

The Official Publication of the International Miniature Zebu Association



INSIDE THIS ISSUE:

- Lantana Poisoning in a Miniature Zebu Cow
- Steps to Herd-Health Planning
- Calf Scours—Why Does My Calf Have Diarrhea?
- Recap of the 2016 IMZA Annual Meeting

Founded in 1991, the IMZA is the oldest registry of miniature zebu in the world. Our purpose is to collect, record, and preserve the pedigrees of all Miniature Zebu cattle. Additionally, we support our members through education and promotion of the breed, maintenance of a breed registry, and the regulation of all matters that pertain to the history, breeding, exhibition, or improvement of the Miniature Zebu breed.

International Miniature Zebu Association

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Cover Photo: Ed and Nannette Bews of Ellensburg, WA, show off their new two-year-old bull, East Wind Ranch Rocky T-6467, and Ed Bews riding his Morgan/Thoroughbred mare, Chantilly. Rocky's sire is River Ranch Jackson Z-5193, and his dam is Sally Z-3342, who go back to Domino and Little Swede. Photo by Nannette Bews.

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President's Message

Hello everyone,

Interest, excitement and demand for miniature zebu cattle are growing at a very rapid pace. IMZA cattle are being seen in miniature zebu shows all over the country. Rick Bogle, Board member and IMZA Show Committee Chairman, is very actively involved in the IMZA-sponsored Florida shows. He reports great success and fast-growing interest, especially among the youth handlers at these shows. Board of Directors member, Kenny Cornwell, recently organized and presided over the first annual T & L's Miniature Zebu and Livestock Show in Vinita, Oklahoma. This IMZA-sponsored show was held April 30, 2016. Kenny was very pleased with the crowd size and the enthusiasm shown by attendees and participants alike. It was another success story for miniature zebu and their youth handlers. Kenny anticipates an even bigger and better show next spring.

If you have any interest in starting a miniature show and need assistance, please contact Rick Bogle or any IMZA Board member. The International Miniature Zebu Association is very interested in helping you make your IMZA-sponsored show dreams become a reality.

We are about to wrap up calving season here at the ranch. I love this time of year. There are few things that are as adorable as a newborn miniature zebu calf. I hope all of you have some of these beautiful little calves to take up most of your time and lots of your attention. Don't forget to get them IMZA-registered and then advertise them for free on the Sale Barn page of www.imza.name -- that is, if you can force yourself part with any of them. ☺

Judy Rohner,

President, International Miniature Zebu Association



Dean Schocker's first calf of the season—it's a bull, born 06-11-16.

Registration Information

Have you used our new online registration forms? You will notice that our forms look different. They are much easier for you to complete now.

Please note you will need your membership number for each registration that you do, as well as the buyer's membership number. If the buyer does not have a member number, please just enter 0000. If you do not know your membership number, please email Kathy Petersen, Registrar, at imzainfo@gmail.com, and I will send it to you as soon as possible. Please keep that number handy so your registrations are not delayed.

Please allow three to four weeks for processing, although most are processed within seven to 10 business days. Office hours are Monday-Friday, 9:00 a.m. - 3:00 p.m. EST.

We hope that you enjoy this new "streamlined" registration process.

Thank you,

Kathy Petersen, Registrar

- Registration tip on Report of Birth: When doing a report of birth, the registrar needs the completed form, the calf's picture (with the mother of the calf if possible) and \$25.00, if you are a member (\$50.00 if not a member).
- Remember, **THERE ARE NO LATE FEES!!!** Send in your registrations today.
- There are now more than **7,000** registered miniature zebus in the IMZA!
- **NOTE ON TRANSFERS AND REGISTRATIONS:**
There is no more need to return original Birth Certificates or Registrations when registering or transferring an animal on-line. Please destroy the original Birth Certificate or Certificate of Registration when doing on-line registrations or transfers.

*****REGISTRATION SPECIAL FOR IMZA MEMBERS*****

IMZA will give a 20-percent discount to anyone who hardship-registers five animals at one time. Regular Hardship Fee of \$50 would become \$40 (for a total of \$200); and AMZA-registered animals can be registered for \$32 each, instead of \$40 each (for a total of \$160). Hurry while this offer lasts!

