



Goals and Objectives of the Minnesota Horse Council

- ♦ Promote and/or support equine educational activities
- ♦ Improve communication in all horse related activities with the general public
- ♦ Gather information of value to equine related activities
- ♦ Distribute gathered information as appropriate
- ♦ Provide expertise, consult and advise
- ♦ Establish, develop and enhance equine trails and other infrastructure and encourage their prudent use

2010 BOARD OF DIRECTORS OFFICERS

President

Mark Ward ♦ 651-436-6557
markward@mnhorsecouncil.org

1st Vice President

Darrell Mead ♦ 763-420-3697
darrellmead@mnhorsecouncil.org

2nd Vice President

Tracy Turner ♦ 651-351-7206
tracyturner@mnhorsecouncil.org

Secretary

Dawn Moore ♦ 952-949-6659
dawnmoore@mnhorsecouncil.org

Treasurer

Tim Bonham ♦ 612-721-1007
timbonham@mnhorsecouncil.org

DIRECTORS

- Carol Dobbelaire.....763-684-0709
- Glen Eaton.....952-922-8666
- Judy Jensen.....763-972-6397
- Trina Joyce.....612-729-7798
- Sue McDonough.....651-699-8117
- Marian Robinson.....763-588-0297
- Jan Schatzlein.....612-825-2459
- Missie Schwartz.....612-868-6041
- Tom Tweeten.....952-226-4190
- Christie Ward.....651-603-8702
- Lynn Wasson.....320-398-8085
- Jennifer Willey.....612-669-7564

Expo Board Presents \$225,000 Check to Minnesota Horse Council



Left to right: Del Bauernfeind, Jenny Buskey, Allison Eklund, Darrell Mead, Laura Lyseng, MHC President Mark Ward, Brenda Miller, Missie Schwartz, Expo President Glen Eaton, Linda Dahl, Angela McNally, Jan Schatzlein, Kathy Juhl

At the Minnesota Horse Expo Board Meeting on September 28, 2010, Expo President Glen Eaton presented a check for \$225,000 to Minnesota Horse Council President Mark Ward. This check represents the proceeds of the 2010 Minnesota Horse Expo. Most of this revenue is returned to the horse community by the Minnesota Horse Council in the form of educational scholarships, equine facilities development, grants, direct funding support, and individual recognition awards.

Don't miss the 2011 Minnesota Horse Expo which will be held April 29-30 & May 1, 2011, at the Minnesota State Fairgrounds, St. Paul, MN. A great lineup of clinicians will be offered again this year. A PRCA Rodeo will be held Friday and Saturday nights and Sunday afternoon.

For the latest information on the Minnesota Horse Expo, see www.mnhorseexpo.org.

For more information on the Minnesota Horse Council, see www.mnhorsecouncil.org.



**APRIL 29, 30
& MAY 1**

2011 MINNESOTA HORSE COUNCIL ANNUAL MEETING

Please mark your calendars for January 15, 2011 at the Northland Inn in Brooklyn Park.



WORLD EQUESTRIAN GAMES NEWS

AAEP Students Work to Ensure the Health of WEG Equine Athletes

A group of talented fourth-year veterinary students preparing for careers in equine sports medicine are assisting with the care of elite competition horses during the 2010 Alltech FEI World Equestrian Games™.



Thirty-three student members of the American Association of Equine Practitioners were selected by their veterinary schools to participate in externships during the Games, held Sept. 25-Oct. 10 at the Kentucky Horse Park in Lexington. These high-achieving students are gaining clinical experience in the equine hospital, monitoring biosecurity, responding to ambulatory emergencies and benefiting from the mentorship of the best sport horse veterinarians in the profession.

While rotating shifts at designated work stations throughout the Games, students are exposed to essential veterinary care for each of the eight competing equestrian disciplines. In addition, students are required to attend daily lectures to learn about the physical demands and rules for each discipline, common injuries associated with each sport, biosecurity and regulatory measures, and triage of athletic injuries.

One student from each of the AAEP's 36 student chapters was invited to participate in the academic externship. Students were nominated and selected by faculty advisors and AAEP-member mentors at their chapter. Selected participants were evaluated on academic performance, leadership at their veterinary school and a firm commitment to equine sports medicine.

A minimum of two weeks of voluntary service is required to participate in the externship. The program is supervised by Dr. A. Kent Allen, World Equestrian Games veterinary services coordinator, Dr. Julia Wilson, veterinary student team coordinator, and Dr. Tracy Turner, veterinary student team assistant coordinator. The externship will qualify as a complete clinical rotation towards earning a veterinary medical degree.

Students are describing the grandeur of the Games and their daily learning experiences through the AAEP's new blog, "WEG the Tale." From watching famous riders compete in the dressage ring to struggling to communicate about drug regulations across language barriers, the blog provides a glimpse into the veterinary student's busy schedule during the Games. To read the latest blog, visit www.aaep.org/blogs/wegthetale.html.

Historic Day for Para-Dressage at 2010 Games

Para-Dressage riders made history at the 2010 Games. As they rode their dressage tests, they became the first Para-Equestrian athletes to ever compete in a World Equestrian Games.

"It's brilliant just to be involved in such a big event," said Jo Pitt of the British team. "It's bigger than the Paralympics for us. Just to be beside the other able-bodied athletes is really exciting for us."

As athletes finished their tests and rode out of the arena, their faces reflected the pay-off of competing on the world stage. Some have undergone tremendous struggles to get here, not only with their own limitations, but also with their horses, who have to be just as fit and as trusting as any other horse at the Games.

"I hope other sports come see our sport," said Lauren Barwick of Canada. "There are a lot of misconceptions." The misconceptions Barwick listed included the talent of the riders, fitness of the horses and quality of competition, which she said all measure up to athletes in the other disciplines. "Once we get on the horse, a lot of time you don't know what our disability is," Barwick said.

From afar, you can hardly tell that many of these athletes are disabled. Similar to other athletes at the Games, the riders are their own worst critics, finishing their tests and discussing what went wrong and what they could improve.

"The fact that Para was included, it feels natural, because it should be included," said Kaye Marks, a spectator who is involved with the North American Riding for the Handicapped Association.

The sport has been gaining recognition since 1996, when it was included in the Paralympic Games. In 2006, Para-Dressage became an FEI regulated sport, meaning that the 2010 Games would mark its debut with the seven other disciplines competing in the World Equestrian Games.

"It feels a bit like the Paralympics," said Gert Bolmer from The Netherlands. "It is nice to be a part of the whole team. It is really good promotion for our sport."

