Darwin (Relationships)  
Methow Sensitive Plant List

### **11:2 Summer 2006- Pikas: High Mountain Hay Farmers**

Pikas: Charming and Alarming- Dan Russell  
An Expose on Catastomadae- John Crandall  
Penstemons: The Mystery of the Missing Anther- Dana Visalli  
Peep and the Cycle of Nature- Steve Dupey  
Poetry: Pattiann Rogers (Idee Fixe), Tao Yuan-ming (Getting Beyond Words, Stay Home), Ogden Nash (Summer Serenade)  
Natural History Resource List

### **11:3 Fall 2006- The Quixotic Don Coyote**

Wily Don Coyote- Eddie Torr  
Fire on the Mountain: How Plants and Animals Adapt to Being Barbequed- Dana Visalli  
The Continuing Chronicles of Peep- Steve Dupey  
Coyote in the Kitchen- Steve Dupey  
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### **11:4 Winter 2006- The Plants of the Lewis & Clark Expedition (found in the Methow)**

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Is That a Marine Derived Nutrient I Smell?- John Crandall

Pine Grosbeaks- Art Campbell

Poetry: Matthew Roberts (In the Killdeer Cry), Wallace Stevens (The Snow Man), Albert Einstein (Science Mystic)

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### **12:1 Spring 2007- Journey to the Ants**

Methow Mound Builders: The Western Thatching Ant- Eddie Torr

Sweet Sunlight: A Synthesis of Photosynthesis- Dana Visalli

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### **12:2 Summer 2007- The Origins of the Methow Valley**

The Life and Death of Stars- Eddie Torr

The Origins of the Methow- Dana Visalli

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Requiem for a Goose- Steve Dupey

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### **12:3 Fall 2007- Back to the Neolithic**

Lamprey: Ancient Fish in a Young River- John Crandall

A Re-creational River Trip- Dana Visalli

Back to the Neolithic: Living Close to the Land- Katie Russell

Meadow Mice (Voles)- Eddie Torr

Poetry- Pattiann Rogers (Rolling Naked in the Morning Dew), Andrew Young (Hard Frost), R. Frost (Fire and Ice)

Life Out of Balance: A Vole Eruption- Dayton Hyde

### **12:4 Winter 2007- Animal Tracking: Reading Nature's Secret Book**

Coho Come Home- Dana Visalli

Tracking: Reading Nature's Secret Book- Eddie Torr

Gray-crowned Rosy-finches: Orn Othologist

Hertzprung-Russell: Tracking the Life and Death of Stars

Poetry- Egg (Peter Donaldson), Spirit (Peter Donaldson), A Drop of Water (Dana Lyons)

### **13:1 Spring 2008- The Little Things That Run the World**

The Evolution of Social Behavior- Dan Russell

The Little Things That Run the World- Insects!- Dana Visalli

Spring Peepers- Julie Grielou

Buckwheat- Rob Crandall

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### **13:2 Summer 2008- Alpine Plants: A Higher Life Form**

Alpine Plants: A Higher Life Form- Dana Visalli

Alpine Plants at Home- Tom Forker (misprint)

Badgers Burrow Back to the Methow- Ray Robertson

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Poetry: The Power of Toads (Pattiann Rogers), the Good Earth (Blackfoot), The Importance of Work (Nez Perce)

### **13:3 Fall 2008- Of Wolves and Grasshoppers**

Wolves in the Methow- Ray Robertson

Don't Worry, Be Hoppy: Grasshopper Lives- Dana Visalli

Grasshoppers of Washington State

Alpine Plants at Home- Tom Forker (repeat)

A Midsummer Methow Etomorphological Excursion- Steve Dupey

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### **13:4 Winter 2008- Ravens**

Ravens All Year- Dana Visalli

Methow Weather: The Big Picture- Eddie Torr

Rare Animals of the Methow: Article & List- Dana Visalli

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### **14:1 Spring 2009- The Biology of Human Behavior**

The Biology of Human Behavior- Eddie Torr

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The Say's Phoebe- Art Campbell

Bluebunch Wheatgrass- Dana Visalli

Poetry: W. Whitman (What is the Grass?), L. Robertson (Forgive Us), J. Daniel (The Trail Home)

