

NEW ZEALAND HANOVERIAN SOCIETY

OFFICIAL NEWSLETTER



CARING FOR
YOUR PREGNANT
MARE **Page 4**

TOUR REPORT
Page 5

STALLIONS
Page 17

DO WE STILL NEED
THOROUGHBRED BLOOD? **Page 14**

THE HANOVERIAN SYSTEM FOR EVALUATION OF
STUDBOOK MARES **Page 12**

VOLUME 32 ISSUE #1
MARCH 2021



Cover Photo: Falcon O and Candice Nichol bred by Anne Stewart



Welcome to another newsletter - the first for 2021.

It has been a wonderful Summer and the cycle of life and the seasons continue on - Lock down or not.

I am sure everyone is looking forward to their next season of foals and hopefully those who ride Hanoverians can attend some competitions over the Autumn/Winter months.

I am definitely looking forward to not having any further wrist surgeries and making the most of our wonderful country and my wonderful Hanoverian!

The committee would also like to extend our Congratulations to Laurie Hemphill - one of our Committee members who keeps our Facebook page current - on the safe arrival of her lovely daughter.

I would also like to thank our committee and their dedication to attend meetings and working behind the scenes so we can keep breeding, expanding our knowledge, obtaining excellent classifiers from around the world and enjoying our beautiful horses.

Kindest regards

Kim Morrison



NEW ZEALAND HANOVERIAN AND RHEINLAND BREEDING STANDS ITS GROUND....

...and in fact, it has gathered momentum over the past 2 years.

Last week during the Information meeting via Zoom, The Hanoverian Verband reported a sizeable drop in member numbers and of foals being registered during the past year.

It is very encouraging to report that here in NZ, our member numbers have increased slightly (17 so far) because of our Verband visitor tour in 2020 and in spite of Covid, our trips around NZ this summer have resulted in further new members coming on board as they choose to register their foal/s with NZHS.

Foal numbers have increased by a huge 42% over 2019 and that is on top of a 20% increase over 2018. Rheinland has given us a good opportunity for growth since we began with it in 2014 – with a mere 17 foals. His year we saw a full 30% increase over that – and along with the foals a good number of

new breeders who join. It is a long time (away back to 2005 and 2007 when Anamour was in his prime and covered a lot of mares) since we had quite large numbers of foals.

Mare numbers have increased this year again – 24 new mares already and we have not finished touring yet (remembering that some mares are retired each year also). Currently – and prior to checking for the Verband returns there are 154 Active mares plus 12 more processing. This is a 30% increase over the numbers I returned to the Verband in 2020.

Keep up the incredibly good work everyone so that we can keep on impressing on the World Breeding stage with your wonderful efforts.

Robin Potter, Studbook Keeper.

MEETING SUMMARY



Apart from the Studbook report, which is included separately, the following items which were discussed at the last Hanoverian Committee meeting (February 2021) should be of interest to members.

Stallion Licensing – proposal for current stallions facing COVID-19 related hardship in achieving Performance Standards.

Dressage Stallions

5-year-old stallions – to achieve 75% or more THREE times in Age Group classes and/or in ESNZ Novice or Elementary level (walk to canter and counter canter). A combination of the two would be acceptable.

6-year-old stallions – to achieve 75% or more THREE times in Age Group Classes and/or ESNZ Medium level (lateral work and single flying changes)

Age is as from August 1st to July 31st in any given year.

The competitions should be preferably at Premier League Shows but can also be at regional shows if there are TWO Judges from DNZ Level A or Level B ranking.

Jumping Stallions

Either Placements 1 -5 in Age Group classes or Open ESNZ Jumping Classes

5-year-old stallions – placements 1 -5 in 1.10 – 1.20 ESNZ age group or open classes

6-year-old stallions – placements 1 -5 in 1.20 – 1.30 ESNZ age group or open classes

After this the stallion must achieve the standards as per the rules already in place in classes as per Rule 9. 1. f.

(f) Older stallions that have not yet taken part in a Performance Test but have met the requirements of clause 9.1 b can also be considered for Licensing

provided that the following conditions have been met.

a) The horse is 7 years old or older.

b) The horse has achieved five placings (1st to 3rd) in one or more of the following;
- Dressage FEI Level (Prix St Georges, Intermediate I or II, Grand Prix) achieving 68% or more with at least two FEI level Judges, one of whom is not from New Zealand. The score will be the average of the two FEI Judges.

- Show jumping – Grand Prix level (1.40m and up)

- Three Day Eventing – Two Star level or above.

The proposal is that should these standards not be achieved, the breeders of said stallion's progeny should not be disadvantaged – and that White paper Pedigree Certificates can be provided in the interim. These can be upgraded to Pink Papers as and when the Stallion achieves the performance standards.

General Business

A webinar about the European breeding stallions and the effects on performance and breed improvements, in 2 parts as provided to the breeders in Australia and the USA, will be presented by Dr Ludwig Christmann.

The dates for live streaming are Friday 16th and Friday 23rd April beginning at 7.00 pm.

This will be circulated to members (free to join) and to non-members (who will pay a fee) via Facebook.

Promotional material is to be circulated on our Hanoverian website and on Face Book – eg. World Breeding News and Hanoverian Verband news

Reminder re foal registrations - for those who have yet to send in their information

Please use the online forms via the NZ Hanoverian Website - where you can pay by Paypal or online banking. Each foal costs \$500 and the DNA parent verification fee is \$100 - so please tick both these boxes on the form. The link is as follows:

<https://nzhanoverian.com/forms/foal-registration/>

CARE OF YOUR PREGNANT MARE



Babiche A. Heil, DVM(Hons) MSc Dipl ACT MANZCVS
American Registered Specialist in Equine Reproduction
Tracey Kerr, BSc MANZCVS
Matamata Veterinary Services, Matamata



This time of the year most breeders have their mares pregnant and back at home. She's had her final pregnancy scan and now you have to be patient and wait until your precious foal arrives next spring. We cannot control everything that happens during gestation but we can give both mare and foal their best start with appropriate management.

