## Equine Evolution: Part 1

By Janice M. Ladendorf

would have been much more standardized. For example, the vagueros of Mexico and the gauchos of Argentina started from the same source, but are far apart geographically. The vaqueros developed Western saddles and lassos (lariats) while the gauchos used treeless saddles and "boleadores."

Archeological evidence also

explain most of them. For example, horses were redistributed all through the Roman Empire. Starting about 200 B.C., the Silk Roads linked China to the Mediterranean and for centuries horses moved along these roads. The prime example of human-induced migrations is what happened when the conquistadors brought horses back to North Amer-

ica and introduced them to

When horses evolved on the

prairies of North America.

a land bridge often linked

Alaska and Siberia. They

used this bridge to migrate

to Eurasia where they found

many variations in climate.

elevation, and food supply.

variations, four basic types

They are the heavy forest

horse. Przewalski's horse.

the tundra horse, and the

tarpan. Only Przewalski's

horse is not extinct. Three

attempts to recreate the

They are the konik, the Heck

horse, and the Hegardt or

About 12,000 B.C., the

horse disappeared from

North America, but so did

preyed on them. Explana-

tions vary from disease to

over-hunting by humans,

other large herbivores

and the predators who

tarpan have been made.

Stroebel horse.

As they adapted to these

of wild horses emerged.

South America.

Conclusion:

Drawing of Turkmenia or Turkoman horse, 1848.

suggests other sites did exist. Iberia is one of them. Domestication had probably occurred there between 6000 and 4000 B.C., though some experts believe horses were domesticated there well before this time. By 2000 B.C., the Andalusian had been established as a breed. When Arabia was not vet a desert, the al-Magar civilization thrived near northern Yemen. Some of the artifacts from this site suggest horses may have been domesticated by 6000

Various attempts have been made to link modern breeds to types of wild horses. The standard classification is of two pony types and two horse types. Authors tend to claim different breeds are descended from these types. Other classifications of three to seven types also exist. In my opinion, those who invented these classifications overlooked the extent to which human migrations have redistributed equine popuchange.

domesticated between 6000 and 4000 B.C. Extensive research has established this had happened on the grasslands of the Ukraine, southwest Russian, and Kazakhstan. Arid Turkmenistan lies south of Kazakhstan and by 2000 B.C., a special breed

of horse had been established in this area. Other domestication sites do exist, such as Iberia. By 2000 B.C., the Iberian breed had been established there.

Domestic horses no longer had the reedom to migrate with their own herds, but they traveled far with their owners. When the Silk Roads ran from China to the

Near East, they could spread along this road from east to west and from west to east. When the conquistadors brought horses with them to the New World, they were once

lations. War and commerce but the most likely explana- again returned to their origition is some type of climate nal home.

Horses were probably first

provides new insights into the origin of the Chinese domestic horse," Journal of Archaeological Science, volume 36, issue 3, March 2009, pp. 835-842.

Magazine, Oct. 1993, pp. 771-8.

Harrigan, Peter. "Discovery at al-Magar," Saudi Aramco World, May/June 2012.

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Information Sources:

Anthony, David W. and Dorcas R. Brown. "The origins of horseback riding," Antiquity, vol. 65, issue 246, March 1991, pp. 22-38.

Baumann. Deb. "Are Wild Horses Really Wild?" The Equestrian News, June 2006.

Cai, Dawal. "Ancient DNA

Dodge. Theodore A. "Riders of Syria," New Monthly

Edwards, Elwyn Hartley. The New Encyclopedia of the Horse. London, Dorling Kindersley, 2000.

Hayes, Capt. M. Horace. Points of the Horse, 7th Edition. Arco Publishing Co., NY, August 4, 2013, pp. 74-78. 1969, pp. 300-309.

Hendricks, Bonnie. International Encyclopedia of Horse Breeds. Norman, OK. University of Oklahoma, 1995.

Jansen, Thomas. "Mitochondrial DNA and the origins of the domestic horse", Proceedings of the National Academy of Scientists, vol. 99, no. 116, Aug. 6, 2002, pp. 10905-10910.

