



2015

# Colorado Permaculture Convergence in The Four Corners

~

## Presenters Guide & Program



HANANIAH'S REST

**RANCH**

### Welcome!

You are now a guest on Hananiah's Rest Ranch and an extended member of The Curry Family.

Having grown up being trained to proffer the utmost in hospitality, Kathy & Grant (alias Bob) have tried to make this event as comfortable as possible for you but, never having hosted an event of this size, please tell us right away if you think of anything we missed.

In the spirit of accepting feedback according to Permaculture's 4th principle, please email us after the event to let us know what "Aha" moments you were able to have and any ways we can make next years event even better.

Also, please take a moment to review the calendar on the back of this program to find ways to keep developing even more "Aha" moments to help you on your permaculture path.

Thanks for coming and helping to make this a great weekend!

### Dogs & Fires

Unfortunately, owing to various departments of making you sad, we can't permit dogs (our own excepted) or fires (except at the outdoor kitchen) on the property.

### Bathrooms

Please see the map in the back for bathroom locations. There is a stall in the camping area as well

### Emergency Phone Numbers:

Should you need any help while on the Ranch, feel free to call the phone numbers below. You should have cell reception on the property.

Kathy 970-759-2724 Chris 970-759-6468

Grant 970-769-1351 Cal 970-759-1218

SATURDAY				
	Big Tent	Med Tent	Small Tent	Indoor Outdoor
9	Registration Check In at the Tiny Home at The Gate			
10	Opening Address The “Aha Moment” - Grant Curry			
11	Opening Keynote: Katrina Blair 2B Followed by a “Group Hug”			
12	Lunch	Katrina—Booksigning	Intro to Grafting— Amling	Adventures in Perma- culture: Australia— Thomas
13 or 1PM	Intro to Permaculture—Bartow			Rocket Mass Heaters— Grant Curry
14 or 2PM	Alt Community— Bartow	Humanure Intro—Wright		Intro to Sketchup—Curry Sr.
Break				
15 or 3PM	Orchard Polyculture— Clearwater	What is a Seed— Williams	Marijuana—Nettleton	Climate Change Adaptation though Drought Proofing—Kidd
16 or 4PM	Compost Tea-Abrahams Generating Wealth & Sus- tainability—Dvergsten	Drip Irrigation—Miles	Bee Inspired Gardens— Brain	Tiny homes—Curry Jr.
17 or 5PM	Roundtable w Instructors and Happy Hour by Gaia University			
18 or 6PM	Dinner, Music & Dancing			

SUNDAY						
	Big Tent	Med Tent	Small Tent	Indoor	Outdoor	
7					Weed Walk—Blair, Kidd, Schneider	
8	Breakfast					
9	Intro to Grafting—Amling			Permaculture+ Holstrum	Earthworks: Backhoe Anyone? - Sparks	
10	Break—Swale Planting					
11	“Aha” Roundtable: Come share your “Aha” moments—Curry		Natural Building—Barrows		Earthworks: Backhoe Anyone? - Sparks	
			Herbicide Remediation Mycelium—Custer			
12	Lunch	Katrina—Booksigning			Adventures in Permaculture: Australia—Thomas	
13 or 1PM	MORP-Schuenemeyer	GAIA			Permaculture Is Not Gardening—Marchildon	Tiny homes
		Humanure Intro—Wright			Shrooms-Custer	Silvaculture—Temple
	Break					
15 or 3PM	Joel Glanzberg					
16 or 4PM	World Water Crisis					
	Closing “Aha”					

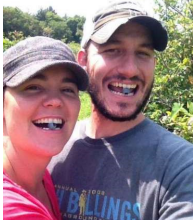


**Ken Amling** is presently on the board of MORP (Montezuma Orchard Restoration Project) and has a 60 tree apple orchard (8 yrs old). Ken graduated from Cal Poly, Pomona, California, as an Agriculture Biology major.