Many spectators dotted the stands of the Covered Arena, and some came over just to watch these unique athletes.

"I am sure it has got to be a great accomplishment for them," said Cathy McCord a visitor from Cynthiana, Ky. "We just watched the jumping, which was awesome, but this is just a whole different feeling. It does give you chill bumps, doesn't it?"





WORLD EQUESTRIAN GAMES NEWS

Steffen Peters and Ravel Earn Second Bronze Medal at the 2010 Alltech FEI World Equestrian Games

Simply put, it was the greatest night of dressage action in the history of the sport on American soil. It came down to a dashing Dutchman, a young English woman and the superstar American rider - all who continually broke and set records in a week that saw the world turn its attention to the 2010 Alltech FEI World Equestrian Games in Lexington, KY.

For the Americans, it was a double-dose of new heights achieved in the sport. Steffen Peters and his incredible partner, Ravel, earned two hard-fought Bronze medals in a battle royale against two of the sport's biggest hitters at this World Championships - Edward Gal and his magical Moorlands Totilas and Laura Bechtolsheimer and Mistral Hojris. Gal absolutely shattered scores and pulled off the ultimate hat trick by taking Team Gold, Grand Prix Gold and the Gold medal in the Grand Prix Freestyle. His opponent from Great Britain took home three Silver medals in her own right. It was an incredible spectacle for dressage fans, and it won't likely be seen again for a very long time.

Eleven nations made the cut to compete in the Freestyle - Austria, Australia, Canada, Denmark, Germany (three riders), Great Britain (two riders), The Netherlands (two riders), Poland, Spain, Switzerland and the United States. But it was the Dutch, English and Americans who truly came away from these Games with all the glory.

Peters and Ravel, owned by Akiko Yamazaki and Four Winds Farm, led the U.S. effort with his usual style and grace. He had admitted earlier in the week just how much his near miss of the medal podium at the 2008 Olympics had affected him. Those hard knocks were seemingly healed with his Grand Prix Special medal. "I was simply beside myself," he said.

Now, that is all a distant memory. Redemption came in the form of two Bronze medals that became the first for an American dressage rider at the World Championships. Its impact on the sport in the U.S. will be felt for years to come.



Steffen Peters and Ravel
Photo by Shannon Brinkman for USEF

Land Rover U.S. Eventing Team Finishes Fourth in Eventing

Everything was on the line as 55 horse and rider combinations prepared to compete in the final phase of the Eventing World Championships presented by Reem Acra at the 2010 Alltech FEI World Equestrian Games. With just about 10 points separating the top three teams in the Team Competition, everyone knew they had to have the ride of their lives to try to bring home the gold medal.

Unfortunately for the Americans, Sunday morning didn't start as planned. The day started with the withdrawal of Courageous Comet by individual contender Becky Holder, at the final horse inspection. Holder, who was sitting in the individual bronze medal position overnight, presented her horse to the Ground Jury, but chose to withdraw after being held for re-inspection. Courageous Comet lost a shoe on the cross country course and was not quite right in the opposite leg as a result of over-compensating.

After cross-country, the Land Rover U.S. Eventing Team lay second - and all that lay between them and the medal podium was the show jumping phase.

It was not meant to be, as three riders added faults over Richard Jefferys' course in the Rolex stadium.

The highlight of the day for Team USA was the lovely double clear round jumped by Boyd Martin. In his first time representing the U.S. on a team, Martin had a brilliant ride aboard Windurra LLC's Neville Bardos to finish on their dressage score of 49.5, good enough for 10th place individually. Martin was thrilled with Neville's performance in his first international team competition.

"He jumped a great round," he said of the former Australian racehorse. "He was clear and under time, which is one of the reasons they put the horse on the team, and I just held up my end of the bargain."

Although the USA couldn't quite clinch a medal today, Martin says that everyone was working hard to bring one home for the host nation.



Boyd Martin and Neville Bardos Go Clear
for the U.S. Team.

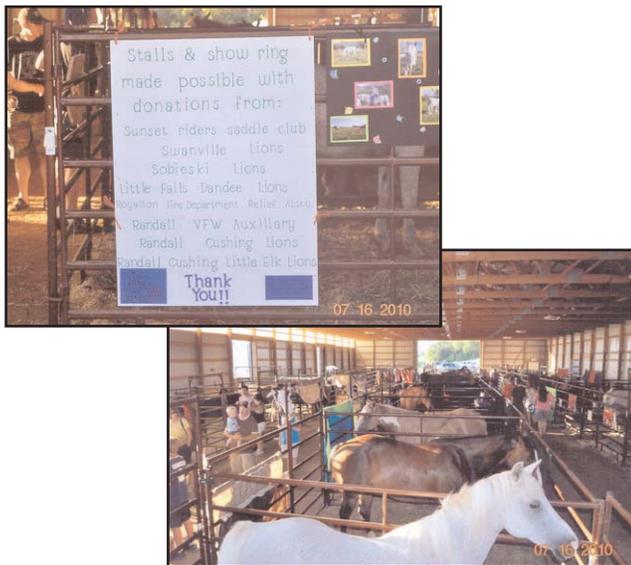
Photo by Shannon Brinkman for USEF

Thank You

from the
Morrison County 4-H Hoofbeats
Little Falls

Thank you for the grant award of \$4,500. With this grant and the matching funds we raised, we were able to purchase enough panels and gated panels so that all members of the Morrison County Hoofbeats could stall their horses at the 2010 Morrison County Fair. We had 38 stalls set up and they were all filled. Also all of the stalls had gates on them, making them safer for the youth to use. Thanks again for helping us improve our horse program. We are sending along some pictures of the horse barn during the show.

Patty Orth
Morrison County 4-H Hoofbeats



Benefits for Horse Industry in Small Business Stimulus Bill

The American Horse Council reports that President Obama signed the Small Business Jobs and Credit Act of 2010 into law on September 27, 2010. The bill is intended to help small businesses and create new jobs. The bill continues the bigger write-off for horses and other property purchased and placed in service by a horse business that was originally included in earlier stimulus bills.

The first incentive allows an owner who purchases a horse or other business property used in a horse business and places it in service in 2010 or 2011 to expense up to \$500,000 of the cost. This so-called "Section 179" expensing allowance applies to horses, farm equipment and most other depreciable property. Once total purchases of horses and other eligible property reach \$2 million, the expense allowance goes down one dollar for each dollar spent over \$2 million. Without the bill the expensing allowance would have been \$250,000 in 2010 and gone down to \$25,000 for later years.

