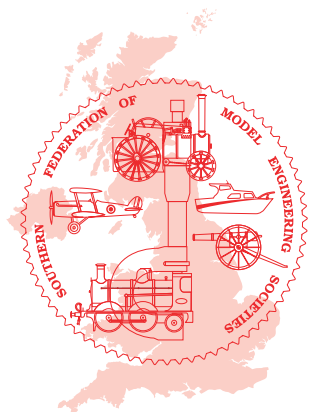


SOUTHERN FEDERATION NEWSLETTER

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Editor: David Goyder
Tel: 023 8042 1201
newslettereditor@sfmesc.co.uk

Views and comments expressed in this publication are not necessarily those of the Southern Federation of Model Engineering Societies

EDITORIAL

It is with some trepidation that I have poked my head over the parapet and found myself talked into being the newsletter editor! John Walker told me it was quite fun so here I am. I hope I can make these as interesting as John has in the past and I will be seeking your club newsletters so we can share many of your interesting and pleasurable activities. And of course we can let the readership know about your open days and other inviting events. Much better to email them these days as postage costs are becoming prohibitive.

You will see in this edition that the hot topic is the transition from a loose federation to a formal and structured organization, a Company Limited by Guarantee. I have been involved in this sort of work in the past and I can assure you that your committee has spent a lot of time and put in an enormous effort to achieve this new status. I imagine there were a few bets on to see who would be the first club to the first Founder Member, all revealed inside.

Many Clubs and Societies are trying to promote the younger generation into



Trains on the Guildford 16mm tracks, would this entice the younger modeller?

Photo—Brent Hudson

Model Engineering; and summer ahead is a good opportunity to encourage the younger members to try for the Southern Federation Junior Award supported by Polly Model Engineering? This award is made to young person(s) who have achieved excellence in model engineering it is perhaps a good time to remind us especially with the Traction engine Rally coming to Guildford in a couple of weeks.

David Goyder, Newsletter Editor

NEW ON OUR WEBSITE

VISIT US ON WWW.SFMES.CO.UK

The following new items will be found on our website:

- ◆ Annual General Meeting Minutes 2013.
- ◆ Accounts for the Southern Federation for 2013.
- ◆ Nomination Form for the Southern Federation Junior Award in conjunction with Polly Model Engineering Ltd.
- ◆ Progress to move the Federation to a Company Limited by Guarantee.
- ◆ And lots of other goodies, have a look yourself.

FROM THE CHAIRMAN

Chairman's chat

Well so far it has been a busy year we are almost a company limited by Guarantee. I do ask you to go on the website and on the front page you will find a form to fill in to be a Club founder member of the limited Southern Federation and you can be also. It does not cost you and if in the distant future the SFMES should cease to exist then the One Pound is unlikely to be collected as it would cost more to collect. Well the GL5 society had a spectacular freight yard inside the Shildon Railway Museum and the public were enthralled by the shunting and Steam locomotives inside. The object of the exercise is that if it is cold or raining as it is early in the year we the operators will remain dry and warm. Not so silly eh? Next was the Harrogate Exhibition where we had a smaller stand but a television with our hobby being shown to the people in an improved light and we may put models on the stand in future. So we your Committee can no longer

hide behind a huge map and are visible for pop shots

So now the Sweet Pea rally at Guildford track. We are so welcome and it is great to meet such enthusiastic engineers. Ron and Phil Owen were there with their 7¹/₄" Sweet Pea it was great to see two such prominent people enjoying themselves and not behind a counter. Next Exhibition will be at Guildford rally again and then Bristol so please assess your certificate requirements and we will take them to save postage. Now lastly I know you are all getting use to the boiler certificates but I feel that the requirement for the large certificate to be used every time is silly. How about a smaller Steam Certificate with Three date spaces to be kept with the large Hydraulic Certificate able to keep the three year record of the steam test. It is your Federation let us know what you think ?

