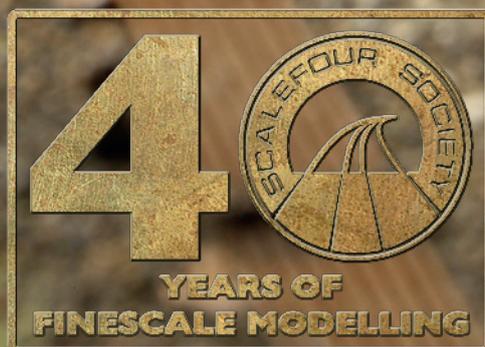




SCALEFORUM 2016 EXHIBITION GUIDE



Scaleforum 2016

Stoke Mandeville Stadium
Stadium Approach
Mandeville Road
Aylesbury
HP21 9PP

Saturday 24th September 2016 10.30am – 5.30pm
(Advance ticket holders from 10.15am)
Sunday 25th September 2016 10.00am – 4.30pm
(Advance ticket holders from 9.45am)



Welcome to *Scaleforum* 2016 and to the Scalefour Society's flagship show. As in previous years we are pleased to bring you some of the best in 4mm scale railway modelling and you can be assured that as always we will have the careful mix of layouts, demonstrators and traders for which *Scaleforum* has always been renowned. Our spacious venue has everything on one level and there is space to stop and admire the layouts and even have a chat as well.

The organizing team hope that you will have a very enjoyable time at the exhibition. Layouts on display cover a wide time frame from the pre-Grouping era to the more contemporary scene and this year, being the 40th anniversary of the founding of the Society, sees a special section devoted to aspects of the Society's history.

While *Scaleforum* is organized primarily for the members of the Society, we welcome the many visitors who are not members and hope that you will find much of interest. For those who may be interested in joining the Society the Membership desk will be found in the Society area near the main entrance to the hall. Anyone who joins at the show will get a reduced admission fee.

We aim to provide an opportunity for all those who are interested in model railways to meet, talk, exchange ideas and be impressed by the high standard of modelling on display. To encourage discussion there are no barriers around the layouts so please feel free to talk to layout operators and to those who are demonstrating, since sharing information is what the show is about.

Memory corner

It is now 40 years since the Scalefour Society was established and 50 years since the initial concepts of the Protofour Standards were published. In view of this, *Scaleforum* 2016 will feature a pre-history corner which will include some vintage P4 models and archive material from the Society's history. The display, which is being co-ordinated by former Society President and long-standing model maker Iain Rice, will include a section of the *East Suffolk Light Railway*, a layout which dates back to the early days of the Society and is probably one of the oldest P4 layouts still in existence. This display will be a fascinating reminder of the early days of finescale model making at a period when such recent developments as laser cutting and



Barry Luck's Plumpton Green, a beautiful rendition of an LBSCR station in the early part of the last century, was awarded the York Trophy for the most entertaining layout at Scaleforum 2015.

3D printing were not even a gleam in the eye of the manufacturers.

General information

The show is all on one level which will make it easier to find everything and to move around. All the exhibits will be found in the main hall with refreshments found in the café just off the entrance foyer. For those who want a seat, there are chairs and tables around the hall and also please feel free to use the viewing gallery which is accessible by a lift and stairs near the main entrance.

Name badges

Printed name badges are available for any Society member who requires one. To obtain a badge please contact the Membership Secretary, Steve Carter, in advance of the exhibition to order your badge and collect it from the Membership Secretary's stand when you arrive.

Guidance and security

The exhibition help desk will be found next to the Scalefour Society stand near the main entrance, and this should be the first point of call for anyone who has queries about the show or where to find a stand. Committee members and the organizing team will be wearing name badges. Stewards will be found around the exhibition and can be identified by blue tabards. If you need help, directions, or have an emergency please ask at the help desk, any steward, or anyone with a name badge. Please look after your own coats and bags and report anything suspicious to the help desk, any steward, or anyone with a name badge.

First aid will be provided by the Stadium staff. In the event that this is needed, please ask at the help desk, any steward, or anyone with a name badge.



By popular request, tables and chairs will be provided throughout the venue at this year's Scaleforum to sit down, chat with friends, make new ones, show off recently completed models or rest those aching legs!



Friends' meeting place: Nicole and Michael Godfrey, and Philip Hall at last year's Scaleforum. Known for his track-building treatises in Scalefour News, Michael will be making the trip from Australia again to attend this year's event.

disabilities we would ask that anyone who uses a backpack to carry this, in

A public address system will be in operation and can be used to relay urgent messages. If you need to get a message to someone please ask at the help desk or the Society area.