IMZA on Facebook



Have you checked out the IMZA on Facebook lately? Here are some of the topics being discussed :

- Do you know the show standards of Zebu? Take a peek to learn more.....http://www.imza.name/show_standards.html
- Are you looking to purchase Zebu? Have you seen the ones available for sale on the IMZA website? If you haven't...take a look at those beauties: <http://www.imza.name/SaleBarn-Heifers-01.html>
- Are you looking to purchase Zebu? Find a breeder near you: <http://www.imza.name/Links.html>

Check out our Facebook page (International Miniature Zebu Association) to see what our members and others have to say about these topics!

Upcoming Miniature Zebu Shows in Florida

For further information on Florida shows, please contact Rick Bogle at 407-468-9002 or rvbogle@earthlink.net.

IMZA Members: Send in your articles, photos, show reports or unique events with your miniature zebras for publication in the IMZA CoN*Nection and on the IMZA's website. Sharing your experiences with your fellow members helps everyone learn, including potential new miniature zebu owners! Send to: webmaster@imza.name.

Please note that the IMZA CoN*Nection is now published on-line only in pdf format **three times per year** (Spring, Summer and Fall/Winter). You may see some of the same news and information on our website which may seem redundant; but websites are ever-changing. By having our newsletter in printed form, we will always have a record of what's been taking place in the history of the IMZA. Currently, we have a few back issues available for download or viewing on the IMZA website. If there are some IMZA members who do not get on the internet, please contact Barbara McDermott to make arrangements to receive a hard copy via U.S. Mail. You may contact Barbara via email at webmaster@imza.name or by telephone at 407-568-7337.



This was sent to us by our Canadian member, Glenda Allen.....

Nicky went to school for the carnival tonight and then tomorrow has a big job of teaching kids about where their food comes from at "Discover the Farm." This is a four-day event that has students coming and then the big sale day on Saturday. It was cute . . . she loves going to school--just trots down the hallways like she owns them!

Lantana Poisoning in a Miniature Zebu Cow

The Long Road to Recovery

By Barbara McDermott

Warning: Some content and photos may be graphic!

It was a beautiful, sunny, late afternoon early in May of 2016 when I noticed my cow, Summer, acting a little strange. She was turned out with her two other pasture mates, but she was walking in circles every now and then--always to the left--shaking her head and ears, as if to shake off flies. I went out to check her, and she seemed startled to see me and took off running. OK, I thought, she must be fine if she can run like that. I also noticed that when she put her head down to graze, she really didn't take any bites but was running her muzzle across the top of the grass. Not ever encountering anything like this before, I decided to see how she was the next morning. The next day she seemed to be her old self again, but as the day grew longer, she started the circling again and was unstable on her feet. Had she gotten bitten by an insect or snake? Did she eat something she shouldn't have? I didn't know. I placed a call to my vet who advised me to get her in a stall so she could take a look. I also noticed that Summer seemed to have trouble seeing and was a bit confused and disoriented. What the heck was going on? I took a video and sent it to my knowledgeable cow friend who suggested she could have eaten a poison weed--lantana, nightshade, or the like.



Lantana Poisoning in a Miniature Zebu Cow (continued)

My vet, Dr. Moira Roberts, arrived the next day, examined Summer and took some blood. Dr. Roberts felt it was also something (like lantana) that Summer had eaten. I knew lantana was poisonous to most livestock but couldn't figure out where it would be coming from. I have never had a problem with poisonous weeds in my pastures before so I was puzzled. Dr. Roberts mentioned that spring was the time for lantana to pop up, even in places it had never been before and suggested I walk my pastures to find it. She told me to keep Summer inside the barn, in a completely dark stall, and out of the sun, which I did. Dr. Roberts said she would call the next day with bloodwork results. I got to work researching lantana poisoning in cattle, and I found a lot of information! The reason Dr. Roberts suggested I keep Summer in a completely dark barn was because, in lantana poisoning, the sun will actually burn the corneas of an animal's eyes, as well as its skin.

I had my work cut out for me. I had three pastures and four paddocks I needed to check for lantana. Dr. Roberts mentioned that lantana sprouts could be so small that it would be hard to see—she was right. I was shocked to find very small sprouts of lantana in my paddock and middle pasture after walking it, step by step. I pulled it out by the roots, bagged it up and had the trash man take it away.