Brent Hudson

Chairman Southern Federation of Model Engineering Societies

Members' Insurance

If your Club or Society is a member of the Southern Federation, you can insure your workshop building, machinery, models, home railway tracks, etc. even if your Club or Society uses another broker

Very competitive rates are available

Contact
Walker Midgley
Insurance Brokers Ltd

For details
see page 8

COMPANY LIMITED BY GUARANTEE PROGRESS REPORT Founder Member Applications went live on Friday 30 May 2014 and the first to be received was . . .

Romney Marsh MES, followed by,

Kinver & West Midlands SME, 2nd and

Bedford MES SME, 3rd

and by the time you read this the list will include,

Ickenham & District SME

Crawley Model Engineers

Lothain Miniature Road Steam Club

Spenborough M&EE

Cornish Miniature Steam Vehicle Club

Rotherham & District MES

West Riding Small Locomotive Society

Sutton Coldfield MES

Gravesend Model Marine & Engineering Society

Bedfordshire Area Group 16mm Association

Bournemouth & District SME

Sheppey Miniature Engineering & Model Society

Coventry MES

Pinewood Miniature Railway Society Ltd.

Polegate and District MEC

Leeds Society of Model & Experimental Engineers

Pimlico Light Railway

Stephenson Locomotive Society

North Wilts MES

York City & District SME	Brent House Railway
Rugby MES	South Durham Model Engineers
Doncaster & District MES	Bromsgrove SME
South Downs Light Railway Society	Chesterfield & District MES
Echills Wood Railway Society	City of Sunderland MES
Scunthorpe Society of Model Engineers	Cambridge MES
Plymouth Miniature Steam	Kennington Junction Railway
Vale of Aylesbury MES	Colchester SMEE
North Devon Society of ME	Kings Lynn & District SME
Wye Valley Railway Society	Beamish Model Engineering Group
Portsmouth MES	

**Southern
Federation Web
Site**

All our data is now held on the Southern Federation website

This information is used to contact you and your club

Have you checked that your Club/Society data is correct?

SOME NOTES AND THOUGHTS FROM YOUR BOILER REGISTRAR

It is now over a year since the introduction of the new boiler paperwork.

Many of the clubs' boiler inspectors seem to have got their heads around the Written Scheme of Examination which is what I am mainly involved with. I get to see these on a weekly basis as I input the information onto the database. I do hope that the articles in the August 2013 and February 2014 issues of the newsletter helped in some way towards an understanding of what is required on these forms.

As of June this year, I have received over 2500 of these forms. What is interesting, as I look at them, is that I can see the trend towards commercial built boilers, and at what rate new locos/traction engines are being constructed. While thinking about boilers, can I ask you all please to make sure that all boilers have some form of ID etched or stamped on them, otherwise it makes it extremely difficult to trace the model back to its owner or club if something should happen to it. On a similar theme, would it be possible to put onto all new home-manufactured boilers the club number, as part of the ID, when the boiler comes up for its shell test.

I had a question recently from one club, about testing boilers, where the boiler inspector refused to give a boiler a

shell test as he had not seen it during its stages of construction. This boiler had been constructed in the early nineties, to a well known design, and by a competent boiler maker, and had not been used. The owner wanted the boiler checked out to see if it was worth continuing with the construction of the loco. I am certain there are many projects in the back of workshops in a similar situation. Anyway, I was able to refer him to the relevant passage from the Green Book section 6.2 line 1.

This could have been very off-putting for a possible new member who wanted to join a club with a model he had just completed. I know they should have joined a club first and got some advice but, human nature being what it is, model engineers seem to want to have something to show before they join a club. I know I did but, years ago, the rules were simpler.

Concerning the WSOEs - there seems to be a misunderstanding about the requirements and when to fill one in. They are not tied in with any test at all. The boiler in question does not even have to have any current up-to-date paperwork. The form can be filled in anytime but, if your boiler is using the new-style paperwork, it requires a WSOE number (in the top right-hand corner

Continued on page 6

SOUTHERN FEDERATION SPRING RALLY: BIRMINGHAM SOCIETY OF MODEL ENGINEERS WAS HELD MAY 17/18TH 2014

This report of the Southern Federation Spring Rally is courtesy of David Mayall who attended and very kindly reported on the rally.