Photography is permitted but please ask the layout operators or anyone else before taking pictures. Please note that the use of tripods is restricted to the official photographers working on behalf of the Society and accredited magazine staff only. We would ask that photographers ensure that their activities do not restrict the viewing of layouts by visitors.

Accessibility The building was designed for use by athletes who use wheelchairs or have other mobility difficulties and is all on one level. There is good provision for toilets for those with disabilities. Wheelchair users who may not be able to see all the layouts clearly will be admitted at the same rate as for Society members. Carers who assist people who have registered disabilities will be admitted to the exhibition free of charge. In order to give care to those with disabilities in order to avoid the risk of harm to wheelchair users.

Smoking is not permitted anywhere in the Stadium building.

Acknowledgements

The organizing team wish to thank all those Society members and our guests who have brought layouts along or who have put on demonstrations and the staff of the Stoke Mandeville Stadium for their support in staging this event. We would also like to thank the Committee of the Scalefour Society for their support in the planning leading up to the event.



Appreciating other scales and gauges: Richard Chown's Fangfoss, built to ScaleSeven/Proto43.5 standards, was the Guest Layout at Scaleforum 2015. Scalefour Statesman, Jim Summers, operates while our photographer in residence, Tim Venton, captures the moment.

Front cover picture of Sidmouth by Barry Norman/Cygnets Magazines Ltd

Scalefour Society Area



The Society area is the place where you will find members of the Committee, so if you are already a member do stop to have a chat. We will be pleased to deal with any queries that you might have or suggestions about how the Society is run and how we might do things better. If you are not a member come and talk to us anyway, find out what the Society is all about and the benefits of membership. More importantly, if you have any queries about any aspect of railway modelling this is the first port of call to ask for assistance. If we cannot help immediately we will point you in the direction of someone who can.

In the Society area you will find our Membership Secretary, Steve Carter, who will be pleased to tell you all about membership, deal with queries from existing members and enrol new members.

Left: Steve Carter behind the Society stand
Photo: James Dickie

The Competitions



Ex-LNER 62418 The Pirate,
Photo: Philip Hall

The Deputy Chairman's Cup aims to encourage technical innovation in railway modelling. The award will be made to an individual or to a company who, in the opinion of the judges, has produced an innovation, device, jig, or other modelling aid that enhances or improves railway modelling or makes a process easier, quicker or more accurate. Details of the entries for this event will be in the Society area.

The Members' Showcase will be found in the Society area and allows members to display models that they do not wish to enter into a competition. Any member of the Society can put models on display.

The Eileen's Emporium prize is sponsored by Derek Russan of Eileen's Emporium and will be awarded for the best example of a scratchbuilt model of any type seen at the show and will consist of a £50 voucher to be spent at Eileen's Emporium. Entries may be made at *Scaleforum* and may be a model that has been entered for another competition, a model on a layout, on a demonstration stand or anywhere else within the show. The model should be essentially scratch built from any materials but the use of bought-in items such as wheels is permitted. The judges will be looking for the item that best exemplifies the Society's approach to finescale modelling.

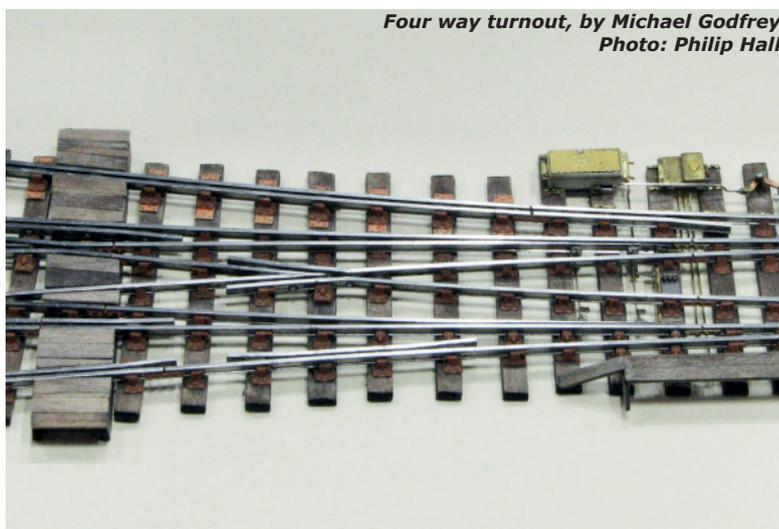
The Model Railway Journal Chalice was established in 1986 to mark the Society's tenth anniversary and is awarded by Cygnet Magazines. No formal entry is required as the judges, who are appointed by *MRJ*, will select the winner from anywhere in the show, on a layout, from one of the trade stands, demonstrators or another competition. The judges will be seeking models which show excellence in 4mm scale modelling.

