



One-day Conference

Technical Improvements to New-build Steam Projects

Old White Lion Hotel, Haworth, on 9th October 2016

Welcome: Welcome to the Advanced Steam Traction Trust's first conference.

The Advanced Steam Traction Trust (AST) was established in 2012 following the closure of the 5AT Project. The aim of the group is to provide technical support to new and heritage steam loco owners by applying the knowledge gained from the 5AT project for the purpose of improving the performance, economy and reliability of their machines.

This is the Trust's first conference, and it is hoped that it will be followed by similar or larger events in future, perhaps on an annual basis if demand is sufficient to justify it.

Program:

- 10:00 – Doors open for registration etc.
- 10:20 – Introduction – **John Hind**;
- 10:30 – Electronic locomotive indicating trials by AST – **Mike Horne** and **Jamie Keyte**;
- 11:15 – The design of the new Lynton & Barnstable [No. 762 "Lyn"](#) – **Ian Gaylor**;
- 12:15 – The design of Joy valve gear for the [Prince George project](#) – **Terry McMenamin**;
- 13:15 – Lunch and informal discussions;
- 14:00 – A progress report on the [P2 Project](#) – **David Elliott**;
- 15:15 – An outline of the proposed [K3 Project](#) – **David Gibson** and **Owen Jordan**;
- 16:15 – Wrap up – **John Hind**;
- 16:30 – Informal discussions and socialising;
- 17:00 – Meeting room closes.

Attendees:

- **AST Members:** John Hind (chairman); Chris Newman (webmaster and membership secretary); Mike Horne (secretary); Paul Hibberd (treasurer); Jamie Keyte (committee member); Cedric Lodge (committee member); Richard Coleby (committee member); Adrian Tester; Alan Fozard; Andrew Taylor; Dave Pawson; Iain Jack; Ian Gaylor; Les Turner; Nigel Thornley; Owen Jordan; Robin Pennie; William Powell; Xavier Jiménez (from Spain).
- **Non-members:** David Hyde; Graham Ashton; John Boutwood; John Tasker; Neil Simkins; Sean Mc Kerchar; Sue Gaylor; J.V. Vickers.
- **Speakers:** Mike Horne (ASTT); Ian Gaylor (ASTT); Terry McMenamin (George V Project); David Elliott (P2 Project); David Gibson and Owen Jordan (K3/K6 Project).

Apologies received:

- **AST Members:** Alan Barnes; Alex Powell; Chris Corney; Chris Ellick; James Evans; Holger Plünnecke (Germany); Jean-Pierre Hofer (France); John Duncan (ex CME to SLOA).
- **Non-members:** Alan Haigh (boiler expert); Don Ashton (valve gear expert); Geoff Turner (Clan Project); Brian Hall (Sandringham Project); Andrew Horrocks-Taylor (567 Project); Mike Stockbridge (Consuta Trust); Adrian Shooter (Chiltern Trains); John Sawle; John Scott; Robin Barnes; Jan Söderlund (Sweden); Hans-Udo Drees (Germany); Sam Mackwell (New Zealand); Robert Garside (Canada); Shaun McNutt (Canada); Dr. Allan Wallace (Australia); John Rhodes (USA); Shaun McMahon (Argentina).



ASTT Membership

Associate Membership of ASTT is open to all-comers for a cost of £10 per year or £5 for anyone joining after 1st July. Membership subscriptions expire on 31st December each year, when renewal notices will be sent out to those who have not placed standing orders for automatic renewal of their membership.

Members can expect to receive a short newsletter two or three times per year updating them on recent and future activities. In addition they receive discounts on AST publications and conferences.

Membership application forms can be downloaded from the Membership page of AST's website at <http://www.advanced-steam.org/ast-group/membership/>, or by writing to the Membership Secretary at mem-sec@advanced-steam.org.

Message from Shaun McMahon (Argentina)

Sincere thanks for inviting me to attend this conference. Unfortunately I am unable to get back to the UK in time for it. I hope instead that I will be able to attend a future AST conference.

2016 has been a busy year with steam development in Argentina. One project of particular interest was begun by Porta when he worked at INTI back in 1973. Details will be made available as the work advances. Design work continues for modifying 8A class locomotive No.3351 (photo right) including fitting of a LEMPOR exhaust together with improvements to the combustion and mechanical systems. The scope of the work is based on what was done to the FCAFs locomotive No.3 Camila during 1999, though the scale of the work is very different, 3351 being a broad gauge locomotive.



At the Ferroclub in Remedios de Escalada, Buenos Aires, the rebuild and modification of Vulcan Foundry built 12E class locomotive No. 3925 continues similar to that planned for 3351, though in this case a double LEMPOR exhaust is proposed.

It has also been a sad year in the industry with the passing of Phil Girdlestone who was one of the most knowledgeable steam locomotive engineers of recent years. As many will be aware, I had the pleasure of knowing and working with Phil over the decades and learned a great deal from him.

My warmest wishes to all who are attending this conference today.