Small sprouts of lantana



Look how small and camouflaged lantana can be.

Although Summer seemed better the next morning (she stopped circling), she seemed blind and disoriented. She would walk into the walls of the stall, and she had little interest in food or water. Not good, I thought. Dr. Roberts called that night with her bloodwork results—Summer was dehydrated and had low glucose, but her liver enzymes weren't that out of whack. Dr. Roberts suggested I quickly give Summer some sugar water (for glucose) or salt water (to make her drink) and to keep Summer out of the sun for at least two weeks. Basically, Dr. Roberts said to treat her like she had lantana poisoning and suggested that I give Summer Probios every day to keep the flora in her gut alive. She told me that if cows do not ruminate, they would not survive. I tried many things to get Summer to eat and drink, but, first, I got lots of sugar water in her via syringe. I bought Alfalfa hay (she ate a bit); I tried feeding her shredded carrots (no interest); I put molasses in her water to encourage drinking; and I made a mix of Probios powder mixed with water, Vitamin B gel and molasses and gave it to Summer via syringe in her mouth twice a day. Summer actually looked forward to this treat and slurped it up each time...but she was still not eating or drinking much. At least she was still pooping, which is very important. The big question was if she was going to survive—and what effect it would have on her unborn calf, that was due very soon.

By the next evening, Summer still seemed "blind," but she was eating a bit of coastal hay, drank a bit of water, and she had pooped. She had little interest in her grain/pellets and was still very lethargic and disoriented. She was fighting to

Lantana Poisoning in a Miniature Zebu Cow (continued)

stay alive, though. She was up and down the next few days, and I felt and saw her baby move several times. So far, so good, I thought.



Resting after a long day.



Looking better after subcutaneous fluids

By Sunday, Mother's Day, she was still disoriented, depressed and standing in a corner with her head pressed into the wall. Dr. Roberts stopped by that afternoon since she was in the area, thankfully, and gave Summer subcutaneous fluids which seemed to perk Summer up a bit. Dr. Roberts left me with fluids to give Summer subcutaneously on Tuesday and Thursday and told me to keep doing what I had been. Summer still was not eating much, so I made a slurry of pellets and water and gave that to her via syringe. I knew I had to get some nourishment in her somehow! Monday morning showed vast improvement—Summer had actually drank a half bucket of water on her own and was munching some hay! It also appeared that she could see a bit better. I also noticed that her vulva was a bit more swollen and that her udder had filled a bit—and I saw and felt the calf move again! Tuesday was a down day—Summer was a bit shaky on her feet and had gone back to not eating or drinking much. She was still getting her Probios concoction twice a day, but her pooping had slowed down. With not much eating, there wasn't much pooping. I had my husband help me give her the subcutaneous fluids Dr. Roberts had left. Throughout all this, I was amazed that Summer actually let me handle her because she has always been a timid girl. I think she knew I was there to help. By that evening, Summer was laying down but seemed comfortable and was eating grain and hay on her own. The next morning (Wednesday) Summer was walking around in her stall, looking alert and licking her mineral block. YES! She obviously could see better and was quite alert, but no poop. I was getting nervous now—she hadn't pooped in two days. I noticed a slight discharge from her vulva, which was getting more swollen by the day. These were signs of impending birth. All I could do was pray that she would keep that baby in there a little longer till she got better.

Thursday Summer was looking alert, walking normally, eating a bit of hay, drinking water, and she finally had pooped. She still had no interest in her grain. I decided to sit with her in the stall and played some of my favorite songs for her from my phone. She apparently liked it, and so did the baby—I noticed a lot of movement from the calf. That evening, my husband and I gave her the rest of the subcutaneous fluids, and Summer continued to eat hay and even had a bit of grain. My spirits were lifting.



Lantana Poisoning in a Miniature Zebu Cow (continued)

I made time to walk my pasture and paddock again—to my surprise, there were more sprouts of lantana! I could have sworn I got it all on my last walk. I had not even had a chance to check my other two pastures or paddocks.



Saturday morning (almost two weeks after this ordeal began), Summer was up and walking around and seemed almost normal. I was finally able to let her out into the adjoining 18'x15' paddock which is shaded by oak trees. Dr. Roberts suggested I keep her out of direct sun for at least a month. I felt grateful that I had a barn and area to keep her sun-free. Summer was now eating a bit of grain, as well as her hay; and the vet had advised that I could cut her Probios down to once per day.