The York Trophy is presented in memory of the late Ken York and is awarded to the layout which, in the opinion of those attending, is the most interesting or gives the most pleasure. This means exactly what it says and does not necessarily mean the best technically or the best modelled layout. Therefore an incomplete or beginner's layout has as much chance of winning as one which is complete or well established. The trophy will be awarded to the layout gaining the most votes from the visiting public.

Please take time to cast your vote on the form issued to you on your arrival.



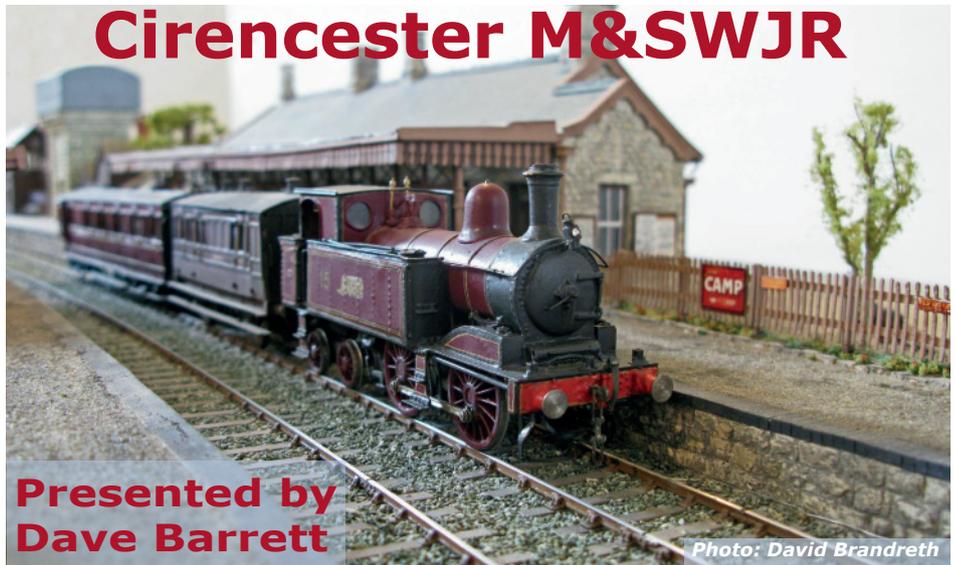
Early weedkilling train
Photo: Philip Hall



Four way turnout, by Michael Godfrey
Photo: Philip Hall

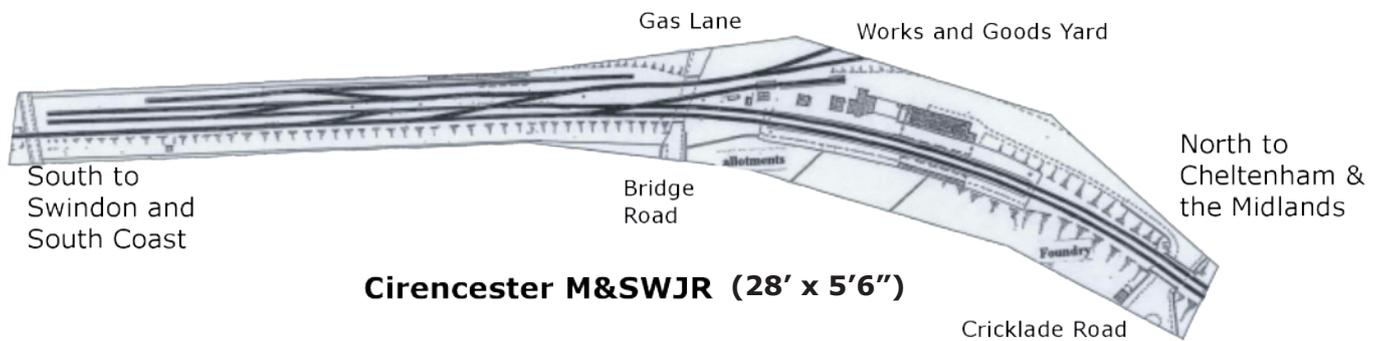
We welcome to *Scaleforum* Dave Barrett with his model of *Cirencester* located on the rarely-modelled Midland and South Western Junction Railway. This line was a joint enterprise between the Midland and the London and South Western Railway and ran between Cheltenham and Southampton. The period modelled is just after the end of World War One.

A variety of traffic used the line with freight and through coaches from the Midlands to the South Coast. The M&SWJ was often short of funds and resorted to borrowing stock and locos from the MR, the LSWR and even the GWR. This gives an excuse to run a wide variety of stock. The railway works for the line were located behind the station, together with the goods shed, wagon workshop and loco shed. These have yet to be built but will come in time.