This year the Southern Federation Spring Rally was held at the Birmingham Society's site at Illshaw Heath over the weekend 17/18 May.

The rally was blessed with extremely good weather. The previous weekend had been very wet and the area our hosts usually use for pitching the caravanning visitors was unsuitable. Fortunately, as only a few vans were expected, we were sited along and adjacent to the ground level track, instead of in the usual grassy field. In all, five caravans arrived during the afternoon of Friday 16 May.

Mr John Walker, who had arranged and organised the rally on behalf of the Club, arranged for us caravanners to adjourn to one of the local hostelrys for our evening meal. All ten of us spent a very enjoyable time over our meal before returning to sit outside our vans with a drink and more chat.

Saturday was another bright and sunny day which turned out extremely warm as the day wore on.

Visiting locomotives started arriving about 9.30 and in all 22 locos were booked in for the raised and ground level tracks. There was a good variety from nine different clubs, including The Orchard Line, Leeds Society, Bracknell, Elmdon, Coventry, Worcester, NW Leicester and Peterborough. Everyone seemed to enjoy the day and had plenty of running time.

For those who wished to partake, a local restaurant had been requested to supply a fish and chip supper – again planned by

John Walker. There was a lot of banter as we enjoyed our meal and remembered the very good day we had just spent.

Yet again, Sunday turned out to be lovely and sunny. Several people had a morning run and were able to enjoy a quieter track, and a nice 5" Crab turned up. The owner had travelled up from Romney Marsh in Kent for the day!

Ed. Unfortunately we do not have the names of the participants in the rally

Photos by David Mayall, our Boiler Registrar



Great Western on the small gauge railway



Raising steam—just love that sign!



Lovely loco but what is behind, is this a model or the real thing? Answer next issue!

A lovely Fowler 2F dock tank dating from 1925, the full size one that is.

If the fine chap in the picture would like to email me I will be happy to give him full credit in the next issue



GUILDFORD MODEL ENGINEERING SOCIETY HOSTS THE SWEET PEA RALLY JUNE 14/15



We have but some photos of this event, next year we must get a write up on the whole thing!

Top Sweet William, 'Lady May' by Dave Holland, Northampton SME, Best turned out loco of the rally.

Top Right Don & Phil, Sweet William, best turned out loco at the rally

Bottom Left John Ollerenshaw, Sweet Sue.

Bottom Right Ron Smith Clara



GUIDANCE SHEETS

These guidance sheets are still available but are in the process of being reviewed and made a little more user friendly through the website. The content is written within the framework of the requirements indicated in the booklet *Passenger Carrying Miniature Railways, Guidance on Safe Practice (HSG 216)* issued by the Health and Safety Executive. A copy of this publication can be purchased from the Southern Federation. The following Guidance Sheets can be downloaded from our website www.sfmes.co.uk:

No.	Description	Date
Index		January 2014
1	An Inspector calls	October 2011
2	Passenger trolley gap covers	October 2011
3	Derailments, elevated track	October 2011
4	Derailments, ground level track	October 2013
5	Runaways and breakaways	January 2014
6	Safety Management Systems (SMS)	January 2014

BOILER REGISTRAR'S REPORT

under the Certificate number) to be correct so get one from your boiler inspector. I know the Northern Association are working to a slightly different time-scale but the Southern Federation require a WSOE from the first test after the introduction of the

new paperwork which was early in 2013. Working to this schedule, all boilers of affiliated Southern Federation clubs should by now have one.

David J Mayall

Boiler Registrar

THE OTHER WORLD

One of the criticisms we hear is the dominance of railway locomotives over other aspects of modelled engineering. Looking back over very old copies of the Model Engineer we can see articles on traction engines, electric motors, ships and a wide variety of experimentation.

So to widen our vision I have permission to show you the previous year's report on one of the events show in the Diary of events. This year the date is July 20.