Kirkpatrick, Jay. F. *Into the* Wind: Wild Horses of North America. North Word Press. Minocqua, Wisconsin, 1994.

Levine, Marsha A. "Domestication, Breed Diversification and Early History of the Horse". McDonald Institute for Archaeological Research, Cambridge, UK. Presented a workshop on horse behavior and welfare, June 2002.

MacLean, Mac. "Local Tarpan [Hengart Stroebel] Herd Relocate to Southeast Oregon," Bend Bulletin, Oct. 6, 2013.

Orlando, Ludovic. "Recalibrating Equus evolution using the genome sequence of an early Middle Pleistocene Horse," Nature, vol. 499.

August 2015

Pynn, Larry, "Genetic study of Chilcotin's wild horses finds surprising links to Siberia," Vancouver Sun, Jan. 7. 2015.

Raff, Lynn. "Spirit Horse: Equus Przewalski: Ancient Ghost of the Steppes". Art Horse Magazine. Winter 2010, issue 10, pp. 4-11.

Vila, Carles, "Widespread origins of domestic horse lineages", Science, Jan. 19, 2001, pp. 474-7.

Warmuth, Vera M. "Reconstructing the origin and spread of horse domestication in Eurasian steppes", Proceedings of the National Academy of Scientists, vol. 109, issue 21, May 22, 2012, pp. 8202-8206.

Warmuth, Vera M. "Ancient trade routes shaped the genetic structure of horses in eastern Eurasia", Molecular Biology, vol. 22, issue 21, Nov. 2012, pp. 5340-5351.



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## She Puts Spirit in Spirit Horse Center By Kari Hagstrom

neautiful pine forests of north central Minhesota, Spirit Horse Center, Inc., www.

spirithorsecenterinc.com, near Brainerd, is a unique kind of facility. It has a holistic and spiritual orientation like few other barns. It isn't your average equine facility.

Founded in 2008 by Staci Grattan-Fornshell, Spirit Horse Center is the result of Grattan-Fornshell seeing "a fork in the road of my life. I was just compelled to do something different." A lifelong horsewoman, Grattan-Fornshell had spent plenty of time at other barns, and could see the need for a different kind of barn.

A successful business woman already, with Grattan HealthCare, Inc., Grattan-Fornshell really didn't need more work to do. She was pregnant at the time, having had a challenging time conceiving; so her pregnancy was regarded as a treasured gift. Yet she still felt compelled to start an equine facility.

Pregnant when they broke ground in July 2008, Grattan-Fornshell gave birth in August. She and her husband and business partner, Brion Fornshell, opened the facility in November.

She says, "I knew I had to do something. I'm a very logical person, with a head for business, and starting a boarding and training facility wasn't the most logical decision, but I was just compelled to do it, to offer something different."

Named in honor of spirit, the spiritual path, and the spirit of the horse, Spirit Horse Center was among the first equine facilities in central Minnesota to begin offering courses on healing modalities, essential oils. energy healing and the like. "People were intrigued,"

says Grattan-Fornshell. "It became a chance to educate instructors in dressage and people about horses." People just started showing up for the courses. "It was and is a time to understand the gifts that horses offer to

kind." The

courswere wellreceived. Spirit Horse Center has also hosted clinics

by internationally-recognized educators, such as classical French dressage Master Dominique Barbier, Masterson Method clinics, and clinics with holistic and natural horsemanship clinician, Anna Twinney through the years, and will continue do to do so. The essential spirit of Spirit

Horse Center is about education and holism. There is a real emphasis on educating the rider in trust-based leadership, partnership and relationship with the horse. The horse isn't just taken for granted as a moving piece of the puzzle: the horse is treated as a partner. both in the barn and in

the arena.

"If [people] aren't taught to look at horses in an empathetic and compassionate way, and get 20 steps down the road before they realize they are doing stuff they don't even know is cruel, they're invested in it. And it's really hard to change when you have emotional and egotistical investments in what you're doing," says Grattan-Forn-

Grattan-Fornshell is an accomplished rider, who

studies rigorously with her holistic horsemanship, often flying out to California or Colorado to attend trainings. She passes on this knowledge to her students, and shares

> experi-Raised in ence with others by hosting clinics.