**Scotty Abrahams** is the owner of TeaCo Biological Supply. TeaCo Bio Supply specializes in living compost teas, Bio-Dynamic compost, worm castings. Teaco has been operating in SW Colorado for 5 years and has outlets in Telluride, Montrose, Cortez, Tampa FL and Tuscon AZ.



**Alex Barrows** started studying energy efficient housing design in the early 1990s in boulder. He worked on several Earthships before building my own in 1995. I completed my PDC with Joel Glansburg in 2000, and advanced design and teachers courses at CRIMPI 2006. I have worked with earthblock, light straw, strawbale, and tire formed buildings. My design work focuses on appropriate scale, natural and local materials and integrated design that supports body, mind and spirit.



**Heather & Nick Bartow** Nick was a certified automotive technician and Heather was in marketing and sales until about six years ago when they found permaculture. They have studied and taken 2 permaculture design courses. They used this knowledge on a small homestead in MA. They have learned that leading the life that most would consider successful was not all that fruitful. They had a sizable mortgage, lots of "things" and plenty of debt. They began to

down size most of our lives starting about 3 years ago. They got down to only a mortgage and minimal bills but found that they still had to work jobs they hated to keep up with the mortgage. They now have fully minimized to a 19' camp trailer and are traveling to find the community they want. They plan to buy land and build a cob home and create a space for people to come and learn sustainability and permaculture. In their new vision of the way life should be, they have found a way to truly help and inspire others to achieve things only dreamed.



Based in Reno, NV, **Neil Bertrando** manages a 1.3 acre homestead with his wife Katie and the help of many in the community. His passion is enriching bioregions by building community and broadening the local permaculture resources of practical plants and animals to relocalize resource supply networks. He strives for collaboration in his work and runs BT Permaculture, a Permaculture consulting, design, and education business. In his teaching and design he applies Keyline Design, Permaculture and Holistic Management as interconnected systems approaches to managing the complexities of ecosystems. While he lives in a temperate arid climate, over the past 12 years, he has gained experience working in a wide range of climate and cultural contexts such as Hawaii, Haiti, Minnesota, Maine, Montana, Nevada, New Mexico, Oregon, and California. He has an MS in Environmental Science from University of Nevada, Reno, where his research focused on effects of the urban corridor on stream health and regional nutrient cycling. In design and development he has worked properties from 1/10<sup>th</sup> of an acre to 100+ acres.



**Katrina Blair** began studying wild plants in her teens when she camped out alone for a summer to focus on eating wild foods. She later wrote "The Wild Edible and Medicinal Plants of the San Juan Mountains" for her senior project at Colorado College. In 1997 she completed a MA at John F Kennedy University in Orinda, CA in Holistic Health Education. She founded Turtle Lake Refuge in 1998, a non-profit, whose mission is to celebrate the connection between personal health and wild lands. Turtle Lake Refuge is a wild harvested, locally grown and living foods café and sustainable education center for the community. Katrina teaches sustainable living practices and wild edible and medicinal classes locally and globally. She is author of a book titled "Local Wild Life- Turtle Lake Refuge's Recipes for Living Deep" and "The Wild Wisdom of Weeds: 13 Essential Plants for Human Survival" published by Chelsea Green 2014.

NEIL HAD TO CANCEL  
AT THE LAST MINUTE  
FOR PERSONAL REASONS



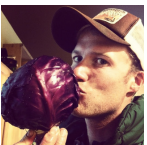
**Roslynn Brain** is an Assistant Professor, Sustainable Communities Extension Specialist in the Department of Environment and Society, College of Natural Resources at Utah State University. She uses conservation theory, communication techniques, and social marketing tools to foster environmental behaviors with a focus on waste reduction and local food movements. Roslynn developed and launched Extension Sustainability (<http://extension.usu.edu/sustainability>), a set of tools and information for the public to engage in sustainable behaviors.