The next few days, Summer was holding her own and actually was looking good. Tuesday evening I noticed her vulva was really swollen and her udder had grown considerably. I thought to myself, "Get ready—this baby is coming soon!"

Wednesday morning I noticed tissue hanging from her vulva and called the vet. Dr. Roberts said not to be alarmed and that it could be a little while before she had her calf. Last year, Summer had her first calf very easily and quickly, but this time was different. When I checked Summer at 8:00 a.m., she was laying on her side, like she was in labor, but she got up when she saw me. She wasn't pushing, so I was not alarmed. I checked her again at 9:00 a.m., and she was for sure in labor because I found the spot where her water had broken. She was lying down and pushing, but nothing was happening. I waited a little while but realized something must be wrong. I've helped many mini horses give birth before, so I knew what to expect—cows are similar. In normal births, the two front feet come out first, followed by the nose. By 9:30 a.m., I saw a nose but no legs. I knew I had to get the legs out first, so I pushed the nose back in, quickly felt inside and found the legs which were tucked under and back, got them straight and pulled them out...and then I waited again, feeling confident that the rest of the calf would just come right out. Nothing was happening. I felt inside again and found that the calf's head was upside down and twisted all around. Not good. I placed another call to Dr. Roberts, who was an hour and half away, but she was heading my way. I tried for all that time to get the head into the right position to no avail. When Dr. Roberts arrived, she assessed the situation, gave Summer some pain meds and also tried to free up the head for about an hour. It would not budge. By this time, the calf was dead. The decision was made to do a fetotomy to get the calf out. After cutting off the calf's head, the rest of the calf came out. Summer was exhausted but alive. As often happens with dystocias or abortions, the placenta did not come out, so Dr. Roberts administered Oxytocin and left some with me, as well as Banamine for pain, so I could give it to Summer over the next two days.

After having tied the small bit of placenta hanging out with a wet towel to give it some weight, the placenta finally came out the next morning. I checked it to be sure it was all there with no missing pieces. Dr. Roberts came back to check on Summer Friday. Although Summer was thin, she was alive and she was eating, drinking and pooping. Dr. Roberts was going to flush Summer's uterus, but her cervix had already closed too much. Dr. Roberts told me to check for fever or discharge, but she felt that Summer would be OK. While examining Summer, she found that Summer had a hematoma in her vulva, due to all the trauma of trying to get the calf out. Dr. Roberts advised that I should still keep Summer out of the direct sun and continue giving Probios if she was not eating enough.

Lantana Poisoning in a Miniature Zebu Cow (continued)



Tissue hanging from her vulva.

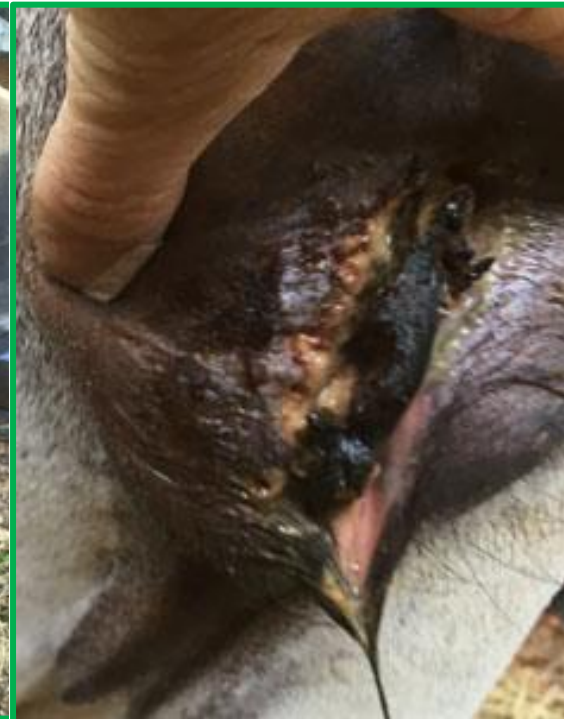


The wet towel tied to placenta for weight.