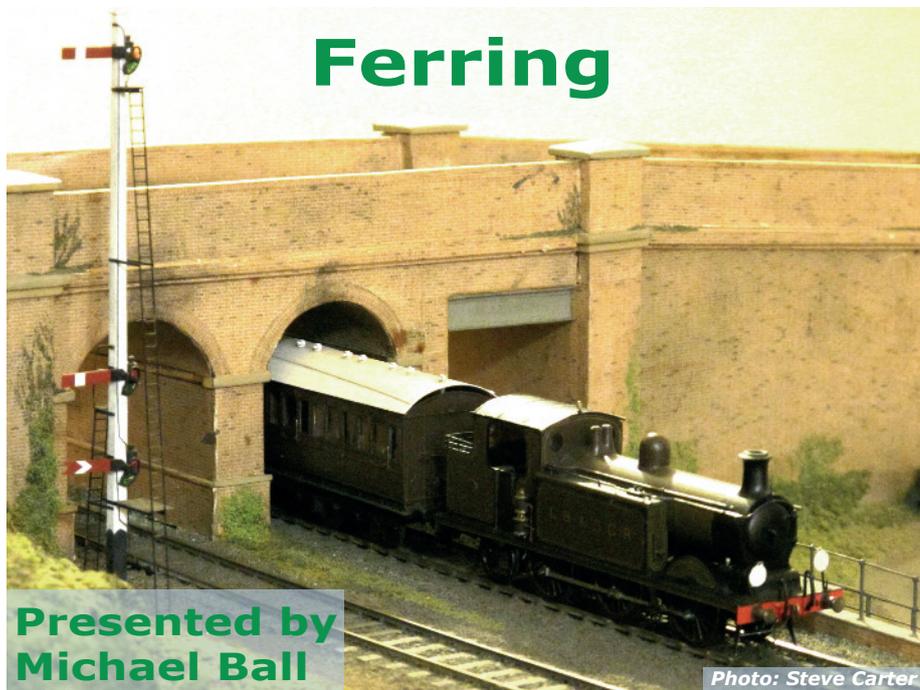


Presented by Dave Barrett

Photo: David Brandreth



Cirencester M&SWJR (28' x 5'6")



Ferring

Presented by Michael Ball

Photo: Steve Carter

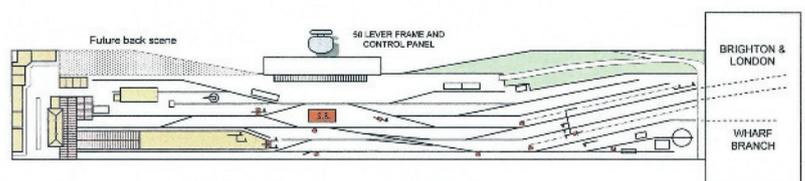
Ferring is an example of a very early layout built to P4 standards and was started before the Scalefour Society was even formed. The layout represents a fictional branch off the Brighton to Portsmouth South Coast line in West Sussex a few miles west of Worthing. The layout depicts the typical practice of the London Brighton and South Coast Railway as it existed in 1911 with many of the buildings based on actual prototypes with the impressive signal box based on the one at Eastbourne, the water tank house from Dorking and the goods shed from Epsom Town. The layout is fully signalled, including ground signals, and these and the turnouts are worked from an impressive 50-lever frame.

Rolling stock is mainly constructed from kits, and locos can be seen in the Marsh umber livery for passenger locos with black for freight locos whilst some passenger locos can still be seen in Mr Stroudley's 'Improved Engine Green' yellow ochre colour.

Ferring has been under construction for many years and at each outing there is something new to see. For *Scaleforum* Michael has promised to finish the goods shed!

Ferring measures 32' x 7'6".