"In contrast to last year the Durrington Show and Vehicle Gathering was held in glorious sunshine and the miniature steam exhibitors were glad to be sited under some trees in the shade. Fourteen engines were present, three on our display stand and the rest in steam, some slowly driving around the site giving rides to eager children and their parents alike while others remained stationary but running for the public to view up close, as usual much interest was shown and many questions asked including the usual "How much is that worth?" shortly followed by How much!". Two engines of interest entered by non club members were a very well presented Ruston Proctor Farm Tractor in 4" scale and based on an actual engine that only weighed 3½ tons made this a small engine for its scale. The second engine was a 3" Marshall Traction Engine modelled on a 6hp general purpose engine, again well built and hauling its owner around the site with ease

Because of the weather most classes of exhibits doubled in size from the programme entries, for example 106 cars were listed but in excess of over 300 turned up, over 70 motorcycles arrived from the 38 listed, commercials and tractors followed a similar pattern, I think they call it the "Sunshine effect".

Trade stands and car boot sales reported a "very good day" with many already booking for next year's event, and the word from the massive public support was the best Durrington Show so far".

With thanks to Martyn Jones, THE SARUM MODEL TRACTION ENGINE CLUB



Founder Members

Applications to join the new company Limited by Guarantee are pouring in, don't miss out on being a 'Founder' member

For further details go to our website www.sfmcs.co.uk

WHAT IS SILVER STEEL?

"Silver Steel is a High Carbon bright steel" that was reputedly first produced by Peter Stubbs around 1880. Peter Stubbs was a file manufacturer who built a reputation for quality and by the early nineteenth century was exporting to Europe and the Americas. The business expanded into the manufacture of other tools, in particular for the watch and clock industry and it is probably this that led to the development of Silver Steel.

At first fractional sizes were manufactured followed by Stubbs' introduction of a wire gauge, the sizes being defined in Numbers and Letters. It gained international acceptance also being adopted for drills. The smallest size, No. 80, measures only 0.0135".

Stubs became the generic name for Silver Steel but several other manufacturers followed suit. In 1947 a British Standard 1407 was issued. It was revised in 1959 and again in 1970 when metric sizes were added.

	Tolerances	10% brine	
Rounds			Tempering
Fractional Sizes			Soak for at least 1 hour at the under mentioned temperature
Below 1"	plus and minus 0.00025"	150 C	to obtain 64/66 Rockwell C200 C
1" and over	plus and minus 0.00052"	250 C	to obtain 62/64 Rockwell C
Metric Sizes		300 C	to obtain 58/60 Rockwell C
Below 25mm	plus 0.000mm minus 0.010mm		to obtain 54/56 Rockwell C
Above 25mm	plus 0.000mm minus 0.020mm		
Squares			
All Sizes	plus and minus 0.001"		
	Standard Lengths		Analysis
13"	78"		Carbon 1.10% - 1.20% Manganese 0.30% - 0.40%
330mm	2 Metres		Silicon 0.10% - 0.25% Sulphur 0.35% Max
	Heat Treatment		Phosphorus 0.35% Max Chromium 0.40% - 0.50%
	For maximum hardness (66 Rockwell C) heat to 770/790 degrees C Quench in water or preferably		

With thanks to Brian Newman

. .and more from the Sarum Model Traction Engine Club

Sarum Steam & Classic Transport Gala

The Sarum model traction engine club with the help of Salisbury rugby club are holding the Sarum steam and classic transport Gala at the Salisbury rugby club, Castle road, Salisbury. It will be Saturday the 2nd and Sunday the 3rd of August 2014. It will be open 10.30 - 4.30 pm each day. This event is in aid of local charities and is FREE admission to the public.

Exhibits will include classic vehicles of all ages, model steam engines, fairground attractions, trade stands,

arts and crafts including some country market stalls and a car boot.

Enquires from 01980 610346 or club web site <http://www.sarummodeltractionengineclub.co.uk/>.

Any one with model steam is welcome, coal and water supplied camping on site, also evening entertainment for exhibitors.

The Mayor of Salisbury will be opening the show on Saturday morning.

Thanks to our membership Secretary and Computer Guru for finding this delightful little poem.

Yes, I remember Adlestrop –
The name, because one afternoon
Of heat the express-train drew up there
Unwontedly. It was late June.