Summer was not out of the woods yet, poor girl. A scab formed on the outside of Summer's vulva due to the hematoma rupturing. Dr. Roberts advised that I should clean the area and then apply Vaseline to keep it moist and to keep an eye on it. After another week, the scab finally came off, which revealed pus underneath. What a mess! After calling Dr. Roberts, she advised to keep cleaning with a mild soap and water (no peroxide!) until the pus was gone. It took about a week and a half, but Summer was finally clear and her vulva has healed.



Scab formed on vulva from hematoma.



Underneath the scab from the hematoma.

Summer is still very thin, but I was finally able to turn her out with her pasture mates five weeks after her ordeal started. She is still not interested much in grain, but she is eating lots of grass and hay, and all other bodily functions seem to be

Lantana Poisoning in a Miniature Zebu Cow (continued)

normal except for occasional confusion. I was so hoping her calf would survive, but then I wonder if it would have had any neurological damage due to Summer having the lantana poisoning. We will never know.

I continue to walk my pastures looking for lantana. I found a whole bunch of it growing in my back pasture—it is growing through the fence from my neighbor's property. Needless to say, I won't be putting my cattle in that pasture for a good long time, if ever, until it is completely eradicated. Now that I know what to look for, I will be vigilant about keeping poisonous plants out of my pastures. Most cattle or livestock will not eat lantana due to its taste, but some animals actually acquire a taste for it and seek it out—obviously, those animals don't survive. I wonder why only Summer was affected since my other two cows were with her in the same pastures/paddocks.



Summer finally back with her pasture mates.



A thin Summer on June 7, 2016.

More About Lantana

All lantana should be treated as poisonous to livestock, such as, cattle, horses, sheep, goats, guinea pigs and rabbits. Most lantana poisoning occurs when stock unfamiliar with the plant are introduced to areas where lantana is found. Younger animals are more at risk. Most stock will avoid it unless forced to eat it through lack of adequate food. A toxic dose is about one percent or more of an animal's body weight, depending on the toxin content of the lantana eaten. Significant lantana toxins are the triterpene acids, lantadene A (rehmannic acid), lantadene B, and their reduced forms.

Identifying lantana is fairly easy. Lantana is a heavily-branched, scrambling, thicket-forming shrub, that can grow up to 10 feet in height. When it sprouts in the spring, it is very small and can be missed in your pasture walk-through. It often forms dense thickets if left to multiply. Flesh of the plant produces a strong, aromatic odor when crushed (or mowed). It is characterized by square-shaped stems with short, curved and hooked prickles. The leaves are opposite and cured on a short stalk and are about 1/3 of an inch long (small plants)--the larger the plant, the larger the leaves. They are egg-shaped to spearhead-shaped with toothed edges, rough and bright green on the upper surface and hairy and pale green below. The flowers form in dense clusters and vary in color from red-yellow, orange-pink and white. Some think that the red-colored variety is the most toxic. Flowering and fruit production can occur almost year-round in suitable areas where there is adequate soil moisture, high air humidity and high temperatures. The fruit is a succulent, one-seeded berry about 6-8 mm in diameter. These develop in clusters and consist of aggregate, fleshy segments that are green at first and then turn a shiny, dark purple-black when ripe. Lantana thrives under warm, high rainfall climates, preferring moist soil; but it can survive prolonged dry periods, as well. I found no lantana in the dense grassy areas of my

Lantana Poisoning in a Miniature Zebu Cow (continued)



pastures—it was mostly in partial shade in sandy soil. Lantana will readily invade pastures, particularly when they are poorly managed. If left uncontrolled, it will spread. Fruit-eating birds are the main cause of lantana spread, but movement of water, contaminated soil and machinery, deliberate planting and poorly-disposed garden waste can help lantana spread. Birds and some mammals eat the fruit, and the seed in their droppings is viable. Studies have shown that germination of lantana seed is more likely if the seed has travelled through the gut of a bird or mammal. Lantana can also spread vegetatively, having a shallow root system forming a dense root mat that grows mainly within the top 10-30 cm of soil. The plant does not sucker from damaged or broken roots but will regrow vigorously from the base of stems. Horizontal stems can take root when they contact moist soil. Lantana is an extremely hardy and persistent weed, and follow-up control is always needed to prevent re-infestation by regrowth or new seedlings. Removing lantana can be a waste of time unless follow-up management is carried out. Overstocking and overgrazing of pastures will lead to pasture degradation and allow the invasion of weedy species.