She also teaches Communicating Sustainability, has launched a statewide program to connect farmers with restaurants called Utah Farm-Chef-Fork, facilitates permaculture workshops for adults, and she designed and co-teaches sustainability camps for kids.

**Jeremy Lynch** has worked on farms in the United States, Canada and India broadened his practical and conceptual understanding of what it means to grow food in a globalizing world. With an interest in the cultural significance and the human simplicity of food production within and for one's community, his passion remains to discover and teach method's for sustainable harvest, broadening – not constraining – diversity.' Jeremy has recently launched *In Transition* Permaculture in Moab, UT which developed out of collaborations with regional ecological designers and serves the Moab community as a personal, locally-based resource for land and water design and management.



**Shannon "Wind" Clearwater** is a permaculture designer, practitioner and teacher residing in the North Fork Valley of Colorado. He has been involved in the permaculture and landscape design communities in Colorado for over 20 years.



Could you live in a home that is 100 square feet? **Chris Curry**, owner of Spice Box Homes, knows many people can, and the reasons are economical and a "simplify your life" philosophy. For Curry the solution is custom built mini-homes that use recycled materials wherever possible. "I've almost gotten arrested pulling perfectly fine construction materials from landfills," he says. "It's a societal problem that so many usable resources are thrown away." While he still builds conventionally, his real passion is creating Spicebox Homes.



**Grant Curry's** father gave him his first Euell Gibbon's book (*Stalking The Wild Asparagus*) in The Summer of Love just as he discovered his first calling: wanna-be hippy. When his dad died during freshman year of college Grant gave up pre Med and switched to Religious Studies to figure out the Universe. After college he started making a living in a five star restaurant—eventually working his way up to Garde Manger Chef. Deciding he couldn't support his growing family in a kitchen he became a traveling salesman in the international food industry. Owing to a bizarre set of circumstances that only an amazing Universe could cook up (ask me if you're skeptical), he then packed up his family and moved across the country to manage an organic juice plant in the Rockies. When that company vanished, he decided he had figured out the universe and would take another crack at medicine. Now a nurse on The Navajo Nation his most passionate hobbies are helping to initiate the largest land restoration project in US history and continuing his 20 years study of the first Permaculture Design Manual—The Torah. The loves of his life are 5 kids, 3 grandchildren and a wife crazy enough to have picked him!



**Kathy Curry** says of herself that she is less fearful now than I was 18 months ago when she started this project. She believes there is nothing more important than this project and the journey her family and she are on. Her level of health and well being inspires her daily. She lives to jump out of bed and get to work because she has a purpose. She is a wife ( married 30 yrs and, yes, she says, he is an amazing man) and a mother to 5 wonderful adult children who made her who she is today. She is also a grandmother to three beautiful grand children who all have planted trees here on the property.



**Travis Custer** has been practicing and studying sustainable agriculture in various capacities for the past 7 years in the Southwest. Most recently he has been involved in running San Juan Mycology a gourmet mushroom cultivation and research company. Travis dedicates his work towards strengthening the resilience of his community through soil health, environmental protection, and social change. He lives in Mancos and is the proud father of a 3 year old boy.



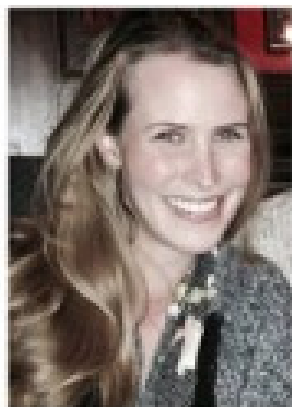


**Cindy Dvergsten**, Whole New Concepts LLC and Arriola Sunshine Farm, is a lifelong farmer committed to helping people make a difference by putting 30 years of experience in natural resource management, business and agriculture to work for her clients. Trained by Allan Savory, Cindy has been teaching and mentoring holistic managers for twenty years. She has practical experience using holistic management to improve her quality of life and manage her farm to create healthy land, people, and economy.

