



TWEMLOWS STUD FARM

2011/2012
Winter Newsletter



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2011 HIGHLIGHTS:

Kings Temptress, ridden by Mary King, won the 2011 Burghley ET Scholarship.

Little Lefaine, ridden by Geoff Luckett, won the 2011 Bolesworth ET Scholarship.

In 2011 Twemlows Stud Farm saw their first set of quintuplets at the 14 day scan. After a routine veterinary procedure the mare successfully left the stud carrying one pregnancy.

Tullis Matson from Stallion AI Services will receive the Marsh Christian Award for Conservation in Genetic Bio-Diversity. He was given the award for the technological advances he has brought to the field in equine semen freezing.

Woodlander Farouche's Embryo Transfer colt foal, by Woodlander Wavavoom achieved an Elite Premium in the dressage section with a score of 9.79 the highest ever awarded by the BEF Futurity.



Review of the 2011 Stud Season



Woodlander Farouche



Kings Temptress



Beluga

In 2011 we used semen from 137 stallions; 30% of mares were inseminated with fresh semen, 20% with chilled and 50% with frozen illustrating the growing confidence in the use of frozen semen.

With Stallion AI Services (SAIS) next door, we have easy access to fresh semen from a wide variety of stallions. Inseminating with fresh semen has the best results of any form of equine mating and our close collaboration with SAIS has created much success even with the most difficult of "problem breeders".

We had a successful season with embryo transfer (ET) with a transfer rate of 74%, including top competition mares such as Kings Temptress (Mary King, eventing), Beluga (Laura Renwick, showjumping) and Woodlander Farouche (Woodlander Stud and the Eilberg family, dressage).



New Resident Stud Vets

Monica Morganti
Dr.Med.Vet. Dipl ACT from Italy has 6 years experience in all aspects of equine reproduction including both AI and ET including three years residency at the University of California's Veterinary Medical Hospital.

Niamh Lewis
BVM&S MRCVS from Ireland comes as a research veterinary surgeon for our Knowledge Transfer

Partnership (KTP) scheme. Niamh (pronounced Neave) has worked in Ireland, Kentucky and Australia gaining experience in equine reproduction and neonatology. In addition to her research work she will be working alongside Monica.

The KTP scheme is a joint venture based at Twemlows Stud and working with the University of Liverpool's Leahurst Equine Hospital and the Liverpool Women's Hospital.



Monica Morganti



Niamh Lewis



LOOK OUT FOR US AT
THESE FORTHCOMING
EVENTS IN 2012

FEBRUARY



Stallion Showcase GB Addington Manor Equestrian Centre. Come and visit us on the 4th & 5th at our stand

JUNE



Mare Grading Will be held on the 27th & 28th at Twemlows Stud Farm



Bolesworth Castle Classic Showjumping 1st - 4th June We will once again be providing an ET Scholarship

AUGUST - SEPTEMBER



Burghley Horse Trials 30th — 2nd We will again be offering an ET Scholarship to the leading mare, and looking forward to the stallion parade



Twinning

Ever year there is always a 'success story' about twins being born. These stories usually linger on how cute the foals are, or how the owner had 'two for one'. Little is said about the other 99% of twin pregnancies.

Most cases result in one of the following: Reabsorption of both embryos. Abortion. Still born, full term foals. One foal is still born. Both foals are born very weak or prematurely In turn, vet bills can be incurred in caring for

the foals. Twins occur when there is a double ovulation and in rare cases in equines, the splitting of a single embryo.

We record the presence of double ovulations which help flag up the possibility of twins at the 14 day scan. If twins are detected it is preferable to crush the smaller conceptus. The mare is routinely scanned 2-3 days later to confirm the remaining pregnancy.

Around day 16 of the pregnancy implantation occurs and the longer the mare is

left the more difficult the task of crushing the conceptus becomes, particularly if the embryo's sit close together.

There is a small risk that the remaining conceptus after crushing will reabsorb, we therefore advise that your mare receives her follow up scans at 28 and 42 days.



ULTRASOUND IMAGE OF TWINS AT 14 DAYS

"Research suggests that very few twins that are born ever become athletes"



Staff Profile: Mark Davies



Mark came to Twemlows Stud Farm in November 2005. His role is to do the "farming" on the stud.

Grass production for both grazing and conservation are a first priority and he is responsible for all the paddock management.

Anything mechanical is also part of his remit and this sometimes brings him into contact with clients when a visiting lorry that has technical problems. When Mark first came to Twemlows Stud Farm we soon learnt that it was not the horses that had attracted him to the job but that the likelihood that the Matson family would be sympathetic to days off in the winter so that he could either go shooting or following hounds on foot which are his two main hobbies.

In fact horses were almost the biggest drawback to the job since he was very apprehensive about them; his contract says that he is never expected to handle them! This respect works both ways because the

last thing Mark wants to see is stable staff driving his treasured tractors.

First impressions are the easiest to remember and Mark's job is to give all visitors to Twemlows Hall the impression of a well maintained and well run stud. Mark is "**front of house**" and the horse aficionados behind the curtain are mighty pleased to have him out there.

"Grass production for both grazing and conservation are a first priority for Mark"



Limb Deformities

Many foals are born with conformation problems which can be concerning. Many drastically improve in the first few days with strict box rest. If there is no change after this time, there are conservative and surgical treatment options which can be successful depending on the deformity.

Types of limb deformities:

•'Windswept' is a conformational abnormality where the hind limbs are slanted in one direction, the pelvis appears twisted and the foal walks with a weak, twisting action. A vast improvement can be seen in the first 2 weeks of life, with box rest for the first few days followed by limited turnout to strengthen the ligaments and tendons; corrective trimming and shoeing can also help. If it persists beyond 4 weeks surgical intervention may be needed.