As with any horse the pregnant mare needs regular farriery, optimal nutrition, deworming, exercise, and vaccination.

Farrier

The metabolic and physical demands of pregnancy mean that hoof health is more important than ever. Foot care requirements differ between individual horses and so, a plan tailored to meet your mare's individual needs should be devised by your farrier, and vet if necessary.

Good food

What is good food? Maintenance of a healthy body condition score is essential during gestation. The under- or overfed mare is likely to encounter metabolic problems during late gestation, at foaling or in the post-foaling period. Horses eat approximately 10% of their body weight in kilogram dry matter (DM) every day. Hay is around 90% DM, silage 25-30% DM and fresh winter grass 17% DM. Up to month 8 of gestation the energy and protein requirements of the pregnant mare remains the same. A normal balanced diet, containing all essential minerals and vitamins alongside protein and energy is sufficient. During the last trimester (months 8-11) a gradual 25% increase in energy and a 75% increase in protein is necessary. The mare's requirements for Vitamin A and E, Copper, Iron, Calcium and Phosphorus also increase significantly during late pregnancy. An easy way to ensure this increase is met is to add a complete commercial broodmare feed to her diet.

Deworming

Unfortunately, there is no "one-plan-fits-all" deworming plan for horses. Please contact your regular veterinarian to make a farm-specific deworming plan. We advise to deworm your mare in the 2 – 4 weeks prior to foaling to avoid transmission of *Strongylus westerii* larvae from the mare to the foal via the milk. Do weigh your mare when deworming her during

gestation, you'll be surprised how heavy she becomes. Most mares need more than 1 regular tube of worming paste.

Exercise

For most New Zealand mares exercise is not an area of concern. Regular turnout into a paddock with good footing will keep your mare fit throughout gestation. If you are still competing your pregnant mare it is important to adjust her intensity of work according to her stage of gestation and fitness levels.

Vaccination

Not only is vaccination important for your mares' health, it is also vital for the health of the newborn foal.

A vaccine effective against equine herpes virus 1 & 4 (Pneumabort K) should be administered in month 5, 7 and 9 of pregnancy. Equine herpes virus circulates in the equine population and can cause devastating abortion storms on farms. It is prudent to keep pregnant mares separate from weanlings and yearlings since they are at highest risk for transmitting equine herpes virus.

If your mare has had a primary vaccination course for Strangles and Tetanus a booster one month prior to her expected foaling date will ensure she has high levels of antibodies to transfer to the foal. If she has not received a primary course vaccination should begin earlier so that the course is complete at least one month prior to foaling.

Salmonella can cause significant disease in foals and vaccination of your mare provides protection for both mare and foal. If your mare has not been vaccinated for Salmonella previously two vaccinations are needed 4 weeks apart, finishing at least 4 weeks prior to foaling.

The unique placenta of the mare means that the foal is born with what we call a "naïve immune system" with no antibodies against disease. The only way the foal can obtain these disease-fighting antibodies is via ingestion of colostrum, the mare's first milk. By optimising the mare's health and vaccination status, we can ensure that this colostrum contains all your foal will need to protect himself against disease.

More about colostrum and foal care in the next edition of this newsletter.

HANOVERIAN TOUR REPORT



North Auckland and East Coast Nth Island,
Waikato part 1, Wellington and Kapiti Coast

By Robin Potter

Whilst the Society has not had the chance to do a tour with a Verband visitor this year, we have gone ahead with classification of the new mares with some purpose and with definite rewards.

There have been 28 mares seen thus far and there have been some really good ones – and some really

good owners who have turned the mares out in great condition and they have gone to a lot of trouble with turnout too. This is always appreciated.

We have also seen a selection of lovely foals that are fairly correct and of modern type - and whilst not judging them this year we are engaging with the breeders to discuss the relative merits of them.

So far, we have the following interim scores:

2021 Mare Studbook Results					
Owner	Mare	Sire	Damsire		Score
Sam Peters	Elottie Imp.	Canturano	Voltaire	SJ	7
Sam Peters	Ultimate Blue NZPH	Mr Blue	Ekyien des Fontenis	SJ	7
Sam Peters	She Sells Sea Shells xx	Lucky Unicorn xx	Last Tycoon xx		7
Sophie De Clifford & Jane Goer	Riverpark Florentina	Fishermans Friend	Magic of Sydney xx		8
Belinda Sorensen	Rosetta KS	Royal Mirage W	Danasinga xx		7
Carol Eivers	Parkridge Windsong	Whisper IV	Anamour		7
Henrike & Stephen Puketapu	Glow Girl PSH	Grey Top	Prius xx		8
Henrike & Stephen Puketapu	HSP Raven Imp.	Roi du Soliel	Gribaldi T		8
Henrike & Stephen Puketapu	Abracadabra S	Anamour	Dynamit		7
Hammond Equestrian	Brave Bess xx	Nom de Jeu xx	Zeditave xx		8
Pinnacle Performance Horses	Lyla xx	Rip Van Winkle xx	Fastnet Rock xx		7
Melissa Nadin	Doubletake xx	Pentire xx	Cryptoclearance xx		7
Mel Auret	Pentina xx	Pentire xx	Kashani xx		7
Stonelea Farm	Felicianna	Furstenball Old.	Fabriano		8
Renee Waihi	Riverpark Poppy xx	Power xx	Rock of Gibraltar xx		7
Renee Waihi	Miss Blackjack xx	Rip Van Winkle xx	Volksraad xx		7
David Woolley	Nina DW	Negro	Anamour		8
Jackie Gilmore	Hellbound xx	Road to Rock xx	Justice Prevails xx		7
Jeanne Thomson	A Bit Flash xx	Falkirk xx	Justice Prevails xx		7
Pre Studbook					
Lisa Davidson	Luna Milagro	Eurosport Centavos	Contango II	SJ	8
LT Holst Elsie K	Kannan	Cascadello	Corrado I	SJ	8
Rhein					
Dr Debra Bromiley	Kismaayu Zuni	Zonik	Immenhof Castello		8
Sam Peters	Jane	Cassiano	Mighty Heights	SJ	8
Sam Peters	Victorious NZPH	Calvaro	I Love Jazz NZPH	SJ	7
Sascha Crossman	Chimaera QSH	Chacco Silver	Lansing	SJ	7
Ashleigh Webster	Finale Edition	Voltaire II	Loewenherz		7
Jo Mumby	Bluefields Riviera	Bluefields Berlin	Rotspoon		7
Jeanne Thomson	Vollrath Legacy	Lessing	Justice Prevails xx		7