FERRING LONDON BRIGHTON & SOUTH COAST RAILWAY c.1911



Green Street

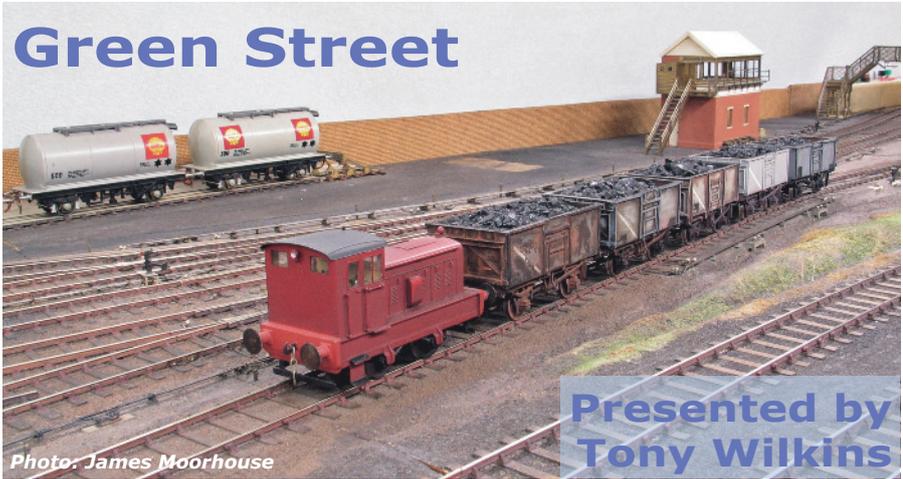


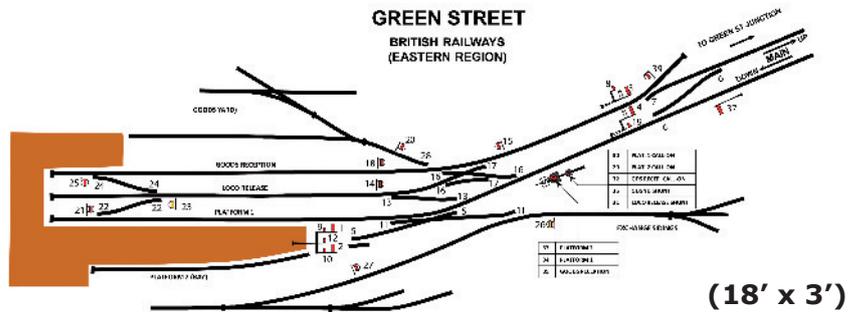
Photo: James Moorhouse

Presented by Tony Wilkins

Green Street is a layout that has been under construction for many years and was originally conceived in the late 1970s as a minimum space layout, with as much track as could be reasonably fitted into the space available. The concept developed into a busy terminus at the end of a short branch somewhere off the Great Eastern Lea Valley Line (north-east London), as it might have been in the mid 1960s. Built to Scalefour standards the rolling stock is a mixture of converted/modified proprietary and kits. Couplings are a mix of 3-link and Alex Jackson. All the trackwork is of nickel silver rail using Brook Smith soldered ply and rivet construction utilizing original P4 or hand-drawn templates. Although construction of the layout is well advanced, much still needs to be done.

Some scenery is present as are several of the structures, being generally scratchbuilt of plastic or brass. The specification for the electrics necessitated a somewhat complex arrangement as all the switching is done locally by relays and only thin control and return wires connect to the control panels, which also incorporate a mimic display of the point and signal settings. Although full interlocking will be incorporated this is still on the 'to do' list at present and the layout has currently to be operated as 'Cab control' in manual mode. Many of the signals work, including the ground signals. The timetable represents a Saturday morning, as a 5½ day week was still common then, which takes around 3 hours to complete.

Although originally intended as a personal project, the layout was adopted early on by the Central London Area Group, better known as CLAG. Much was learned from those experiences, many of which can be found documented on the CLAG website. Tony is most grateful to his former CLAG colleagues without whose help the layout would never have got this far, but a move to Nottinghamshire and consequent change of house mean that it is exhibited here with the help of fellow Nottingham Area Group members.



Lee-on-the-Solent was one of the earliest layouts built to P4 standards to appear on the exhibition circuit. The layout was originally built by a professional model maker, Colin Hayward, as a result of taking a school party on a historical visit to the area. The layout was first shown at the South Hampshire Railway Modellers exhibition in October 1981. Colin kindly donated the layout to the East Hampshire Area Group of the Scalefour Society in 1993 and since then, a number of modifications have been made by various members.

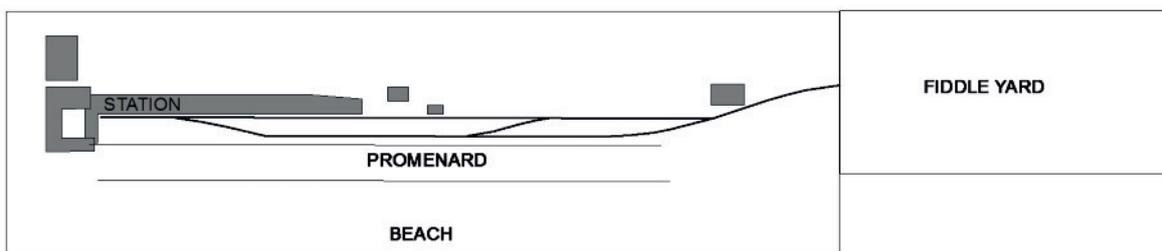


Photo: Ian Everett

Presented by the South Hants Area Group

The layout today is presented around the time of Grouping (1923) allowing both LSWR and SR stock to be run. Motive power includes an ex-LBSCR D1 class tank and Terriers. All are fully compensated. Rolling stock includes Gate stock sets and various coal wagons from local merchants. In the near future, it is hoped to model the original two composite

coaches to allow representation of trains as used from opening through to 1909.