"Let's assume a horse business purchases \$750,000 of depreciable property in 2010, including \$650,000 for horses, and places it all in service. That business can write off \$500,000 on its 2010 tax return and depreciate the balance," explained American Horse Council President Jay Hickey.

This provision will benefit any business involved in the horse industry that purchases and places depreciable property in service in 2010 or 2011.

The second incentive reinstates the 50% first-year bonus depreciation for horses and most other depreciable property purchased and placed in service during 2010. Bonus depreciation had expired at the end of 2009. This benefit applies to any property that has a depreciable life of 20 years or less. Also, the property must be new, meaning that the original use of the horse or other property must commence with the taxpayer. For a horse to be eligible, it cannot have been used for any purpose before it is purchased.

"The tax benefits in this bill are great for any horse business that has or is planning on making major purchases," said Hickey. "The expensing and bonus depreciation provisions can be used together in 2010. For example, let's assume an owner pays \$1,000,000 for a colt to be used for racing and \$100,000 for other depreciable property, bringing total purchases to \$1,100,000 in 2010. If the colt had never been raced or used for any other purpose before the purchase and is placed into service, the owner would be able to expense \$500,000, deduct another \$300,000 of bonus depreciation (50% of the \$600,000 remaining balance), and take regular depreciation on the \$300,000 balance."

"We hope the horse industry will take full advantage of these two tax benefits while they last," said Hickey.

SIX MHC BOARD POSITIONS OPEN NEXT ELECTION

There are going to be six board positions up for election, each for a 3-year term. The election will be held at the Minnesota Horse Council Annual Meeting, January 15, 2011 at the Northland Inn in Brooklyn Park.

The following Directors are running for reelection:

- ◆ Dawn Moore
- ◆ Tim Bonham
- ◆ Darrell Mead
- ◆ Christie Ward
- ◆ Tracy Turner

Shivers, Stringhalt, and Australian Stringhalt

Reprinted from Kentucky Equine Research

What are these conditions?

Shivers, stringhalt, and Australian stringhalt are names for three similar types of abnormal hind limb movement in the horse. The signs, causes, progression, treatments, prognosis, and most commonly affected breeds are somewhat different for each condition.

Shivers

In classic cases of shivers, the horse exhibits trembling of one or both hind legs, elevation and trembling of the tail, and sometimes quivering in the ears and eyelids.

Stumbling, lack of energy, reluctance to back, and stomping of the hind limbs may be early indications of a growing problem, but these signs are often overlooked or attributed to other causes. Shivers occurs most frequently in draft horses and warmbloods, although the condition has been seen in other breeds as well. There is considerable evidence of heritability. One researcher reports a higher incidence in stallions and geldings than in mares.

Signs are especially noticeable when the horse is moved after a period of rest, is backed, or is asked to turn sharply. When the hind leg is lifted it is often held in a flexed position for several seconds and then swung out to the side before the hoof returns to the ground. Stress or excitement may contribute to the frequency with which the problem appears, and the abnormal movement and shaking tend to become more exaggerated with time. The signs are seen when the horse is walking, although not every stride is affected. While mildly affected horses may be able to continue working, horses with more severe cases are unable to perform due to quivering, weakness, and muscle wasting. Horses with severe shivers present a trimming and shoeing problem because they are unable to elevate either hind leg normally or to hold a leg up for farrier care.

Efforts to find the cause of shivers concentrated initially on nerve disorders, but recent studies have tied many cases to equine polysaccharide storage myopathy (EPSM or PSSM). Horses with this condition can have abnormal glycogen accumulations in their muscles, and diagnosis depends on a muscle biopsy to identify this defect. When traditional high-starch (grain) diets are replaced with a highfat feeding regimen, up to 80% of these horses show a good response within a few months. The recommended diet provides about 20 to 25% of the caloric intake in the form of fat. Vegetable oil, powdered animal fat, rice bran products, and specially formulated low-starch/highfat feeds such as Re-Leve can be used. The fat source may be mixed with alfalfa pellets as a carrier or to increase palatability. Management may include supplementation with selenium and vitamin E; daily turnout and light exercise rather than stalling; and continued access to hay and/or grass.

Although there seems to be a correlation, researchers are not yet ready to say that shivers and EPSM are the same condition. Horses diagnosed with EPSM may show a variety of signs that may or may not include shivers. It is theorized that EPSM may be manifested in various ways by different horses, possibly because the same muscle groups are not affected as severely in

some animals as in others. Horses with signs of shivers should be examined by a veterinarian who can recommend diet and exercise programs and rule out other neuromuscular conditions.

Stringhalt

Like shivers, stringhalt refers to a defect in hind leg movement. The condition may affect horses of any breed and may be seen in one or both hind legs. A horse with stringhalt flexes the affected leg so violently that, in extreme cases, the pastern actually contacts the belly. The hoof is then slapped down, hitting the ground with greater than usual force. The abnormal motion can be seen when the horse is walking or trotting. Stringhalt results from a problem with the nerve signals that cause muscle cells to contract.

Instead of a smooth progression of motion, all the cells contract quickly, causing very rapid flexion. Stringhalt sometimes develops after injury or as a manifestation of equine protozoal myeloencephalitis (EPM) or equine motor neuron disease, but more often the exact cause of nerve deterioration is unknown. The condition may be mild, visible only as a slight "hitch" in the stride, but often progresses until the horse is severely handicapped. As with shivers, stringhalt can make farrier care difficult or impossible for affected horses.

Unlike shivers, stringhalt can often be corrected or improved surgically. The procedure involves cutting and removing a small section of the lateral digital extensor tendon that runs over the hock.



Because of the way the hind limb is structured, this seemingly drastic measure eliminates violent hock contractions while allowing the leg to move in a normal manner. Almost all horses

move better after this surgery although the degree of improvement is quite varied, probably being somewhat influenced by the underlying cause of the defect.

Australian Stringhalt

The dramatic hind leg flexing is the same, but the cause of the nerve damage in Australian stringhalt is different from the classic condition. Horses grazing drought-stressed pastures in Australia and New Zealand may consume one of several plants including flatweed (cat's ear), fireweed, mustard weed (skeleton weed), and dandelion. Nerve damage and muscle wasting have been linked to ingestion of a mycotoxin in these weeds, which may constitute a large percentage of pasture herbage after grasses have wilted in dry months. Australian stringhalt may affect any breed, although draft horses and Thoroughbreds account for the largest number of cases.