### **14:2 Summer 2009- Fur, Feathers & Flowers: Wildlife Sightings**

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### **14:3 Fall 2009- Your Inner Fish**

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Last of the Lamprey- John Crandall

The Ducks with Golden Eyes

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### **14:4 Winter 2009- Your Family Tree**

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Soft, Furry, Lovable Spiders (Jumping Spiders)- Eddie Torr

How Do Birds Survive the Winter Cold?-Art Campbell

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### **15:1 Spring 2010- The Flower That Thought It Was a Cow...and other stories from the shrub-steppe**

Digging Up the Dirt on Fossorial Mammals- Kim Romain-Bondi

The Flower that Thought It Was a Cow: *Dicentra uniflora*- Eddie Torr

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Living with Fire and Ice: Plant Life in the Shrub-steppe- Dana Visalli

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Two Sparrows of the Shrub-steppe- Art Campbell

Poetry: Old Woman Sitting on Back Porch (fm Protestant Mystics), On Grass (shorts by Whitman, Henry Miller, Zen), Richland Dock (Kathleen Fleeniken)

### **15:2 Summer 2010- Wildlife of the Alpine Zone**

Methow Wolves in Summer- Dan Russell

High Country Gnus: Wildlife in the Alpine Zone- Eddie Torr

Pipits and Larks: Birds of the Alpine- Art Campbell

Purple Mountain Saxifrage (*Saxifraga oppositifolia*)- Dana Visalli

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### **15:3 Fall 2010- The Origins of Nature's Beauty**

Origins of Natures Beauty- E. Torr

Mini-willows of the High Mountains- Dana Visalli

Alpine Willows of the Methow

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Poetry: In Addition to Faith, Hope and Charity (PA Rogers), God Bless the Grass (Malvina Reynolds), Simplicity (Rupert Brooke) Chiyono's Enlightenment Poem

### **15:4 Winter 2010- Trees: Arrows to the Sun**

Crossbills & Conifers- Art Campbell

Arrows to the Sun: Methow Trees- Dana Visalli

Cones, Catkins, Twigs & Needles: Observing Winter Trees & Shrubs

Key to Methow Trees & Shrubs in Winter

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### **16:1 Spring 2011- Bumblebees of the Methow...and of Washington State**

Cottonwood: The Monarch of the Methow River Corridor- Gina McCoy

Sexual Dimorphism in Birds, Episode #1: The Hawks- Art Campbell

The Life & Times of the Humble Bumble Bee- Dana Visalli

Pictorial Key to the Bumblebees of Washington

Poetry: The Humblebee (Ralph Waldo Emerson), Hunter-Gatherers (William Shakespeare)

### **16:2 Summer 2011- The Evolution of Leaves**

Sexual Differentiation in Shorebirds- Art Campbell

Ode to Weeds- Eddie Torr

The Evolution of Leaves- Dana Visalli

Edible Wild Mushrooms of the Methow- Dana Visalli

List of Edible Mushrooms of the Methow

Poetry: Gathering Leaves (Robert Frost) Looking at Leaves (Thich Nhat Hanh), Mushrooms (Sylvia Plath)

### **16:3 Fall 2011- Cataclysms in the Methow: 20,000 Years of Fire and Ice**

Cataclysms in the Methow- Dana Visalli

A Uniquely Sexually Dimorphic Woodpecker- Art Campbell

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Table: Extinct Pleistocene Mega-fauna of North America

Poetry: The Sun (Mary Oliver), The Archaeans (Pattiann Rogers)

### **16:4 Winter 2011- Surviving Winter**

The Little Prince: Golden-crowned Kinglets- Dana Visalli

Surviving Winter- Eddie Torr

Uncommon Sense- Dana Visalli

Evolution 2.0- Terence McKenna

Poetry: Winter (Wali Hairan), Spring (Wali Hairan), Minor Details (Pierre Teilhard de Chardin), Growing Up at the End of Time (Terence McKenna)