LEE-ON-THE-SOLENT (16'6" x 3'6")

Longcarse West was originally built by David Furmage for the Scalefour Society's Diesel and Electric Layout Challenge and was initially retired from the exhibition circuit in 2011 but is now under new ownership.

The layout represents a few rundown sidings in the Alloa area of Central Scotland. This was once a busy area with both the Caledonian and North British Railways building lines to tap into the local coal, glass making, brewery and distillery business. As shown, the layout is set in 1983 with BR blue diesels powering the remaining revenue-earning freight traffic along with engineers' trains but plans are in hand for a different set of locos and stock so that the layout can represent an earlier period.

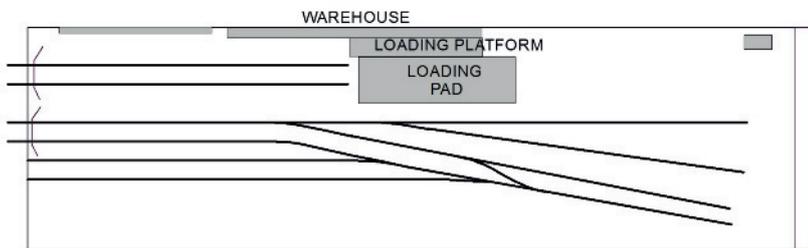
Although sufficient traffic still exists, the threat of closure is looming ever larger as local firms either turn towards road transport or shut down completely, with some sidings in the area having already been abandoned or lifted as a result of this. In addition to various wagons and vans being shunted for loading and unloading, *Longcarse West* is also used as a stabling point for locos and diesel multiple units between duties.



Photo: Simon Bendall

Presented by
Simon Bendall

The track is constructed from Exactoscale components. Locomotives are a mixture of Heljan and Bachmann converted to P4 while the majority of the stock is from Bachmann.



LONGCARSE WEST (8'6" x 1'6")

Ouse Valley Viaduct & Balcombe

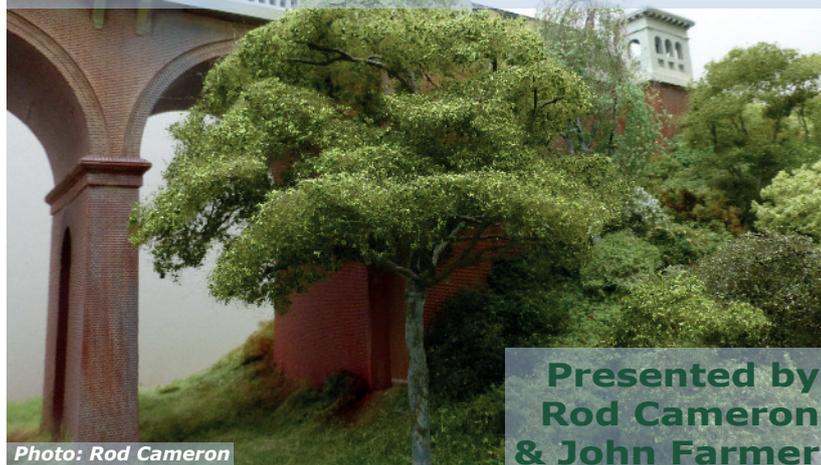


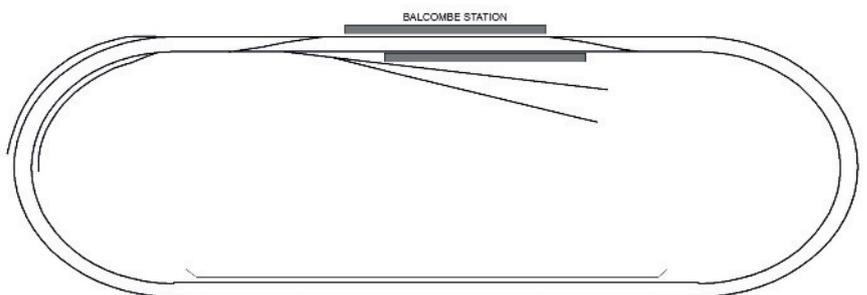
Photo: Rod Cameron

Presented by
Rod Cameron
& John Farmer

On the other side is Balcombe station, just to the north of the viaduct in reality. Development of this part of the layout is lagging behind the viaduct and it is shown as operational work-in-progress with mock-up structures and some non-running lines incomplete – life just gets in the way of things, even model railways. Balcombe is just a minor stopping point on the line, but its yard was one of the sites used as a test bed in the 1940s for the tramway overhead power subsequently used in a number of Southern Region marshalling yards in the south east. In our part of the multiverse this will continue for occasional active use.