It is really encouraging and somewhat of a relief that at last after many years of trying to engage with the jumping breeders, there is some progress. I hope that our presence at the Young Horse jumping championships show in Hastings has played some part in that. We made a show of Hannoveraner in December by handing out the sashes for the best eligible ones in the Age groups and the higher-level classes.

Further visits are planned for:

Christchurch and Dunedin - in March after Horse of the Year

Blenheim/Nelson - to be confirmed

Stallion licensing – Auckland and Hamilton April/May – to suit the owners best.

We will have a panel for each session. NZ based team of Angela and Robin plus the discipline expert (Marges Carline for the dressage bred one and John Cottle for the jumping bred ones) set in place.

The NZ team scores the various requirements and the scores, and comments are sent, along with video to the Verband team. Vet reports, X-rays and fees must be provided well ahead of time.

HANOVERIAN TOUR REPORT



HSP Raven (Rey du Sol/Gribaldi T.)



Brave Bess xx (Nom de Jeu xx/Zeditave xx)



Bluefields Riviera (Bluefields Berlin/Rotspon) Rhein Studbook Mare



Chimaera QSH (Chacco Silver/Lansing)

HANOVERIAN TOUR REPORT



HSP Total Joy (Total Hope/ Eurosport Centavos)



Nora (Negro KWPN/Fishermans Friend)



Fergus (Corofino II/Nom de Jeu xx)



Sundance (Secret DSP/Limonit)



Centaline (Eurosport Centavos/Anamour)

WBFSH 2020 - 21 RANKINGS

By Robin Potter

In Dressage the New Zealand Hanoverians have ranked extremely well in 14th place. Congratulations breeders, owners and riders! This is testament to your belief in the suitability of the breeding and the breeding programmes that you have remained focused on over the years of development and progress - beginning here with the support and direction of the Hanoverian Verband in 1978.

Don Amour MH (Don Frederico/Anamour) Wendi Williamson B. Matthews Hanoverians

Letty Lei EDH (Limonit/Mantari xx) Victoria Wall B. Wills Family

AphroditeE (Anamour/Jacinto xx) Ridden by Cooper Oborn Bred and owned by Belinda and Emily Stuchbery

Ardmore (Anamour/Dynamit) Lucarne Dolley B. Justine Hodson

Astute (Anamour/Western Symphony xx) Toni Louisson B. Jacqui Quinn and Joy Hickling

Show jumping bred horses ranked 51st

Graffiti MH (Graf Top/Earl) Ridden by Melody Matheson B. Matthews Hanoverians Owned by Matthews Hanoverians and Angela Miller

Henton Faberge (For Edition/Genius) Ridden by Emelia Forsyth Bred and owned by. Henton Lodge Hanoverians

Balmoral Henton (Contendro I/Escudo I) B. Henton Lodge Hanoverians

Eventing horses ranked 28th

Henton Ambassador (Anamour/Distefink) ridden by Matthew Grayling

Henton Armada (Anamour/Telereign xx) Christen Lane

Henton Audacious (Anamour/Distelfink) Abigail Long

Henton First Lady (For Ediiton/Distelfink) Bundy Philpott

- all bred by Henton Lodge Hanoverians

Equador MW (Escudo I/Genius) Sarah Young Bred and owned by Mary Wilson

Anonymous (Anamour/Classic Fame xx) Abby Lawrence B. Linda Hunt



Don Amour MH and Wendi Williamson

Photo Credit - Hannah Comrie, with many thanks



by Robin Potter

This has been our best foaling season ever – with over 100 foals on the list.

Some breeders have already processed their papers and these have been signed off by their vet. I have processed the branding mail merge letters after the mare trip with Angela and these are being slowly distributed to the breeders. Unfortunately I still need to use the old system – until I work on a solution with Janette Lewis in SAMMS. Australia does not send letters as we do for the vets to sign off the affidavit.

Renai has begun the brand distribution – as about 50% of members still wish to brand their foals. The remainder are using microchips and DNA.

Angela and I have made two mini tours – to Northern areas of Auckland and the big trip to the East coast and the Waikato. Tour 3 starts this week with Wellington/Kapiti Coast. Then we have trips to Christchurch and Dunedin plus a return visit to the Waikato to finish the process there and finally to

view a mare in Blenheim.

There are two definite stallion candidates – Auckland and Waikato and a third possibility in Christchurch. COVID-19 related restrictions have made it difficult for the current interim licensed stallions to achieve their performance standards. I have asked Ludwig for direction and he made suggestions as to how we manage this. The proposal was put to the February meeting and it was agreed that we send our proposal back to him for approval.

He has qualified the licensing status of some other stallions that have been used eg. Jardonay VDL for Rhein and Jameson RS2 for Hanoverian.

New stallions apart from the two mentioned above include Borsalino, Spartacus, Cavoiro H, Grand Galaxy Win, Desperados, Bon Courage, Furstenhoff, Sezauns Donnerhall, Glamourdale.