## GAIA University—Panel Discussion on Permaculture Education



**Patrick Padden**  
Gaia U Masters Graduate  
Owner Padden Permaculture



**Ava Klinger**  
Gaia U Masters Associate  
Gaia U Admissions Counselor



**Kirsten Liegmann**  
Panel Facilitator  
Gaia U Registrar &  
Dir. of Operations



**Symone Allen**  
Gaia U Masters Associate



**Jacki Saorsail**  
Gaia U Masters Associate

### Description of Panel:

Gaia University associates and graduates will demonstrate and discuss the value of permaculture-based, action-learning Edge-ucation in furthering essential skill flex development and the cultivation of leadership for global Ecosocial Regeneration. Join us for a lively Fishbowl discussion and Q&A session.

**Ava Klinger** has been part of the Gaia University team since 2010. With al background in dance, writing, history, education, event planning, permaculture design, and group facilitation, she holds a BA in Humanities and Russian History from the University of Colorado at Boulder. She is currently enrolled as a Gaia University Masters Degree associate in Open Topic with a focus on Writing and Publishing and is working on her first novel.

**Jacki Saorsail** is an Regenerative Enterprise design and management consultant who is helping people create beyond-sustainable businesses using integrative design and Permaculture. She is starting a business incubator in Boulder, Colorado. She is currently enrolled as a Gaia University Masters Degree associate.

**Patrick Padden** recently earned his master's degree from Gaia University and currently runs an ecological landscape design and build company called Padden Permaculture. He is based out of Fort Collins and coordinates the permaculture program at Sunrise Ranch.

**Symone Allen** was born and raised in Colorado. She is currently striving to make her off-grid straw bale cabin and 38-acre property in Durango as self-sufficient and sustainable as possible. She is currently enrolled as a Gaia University Masters Degree associate.

**Kirsten Liegmann** has served as Registrar and Director of Operations for Gaia University since 2007. She has created and implemented systems for every quadrant of the organization. She has broad spectrum training in permaculture and sustainability, leadership and the development of invisible structures, with focus on whole system designs. She holds an MBA in Sustainable Management.



**Joel Glanzberg** contributes over 25 years' experience as an applied naturalist to land and community development projects throughout the United States. An active author and educator in the fields of permaculture and ecological design, Joel is skilled in cross-cultural communication and teaching. He has taught throughout the United States as well as in Africa and South America, and worked with a variety of Native American tribes and communities. He also acts as a faculty member for The Regenerative Practitioner series. Joel has worked for a diverse client base, including communities, colleges and universities, government agencies, and private developers. Recent projects include a new student campus for the Winston Preparatory School in Norwalk, Connecticut and a regional sustainability planning project in the Finger Lakes region of New York.



**Kris Holstrom** has practiced permaculture at Tomten Farm, her off-grid, high-altitude demonstration / education farm near Telluride, Colorado for over 25 years. She has a BS in Forest Management and an MS in Horticulture but has learned the most from the land and plants themselves. Her personal philosophy, "the patterns of this land form the fabric of my soul".



Permaculture and green building have been **Jeremiah Kidd's** passion and profession for over 20 years focusing on the desert southwest and also consulting internationally. San Isidro Permaculture, based in Santa Fe, NM, has offered design and installation services since 2000 for the four corners region.

**Lu Nettleton** of the Colorado Plateau Growers Association, hopes to see the wealth generated by hemp remain in the area. "Build an industry and add value at each step to full retail and that's where your jobs are and those are all reasonable paying jobs and they're long-term jobs," he said. "What I want is Osprey to use that plant as a source of material to bring jobs back to Cortez making their line of camping gear, which is all done in Bangladesh and Vietnam now."

Nettleton stands out among Hemp Talks members in that he favors a change in law to permit growing what he calls "full-spectrum cannabis." He wants to grow plants with a THC content around 15 percent rather than the 0.3 percent. He believes Southwest Colorado and much of the Colorado Plateau is well-suited for growing high-THC cannabis for the pharmaceutical industry and other uses.