The Ouse Valley (or Balcombe) Viaduct is one of the railway infrastructure masterpieces of the mid-19th century, and today its 37 arches still carry the intensive services on the main line between London and Brighton. The model is set on the Central Section of BR Southern Region in the 1950s/early 60s, and represents the whole viaduct to scale. This is its second showing in operational guise as part of a continuous circuit layout, although it did appear as an under-construction display at *Scaleforum* in 2011.

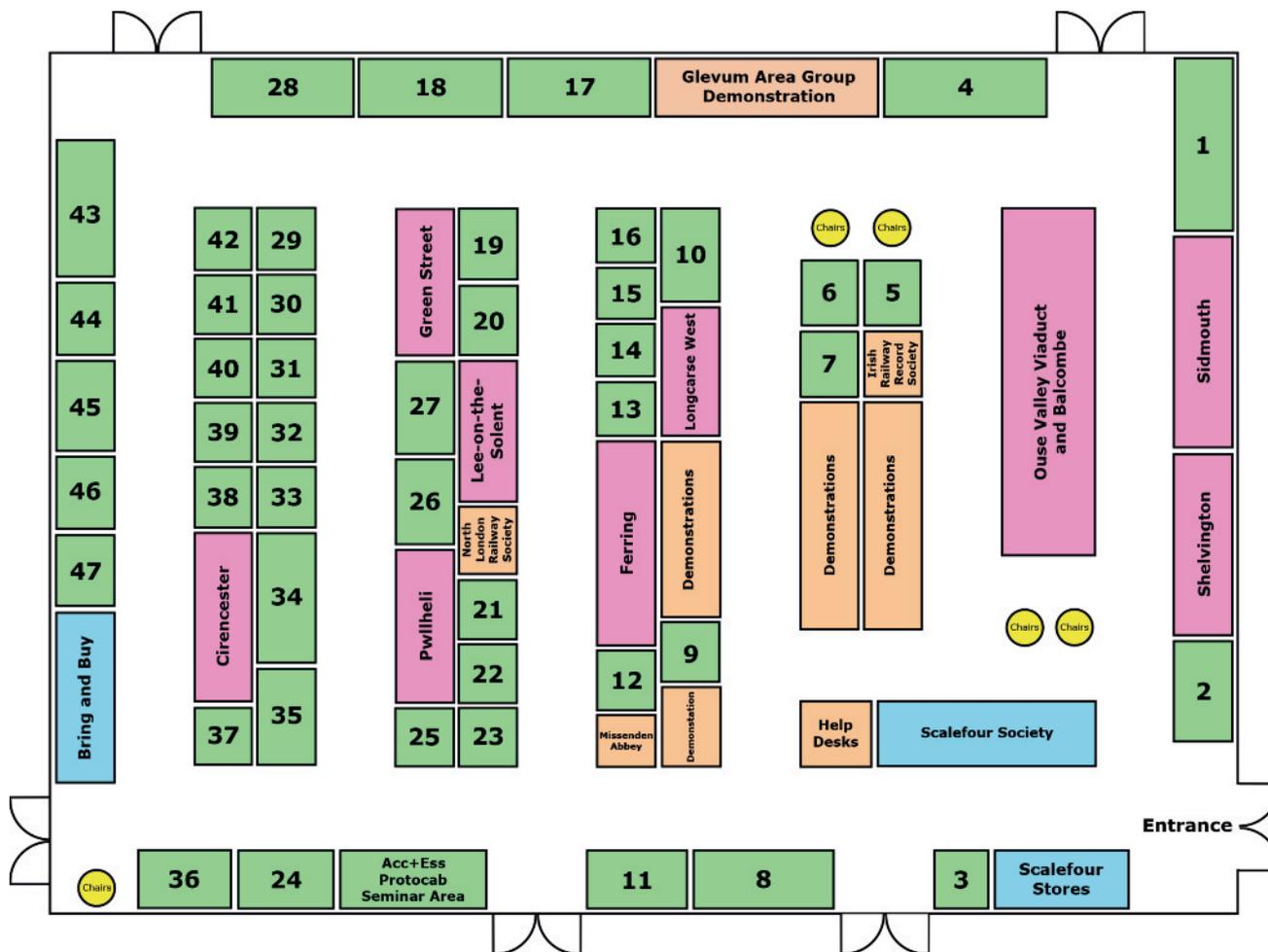
The model was designed in the absence of original drawings by ground-level measurements, counting bricks and using photographs as yardsticks. Building started in 2010, with intermittent progress since then as life got in the way, and using a variety of techniques and materials including laser cutting, etching, resin casting, 3D printing and more traditional work with timber and plastic. It is now fundamentally complete, although scenic detailing will probably continue for some time yet.