Several members requested more information on how many covers there were by NZ based stallions versus Frozen semen stallions. Below is the

Secret DSP (5)
Total Hope (4)
Glamourdale (3)
Fursten Look (3)
Dancier (3)
Totilas (2)
Damaschino (2)
Desperados (2)
Furst Toto (2)
Edward (2)

Cavoiro H (2)
Bon Courage (2)
Bordeaux (2)
Vitalis (2)
NZ based stallions:
Swarovski (4)
Bellario (9)
Eurosport Centavos (9)
Eurosport Diamant B (3)
Corofino II (2)



Filly by Eurosport Diamant B /Drums of Time xx



WAITEKAURI FARM & MATTHEWS HANOVERIANS

Written by Jon, Wendi and Becki Williamson

The story of a long relationship with Matthews Hanoverians is one of inspiration and also of hope and dreams - mostly fulfilled.

The Williamsons' partnership with MH horses and stud owners Judith and Peter Matthews began in early 2000's with the purchase of Deja Vu MH – born in 2005. Since then, a succession of visits over the following years to the Far North (where the stud is located in Awanui), has allowed the collection to grow as an additional twenty horses were purchased and are currently being trained up the dressage grades.

It is an impressive list:

Deja Vu MH qualified for the 2017 FEI World Cup Finals in Omaha, Nebraska. How can we forget how exciting it was for Wendi to gain that qualification – and then to follow her very long and expensive trip to Europe initially and the United States?

Don Amour MH was the horse that Wendi rode to gain NZ qualification for the 2020 Tokyo Olympics during 2019 – with some fabulous performances in Sydney and Melbourne. Don Amour also won the Pacific League ticket to the 2020 World Cup Final in Las Vegas, which was cancelled due to the Coronavirus outbreak.

Both horses have also won the National and Horse of the Year Grand Prix titles.

Following on closely behind is the very impressive --8-year-old bright chestnut gelding Don Vito MH (Don Frederico/Anamour) and elegant liver-chestnut gelding Bon Jovi MH (Bonifatius/Weltmeyer) who is 9 years-old. Both horses are training at FEI Level, and are also both holders of various National and Horse of the Year titles as they have progressed up the grades.

The older horses in the stable include Presley MH (Prestige VDL/Brentano II) – recently sold to Julianne Flyger, Popstar MH (Prestige VDL/Weltmeyer) who is owned by Stephanie Hudson and has been trained up the levels and competed over the last three seasons by Stephanie Baker, Status Quo MH (Sir Donnerhall/Contucci) is owned and ridden by Stephanie Baker, and jumping bred Schnapps MH (Stolzenberg/Grosvenor xx) who was recently sold by daughter Becki to a local young eventer.

The next generation of stars are about to make headlines this season – the top colt in 2015 as judged by Dr Ludwig Christmann – Danseur MH (Dancier/Anamour/Genius), Domani MH – out of Hann.Pr.A. Saphira (the imported Soliman de Hus/Wesley mare), and Ducatti MH (Dancier/Anamour) who has already had a few

outings this season and is a full older sibling to Danseur.

Then there is the younger generation:

Three-year-olds:

-Burberry MH (Buckingham/Soliman du Hus) – imported in utero and owned by Stephanie Baker

-Tiffany MH (Totilas KWPN/Anamour)

-Disney MH (Dancier/His Highness) – owned by Becki Williamson

Two-year-olds:

-Delight MH (Dancier/His Highness)

-Don Fabrice MH (Don Frederico/Gymnastik Star)

-Furst Klasse MH (Furstenball/Totilas)

Yearlings:

-Tia Maria MH (Totilas/ Soliman du Hus)

-Ferrari MH (Furst Nymphenberg/Brentano II)

Foals:

-Daytona MH (Dancier/Ballerina MH by Bonifatius)

-Saffron MH (Secret/Waimarie MH by Worldly/Londonderry)

All in all, it is a very exciting line up of horses from the NZ-owned MH stud that the Williamsons are bringing on, and we will be eagerly watching the up-and-coming generation as they make their debuts in the competition ring during the 2021-2022 season.



De ja Vu MH (De Niro/Anamour)

THE HANOVERIAN SYSTEM FOR EVALUATION OF STUDBOOK MARES - BY ANNE STEWART AND ROBIN POTTER



How do you breed a better performance horse?

The biggest challenge a breeder faces is to find horses that will produce the best offspring for competition.

How do you select a horse for breeding?

In order to increase your chances of producing high performance foals, you need to evaluate your mare as precisely as possible. The Hanoverian

Assessment is an important tool in evaluating your mare and foal. The assessment aims to give you information on important attributes influencing performance and rideability.

It should be noted that not all traits are highly heritable. Table 1 gives some indication which characteristics are strongly heritable (Viklund and Stock, 2019).

Table 1. Heritability of traits

Heritability Level	Examples of traits	Amount of data needed	Approach and methodology / tools
high	basic morphology aspects like size (withers height) with $h^2 \approx 0.45-0.55$	+	easy e.g. phenotypes
moderate	conformation traits, some performance traits like certain gait characteristics with $h^2 \approx 0.20-0.35$	++	advanced e.g. breeding values
low	many performance traits, behaviour, health traits with $h^2 \approx 0.10$ or less	+++	sophisticated e.g. (genomic) breeding values

Dr Ludwig Christmann also believes that many phenotypic or external characteristics scored at Mare Inspections are heritable. Christmann recommends using the most heritable characteristics as a basis for breeding.

The Evaluation

Mare inspections evaluate nine characteristics. At the evaluation your mare is given scores for these showing her strengths and weaknesses. The Hanoverian Breeding System suggests that the mare is paired with a stallion that strengthens weak traits to create stronger progeny.

The classification score sheet – evaluates the following traits which total to quality of conformation:

- Head – noble and refined with an expressive eye.
- Neck – well set on at the head and into the withers and chest.
- Saddle position – is the shoulder a good angle allowing the saddle to be in the middle of the frame?
- Frame – is it balanced, in equal proportions and a with harmonious topline?
- Forelegs – correct shape with strong joints and correct angles of hoof and pasterns.
- Hindlegs – clean strong hock joints, straight

line from point of buttock to hock and heel with the hoof and pastern angles as above.