A San Luis Valley native, **Jesse Marchildon** became disenchanted with academia and the business world after graduating from CU Boulder. Now pursues moneyless living and a deep understanding of regenerative land use. Currently spends his days giving of himself at Fury's Funny Farm in McElmo Canyon.



**Steve Miles** began his "agricultural" career as a Peace Corps Volunteer in Guatemala in the early 70's. After returning to the "states" he started working for CSU Extension at the irrigation trials station in Arriola. A few years were spent designing and installing agricultural irrigation systems in the private sector. That morphed into starting a landscape irrigation business which occupied the next 35 years. In addition he has a tree nursery, all on drip irrigation.

The landscape business focused on turf and small acreage systems. His drip irrigation experience extends to design and installation running the spectrum from landscape drip, to nursery, vineyards, orchards, and windbreaks.

Steve began serving on the Dolores Conservation District board in 2001. He was awarded Conservationist of the Year in 2008 by the Colorado Department of Agriculture for his activities in weed management and conservation. The Colorado Weed Management Association similarly awarded Steve and the Dolores Conservation District with Weed Manager of the Year for efforts made in tamarisk control in the district.



**Doug Sparks** worked on a farm in Oregon during his formative years and the farmer he worked with taught him many things about husbanding the earth and operating earthmoving machinery. Graduating from Oregon Institute of Technology in 1980, with a Civil Engineering degree he spent most of his working years in the electric utility industry designing transmission lines, substations and other electrical distribution infrastructure. He also was the utility liaison for the interconnection of alternate energy systems to the utility grid. In this capacity he was part of the team that connected to the local electrical distribution grid, the largest photovoltaic array in the four corners region to date. Doug continues working with the land and in keeping to his roots he farms a 5 acre piece of land with his wife Mary. They have an apple orchard of 140 vintage trees that they operate organically. Doug appreciates the importance of husbanding this earth in ways that are sustainable and renewable.



You're walking and a bright wildflower catches your eye. You've never seen it before — and you want to know more. **Al Schneider** of Lewis has an app for that. The retired English professor created [Colorado Rocky Mountain Wildflowers](#) with the help of High Country Apps, a Montana-based app developer of guides for outdoor enthusiasts. Schneider took nearly every photo in the interactive Colorado wild-

flower guide, trekking from the foothills all the way up to alpine environments throughout the state. Al is also the President of the San Juan Chapter Native Plant Society of the New Mexico.



After nearly two decades of playing mountaineer, paramedic, and Wildland Hotshot Firefighter, **Jude Schuenemeyer** became a father and business owner. Since 2001 he has self-learned how to be a parent, grower, nursery person, farmer, orchardist, historian, grafter, coffee roaster, and cook; making him a "crash-course graduate" in how to run a small family farm and

business. In addition to being passionate about his family and three beautiful girls Jude is a fruit enthusiast. He and his wife Addie are Co-founders of the Montezuma Orchard Restoration Project (MORP) preserving Montezuma Valley's fruit-growing heritage, and restore an orchard culture and economy to the region.



In the spring of 2007, [WATERisLIFE.com](#) Founder, **Ken Surritte** was standing in his hotel room in Nairobi. He had looked forward to the first shower after a long week in the field. He turned on the water to let it warm up, when it hit him like a ton of bricks: the children that he had just left at the orphanage would love to have the water that was running down the drain. The phrase "WATERisLIFE" kept repeating through his head. That phrase haunted him.

So, he and a small group of volunteers began drilling water wells in villages and saw great things happen. But, shortly after they built a well in an orphanage outside of Kisumu, Kenya, they found that the children were still getting sick. After rechecking the well several times they discovered the source of the problem was that the "drinking fountain" at school was a stagnant pond. So, he thought "What can we give the kids to take to school with them so they can access clean water." From this, the WATERisLIFE.com filtration Straws were born.