Symptoms of lantana poisoning depend on the amount and type of lantana consumed and the intensity of sunlight to which animals are exposed. Poisoned animals may show these symptoms after one feed or, in acute cases, within 24 hours:

- Excessive skin sensitivity to sunlight (photosensitization)
- Liver damage
- Yellow discoloration (jaundice) of the whites of eyes and gums, and skin of the nose and mouth
- Reddening and inflammation of unpigmented (white) skin
- Muzzle may become inflamed, moist, ulcerated and very painful (pink nose) and slough (fall) off
- Swelling of ears and eyelids if unpigmented
- Reddening and discharge from eyes (conjunctivitis)
- Ulceration of the tip and under surface of the tongue (if unpigmented)
- Blow fly and bacterial invasion of raw, exposed flesh in chronic cases; affected skin may slough off leaving raw, ulcerated surfaces.

Lantana Poisoning in a Miniature Zebu Cow (continued)

The affected animal may also:

- Avoid sunlight
- Stop eating
- Appear sluggish, weak and depressed
- Urinate frequently
- Become constipated (most commonly) or have diarrhea with strong-smelling black fluid feces in severely affected animals
- Become dehydrated

Treatment of lantana poisoning includes:

- Move the affected animal to the shade if no shelter is available. If a shelter is available, it is advisable to move the animal inside and block all sunlight. I used large pieces of cardboard to cover those areas where the sun would seep in (where I did not have closeable doors or windows). I also stuffed hay in the cracks between my windows and doors to prevent any sunlight from filtering in.
- Contact your vet quickly!
- Intravenous or subcutaneous fluids may be necessary to keep your animal hydrated
- Encourage the animal to eat.
- Administer probiotics to keep the rumen active.
- Treat skin damage with antibiotics and sunscreens.
- Drenching with a slurry of activated charcoal in electrolyte replacement solution. Activated charcoal is an effective but expensive poisoning antidote. A second dose may be required 24 hours after the first if the animal has not improved.

Unless treated quickly, severely affected cattle almost always die within 10 days of eating the plant. Even if an animal's lesions begin to heal and its liver function seems to return to normal, the animal may still die up to six weeks after being poisoned. In severe cases, death may occur in two to four days, but it is more common for affected animals to take one to six weeks to die if untreated.

The outlook for recovery is good, provided animals are treated quickly and they have not ingested too much of the plant. Delay in treatment reduces the effectiveness of treatment because kidney function may be seriously damaged.

Post-mortem symptoms upon necropsy are as follows:

- Yellow discoloration of tissues (jaundice)
- Hard, dry, mucous-covered fecal masses in large intestine
- Dry, undigested plant material in the rumen
- Swollen and discolored (yellow to orange) liver
- Swollen gall bladder
- Swollen and pale kidneys that turn green when exposed to air and cutting
- Ulcerated cheeks, muzzle, nostrils, tongue and gums (in severe cases in cattle)

Prevention of lantana poisoning is always the best option! To prevent your animals from being poisoned by lantana:

- Treat all lantana as potentially poisonous.
- Keep your property lantana-free by walking your pastures regularly and pulling it up by the roots (which is the most effective way to get rid of it). You may use herbicides, but the plants may come back
- Ensure your animals have adequate feed so they do not have to seek out poisonous plants
- Do not put new or young stock in areas where lantana is present

2016 IMZA Annual Meeting Report

By Judy Rohner, IMZA President

The 25th annual meeting of the international Miniature Zebu Association was held April 6, 2016, at the Round House in Macon, Missouri. The evening began with a social time at 5:30 p.m. followed by dinner at 6:00 p.m. The delicious Barbeque, buffet-style dinner was catered and served by Sonny from Noland's Catering of Macon, Missouri. A specially-decorated cake bearing the IMZA logo (below) was added to the dessert menu to celebrate the 25th anniversary of IMZA.