An overall mark is achieved by averaging marks for:

1. Breed and sex type (does she show the type expected for her breed?)
2. Quality of conformation (calculated from the above scores)
3. Correctness of gaits (do the limbs move correctly and straight as viewed from the front and the rear in a straight line?)
4. Elasticity and impulsion (does it show energy, ground cover, cadence and use of the whole body?)
5. Walk (is it loose through the body, demonstrate the “V” at each stride and over tracking well past the foot falls?)
6. Overall impression and development (a final mark based on all the above and is she the size and quality for a mare to be entered into the Studbook?)

Now I have the scores what do I do?

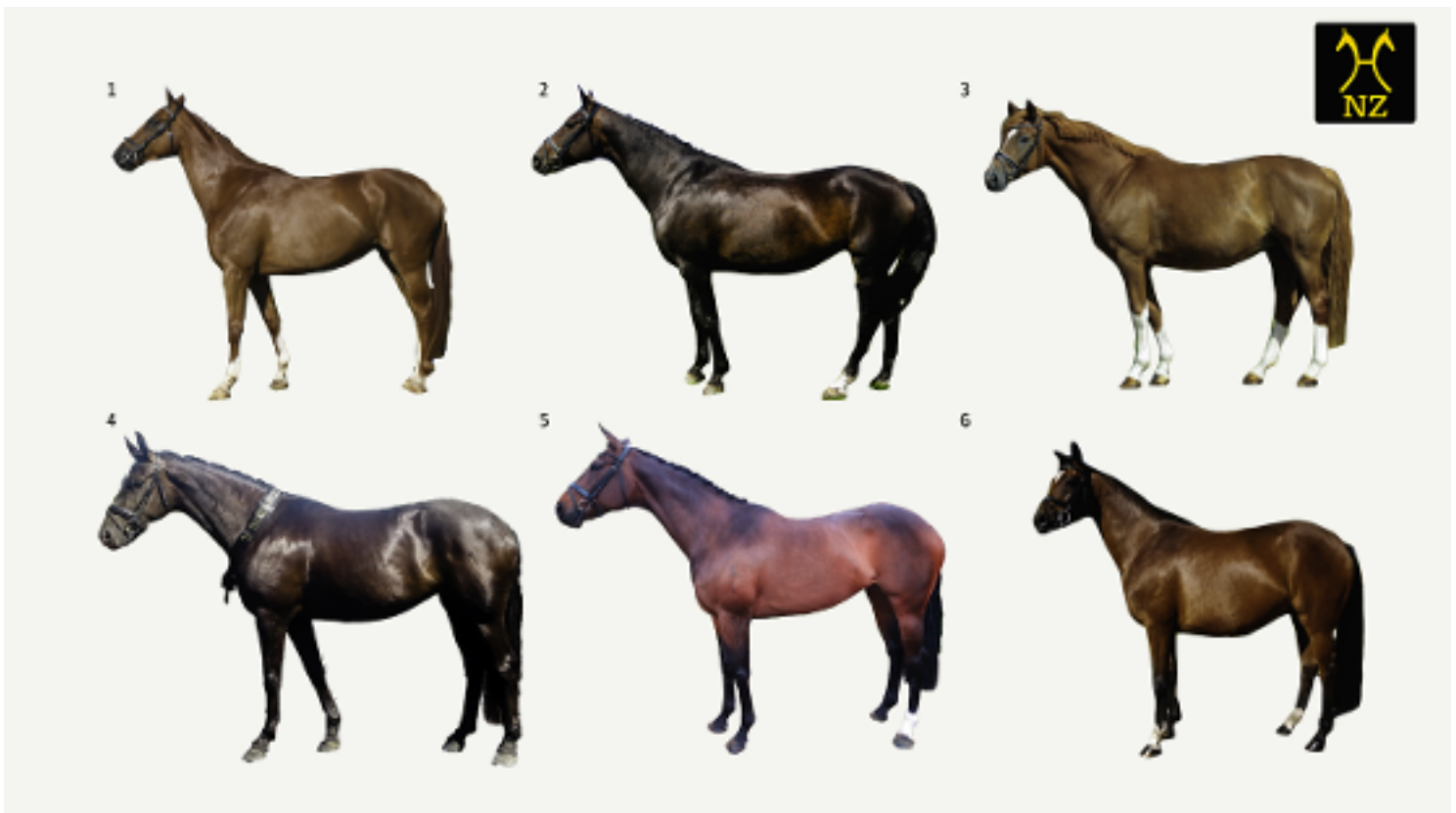
When you receive your score sheet the interpretation is important as this will give you a good idea of where your mare is weak or strong and what characteristics would be best in the stallion.



Let's look at what this looks like physically – examples.

What does it mean to have:

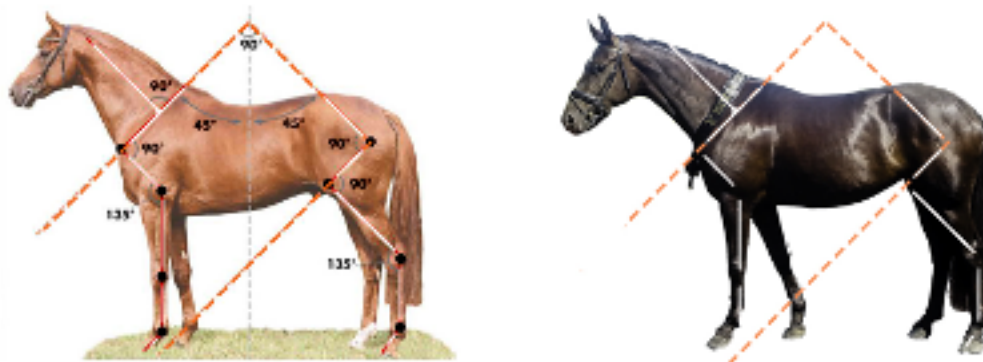
1. More upright shoulder – the forearm is unable to move freely enough to produce the desired degree of lift to generate impulsion.
2. A horse that is in third proportions – allows for the horse to move in balance through its whole body and therefore stay in good rhythm and cadence.
3. Hind leg that is straighter – the angulation of the hocks is very important for producing the forward energy and impulsion.
4. A longer back and short croup – this means that the hind end cannot push through to the optimum level required – for impulsion in trot, step through in canter to create enough jump and in walk it is hard to produce the “V” so the steps fall short of the foreleg steps.
5. Short and deep-set neck – the balance is not optimal, so the wither is restricted from coming up to produce forward and upwards movement.
6. Thicker jowl set – means that there is not enough room for the head and neck to flex comfortably so submission is affected.
7. Tight at the elbow – this shows up in all 3 paces where the freedom of the shoulder is affected and therefore the paces are restricted.
8. Short pasterns – this causes quite rigid movement.
9. Soft pasterns – whilst it makes the trot quite bouncy the long-term soundness is compromised.
10. Off set knees - this is not ideal because it not only puts a lot of stress on the joints which affects long-term soundness, but it also affects balance and correctness thus affecting the movement.
11. Low set necks - this is one of the most difficult traits to breed out. It affects the ability to achieve the uphill tendency in the movements because the wither cannot easily come up and allow the movement.



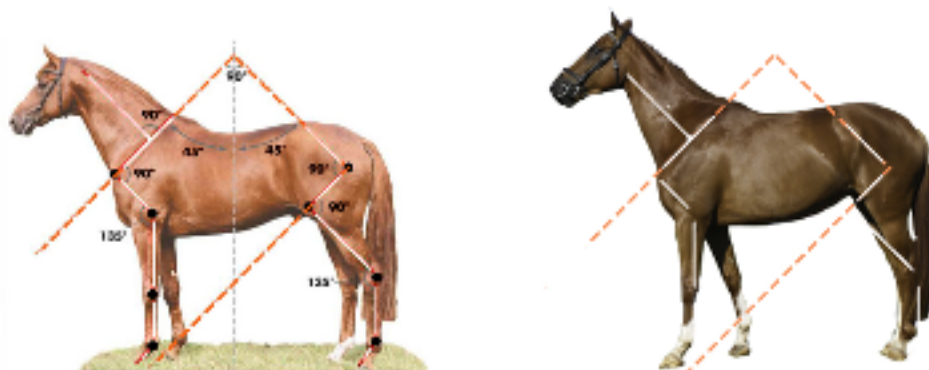
- No 1. Chestnut mare - 7 score with fair type but needs more frame (legs and overall size)
 No 2. Hanoverian pre studbook mare with good neck and fair legs but long frame and needs refinement.
 No 3. Hanoverian mare chestnut - fairly good but could use refinement.
 No 4. An absolute 8 mare – with nobility, correct limbs and a very harmonious topline.
 No 5. TB mare - good type and refinement
 No 6. Hanoverian mare 11 yrs. - not ideal in frame and type.

CONTINUED

Evaluation of a NZ Hanoverian "8" Mare



Evaluation of a Hanoverian Mare



This mare is less than ideal compared to the mare that scored 8 (she is not a New Zealand mare)

In conclusion

By using these tools and the scores given you are better able to understand the strengths and weaknesses of your mare. Therefore, when you go about choosing a sire for her, you can increase the probability of making a marked improvement in the next generation.

It is also a huge advantage if you can start with the best mare that you can afford, to further increase the probability of a best possible outcome.

Also - keep in mind this very apt quote from Jens Meyer when he visited us

"Function comes from construction"

DO WE STILL NEED TB BLOOD TO BREED PERFORMANCE HORSES?

(Excerpt from *The Horse Magazine* 20/10/11)

In a ground breaking piece of research, Florian Sitzenstock from the University of Goettingen, looked at the influence of the Thoroughbred in the Hanoverian studbook since 1985 and comes to the paradoxical conclusion that while the percentage of horses by full-blood or half-blood sires has diminished, the percentage of Thoroughbred blood in the Hanoverian population has increased!

The study examined the pedigrees of a total of 217,475 Hanoverian foals from 1980 until 2006 and found that the average proportion of Thoroughbred blood in the foals was 23%, with an increase from 20% in 1980 to 25% in 2006. During that period, the percentage of horses with no Thoroughbred

blood, dropped from 40% to 4%!

With the shortage of Thoroughbred mares in Germany, it is no surprise that the infusion came mainly through Thoroughbred stallions. However it is noticeable the actual share of Thoroughbred, and half-bred coverings has declined. This decline would have been much greater without the influence of the two great Hanoverian Thoroughbred stallions of modern times: Prince Thatch xx and Lauries Crusador xx.

In 1990, when the two stallions joined the band at Celle, they were responsible for 29% of half-bred foals produced that year. In 2006, 61% of all the half-bred Hanoverian foals were by 'Lauries'.