The steam hissed. Someone cleared his throat.
No one left and no one came
On the bare platform. What I saw
Was Adlestrop -- only the name

And willows, willow-herb, and grass,
And meadowsweet, and haycocks dry,
No whit less still and lonely fair
Than the high cloudlets in the sky.

And for that minute a blackbird sang
Close by, and round him, mistier,
Farther and farther, all the birds
Of Oxfordshire and Gloucestershire.
Edward Thomas (1878–1917)

Southern Federation Insurance Scheme

We are delighted to recently have been appointed to arrange the Southern Federation's insurance scheme and we look forward to working with everyone. Clubs and Societies should by now have received an information pack detailing the transitional arrangements.

For the first year only it will be necessary for those clubs, societies and members who have their policy via the Southern Federation scheme, to complete a fresh proposal form. For miniature traction engines and other road vehicles up to 6in scale you need Model Road Steam Insurance. For locomotives, rolling stock, boats and other models you need Southern Federation Members Insurance. Both policies include the facility to insure Road Trailers, Personal Accident, Home Workshops, Products Liability and Garden Railways & Portable Tracks

Cover is also available for Commercial Miniature Railways, Vintage Tractors, Modelling & Model Engineering Businesses, Stationary Engines, full size Traction Engines, Memorabilia Collectables & Bygones and a special policy for vans used for Social Domestic and Pleasure

plus we can quote for your Home Buildings and Contents Insurance your Car Insurance and Business Insurance

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southernfed@walkermidgley.co.uk
www.walkermidgley.co.uk

PUBLICATIONS AVAILABLE FROM THE SOUTHERN FEDERATION

Availability

From our stand at rallies and exhibitions or by post from David Mayall.	From Our Stand	By Post
Examination & Testing of Miniature Steam Boilers BTC 2012 - Green Book.....	£0.50	£1.25
Pack of 5.....	£2.50	£3.20
HSG216 Passenger-carrying miniature railways 'Guidance on safe practice'	£3.00	£4.50
Boiler Test Certificates - Pad of 50.....	£5.00	£7.50
Written Scheme of Examination - Pad of 50.....	£5.00	£7.50
Small Boiler Test Certificate - Pad of 50.....	£5.00	£8.00
Boiler History Record Card - Pack of 10.....	£1.00	£2.20
Plastic wallets to hold certificates size A5.....	£0.60	£1.25
Pack of 5.....	£3.00	£4.50

Please make cheques payable to *Southern Federation MES*; if by post please send to:
David Mayall

9, Parsons Close
Church Crookham
Fleet
Hampshire GU52 6HL

Postal Charges

Following very large increases in the postal charges for packages from April 2nd 2013, if you require more than one item please contact David Mayall first for advice concerning the postal charges



SOUTHERN FEDERATION COMMITTEE

CHAIRMAN

Brent Hudson

SECRETARY

Peter Squire

TREASURER

Norman Rogers

MEMBERSHIP SECRETARY

Martin Baker

BOILER REGISTRAR

David Mayall

SAFETY OFFICER

Robert Walker

NEWSLETTER EDITOR

David Goyder

VULNERABLE GROUPS

Roger Griffiths

COMMITTEE MEMBERS

Mike Chrisp, Bob Polly and Ivan Hurst

INSURANCE CLAIMS AND INCIDENTS

All claims and reports of incidents should be notified in the first instance to Walker Midgley..

FEDERATION SALES

Boiler forms etc from David Mayall, the rest from Ivan Hurst.

FEDERATION

INSURANCE BUSINESS

Managed by Walker Midgley Insurance Ltd

Committee members' details, addresses, telephone numbers and E-mail addresses will be found on the Southern Federation web site www.sfmcs.co.uk

We're
on the Web

www.sfmcs.co.uk

If you would like your event to be shown in our Diary of Events please send details to the Newsletter Editor (e-mail address on page 1). Events should be restricted to invitation events for model engineers, NOT for public running days.