The 25th annual meeting was called to order at 7:00 p.m. by President, Judy Rohner. There were 30 people in attendance representing 10 states. The president opened the meeting by giving the annual address. The minutes of the 2015 meeting were read by Steve DeMoor in the absence of Secretary, Rick Bogle. Next, Treasurer, Dennis Beranek, submitted a financial report. Then the Registrar's report from Kathy Petersen and the Newsletter/Website reports from Barbara McDermott were read by the President. Standing Committee reports were given by Dean Schocker (Hardship Committee) and Kenny Cornwell (Show committee).

The results of the 2016 Board of Directors election were announced. Rick Ressler and Dean Schocker were each re-elected to serve another three-year term.

Under New Business, Kenny Cornwell announced that he was holding the first ever miniature Zebu show in Oklahoma. This annual event will be held at Craig County Fairgrounds on April 30th, 2016.

The announcement of a new show club was made by President Rohner. National Zebu Cattle Club is an organization designed to work under the breed registry to promote zebu cattle as a whole through shows and events. It is a member-controlled club. Showing is open to all registered cattle with focus on youth handlers. Following an active and informative discussion on the two New Business topics, the meeting was adjourned at approximately 8:00 p.m. leaving plenty of time for socializing afterwards.

Add your Link to IMZA's "LINKS" page on www.imza.name

Don't forget that the IMZA's website has a "LINKS" page where your farm name, location and website link can be listed? It is FREE! This "LINKS" page is different than the member directory listing. The "LINKS" page has an actual LIVE link to your website!!! Just email webmaster@imza.name and give us your information! Your farm will be added on the next website update.

Remember also that when you become a member of the IMZA, you can advertise your IMZA-registered miniature zebus for sale on our **FREE SALE BARN** on the IMZA's website at www.imza.name. This is a very active part of the website—people report they are selling their miniature zebus quickly through the Sale Barn. **It's FREE to IMZA members.**

Find Zebus like these on the IMZA's FREE Sale Barn on at www.imza.name



Tips for selling on the IMZA Sale Barn:

- Be sure your animal is **IMZA-registered** and that you are a **member** of IMZA
- Fill out the simple form on the Sale Barn page with all information about your animal
- Don't forget to **email the picture** to go with your listing to webmaster@imza.name
- Please **be sure your picture is no larger than 100kb** (about 400 pixels by 400 pixels). If you need to re-size your picture, you can find a free picture-resizing tool at www.picsize.com. It is very simple to use, and it allows you to crop your photos, as well.
- When you have sold your animal, please let your webmaster@imza.name know—and **please let her know on which page your animal is**, or give the date of birth and sex of the animal so it can be found easier on the website.

Steps to Herd-Health Planning

We all want to have healthy cattle. Developing a written document that summarizes your cattle health program is essential for improving efficiency on any cow/calf operation, including evaluating herd health and goals for the entire year, which can result in considerable cost savings and efficiency. Here are some tips:

- Work with your local veterinarian. The time to summon a vet is not when you have an emergency! Even before you acquire cattle, you should establish a relationship with your vet and describe your cattle operation and goals with him/her.
- Determine the optimal time of year and length of calving/breeding season in your area. This depends on your operation's goals, where you live, and management resources. Circumstances are always changing, so the season should be periodically re-evaluated.

- Research diseases and parasites significant in your area. Local veterinarians are knowledgeable about regional issues and can help offer the right solutions for your operation. This will help determine the ideal time to administer preventive measures for each disease/condition. Check with your vet to determine which vaccines are required and when they are needed.
 - Do your research—select reputable products that are backed by research results that prove their levels of effectiveness.
-

Calf Scours – Why Does My Calf Have Diarrhea?

It is easy to recognize when a calf has diarrhea, if and when you see it; but relying on noticing that your calf has diarrhea before taking action may put the calf's health and growth at risk. Healthy calves are hungry, active, and curious. Calves with scours are likely to be more lethargic, have loss of appetite, and may be isolated and not curious about their environment. The more exaggerated these behaviors seem, the more ill and/or dehydrated your calf may be. Recognizing these signs can alert you to potential problems and give you an opportunity for quick action. Recognizing symptoms beyond diarrhea is also useful, especially when you notice loose patties in your pasture/paddock but are unsure which calf is suffering from scours.