### **17:1 Spring 2012- The Evolutionary Trail of Wildlife in the Methow**

Fauna of the Methow: Following the Evolutionary Trail- Dana Visalli

Comparing Conifers and Broadleaf Trees- Sandra Strieby

Methow Highs and Lows: Variation in the River- Art Campbell

Nature's Calendar: 4.5 billion year history of the earth compressed into 1 year

Poetry: The Verification of Vulnerability: Bog Turtle (Pattiann Rogers), What Remains? (Walt Whitman), Up and Away for Life (John Muir), With That Moon Language (Hafiz-14<sup>th</sup> C)

### **17.2 Summer 2012- What If There Were No Moon?**

What if there Were No Moon- Dana Visalli

Bird's Eye View: Bird Vision- Art Campbell

Birds and Plants: A Fruitful Co-evolutionary Relationship- Dana Visalli

Sex at High Altitudes (Plants)- Eddie Torr

Poetry: The See the World in a Glass of Wine (Richard Feynman), Old Woman on Her Porch (fm Protestant Mystics), The Identification of Grasses (H.D. Harrington)

### **17:3 Fall 2012- Pacific Salmon & The Ring of Fire**

Pacific Salmon & The Ring of Fire: Phylogeny Recapitulates Orogeny- Dana Visalli

Phoebe Dad for a Day- Steve Dupey

No Place Like Home: The Evolution of Continents- Eddie Torr

Chart: Geology, Biology & The Methow

Poetry: Song for the Salmon (David Whyte), Trees (Cheryl MayRead)

Carolina Prophet: Poem for Thomas Berry (Drew Dillinger)

### **17:4 Winter 2012- Slime Mold: It's Crazy!**

The Life in the Rocks: Plate Tectonics & Biodiversity- Dana Visalli

Plumages and Molts in Birds- Art Campbell & Michelle Dewey

Slime Mold: It's Crazy!- Eddie Torr

Changing Bird Populations

Poetry: The Heart of the Appaloosa (Fred Small), Sonnet, Without Salmon (Sherman Alexie), So Many Faults (Tom Tereskiewicz)

Methow Slime Molds

### **18:1 Spring 2013- Forgotten Pollinators: Our Native Bees**

Birds of the Lewis & Clark Expedition- Eddie Torr

Plumage Colors in Birds- Art Campbell & Michelle Dewey

The Improbability of Life on Earth- Dana Visalli

Getting Acquainted With Native Bees- Dana Visalli

Common Bee Genera- A Color Guide

Identifying Bees

Poetry: Bee-Foot Rainbows (Grant Jones), The Third Thing (D.H. Lawrence), There Will Come Soft Rains (Sara Teasdale)

### **18:2 Summer 2013- Wild Mountain Heather**

Wild Mountain Heather- Dana Visalli

Granite: A Planetary Response to Liquid Water- Eddie Torr  
White-tailed Ptarmigan- Art Campbell  
Hoary Marmots: Mammoth Squirrels of the Alpine Zone- Dana Visalli  
Wily Coyote & Canny Goose- Steve Dupey  
Poetry: Pollination (Carl Linnaeus), The Trees (Philip Larkin), The Hoary Marmot (Anonymous), Perseus  
Nights (Kent Woodruff)

### **18:3 Fall 2013- The Traumatic History of Earth's Climate**

Climatey Jane: The Traumatic History of Earth's Climate- Eddie Torr  
Mount Bigalow's River of Rocks- Dana Visalli  
The Methow's Big Freeze- Art Campbell  
The Methow's Big Floods  
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### **18:4 Winter 2013- How to Love Spiders**

How to Love Spiders- Eddie Torr  
Nuthatch Heaven: The Methow's Three Nuthatch Species- Art Campbell  
Food for Thought: Energy & Life- Dana Visalli  
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How to Build a Spider Web  
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### **19:1 Spring 2014- The Intelligence of Plants**

The Intelligence of Plants- Dana Visalli  
What It's Like to Be a Bird- Eddie Torr  
Radical Geology: Alfred Wegener & Harlan Bretz- Art Campbell  
Observing the Secret Life of Wildflowers  
Poetry: Being Accomplished (Pattiann Rogers), Drifting Impressions (Brian Rosen), Last Word of a Bluebird  
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### **19:2 Summer 2014- The Mountains Are Calling**