She has become accomplished and knowledgeable in "multipronged holistic

horsemanship approaches, including trust-based leadership and clear compassionate communication. handling and training, training through proper body mechanics and relaxation. energy and visualization, supplements and much more. She's also proficient in many horse health, soundness and well being areas, as well as Reiki, reflexology and energy work" [from the website].

She feels that a good

instructor should empower

people who have worked

or instructor who do not

seem willing to make their

own decisions, who have

coach or clinician. "One

of my core beliefs is that

ship, that they know why

been disempowered into re-

lying on the judgment, opin-

ion or view of the instructor,

people own their horseman-

the student. She sees many

with a clinician, riding coach

and they know what they always trying to help us, are doing. After ten years of even when we don't know horsemanship, you have to it." savs Grattan-Fornshell. ask your trainer something you should know already? In addition to hosting stellar As a trainer and instructor, I international clinicians and

find that reprehensible. An instructor should empower

challenging environment. Grattan-Fornshell says she wasn't taught to walk in integrity; but she's learned The horses have helped "I've always liked animals better than

humans, and I've since learned about integrity from them. Staying the course is very challenging. As a business owner. I have to walk the walk of knowing the right people will show up. Using the Law of Attraction has been helpful in attracting the people that resonate with our intentions and energy here. There's no abuse in my barn on my watch. In staying the course, I have to focus on 'what do I want, what do I want' at my barn. I want to show people the magic of horses. I love to

teach, and consider myself

"Animals and humans have

evolved together. We have

a heart connection. There's

horse and human world.

a molecular exchange of

to-human and human-

to-horse. More than any

other animal, horses want

to elevate our energy from

our level to theirs. They're

energy between us, horse-

an ambassador between the

Spirit Horse Center

mentoring opportunities. They frequently host equine Special Olympics.

Therapeutic Horsemanship

for Persons with Disabilities

and offers volunteer and

interesting clinics/work-

hosts Mounted Eagles

shops, Spirit Horse Center

Spirit Horse Center's "stateof-the-art facilities were designed and built to ensure that the horses boarded here are comfortable, to give riders easy access to their horse and tack, and to provide a spacious and safe environment in which our guests can either ride or learn about horses" [from

the website].

Spirit Horse Center offers a 160' x 80' heated indoor arena, and a 180' x 70' outdoor riding arena. here is classroom space, a viewing space on the second floor mezzanine, and a small classroom also on the second floor

Outdoor boarding space is available with outdoor shelters, automatic waterers and safe Electrobraid fencing. Indoor stalling is also available in the climate-controlled barn, and horses receive daily turn out. Boarders may be long or short-term, and medical stavs are welcome. Private outdoor paddocks are available, and care can be customized based on need or medical requirements.

Wooded trails are available for customer use on the 17-acre property, which has been in Grattan-Fornshell's family for generations. They also offer free aerated com-

It's all about the horse at

post and manure.

where the focus s on the care and well-being of the norse, and how riders are instructed. Horsemanshin les sons are available for groups or individuals, and people are welcome to railer-in their horses for lessons or clinics. All ages and riding abilities

Spirit Horse Center

are welcome at lessons, and Spirit Horse Center has school horses available for use. Horse training sessions center around "solid basics, dressage and natural horsemanship methods," and are available on a limited basis

It's all about the horse for

Staci Grattan-Fornshell. She' a passionate horsewoman, learner and educator, who passes on her knowledge to others to improve horse-human relationship dynamics. She helps others to realize the gifts horses bring to our lives. And she has developed a fabulous stateof-the-art facility in Spirit Horse Center in which to do so. The energy of the place is welcoming and progressive. It's a unique place where the spirit of the person and the horse are honored.

For more information or to follow events and upcoming clinics, please go to www.spirithorsecenterinc.

Staci Grattan-Fornshell and her Lusitano aeldina. Zombado. Photo by Keron Psilas

Spirit Horse Center riders on Shawkia, Titan and Sophia, Below: The Spirit Horse Center barn. Photos by Bourn Photography.