In addition to nerves in the hind leg, long nerves elsewhere in the body, especially those controlling the larynx, are commonly affected by the toxins. Some degree of laryngeal paralysis is common in horses with Australian stringhalt, resulting in horses that "roar." Phenytoin, dilantin, baclofen, and vitamins B and E have been used to reduce signs of the condition, and results have varied. Horses removed from contaminated pastures usually recover, although progress may be slow, taking up to 18 months before normal motion is restored.

Equine Diseases: Alphabet Soup Simplified

Reprinted from Kentucky Equine Research

Equine diseases, conditions, or problems are frequently referred to by their initials. Full names, a brief explanation of each condition, and management tips, if applicable, are given below.

CEM - Contagious equine metritis. Inflammation of the female reproductive tract. Highly contagious. Mare shows discharge after breeding, fails to conceive. No signs in stallion.

COPD - Chronic obstructive pulmonary disease (heaves). An allergic reaction to dust and mold spores in hay and bedding. Affected horses are exercise-intolerant. Control by wetting hay before feeding and removing horse from barn as much as possible.

DOD - Developmental orthopedic disease. Any one of several conditions characterized by abnormal maturation of cartilage or bone. Some DOD can be prevented by proper nutrition of broodmares and encouraging steady moderate growth rates in young horses.

EEE - Eastern equine encephalomyelitis. Viral disease that causes neurological symptoms in horses and humans. May be fatal. Spread by mosquitoes, not by contact with an infected animal.

EGUS - Equine gastric ulcer syndrome. Common in stall-kept horses such as those in training. Horses go off feed, may not want to work. Antacid preparations specifically designed for horses can alleviate signs. Turning horses out on pasture is the most natural cure.

EHV - Equine herpesvirus. Different types cause a range of signs including respiratory disease, neurologic deficits, and fetal loss.

EIA - Equine infectious anemia (swamp fever). Spread by horseflies, mosquitoes, and other biting insects. Affected horses may show fever, weight loss, swelling of tissue on the midline of the belly, anemia, and sometimes death. Diagnosed by a Coggins test that detects antibodies in the horse's blood. No cure.

EIPH - Exercise-induced pulmonary hemorrhage. In affected horses, strenuous exercise causes breakage of small blood vessels in the lungs. Some "bleeders" show a trickle of fresh blood from one or both nostrils after exercise. Precise cause has not been determined. Treatment with Salix/Lasix is often helpful.

EMND - Equine motor neuron disease. Symmetrical paralysis, muscle atrophy, and weight loss are early signs of this fatal disease that is linked to high copper and low vitamin E concentrations in the spinal cord. Similar to Lou Gehrig's disease in humans.

EPM - Equine protozoal myeloencephalitis. Signs are stumbling, incoordination, asymmetrical muscle wasting. Caused by *Sarcocystis neurona* protozoa in spinal fluid.

EPSM - Equine polysaccharide storage myopathy. A form of tying-up seen in draft horse and some other breeds. Primary signs are severe stiffness and muscle cramping.

EVA - Equine viral arteritis. Contagious disease that causes fever, swelling of the face and legs, and abortion.

HYPP - Hyperkalemic periodic paralysis. Genetic disease of stock-type horses. Affected horses may show loss of coordination, muscle spasms, collapse, or death. Limiting intake of potassium helps some horses lead more normal lives.

LWS - Lethal white syndrome. Genetic disease of overo-patterned Paint horses. A foal inheriting the defect from both parents will die within a few hours of birth. A DNA test can indicate whether breeding horses carry the mutation.

MRLS - Mare reproductive loss syndrome. Term for conditions that caused abortions and neonatal foal deaths in Kentucky and Ohio in 2001 and 2002. Cause is still under investigation but seems to have some association with eastern tent caterpillars.

OCD - Osteochondritis dissecans. A type of developmental orthopedic disease in which cartilage does not mature properly, causing various degrees of lameness in young horses.

PHF - Potomac horse fever. Bacterial disease causing fever, diarrhea, colic, founder, abortion, and sometimes death.

PSSM - Polysaccharide storage myopathy. A form of tying-up. Primary signs are severe stiffness, muscle cramping, and reluctance to move.

RER - Recurrent equine rhabdomyolysis. A form of tying-up. Primary signs are severe stiffness, muscle cramping, and reluctance to move.

SCID - Severe combined immunodeficiency disease. Genetic disease of Arabian horses. A foal receiving the defective gene from both parents dies within a few months of birth from massive respiratory infection.

SDF - Synchronous diaphragmatic flutter (thumps). Condition is sometimes seen in endurance horses that are severely dehydrated. Electrolyte imbalance makes the diaphragm contract each time the heart beats. Treated by administration of electrolytes and fluids.

VEE - Venezuelan equine encephalomyelitis. Viral disease that causes neurological symptoms in horses and humans. May be fatal. Spread by mosquitoes, not by contact with an infected animal.

WEE - Western equine encephalomyelitis. Viral disease that causes neurological symptoms in horses and humans. May be fatal. Spread by mosquitoes, not by contact with an infected animal.

WLD - White line disease. Fungal and/or bacterial infection of the inner layers of the hoof wall. Damage to hoof layers and tissues can lead to lameness.

WNV - West Nile virus. Introduced to the U.S. in the last decade, this virus causes weakness, stumbling, and other neurologic signs in horses, humans, and other animals. Infection is through bite of infected mosquitoes.

Reprinted with permission of copyright holder Kentucky Equine Research, an equine nutrition, research, and consultation company

serving the horse owner and the feed industry. Visit www.ker.com for more articles and information.



Commercial Vehicle Regulations

By: MN State Patrol

Reprinted from U of M Newsletter, Vo. 6, Issue 10, October 2010



Commercial vehicle operation as it applies to horse owners and trailering horses. The following is a "check list" to see if your horse operation meets the requirements for a commercial vehicle.

1. Do you declare prize money as income from a business for tax purposes?
2. Are the costs for the underlying activities deducted as a business expense for tax purposes?
3. Do you accept products and/or money for advertising a sponsor?
4. Is the transport vehicle being used in the furtherance of a commercial operation?

If you answered "YES" to either question 1, 2, 3 or 4, continue to question 5. If you answered "NO" to ALL questions (1-4), STOP HERE, you are not in the furtherance of a commercial operation.

5. Is the "gross vehicle weight" of the single vehicle or combination (truck and trailer) greater than 10,000 lbs?

Gross Vehicle Weight (GVW) is the greater of the manufacturer's gross weight rating (GVWR) or the actual weight of the vehicle plus the load. If the transport vehicle consists of a truck and trailer, add the GVWR or actual weight of truck to the GVWR or actual weight of the trailer to obtain the gross vehicle weight of the combination. DO NOT use the registered weight on the vehicle license plate(s) to determine your GVW or GVWR.