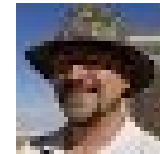
WATERisLIFE's goal is to provide water, sanitation and hygiene to children to create the immediate solution for preventable waterborne diseases, and to provide a sustainable clean water source for their community. WATERisLIFE is creating continued awareness of the global pure water crisis and

offers an opportunity for all to participate in the solution; one child's life at a time. WATERisLIFE...Saving lives. Transforming communities.

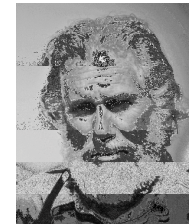


A Colorado native, owner **David B. Temple**, has been involved in the green industry for 40 years. He has the distinction of being one of the nation's few Board Certified Master Arborists. After graduating from Colorado State University with a degree in Landscape Horticulture, David started the tree care business, Animas Valley Arborist.

David has been affiliated with the International Society of Arboriculture, Colorado Nurseryman's Association, Tree Care Industry Association and the Associated Landscape Contractors of Colorado, where he served a term as President. David now concentrates his efforts at Trees of Trail Canyon growing specialized and diverse varieties of large, specimen trees.



**Steven Saint Thomas and Trudy Thomas** of Colorado Springs are "permie-journo's" covering the latest developments in world of permaculture. Articles, blogs, video and radio webcasts can be found at [AdventuresInPermaculture.com](#).



**Bevan Williams:** 20 years experience in permaculture community development (10 locations), community food systems, alternative sanitation systems implementation, alternative construction techniques alternative energy systems. Founded "Sustainable Living Systems" (a 501c3) in Montana, where we sponsored the first Montana organic conference and created the largest food crop seed bank in

the state. Sponsored many permaculture programs and workshops, which included many national and international speakers such as Michael Pilarsky (one of the first 5 persons personally taught permaculture by Bill Mollison), Susan Witt (CEO of E. F. Schumacher Society - USA, developed the Community Land Trust, and Berkshares a local currency), Helena Norberg-Hodge (author of "Ancient Futures"), Dr. Smirinski (CEO International Crane Society- Ukraine). and many others.



**Jeff Wright** is a farmer, farrier, blacksmith. Got his start shoeing horses on a ranch in Granby Co in 1977. Did one year at Ft Lewis in Durango the same year. Chose the trades. After three more years in Granby, I ended up in the mountains of Western NC for the next 25 years. I now live in Marvel Co.



## MAP KEY

- 1) Big Tent
- 2) Medium Tent
- 3) Small Tent
- 4) Great Room
- 5) Restrooms
- 6) Vendors
- 7) Bookshop & Raffle Items Location

## Summer Calendar @ Hananiah's

All events (except Permaculture of The Mind Movie Nights) starting at 2pm and followed by a permaculture potluck and great conversation! Join us for the potluck even if you aren't ready to implement food and water security o your property this year.

July 19 — Plan & Lay Out Your Swale to Prep for Monsoon—Get This Year's Water in the Ground

Aug 16 — Plan Your Food Forest (on your new swale!) to Prep for Fall Planting

Sep 13 — Build a Rocket Mass Heater to Prep for Winter!

Oct 10— Premier of the Permaculture of The Mind Movie Series: The Fisher King. Potluck @ 6

Oct 11— Plant Your Food Forest (on your new swale!) to Feed your Generations

Nov 8— Check Dam Build: Restore springs on your land and create the best drinking water possible.

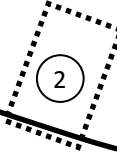
To entrance

To camping

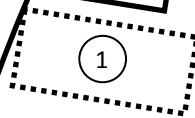
SWALE



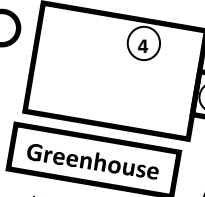
6



Kitchen



4



Greenhouse



7



Notes:

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