DIARY OF EVENTS 2014

July 5/6	*Guildford Model Engineering Society Rally & Exhibition
July 12/13	IMLEC at Bournemouth & District Society of Model Engineers
July 20	Durrington Village Show and Classic Vehicle Gathering.
July 26/27	City of Oxford Model Engineering Society Dreaming Spires.
August 2/3	The Sarum Steam and Classic Transport Gala.
August 2	3 1/2" Rally at Southampton
August 15/16/17	*Bristol Model Engineering Exhibition.
August 23/24/25	Ryedale Society of Model Engineers August Rally
August 23/24	Harrow & Wembley S.M.E. Open Weekend
September 13	Polly Owners Group Rally at Derby SMEE
September 13/14	Open Weekend at Southampton
September 20/21	*SOUTHERN FEDERATION AUTUMN RALLY at Leeds SME
October 4	Welling & District MES Locomotive & Gauge One Rally.
October 16/17/18/19	*Midlands Model Engineering Exhibition at The Fosse, Leamington Spa
December 12/13/14	*Model Engineer Exhibition Sandown Park.
2015	
January 16-18	*London Model Engineering Exhibition—Alexandra Palace

Please note that this is a sample of events and the better source is the SFMES website www.sfmcs.co.uk We will have a think about the diary for the next edition, Ed

The Federation sales stand will be present at events identified thus *



SOUTHERN FEDERATION
of
MODEL ENGINEERING SOCIETIES
Established 1970 by Model Engineers for Model Engineers
www.sfmes.co.uk



Southern Federation and Polly Model Engineering Award

This award is made to a young person or persons who can be shown to have acquired the necessary skills in the use of metal-working hand tools and/or machinery, and the appropriate materials, to create a model or piece of workshop equipment/tooling—complete or otherwise. (See rules overleaf) Whilst pursuance of excellence by those in their late teens/early twenties is to be promoted, equally work by youngsters making their first steps in our wonderful hobby is also to be encouraged. Participation in club/society activities is advantageous.

Nominating Club/Society

Name of Nominee

Give brief details of the modelling activities of the nominee (Please supply photographic evidence)

.....

.....

.....

Is this the sole work of the nominee? YES / NO If not please give details (Supervisory input is permitted)

.....

Is the nominee an active member of your club/society? YES / NO

Give a brief outline of his/her involvement in club activities.

.....

.....

.....

Additional space for comments/details overleaf

For and on behalf of the club / society

Signed Name

(Block capitals please)

Position in club / society Date

Nominations must be received by 17th January 2014

Please return to: Ivan Hurst, 16 Cypress Grove, ASH VALE, Guildford, Surrey GU12 5QN.

Additional comments/details ...

Southern Federation Trophy and Polly Model Engineering Ltd Prize.

Rules.

- 1. Awarded with the aim of encouraging young persons to participate in the model engineering hobby with particular emphasis with regard to acquiring the necessary skills and the use of appropriate materials, metalworking tools and machinery. Also, to encourage active participation in the fraternity of club membership.
- 2. The person(s) nominated shall be 24 years of age or younger at the date of nomination.
- 3. The nominees shall be nominated by a club affiliated to the Southern Federation of Model Engineering Societies and shall be an active member of that club.
- 4. It will be demonstrated through both photographic and written evidence, that the person nominated has produced a model, workshop equipment/tooling or other mechanical item usually associated with the hobby (e.g. clock) in whole or in part, which has been constructed/fabricated by the use of metalworking hand tools or machinery to be found in the home or school workshop. Items specified as above built in commercial/college/ work environment as by way of 'apprentice pieces' are also acceptable.
- 5. The model/piece will have been the work of the nominee excepting for commercial fittings, bought in components, etc which are normally accepted to be purchased. It is accepted that some supervisory input may have been involved.
- 6. Nominations shall also show active participation by the nominee(s) in his/her club's activities.
- 7. Nominations shall be judged by the Committee of the Southern Federation of Model Engineering Societies.
- 8. The winner(s) will receive a prize donated by Polly Model Engineering Ltd. additionally, the winner(s) will receive a Southern Federation Trophy, suitable inscribed, which shall be retained.
- 9. The award(s) will be presented at the Southern Federation AGM, to which, it is hoped, the recipient(s) will be encouraged to attend.