If NO, STOP HERE. You are not subject to the commercial vehicle regulations. If YES, You must follow the appropriate regulations for the location(s) you travel (i.e. interstate or intrastate).

Interstate requirements. If you travel into another state you are an "interstate" carrier.

Severe Combined Immunodeficiency (SCID)

By Nichol Schultz, DVM and Molly McCue, DVM, PhD, U of M

SCID is a fatal immunodeficiency of Arabian foals that results in foals succumbing to infection once maternally immunity acquired from colostrums fades at around 4-7 months of age. The genetic defect was identified in 1997 and confirmed that SCID was a recessive trait (two copies of the mutation are necessary to produce disease). Affected foals lack the ability to generate some of the white blood cells (lymphocytes) involved in the immune system.

A genetic test is available at VetGen (<http://www.vetgen.com>), in Ann Arbor Michigan. Approximately 8% of Arabians are heterozygous for the mutation and with random matings (breedings), about 1 in 526 foals would be expected to have SCID. The Arabian Horse Registry recommends that all breeding stock be tested and interbreeding of carriers avoided.

- If the vehicle/combination's GVW is greater than 10,000 lbs:
- CMV driver must be at least 21 and possess a valid USDOT physical card
 - Equipment requirements apply
 - Hours of Service requirements apply
 - You must have a USDOT number and display it on the power unit (i.e. truck) in addition to the carrier name.
 - Transport vehicle(s) must carry proof of an annual inspection
 - Record keeping requirements apply
 - Accident recording requirements apply

If the vehicle/combination's GVW is greater than 26,000 lbs:

- You must follow the above items
- CMV drivers must possess the proper class Commercial Driver's License
- Drug and Alcohol Testing requirements apply

Intrastate requirements. If you operate only in Minnesota.

If the vehicle/combination's GVW is greater than 10,000 lbs:

- CMV driver must be at least 18 and possess a valid USDOT physical card/form
- Hours of Service requirements apply
- Carrier must have a USDOT number if the power unit has a GVW / GVWR greater than 10,000 pounds. The USDOT number must be displayed on power unit in addition to the carrier name.
- Record keeping requirements apply
- Accident recording requirements apply

If the vehicle/combination's GVW is greater than 26,000 lbs:

- You must follow the above items, and
- CMV drivers must possess an appropriate Commercial Driver's License
- Drug and Alcohol requirements apply.
- Transport vehicle(s) must show proof of an Annual Inspection performed by a Minnesota Certified Inspector

For more information, visit

www.dps.state.mn.us/patrol/comveh/pdf/racing_handout.pdf

Junctional Epidermolysis Bullosa (JEB)

By Nichol Schultz, DVM & Molly McCue, DVM, PhD, U of M

JEB is a fatal disorder that has been documented in Belgian foals, related breeds and more recently, American Saddlebreds. A recessive mutation (two copies of the mutation are necessary to produce disease) results in a dysfunctional structural protein that serves to anchor skin cells within the dermis. There is no known treatment. Foals are usually euthanized after diagnosis, due to the pain associated with the disease. Those that are not euthanized usually die of infection within 2 weeks. Skin lesions appear as irregular ulcerated areas over bony prominences that become more extensive with age. Ulceration of the coronary band is usually present and may proceed to sloughing of the hooves (see photo).



JEB--continued on page 10

MINNESOTA HORSE COUNCIL BOARD MINUTES - September 14, 2010

Meeting Location: Nutrena Conference Room - Leatherdale Center, U of MN St Paul

Board Members Present: Darrell Mead, Missie Schwartz, Mark Ward, Jan Schatzlein, Tim Bonham, Dawn Moore, Glen Eaton, Lynn Wasson, Trina Joyce, Christie Ward, Marian Robinson, Tom Tweeten, Carol Dobbelaire, Tracy Turner, Sue McDonough

Absent: Judy Jensen

Members/Visitors: Allison Eklund, Jean Fredlund, Jennifer Willey, Tim Wampfler, Rick Dobbelaire, Kelly Vallandingham, David Fleischhaker

I. Meeting called to order: 6:35 p.m. by Mark Ward

II. Introduction of Board Members/Visitors

Mark Ward introduced the aforementioned guests and had the directors of the MHC introduce themselves to guests.

III. Call for Additions/Changes to Agenda: No changes

IV. Treasurer's Report for August/September was distributed by Tim Bonham. Total assets: \$677,893.77 with total liabilities of \$266,458.91 Darrell Mead motioned to accept the July treasurer's report as presented. Tom Tweeten seconded, motion passed.

V. Approval of Minutes: Jan Schatzlein moved to accept the July minutes Lynn Wasson seconded, motion passed.

VI. Secretary's Report: Dawn Moore - no report.

VII. OLD BUSINESS

A. U of MN project to improve facilities: Kelly Vallandingham. Jan Schatzlein motioned to approve the \$10,000 request made by the U of MN with a ballot vote. Carol Dobbelaire seconded. Discussion followed. Voting by ballot revealed 10 yes votes and 4 no votes. Motion passed. Note: Christie Ward recused herself from the voting.

B. MN DOT Rules for Horse Transportation: Sgt. Travis Schapp distributed a pamphlet regarding the current regulations on commercial hauling. The basic rule of thumb is if you gain anything tangible from the use of your vehicle you are classified as commercial. Sgt. Schapp discussed commercial requirements in the state of MN; license requirements, vehicle weight, health card, USDOT number, certified inspections, log books, and break away brakes.

VIII. COMMITTEE REPORTS

A. EXPO: Glen Eaton reported the following: The books on the 2010 Minnesota Horse Expo are now closed. The 2010 Minnesota Horse Expo was a great success and as President I want to say thank you to all of the Expo Board and Staff for the dedicated and hard work to make it a success. Also I want to thank all of the Volunteers, the Staff of the Minnesota State Fair, the Vendors and Horse stall renters. It was such a great success that on September 28th at the September Expo meeting the Directors and Staff will give the Minnesota Horse Council a check in the amount of \$225,000.00. This is up \$25,000.00 from last year.