Lauries Crusador

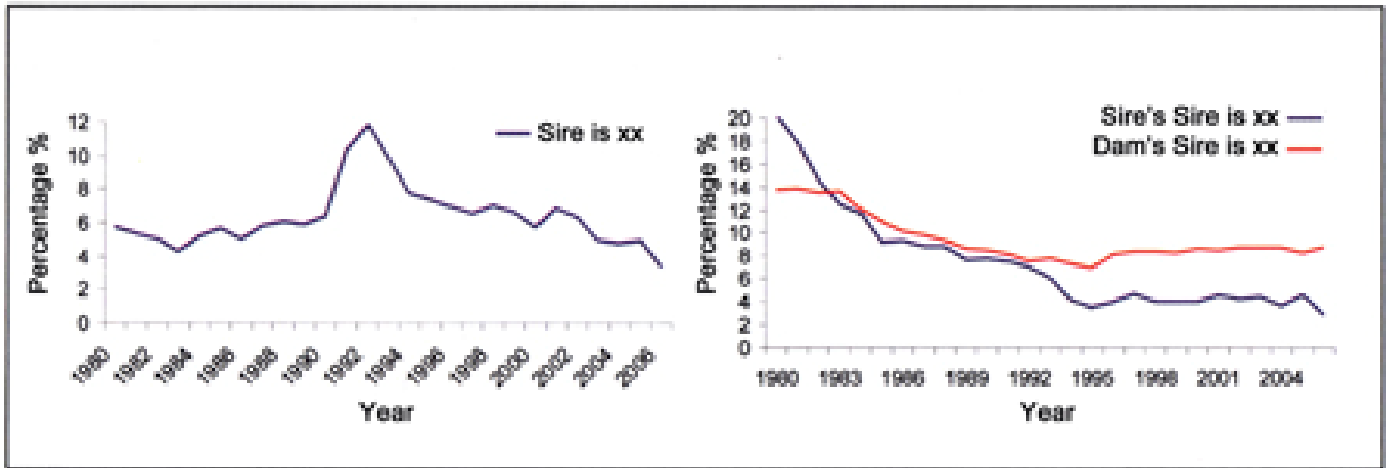
Sire of the majority of half-bred Hanoverians – Lauries Crusador

Illustration 1, shows the share of foals whose sire, sire's sire, or dam's sire was a Thoroughbred. The share of half-bred foals decreases consistently since 1993. Half bred stallions produced 20% of the foals of the 1980 crop, but just 3% of the foals born in 2006, while the number of half-bred mares decreased from 14%

to 9%. Since the actual percentage of Thoroughbred blood increased in the period, it is to be found in the third and four generation – reflecting Arnaud Evain's observation that once the mix is 'right' by breeding part Thoroughbred to part Thoroughbred, there is little need for the full blood in the program.

...CONTINUED

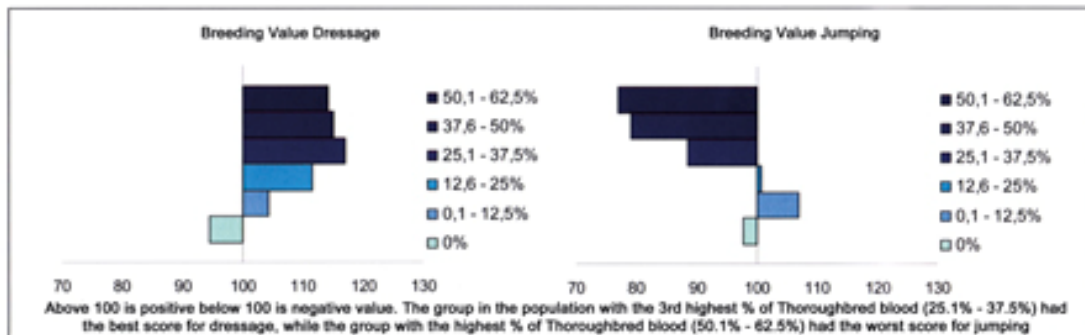
Illustration 1: Proportion of Thoroughbred blood in foals, from full-blood Thoroughbreds (the sire is xx) and Half-blood stallions (sire's sire is xx) and from Half-blood mares (dam's sire is xx)



The FN breeding values show that a proportion of Thoroughbred blood strongly relates to performance ability for both dressage and

jumping, although for jumpers the infusion needs to be further back in the pedigree.

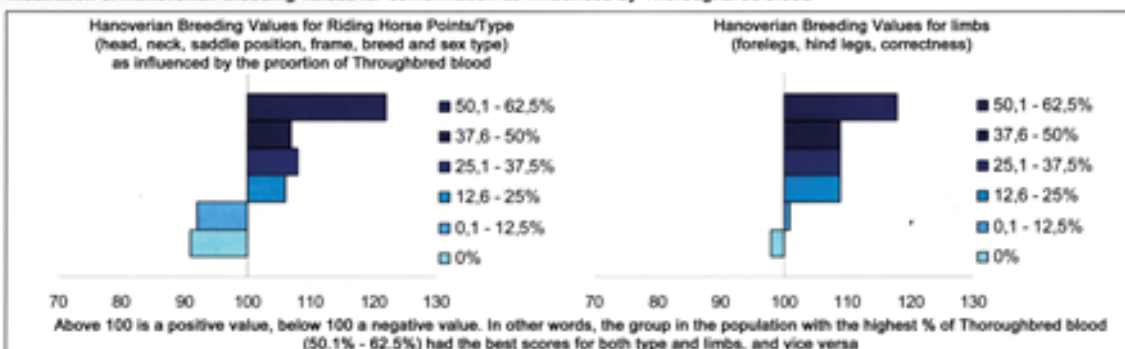
Illustration 2: Intergrated Breeding Value for Dressage and Jumping in relation to Thoroughbred influence



An increased proportion of Thoroughbred blood positively influences the dressage breed value, while it has a negative impact on the jumper index. On the other hand, horses with 25%

Thoroughbred blood showed a better breed value for jumping than horses with no Thoroughbred blood at all.

Illustration 3: Hanoverian breeding values for conformation as influenced by Thoroughbred blood





The Thoroughbred has been very important in improving conformation in Hanover. The Hanoverian breed values for conformation are positively influenced by Thoroughbred blood up to a proportion of 62.5%. The Hanoverian values show a positive Thoroughbred influence for frame, saddle position and type while the front legs in particular benefitted. Crossbreeding with a Thoroughbred in the first two generations positively affected the breed value for dressage and both exterior breed values. Half-breds surpassed Thoroughbreds in their positive influence.

However the breed value for jumping was negatively influenced by cross-breeding.

