

# THE SARUM MODEL TRACTION ENGINE CLUB

Affiliated to the Southern Federation of Model Engineering Societies.

Newsletter number 39. June 2014

[www.sarummodeltractionengineclub.co.uk](http://www.sarummodeltractionengineclub.co.uk)

Welcome to the Sarum Model Traction Engine Club newsletter.

Your Committee members are:

Pete Parrish, Chairperson.  
Sharon Staton, Treasurer.  
Charlie Warne, Committee member.  
Roger Melton, Committee member.  
John Findley, Committee/webmaster  
Martyn Jones, Secretary/Newsletter editor.

## Forth Coming Events.

- 20<sup>th</sup> July.** Durrington Village Show and Classic Vehicle Gathering.  
Coal and water supplied. Details. Martyn Jones 01980 653385.
- 2<sup>nd</sup>-3<sup>rd</sup> August.** The Sarum Steam and Classic Transport Gala. Salisbury Rugby Club  
Castle Road, Salisbury SP1 3SA. Entry forms/details from  
Martyn Jones 01980 653385.
- 16<sup>th</sup> August.** Wessex Fair. Wilton House, Wilton, Nr Salisbury more details to follow  
when they are available.
- 24<sup>th</sup> August.** Wallop Vintage Gathering and Car Boot Sale at the Over  
Wallop Sports Field, Salisbury Lane. 10.00am-4.00pm.  
Please see note below. (Just turn up)
- 25<sup>th</sup> August.** Newton Tony Steam Up and Road Run including static  
model display. Coal and water supplied, details Peter Parrish.  
(Bank Holiday Monday, Newton Tony Village Feté)
- 7<sup>th</sup> September.** West Wilts Model Engineering Society Exhibition. Westbury.  
Details Peter Parrish.
- 13<sup>th</sup> -14<sup>th</sup> September.** Berwick St James Steam Fair, details Peter Parrish. (Limited entries)

**If you were unable** to attend the AGM last you can still pay your membership fee by sending your cheque for £7.00 payable to The Sarum Model Traction Engine Club, to Ms Sharon Staton, 25 Kickdom Close, Amesbury, SP4 7XB. Or, Mr M J Jones, 6 Westfield Close, Durrington, Wilts. SP4 8BY.

## The Sarum Steam and Classic Transport Gala 2<sup>nd</sup> - 3<sup>rd</sup> August

Trader and exhibitor entry forms are available from either the Salisbury Rugby Club or from me (Editor). If you have any colleagues who would like to exhibit in any of the classes on the entry form or know somebody or organisation that would like a trade or craft stand please let me know so that we can send them an entry form. Any members and their friends that would like to help with this event please step forward as any assistance no matter how big or small will be much appreciated there is a lot to do! Your club needs YOU!

## DIY Zinc Plating

As you may remember I mentioned in an earlier newsletter that I am currently in the process of restoring a 60's Triumph Trophy motorcycle and what a state it is in, what ever I take apart is well and truly worn out or damaged and I haven't started to strip the engine yet.

Most of the smaller cycle parts are salvageable such as some of the frame fittings, special bolts, nuts, studs and spacers, from new these would have been Bright Zinc Plated (BZP). I considered trying to buy new but many of the pattern parts on the market are incorrect and do not fit, or finding a local plating company to do the necessary plating for me. When I restored a 1925 Norton in the late 70's the bright parts were Nickel plated and I did this at home using Nickel Salts and Nickel anodes so I thought why not do my own zinc plating.

A quick search of the good old internet turned up a company selling a variety of "home" plating kits so after a phone call and the parting of some cash the kit soon arrived by courier. The kit contains detailed instructions and safety data sheets for the chemicals, zinc anodes, resistor, wire, safety items such as gloves, goggles and a mask, I had to source the plastic containers for the plating tank, washing tank and acid dip etc.

The day arrived when I thought lets give it a go so with the instructions to hand the chemical mixing process started first the ammonium chloride and zinc chloride was dissolved in four litres of deionised water and then the Zylite MB was added, this solution is now called the electrolyte. The Zinc anodes were attached to a piece of copper wire and suspended in the tank of electrolyte and a wire from these will go to the small electrical resistor and then to the power source (car battery).

The items to be plated must be perfectly clean, any rust, dirt, oil and paint must be removed first, then I washed them in solvent. These items are now wired to a bar using copper wire ready for the next cleaning stage which is a strong detergent wash, a cold water rinse and then the acid pickle (masonry cleaner containing hydrochloric acid) another cold water rinse and into the plating tank. A wire from the bar containing the parts to be plated is taken to the power source and making sure that the items do not touch the zinc anodes the power can be switched on and the voltage adjusted using the resistor.

After about 30-40 minutes the power is turned off and the bar and items removed from the tank and again clean water rinse, they are then dipped into the clear blue passivate solution to seal the coating and again clean water rinse. The plated items are then left to dry for 48 hours before use and then can be lightly polished or left as they are as in the picture below. If anyone would like any more information on the above please give me a call or e-mail.

Martyn Jones



First batch of Bright Zinc Plated items completed using a "Gaterosplating Kit."

**Wallop Vintage Gathering and Car Boot Sale** at the Over Wallop Sports Field, Salisbury Lane. 10.00am-4.00pm, our club has been invited to attend this event, the organisers are expecting us, no entry forms are being issued just turn up on the day.

**Lover Country Fayre 5<sup>th</sup> July**, 1.00pm – 4.00pm, our club has been invited to attend this event, please contact the organiser Mr Graham Budworth on 01725 510105. Water is available on site and some parking is available on hard standing

**Amesbury Carnival** report and pictures next month.

### **For Sale and Wanted**



For sale, two 3" scale Suffolk Dredging Tractors, when finished these are big enough to ride on, all machining is complete to a very good standard with just the boilers to finish, material for the boilers is supplied (copper). Drawings are available from Reeves. They are to be sold as a pair and are open to offers, for further details and to arrange a viewing please contact the chairman Peter Parrish on 01980 610346.

**Wanted** items for the news letter, short write up and a picture will do fine. Please send details to the editor.

**"Just The Ticket Engineering Supplies"**, Roger Melton (club member) can supply from stock tools and materials for the model engineer and the light engineering industry. Typical stock includes drills, reamers, taps and dies, various lathe and milling cutters, BA nuts, bolts and washers, rivets, paints, steel/brass stock and much more. Catalogues are available so please give him a call on 01980 610058.

Please send/email/ phone your adverts to the editor.

End.