The contracts for vendor space and stalls for the 2011 Minnesota Horse Expo were mailed on September 3 and some have already been returned and a small bank deposit was made on the 13th so we are operating on 2011 funds. The fiscal year for the Expo is September 1 to August 31. The Cattle Barn is completely changed with the stalls out but with wider aisles on the north and south sides. We don't gain much area with the stalls gone. The Expo was a large part of the Aisle Breeds. We met a lot of people and handed out much Expo material. Speakers are about to be signed so 2011 Expo is moving along. According to State Fair officials, construction of the Judging Arena will begin following the 2011 State

Fair and be done for the 2012 Minnesota Horse Expo.

B. Direct Funding: Christie Ward reported: Proposals to be considered today:

1. National Versatility Ranch Horse Assoc. - Northern Lights Affiliate
Jan Rooney-Nordvall, Clinic Organizer

This organization is requesting \$500 to subsidize costs associated with a free youth clinic held August 24, 2010. Funds awarded will be used to pay expenses for the two clinicians, Jay and Gina Henson, as well as costs associated with facility and cattle use. Fifteen girls from all around the state participated in this event, which focused on riding, roping, cutting, and sorting skills.

2. Traverse County 4-H Horse Project

Melissa Persing, 4-H Program Director

This organization is requesting \$500 to support a series of 7 equine horsemanship and showmanship clinics to be held between June and August 2010 at the Traverse County Fairgrounds in Wheaton, MN. Clinics addressed activities such as showmanship; drill team fundamentals; horsemanship; roping and goat tying; games; pleasure; and grooming and hoof care. Funds will be used to help cover instructor and mileage fees. Participation in each of the clinics was priced at \$5 - \$10.

3. Natural Connections Learning Center (formerly MN LINC)

Tanya Welsch, Education Director

This animal-assisted therapy organization is requesting \$312 to support the purchase of a Saddle-Lite modified treeless saddle approved by NARHA. Participants interact with horses through both groundwork and mounted exercises, most of which involve the use of minimal tack to allow participants to better feel the horse's body movements, breathing, and warmth.

Proposals approved at the July 2010 meeting:

1. North Central Morgan Association, Pat Hartell, Carriage Coordinator
This organization is was awarded \$500 to support a carriage driving clinic held July 4, 2010 at the Minnesota State Fairgrounds in association with the North Star Morgan Americana. Funds awarded will be used to pay expenses for the driving instructor and carriage expert, John Greenall from Windsor, Vermont.

Direct Funding proposals approved for 2010 to date:

Victory Riders, Inc: \$500

Minnesota Mounted Shooters Association: \$500

Whips and Wheels Carriage & Driving Society: \$500

Polk County 4-H Council: \$500

North Central Morgan Association: \$500

Total Direct Funding approved for 2010: \$2500 to date

C. Communications: Missie Schwartz requested the directors submit any articles of interest for the readership. She reminded all directors that the deadline for newsletter submissions is this Friday. Dawn Moore requested the official MHC email addresses for the directors be added to the newsletter.

D. Trail Blazers: Darrell Mead reported the annual Horse Council Director's Ride is October 15-17 at Crow Hassen Park Reserve Blue Stem Camping Area. See newsletter for details. Come for the whole or part of the weekend. RSVP: darrellmead@comcast.net or 952-356-2078. Maintenance is continuing in numerous parks and forests. It is a real challenge keeping trails open. Erosion has been a big issue this year with the excessive rainfall. New products are being tested in the St. Croix State Forest. We are contracting the MN Conservation Corp to assist with the trail work in the St. Croix State Forest. Hole in the Mountain Horse Camp is adding 4 new electrical pedestals. This will include 450 feet of trenching and wiring plus an additional 850 feet of trenching and wiring to the judge's stand. Also being installed is 200 amp service to facilitate

MHC September Minutes--continued on page 9

MHC September Minutes--continued from page 8

the changes. This is a \$10,300.00 project but because bidding for the contract was done through the Horse Council, the final bill was \$5300.00. Togo Horse Camp will be starting some new projects this month. More to come on that. Darrell Mead also reminded directors that some board terms will be expiring.

E. Budget: Mark Ward requested that all budget requests from committee chairs be sent to him within the week. Mark Ward and Tim Bonham adjusted budgets for the Administration and the Annual Meeting to meet actual costs from 2009. Mark Ward reviewed access to the MHC storage area on the official MHC website. Tim Bonham will send a detailed review of all committee expenses for 2009 to the respective committee chairs.

F. Aisle of Breeds: Glen Eaton reported: The Aisle of Breeds was a great success for the Council and Expo. Hundreds of people came up to see and pet the horses as well as register for free tickets to the Expo. A lot of Council and Expo material was handed out. The Aisle of Breeds is a great idea for the Council and the Expo. I want to thank all the people that helped put up and take down the display as well as the people that attended the information table. Also I want to thank all the people that brought horses. The Expo was in the parade all days except Wednesday when there are no horses and Monday Labor Day. The Aisle of Breeds was a great success.

G. SHCAC: Glen Eaton reported: The only report I have for the SHCAC is the name change. The new name is Coalition of State Horse Councils. Darrell and will be going to the fall meeting in Lansing, MI.

VIII. NEW BUSINESS

A. Stolen Horse: Glen Eaton described a current situation that was present at Expo and the Aisle of breeds. There is a feud over the ownership of a horse that was present at both events. This case is currently being handled in the courts and Glen Eaton advised the MHC not to involve itself in the case.

B. Promotion Committee Chair Candidate: Mark Ward introduced Jennifer Willey who described her vision for the MHC marketing plan; including measurable, targeting and budgeted aspects of marketing. Targets would be increased membership, increased donations, and awareness of initiatives. Mediums include: e-blasts, trade shows, press releases, promo merchandise, website, print ads, flyers, event sponsorships, promo-trade and internet. Discussion followed. Tom Tweeten motioned to accept Jennifer Willey's application to the position of promotions chair. Dawn Moore seconded, motion passed. Tim Bonham motioned to appoint Jennifer Willey to the director position vacated by Teresa Hanson. Tom Tweeten seconded. Discussion followed. Motion passed. Note: Sue McDonough abstained from the voting. Additional note: Jennifer Willey's term to complete the remaining term vacated by Teresa Hanson, not a three year term.

C. HHH Stables ordinance issues helped by MHC sponsored tax bill. Mark Ward was contacted by the owner of HHH Stables who was directly impacted by the new tax law. Thanks was extended for the efforts of the MHC on this issue.

D. Prepare Fair September 29th at IDS Crystal Court: Marian Robinson described an upcoming event to prepare families for disasters. There is not enough room this year for the truck and trailer combination she wished to display, however, they are going to have enough room for this display in 2011.