Dehydration is a serious consequence of scours and the most common cause of scours-related deaths. Doing the tent test, which checks the skin's elasticity by pulling up a fold of skin on the neck and quickly releasing it, may not always give you accurate results. On a well-hydrated calf with normal elasticity, the skin will immediately return. If the skin takes a few seconds to return to the original position, the calf is dehydrated. If a calf's nose and mouth appear dry or the eyes appear sunken, then it may be suffering from serious dehydration and should be treated right away.

Dehydrated and sick calves will also have abnormal body temperature. Normal temperature for a healthy calf is between 100-102 degrees F. A temperature out of this range is a sign that treatment is required.

Diarrhea in calves is a symptom of a number of conditions ranging from nutritional issues to parasites. A proper diagnosis means you are able to create the proper treatment plan. The best clues will be found in the calf's manure. If it is very liquid and white, chances are this will be a nutritional cause. Rota virus causes the scours to be brown and watery. Parasites are more likely to cause blood in the manure. A fecal test done by your vet is an inexpensive way to find out if your calf is suffering an parasitic overload that can be remedied by wormers purchased from your local Tractor Supply or provided by your vet. Sometimes rich grass is to blame, in which case the manure may be green and very loose. Removing your calf from pasture, offering lots of clean water and feeding quality hay can help. Always seek the help of your veterinarian when in doubt. Time is of the essence, as calves can become dehydrated quickly. The faster the calf recovers, the less concern there is about it being infectious to other calves in your herd.

Some causes of scours are contagious, so properly cleaning and sanitizing equipment used for care and feeding, such as, buckets, syringes, needles, feeding tubes, bottles, or any tools or equipment that comes in contact with a sick calf, can prevent spreading of infectious bacteria, viruses and parasites to other animals. Scrubbing with a strong detergent and warm water is sufficient for most cleaning purposes.



Loose stool from young calf shown on right.

TIME TO RENEW YOUR IMZA MEMBERSHIP!!!

If you haven't sent in your IMZA membership renewal, it's time! You can join on-line from our website at www.imza.name, or you can mail in your membership application. If your contact information has changed, please forward new information to Dennis Beranek at Beranek@derbyworks.net, or contact the IMZA at imzainfo@gmail.com or 407-717-0084.



One of our new members, Wendy Sears of Ravenwood Farm, sent us this adorable photo (above) of her two new additions. Wendy says, "Hi. My name is Wendy Sears, and I just bought a bull and a heifer last year from Rick Bogle of Bogle Farms (he's the greatest). I took this picture of the bull, "Spiced Chia," and the heifer, "Lonesome Dove," on April 24, 2016. It looks like the bashful little bull is getting hi first spring kiss." This photo is also our Featured Photo on the IMZA website (www.imza.name) for June 8, 2016. Thanks, Wendy, for joining the IMZA and sharing your photo with us!

IMZA Members

IMZA would like to thank all new and returning members for your continued support of the IMZA. Our current membership list is shown on the following pages, as well as a membership application for all those who would like to join!



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International Miniature Zebu Association

HOME OF THE OLDEST AND LARGEST REGISTRY OF MINIATURE ZEBU CATTLE

May 31, 2016

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IMZA Membership Application

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I hereby apply for membership in the **INTERNATIONAL MINIATURE ZEBU ASSOCIATION**. If accepted I agree to follow the rules, regulations and bylaws of the association.

A remittance of \$_____ is enclosed for Payment of membership fees payable in U.S. FUNDS).

- ☐ Active Membership (\$35 per year)
- ☐ Associate Membership (\$25 per year)
- ☐ Youth membership (\$15 per year)
- ☐ One-year sponsored membership gifted to non-member by active member (\$20 per year)

Date _____ Member No.: (If Renewing) _____

Name of Membership _____
(Individual, Firm, Corp., etc. Cattle are to be registered in this name)

Authorized Signature _____

Complete Address _____

Preferred Contact Phone: _____

Alternate Contact Phone: _____

Email address: _____

Website address: _____

Occupation _____

_____ Preferred Prefix to use when naming your Zebu (to avoid name duplication). (Can be abbreviated form of Ranch/Farm or Business name or can be initials.)

Number of Zebus Owned: _____ Females _____ Males

Please check the information you would like to appear on the IMZA's Website Member Lists:

_____ Name _____ Address _____ Phone _____ Email _____ Website address

PLEASE MAKE CHECKS PAYABLE TO: IMZA
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