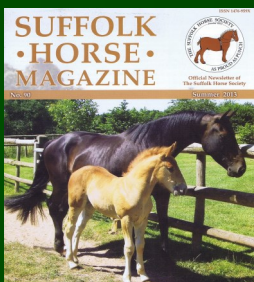




HIGHLIGHTS

Our second annual **Open Day** last April was a great success. Over 20 stallions paraded & we raised more than £2000 from our silent auction for the Rare Breeds Survival Trust. Next year's Open Day is on 12th April.

In June the very first ET Suffolk foal was born, owned by Mr & Mrs Parckar. Suffolks are a seriously endangered breed and this is a huge step forward for any rare breed where the problem is getting the mare to hold her pregnancy. The donor mare, Opal, also conceived and had a filly foal by Donhead Hall Navar.



The photo shows 'Dawley Faith' (sire Colony Edward) with our recipient mare.

Jaguar Mail will be based with Stallion AI Services at Twemlows Hall in 2014.

We were delighted to have two appearances on television this year; BBC1's **Countryfile** when Adam Henson came to film a feature on Rare Breeds, and also on the Channel 5 programme, **Animal Clinic**, with Ben Fogle.

For 2014 season we will be offering clients the chance to **freeze stem cells** from their foals' umbilical cord, enabling them to be used in the future for any injuries or problems that may occur. We will be working with **Equicord** to provide this new service.

TWEMLOWS EMBRYO TRANSFER SCHOLARSHIPS

The purpose of the ET Scholarships is to allow mares to breed while continuing to compete at the very top level and for the progeny to be supporting British Breeding from the earliest stage possible. Our very first scholarship winner was **Headley Britannia** who won Burghley in 2006. The result was two ET foals, born in 2008 - **Little Britannia** (Millie) and **Britannia's Mail** (Marley) both by **Jaguar Mail**. The latter, an entire, had his first two foals born this year and has 15 more due in 2014.

Six years later and we are now seeing some very practical results in our objective of "**Breeding from the Best**".

At the Land Rover Burghley Horse Trials in September this year we were delighted that **Paulank Brockagh** (Brocks) was the winner of our eventing scholarship. She is owned by Sam Griffiths (rider), Dinah Posford and Jules Carter, and they plan to send her to Twemlows Stud following Badminton 2014.

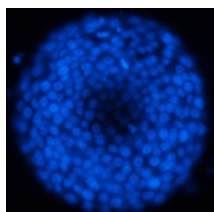
The 2012 Burghley scholarship winner, **Briarlands Matilda**, had a filly foal by Jumbo in September.

We have also had great success with our show-jumping scholarships in 2013 - **Fresh Direct Corlato** had a filly foal by Peppermill in April, **Tinka's Serenade** had an ET colt foal by Luidam in July and **Little Lefanie** has two recipients in foal, one by **Diamont De Semilly** and the other by **Kannan**.



Paulank Brockagh ridden by Sam Griffiths
Winner of the 2013 Twemlows Burghley Scholarship

ICSI RESEARCH PROJECT



Day 10 Equine Blasocyst

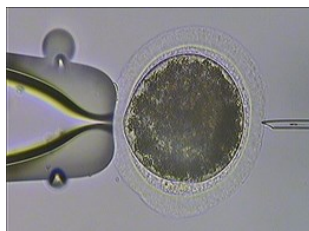
Despite many advances in reproduction and with AI and ET now commonplace, there are still some highly valued mares and stallions from which foals cannot be produced. It is these individuals that will benefit most from the more advanced 'test-tube' fertility techniques such as **oocyte transfer (OT)** and **intra-cytoplasmic sperm injection (ICSI)**.

These methods allow eggs, collected from donor mares, to be directly transferred to recipients for fertilisation, or transferred following fertilisation of the egg by direct sperm injection.

Due to their highly technical nature and the specific expertise required, these methods are only offered commercially in a handful of places worldwide.

After learning about these new technologies becoming available to equine breeders during a trip to Italy in 2009, we embarked on the challenging journey to bring these novel methods to the UK.

In accepting this challenge, we enlisted the expertise of the **University of Liverpool Veterinary School** and human embryologists at the world class **Hewitt Fertility Centre** at the **Liverpool Women's Hospital**.



ICSI being performed

The team's hard work and dedication is now starting to pay off with the recent achievement of two ICSI pregnancies and one OT pregnancy. This success means we are closer to realising our goal of offering these technologies to the UK and we look forward to continuing our team approach in 2014.

TRANSPORTED EMBRYO TRANSFER SERVICE

This is gaining in popularity and is an ideal choice if you want to breed your mare but prefer to keep her close to home.

Working with Twemlows Stud, your vet keeps us informed of your mare's progress so we are able to provide you with a well **synchronised** and suitable recipient mare.

We also offer a "**walk in flush**" service whereby your vet does the preparation and AI of your mare at home, and we flush your mare and transfer the embryo to a recipient mare here.



STAFF PROFILE

Nikee Hudson (Stud Manager) came to Twemlows Stud at the end of 2011. She originally trained as a teacher working at a therapeutic educational centre, but horses have always been her passion.

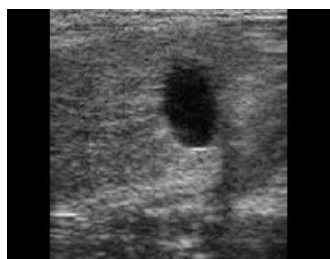
During the two years she has been at Twemlows, Nikee has developed her knowledge and experience in reproduction, and has been very involved in our ICSI research project, supporting Niamh Lewis, our research vet.

In her spare time Nikee likes to train and compete her own 5 year old mare, who she has broken and brought on herself.



2014 Courses

FOR FURTHER INFORMATION OR TO BOOK ON OUR COURSES EMAIL lizwilkinson@twemlows.co.uk



AI TECHNICIAN TRAINING



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

19th & 20th February | 3rd & 4th March



FOALING THE MARE

- Preparation For Safe Foaling
- Normal Foaling
- Inducing The Mare
- Recognising Problems Early
- Complications
- New Born Foal Examination
- Examination Of The Placenta
- The Orphan Foal & Adoption

9th March | 5th April



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 a Foal
- Weaning, Nutrition & OCD

6th April

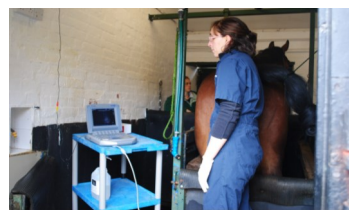


VETERINARY CPD

Practical Equine Gynaecology

A 3 day course designed specifically for veterinary surgeons with an interest in **Equine Reproduction**, covering a number of topics in interactive workshop style lectures, and individual examination of mares and stallions.

11th - 13th February



EMBRYO TRANSFER OPEN DAY

A day for owners and breeders interested in using embryo transfer. Demonstrations and lectures will be held during the day.

13th March



OPEN DAY

TWEMLOWS STUD FARM
& STALLION AI SERVICES

12th April



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