Announcements:

· September 17 is the deadline for submissions for the next newsletter.

X. Mark Ward adjourned the meeting at 9:10PM.

NEXT MEETING: October 12, 2010, 6:30 p.m.
University of MN, Leatherdale Equine Center

Grass Pasture Weed Control

By: K. Martinson, PhD, U of M

Pasture weed control is a challenge for most horse owners. Considerable grass pasture acreage in the Midwest is infested with broadleaf and grassy weeds. Weeds are generally less palatable, less nutritious, less dependable and lower yielding than recommended species. The first step to good weed control is correct identification of the weed and an understanding of its lifecycle. There are three types of weeds: annuals, biennials and perennials. Annuals complete their life cycle in one growing season. Biennials complete their life cycle in two growing seasons. Perennials normally live for three or more years.

For annuals, mechanical weed control, such as mowing, is an effective method of control if done prior to flowering and seed production. Using an herbicide to control annual weeds is most effective when applied in the spring to actively growing, small weeds. For biennials, mowing is not an option in the first year of growth because the rosettes are too close to the ground. Mowing is an effective control method in the second year as long as the mowing is complete before seed production. Chemical control of biennials is most effective when applied during the first year's growth. If treatment is delayed until the second year, an early season application of an herbicide before the flowers bloom is recommended.

Management of perennial weeds requires integrating mechanical mowing), chemical (i.e. herbicides) and cultural (i.e. over-seeding) weed control methods. Mowing alone may take several growing seasons to effectively control perennial weeds and may never result in complete control. Herbicides alone, or a single herbicide application, likely will not eradicate perennial weeds. Fall herbicide applications (i.e. August 15 to September 15) provide the most effective perennial weed control. Application of herbicides in spring, or mowing during the summer, can be effective in controlling growth until fall. Apply herbicides selectively, carefully, and only if necessary. Always read and follow the herbicide label and comply with all grazing restrictions. Herbicides labeled for use in pastures are not harmful to horses when applied at the recommended usage rates and when all directions are carefully followed.

The key to management of any weed is to prevent its establishment with good pasture management. Recommended pasture management includes avoiding overgrazing, testing soil pH and fertility every three years, fertilizing if needed, and resting the pasture for 30 days after each grazing event. Mowing, dragging and chemical weed control (if needed) should be done during the rest period. A well managed pasture will out-compete most weed species and will reduce weed infestations. Once weeds are established, effective control requires a combination of mechanical, chemical, and cultural methods.

For a mixed pasture of legumes and grasses, no herbicides are available that will selectively control broadleaf weeds while not injuring or killing the legumes. Good pasture management should be used to control weeds in a mixed pasture.

For more information, visit

www.extension.umn.edu/horse/components/pdfs/horse_weed_pub.pdf

JEB--continued from page 7

The JEB mutation may have been present in the Belgian breed as early as the beginning of the 20th century. Testing of 8 farms revealed a 36% incidence of carriers among Belgians. Testing of all breeding stock and avoiding interbreeding of carriers is strongly recommended. A genetic test for JEB is available at the Veterinary Genetics Laboratory at the University of California, Davis (www.vgl.ucdavis.com) and the University of Kentucky-Gluck Equine Research Center (www.ca.uky.edu/gluck/index.htm).

UNIVERSITY OF MINNESOTA
EXTENSION

Fall Regional Horse Owner Programs

Saturday, November 6, 2010

Apollo High School ♦ St. Cloud, MN
Cost: \$20/person

Topics include: Research Updates, Nutrition Roundtable, Fly and Pest Control, Care of Elderly Horses, Winter Care, First Aid Away From Home, and Q and A with Presenters

Online registration available at:
<http://www.regonline.com/FallRegHorseStCl>

Registration deadline: November 4th, 2010
Program Sponsors: ADM Alliance Nutrition and Purina Mills

First Ever Live Morning Radio Show for the Horse World Debuting November 1, 2010

Horse Radio Network (HRN) will be presenting the first ever live morning show for the horse addicted--a light, lively, entertaining daily look at the horse world and the people in it.

The show will include entertaining conversation, out of the ordinary guests, numerous regular horse related segments, listener call in, contests, giveaways and so much more.

*****Where to Listen:** At www.horsesinthemorning.com or numerous affiliate websites across the Internet or on your iPhone or Droid. HORSES IN THE MORNING will be available immediately each day as a recorded podcast on the websites or through iTunes or Zune.

*****Regular Segments:** HRN has interviewed over 800 guests on the various shows in the last two years. They have identified some of the most interesting characters from all parts of the horse world and invited them to be part of HORSES IN THE MORNING.

*****Guests:** Of course, what would a morning show be without a lineup of the most relevant, timely and unique guests that the horse world has to offer, from the top names in the horse world to the average horse owner with that unique story.

*****Callers:** Every horse person has a story and now they will be able to share those stories with the world. This will be the first show on HRN that will take calls live.

2010 MEETING SCHEDULE

View www.mnhorsecouncil.org and www.minnesotahorsemensdirectory.org for additional events

Minnesota Horse Council Board Meetings

Leatherdale Equine Center ♦ 6:30 pm
1801 Dudley Ave ♦ St. Paul
Located on the U of M St. Paul Campus

February 9	June 8	October 12
March 9	July 13	November 9
April 13	August - No meeting	December 14
May 11	September 14	
January 15, 2011 - Annual Meeting - Northland Inn		

Minnesota Horse Expo Board Meetings

Byerly's Community Room ♦ 6:30 pm
3777 Park Center Drive ♦ St. Louis Park, MN

January 26	May 25	September 28
February 23	June 29	October 26
March 30	July 27	November 30
April 13	August - No meeting	December 28

For Horse's Sake

Editors: Linda Dahl and Missie Schwartz

Publisher: Dahl Graphics & Printing
888-403-2060 ♦ www.dahlgraphics.com

Missie Schwartz
612-868-6041 ♦ bmschwartz@msn.com

For Horse's Sake is the official newsletter of the Minnesota Horse Council (MHC). Statements appearing in *For Horse's Sake* are those of the authors and not necessarily those of the MHC. To reprint any material published in *For Horse's Sake*, please notify MHC of your intentions. Full credit needs to be given to the author. Articles of relevance to the equine industry are earnestly solicited. The Minnesota Horse Council is a non-profit member-supported volunteer organization representing all equine disciplines and breeds in Minnesota's equine livestock industry.