The conclusion reached by the researcher, Florian Sitzenstock puzzles me, since although his wonderful and copious research seems to show what Arnaud Evain intuitively knew, he ends up echoing the conventional wisdom: "it can only be recommended to increase the use of Thoroughbred and half-bred stallions as well as half-bred mares in the breeding program. An increased use, especially of new Thoroughbred sires as well as young stallions with a lot of blood, will allow for an opportunity for those sires to prove their inheritable qualities. The high-in-demand blood connection in pedigrees can only be guaranteed, if English Thoroughbreds are continuously used also today."

The results of Florian Sitzenstock's research were published in the July 2009 edition of *Der Hannoveraner* (once again, thanks to the Hanoverian Verband for providing the translation) along with a comment from Dr. Ludwig Christmann:

"Florian Sitzenstock established in his dissertation that today's Hanoverian population has a Thoroughbred share of 25 percent. He researched the past thirty years, a time frame during which a lot happened in the breed. Overall the types have improved, meaning: more hot-blooded horses with longer legs, equipped with the desired, so-called riding horse points."

"The need for refinement appears not as high as 30 years ago. That does, however, not mean that we want or can abandon Thoroughbreds as a refining breed. It means that we can approach the use of Thoroughbreds with a certain calmness, but also with a necessary consequence. Calmness means that only those Thoroughbreds are to be used, which are equipped with moving

ability, rideability, and/or jumping talent; consequence means that we continue to carefully search for such Thoroughbreds."

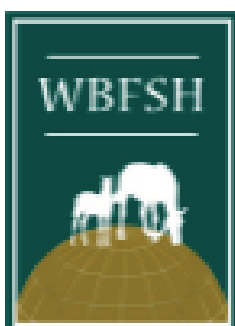
"Differences became clear between the use of Thoroughbred blood in the breeding of dressage horses and jumper horses. The fact that an increasing share of Thoroughbred blood positively influenced the breed value for dressage is certainly closely connected to the unique situation in Hannover. During the research period, such exceptional Thoroughbreds like Lauries Crusador xx, Prince Thatch xx, and Sunlight xx – all three more dressage oriented – were in breeding service in Hannover. The influence of Lauries Crusador xx continues to grow."

"Today horses like Shutterfly and Souvenir, both of which have half-bred dams, prove the importance of Thoroughbred blood also in the breeding of jumpers. Nevertheless: It is almost impossible for a Thoroughbred sire to get established as a top jumper horse producer with immediate sons and daughters in today's very specialized jumper horse breeding. In the second generation, however, attributes like performance willingness, quick reactions, and the often affirmed spirit come to bear. During the more contemporary history of the breed, it mostly was sons of Thoroughbreds, which established themselves as exceptional jumper horse producers, for example Cor de la Bryère (by Rantzau xx), Landgraf (by Ladykiller xx) or Furioso II by (Furioso xx)."

"Result: The modern sport horse breed requires Thoroughbred blood also in the future; for breeders, half-bred mares of quality remain a valuable commodity."



Breed for Success
with the
NZ Hanoverian Society

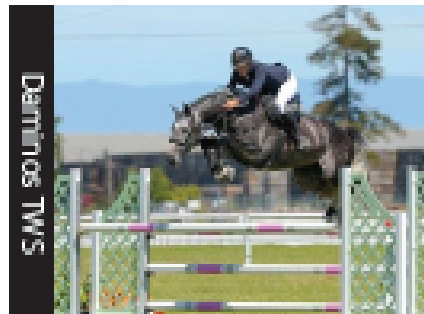
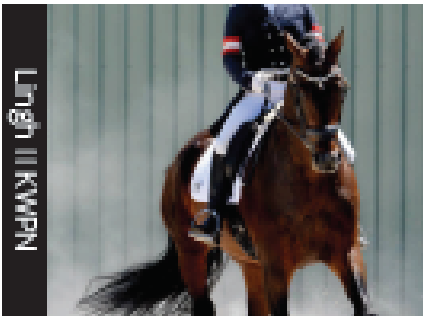


Proud Members Of The
World Breeders Federation
For Sport Horses

info@nzhanoverian.com | FB: New Zealand Hanoverian
www.nzhanoverian.com



Breed for Success
with the
NZ Hanoverian Society



Success Breeds Success
Choose Hanoverian or Rheinland Stallions.
Fresh or Frozen from New Zealand or Worldwide.

info@nzhanoverian.com | FB: New Zealand Hanoverian
www.nzhanoverian.com



CONTACTS

EMAIL: info@nzhanoverian.com

WEB: nzhanoverian.com

President	Mrs Renai Hart	River Park Farm 314 Matua Rd RD 1 Kumeu 0891	renai@riverpark.co.nz Ph. 027 5439794
Vice Presidents	Mrs Judith Matthews	P O Box 27 Awanui 0451	Ph: (09) 406 7380 Cell: 027 2849092 pwjmatthews@xtra.co.nz
	Mrs Angela Smith	313 Glenbrook Waiuku Rd RD 1 Waiuku. 2678	John.w.f.smith@xtra.co.nz Ph. 021 499 734
Secretary	Mrs Judith Wear	"Longridge" 114 Screen Rd Coatesville RD 3 Albany 0793	Ph: (09) 415 9968 wearjudith1@gmail.com
Treasurer	Mrs <u>Julianne Flyger</u>	C/- Flyger Fabricators 5 Forge Rd, Silverdale, 0932	flygerfabricators@xtra.co.nz Ph: 0274 797427
Newsletter Editor	Kim Morrison	3 Pipitea Place, Royal Heights Auckland, 0614	kimbomorrison@hotmail.com Ph: 027 7738880
Stud Book Keeper	Robin Potter	34a Carlton Rd Pukekohe, 2120	robinpotter329@gmail.com Ph 021 173299

AFFILIATES



River Park Farm



Stoneylea Farm

SPONSORS



Disclaimer

This is the official publication of the New Zealand Hanoverian Society.

Contributions are welcomed.

Whilst every effort has been made to ensure the information in this publication is correct, articles in this newsletter are printed as received by the Editor of the New Zealand Hanoverian Society newsletter. No responsibility will be accepted for the contents or accuracy of information supplied by contributors.