•Angular limb is a deviation of the limb to the side, if looking face on, the most common of which is carpal valgus (see picture). Most of these will improve with restricted exercise for the first 30 days. Corrective trimming and medial



THESE PICTURES SHOW THE SAME FOAL, AT 1 AND 3 WEEKS OLD. WITH CAREFUL MANAGEMENT THE 'WEAK PASTERNS' HAVE SIGNIFICANTLY IMPROVED.

extension shoes will aid correction of the deviation. If the deformity persists after 6-8 weeks surgery can be performed to speed up the growth of the bone on the side which is growing too slowly.

•Flexural deformities can be very common in the newborn foal, the most common being 'weak pasterns' or 'down on the bumpers'. This is laxity of the flexor tendons and can be seen in fore and hind limbs. It can be so severe that the fetlocks will rest on the ground. A combination of box rest to prevent damage to the heels and skin, gentle exercise and back

extension shoes usually leads to complete improvement, although this can take a few months in severe cases.

Another example of a flexural deformity is contracted tendons and the fetlock to foot is too upright. Foals can be born with this or can acquire it due to pain (e.g. from foot abscess) or an excessive growth spurt. Treatment for congenital forms includes box rest, splints and oxytetracycline; acquired forms can be improved using corrective trimming or shoeing although surgery may be necessary.

OPEN DAYS

22nd April

Stud Open Day
Stallion Parade, Trade stands
and Demonstrations

29th March

ET Open Day

Open Days will be held at
Twemlows Stud Farm
For more details contact us or see
our website www.twemlows.co.uk

'TRANSPORTED EMBRYO SERVICE' CONTINUES WITH GREAT SUCCESS



IN 2011 TWEMLOW'S STUD FARM SAW AN INCREASE IN THE NUMBER OF TRANSPORTED EMBRYOS, AND WE HAVE BEEN DELIGHTED WITH THE REFERRAL VETS WHO CARRIED OUT THE FLUSHES.

With our large recipient herd we are able to offer owners and referral vets who wish to carry out ET with their mare, the opportunity to inseminate and flush their mare closer to home before transporting the embryo to us to be transferred. Working with Twemlows Stud Farm your vets at home can keep us informed of your mares progress so we are able to synchronise suitable recipient mares. We are also happy to accept 'walk in flushes' for those wishing to keep their mares at home.



2011 Stud Team with Kings Tempress

2012 Stud Season will see the return of Kat Malcom as Stud Manager. Kat left at the end of the last breeding season to work in Australia, before returning to her native New Zealand. Whilst in Australia Kat was head of the foaling unit at a Polo Stud.

We also see the return of Denise Williams who has joined Liz in the office and will be assisting in the stocks.

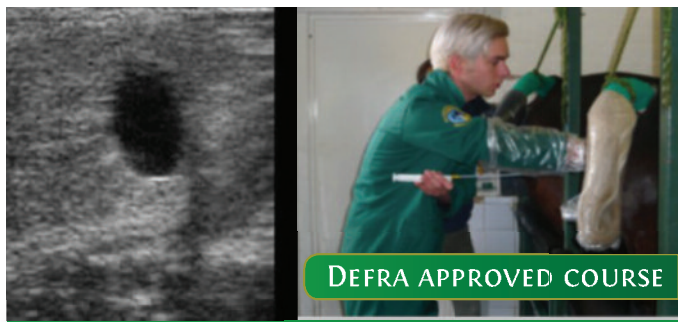


Denise, who worked for us between 2005 and 2009, has since travelled around NZ and

worked on studs in Germany, before returning to the UK.

2012 Courses | In collaboration with Harper Adams University College

FOR FURTHER INFORMATION OR TO BOOK ON TO OUR COURSES EMAIL LIZWILKINSON@TWEMLOWS.CO.UK OR VISIT WWW.TWEMLOWS.CO.UK



DEFRA APPROVED COURSE

AI TECHNICIAN TRAINING

- Anatomy of the Mare
- Semen Handling
- Artificial Insemination
- Record Keeping
- Care of Mare Before & After Insemination
- Semen Production/Collection/Assessment/Packaging

8th & 9th March · 21st & 22nd March



FOALING THE MARE

- Preparation for a safe foaling
- Normal foaling in the mare
- Inducing the mare
- Recognising a problem foaling at an early stage
- Complications of late pregnancy
- New-born foal examination
- Examination of the placenta
- The orphan foal and adoption

1st & 31st March



FOAL & YEARLING MANAGEMENT

- Worming & Vaccinations
- Common Diseases
- Recognising at an early stage when something is wrong & what to do
- Foal Handling & Foot care
- Practical Session – Examination Of Foal
- Weaning , Nutrition & OCD

1st April



BREEDER'S MANAGEMENT COURSE

- Pasture Management
- Grazing Systems
- Worm Control
- Nutritional Management
- Equine Health Management

3rd March



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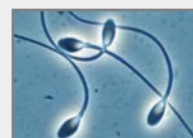
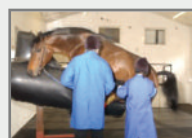


STALLION AI SERVICES

Tulis Matson, Stallion AI Services Ltd
Twemlows Hall, Whitchurch, Shropshire, SY13 2EZ

“Using the latest technology in equine breeding”

Equipment Sales | Fresh and Chilled Semen Distribution | Training Courses
Freezing Semen | Semen Assessment | Frozen Semen | Semen Storage & Distribution



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