Please e-mail or send potential articles to:

Dahl Graphics & Printing
39257 Taray Road ♦ Pine River, MN 56474
E-Mail: fhs-mhc@dahlgraphics.com

2010 Article Submission Deadlines

January/February	1/22/10	July/August	6/11/10
March	2/12/10	September	8/13/10
April	3/12/10	October	9/17/10
May	4/16/10	November	10/15/10
June	5/14/10	December	11/12/10

MINNESOTA HORSEMEN'S DIRECTORY

The Minnesota Horsemen's Directory is a free resource provided by the Minnesota Horse Council to help you find horse-related information and services in and near Minnesota.

- ♦ Find a farrier, trail riding stable, boarding, lessons, tack stores, and much more! Use the Events Calendar to find shows, clinics and other horse-related activities. Use the new Jobs category to find a job or skilled job seeker.
- ♦ Find what you're looking for by choosing a category, or search the directory. Once you are in a category, browse the results alphabetically or by a sub-category or region.
- ♦ Help make this site comprehensive and accurate. Submit a free listing of your Minnesota horse-related business or organization. Once listed, you can edit your listing as often as you wish.
- ♦ Whether you are looking to hire or looking for an equine-related job in or near Minnesota, submit a Help Wanted or Seeking a Job ad here.

www.minnesotahorsemensdirectory.com



MEMBERSHIP APPLICATION

www.mnhorsecouncil.org

- Individual - \$15
- Family - \$20
- Organization - \$25
- Corporation - \$25
- Certified Stable: First Year - \$35
- Certified Stable: Renewal - \$25

Name _____

Farm/Business Name _____

Address _____

City/State/Zip _____

Phone _____

Alt. Phone _____

E-mail _____

Website _____

Brief description of your stable/business/involvement with horses:

Would you like to volunteer with MHC? If so, please list any interest you have: _____

I'd like to receive the MN Horse Council newsletter, "For Horse's Sake" by:

- E-mail (saves on postage and paper)
- United States Postal Service

Please complete this form and send with your check to:

Minnesota Horse Council
 PO Box 223 ♦ Plato, MN 55370



Minnesota Horse Council

PO Box 223 ♦ Plato, MN 55370
 763-755-7729
mn.horsecouncil@comcast.net
www.MnHorseCouncil.org

COMMITTEE CHAIRS

Aisle of Breeds

Glen Eaton ♦ 952-922-8666 ♦ gleneaton@minnesotahorsecouncil.org

Annual Meeting

Dawn Moore ♦ 952-949-6659 ♦ dawnmoore@mnhorsecouncil.org

Budget

Mark Ward ♦ 651-436-6557 ♦ markward@mnhorsecouncil.org

Certified Stables

Sue McDonough ♦ 651-699-8117 ♦ suemcdonough@mnhorsecouncil.org

Communications

Missie Schwartz ♦ 612-868-6041 ♦ missieschwartz@mnhorsecouncil.org

Direct Funding

Christie Ward ♦ 651-603-8702 ♦ christieward@mnhorsecouncil.org

Disaster Response

Marian Robinson ♦ 763-588-0297 ♦ marianrobinson@mnhorsecouncil.org

Expo

Glen Eaton ♦ 952-922-8666 ♦ gleneaton@mnhorsecouncil.org

Expo Budget Review

Darrell Mead ♦ 763-420-3697 ♦ darrellmead@mnhorsecouncil.org

Grants

Tim Bonham ♦ 612-721-1007 ♦ timbonham@mnhorsecouncil.org

Horseperson of the Year

Dawn Moore ♦ 952-949-6659 ♦ dawnmoore@mnhorsecouncil.org

Inventory/Storage

Glen Eaton ♦ 952-922-8666 ♦ gleneaton@mnhorsecouncil.org

Legislative

Tracy Turner ♦ 651-351-7206 ♦ tracyturner@mnhorsecouncil.org

Minnesota Horsemen's Directory

Mark Ward ♦ 651-436-6557 ♦ markward@mnhorsecouncil.org

Nominations

Darrell Mead ♦ 763-420-3697 ♦ darrellmead@mnhorsecouncil.org

Pioneer Award

Dawn Moore ♦ 952-949-6659 ♦ dawnmoore@mnhorsecouncil.org

Promotions

Jennifer Willey ♦ 612-669-7564 ♦ jenniferwilley@mnhorsecouncil.org

Scholarships

Trina Joyce ♦ 612-729-7798 ♦ trinajoyce@mnhorsecouncil.org

State Horse Council

Glen Eaton ♦ 952-922-8666 ♦ gleneaton@mnhorsecouncil.org

Temporary Emergency Equine First Aid (TEEFA)

Carol Dobbelaire ♦ 763-684-0709 ♦ caroldobbelaire@mnhorsecouncil.org

Trail Blazers

Darrell Mead ♦ 763-420-3697 ♦ darrellmead@mnhorsecouncil.org

Unwanted Horse

Tracy Turner ♦ 651-351-7206 ♦ tracyturner@mnhorsecouncil.org

Website

Mark Ward ♦ 651-436-6557 ♦ markward@mnhorsecouncil.org

Administrative Assistant

Andrea Dubay ♦ 763-755-7729 ♦ mn.horsecouncil@comcast.net

In This Issue

Expo Board Presents \$225,000 Check to Minnesota Horse Council.....	1
AAEP Students Work to Ensure the Health of WEG Equine Athletes.....	2
Historic Day for Para-Dressage at 2010 Games.....	2
Steffen Peters and Ravel Earn Second Bronze Medal at the 2010 Alltech FEI WEG.....	3
Land Rover U.S. Eventing Team Finishes Fourth in Eventing.....	3
Thank You from the Morrison County 4-H Hoofbeats.....	4
Six MHC Board Positions Open Next Election.....	4
Benefits for Horse Industry in Small Business Stimulus Bill.....	4
Shivers, Stringhalt, and Australian Stringhalt.....	5
Equine Diseases: Alphabet Soup Simplified.....	6
Commercial Vehicle Regulations.....	7
Severe Combined Immunodeficiency (SCID).....	7
Junctional Epidermolysis Bullosa (JEB).....	7
MHC Board Meeting Minutes.....	8
Grass Pasture Weed Control.....	9
U of M Extension Programs.....	10
First Ever Live Morning Radio Show for the Horse World Debuting Nov. 1, 2010.....	10
2010 Meeting Schedule.....	10
Minnesota Horsemen's Directory.....	11
MHC Membership Application.....	11
MHC Committee Chairs.....	11



Minnesota Horse Council

PO Box 223
Plato, MN 55370

Return Service Requested