Life in the High Country: A Naturalist's Guide- Dana Visalli  
Giving Thanks for Global Catastrophes- Eddie Torr  
Geology of the Sawtooth Range- Art Campbell  
Observing the Alpine Zone  
(no poetry)

### **19:3- Fall 2014- Fire on the Mountain, Lightening in the Sky**

A Short History of Fire- Dana Visalli  
Lightening: What Is It?- Art Campbell  
The Effect of Fire on Wildlife- Eddie Torr  
Plant Adaptations & Survival After Fire (chart)  
Poetry: The Dancer (A. Mills & E. Torr), Ode to Evolution, The Problem with English (Charles Loomis)

### **19:4- Winter 2014- Living in Glass Houses: Diatoms of the Methow- Dana Visalli**

Fire, Fire Suppression & Watershed Function- Gina McCoy  
Northern Pygmy Owls- Art Campbell  
The Tree of Life  
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(Henry Thoreau), Basic Operating Instructions (Walt Whitman), Blandeur (Kay Ryan)

### **20:1- Spring 2015- How the Evolution of Grass Changed the World**

How Leaves of Grass Remade the World- Dana Visalli

Fire & Water: Stream Processes & the Role of Fire- Gina McCoy

Strategies for Successful Nesting- Eddie Torr

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### **20:2- Summer 2015- Nesting on Mountaintops: Birds Above Timberline**

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Copper Glance- Art Campbell

New Birds & Flowers for the Methow- Eddie Torr

What Insect Societies Teach Us About Ourselves- James Costa

Man & Nature: Physical Geography as Modified by Human Action- Fredrick Marsh 1868

Poetry: Growing Up at the End of Time (Terrance McKenna), Auguries of Innocence (William Blake, brief excerpt), Stay Home (Wendell Berry), Simple Living (Tao Yuan-ming)

### **20:3- Fall 2015- The River Continuum: Methow River Ecology**

How to Build an Ecosystem- Eddie Torr

The River Continuum: Methow River Ecology- Dana Visalli

How a Moose's Gut is Like an Ecosystem- Daniel Bodkin

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### **20:4- Winter 2015- North American's Pleistocene Megafauna**

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Bird Songs: The Beauty in the Beast- Eddie Torr

Bird Brains- Animal Intelligence- Art Campbell

The Sex Life of the Sagebrush Buttercup- Dana Visalli

A Garden of Microbial Delights: Bacteria & their Kin- Dana Visalli

How to Help the World- Joseph Campbell

Poetry- The Hummingbird: A Seduction (Pattiann Rogers), To the Thawing Wind (Robert Frost), Evening Song

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### **21:2- Summer 2016- Moose on the Loose in the Methow**

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Swifts- Art Campbell

Whitebark Pine: Jewel of the Subalpine- Art Kruckeberg (reprint)

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### **21:3 Fall 2016- Migrating Raptors**

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The Joy of Liverworts- Eddie Torr  
The Evolution of Bird Migration- Dana Visalli  
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#### **21:4 Winter 2016- Primates of North America--& the Methow Watershed**

Primates of North America- Dana Visalli  
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#### **22:1 Spring 2017- Miracle of Metamorphosis**

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#### **22:2 Summer 2017- The Pleistocene: 2.5 Million Years of Ice**

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#### **22:3- Fall 2017- Earth & the Great Weather**

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#### **23:1 Spring 2018- The Geology of Pipestone Canyon**

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### **23:2 Summer 2018- Ecology of Lakes & Ponds**

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### **23:3 Fall 2018- Owls of the Methow**

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### **23:4 Winter 2018- Snow White & the Seven Morphs: A Natural History of Snow Crystals**

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### **24:1 Spring 2019- The Story in the Rocks**

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### **24:2 Summer 2019- A Very Famous But Little Known Alpine Plant**

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### **24:3 Fall 2019- Forest, Fire, River, Sea: A Continuum**

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### **24:4 Winter 2019- Life on the Rocks: Biology Meets Geology**

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**25:1 Spring 2020- Ecology of the Missing Megafauna**

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