OUSE VALLEY VIADUCT & BALCOMBE (46' x 18')

Scaleforum 2016 Floorplan

An alphabetical list of traders and their stand numbers can be found on pages 15 & 16



- | | | |
|--------------------------------|---------------------------------|----------------------------------|
| 1. Cheltenham Model Centre | 17. Green Scene | 33. Coastal DCC |
| 2. Alan Gibson (Workshop) | 18. Bill Hudson Transport Books | 34. Golden Age Models |
| 3. David Geen | 19. Parkside Dundas | 35. Roger Carpenter |
| 4. Railroom Electronics | 20. Isinglass Drawings | 36. Modelu - Design, Scan, Print |
| 5. Prickley Pear Products | 21. London Road Models | 37. Judith Edge Kits |
| 6. Rumney Models | 22. Hobby Holidays | 38. GW Models |
| 7. 247 Developments | 23. ABS Models | 39. Ambis Engineering |
| 8. Wizard Models | 24. Acc+Ess Protocab | 40. Roxey Mouldings |
| 9. Tim Horn Baseboards | 25. Coopercraft | 41. Replica Railways |
| 10. Extreme Etchings/Shawplan | 26. South Eastern Finecast | 42. Gramodels |
| 11. Model Railway Developments | 27. Branchlines | 43. Eileen's Emporium |
| 12. Dart Castings | 28. Phoenix Precision Paints | 44. Cambrian Models |
| 13. High Level Kits | 29. Neil Kinison Models | 45. C&L Finescale |
| 14. Brassmasters Scale Models | 30. Wealistic Models | 46. Severn Models |
| 15. Dave Bradwell | 31. Mousa Models | 47. Wild Swan Books |
| 16. Penbits Model Railways | 32. Hedgerow Scenics | |

The Scalefour Stores

Jeremy Suter will be found with the Society's own Stores stand in the Society area. On sale will be the essential gauges necessary for accurate modelling to P4 standards along with materials for building your own track work, including filing jigs. For fans of third and fourth rail systems the Society's correct profile conductor rail and supports will be available together with other essential items for working in P4. Also on sale will be copies of the Society's two publications, the book on the building of *St Merryn*, written by members of the South London group and the book on the use of Alex Jackson couplings by Dave Booth, together with that essential item for Society members, the Society Mug. Jeremy offers a bespoke profile milling service and will be pleased to provide details on request.

Left: Jeremy Suter with the Scalefour Stores
Photo: Tim Venton



Pwllheli

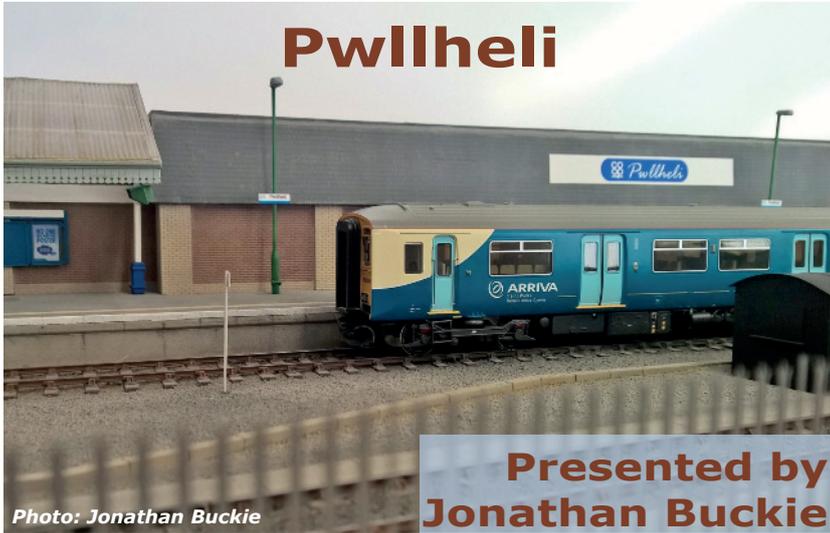


Photo: Jonathan Buckie

Presented by
Jonathan Buckie

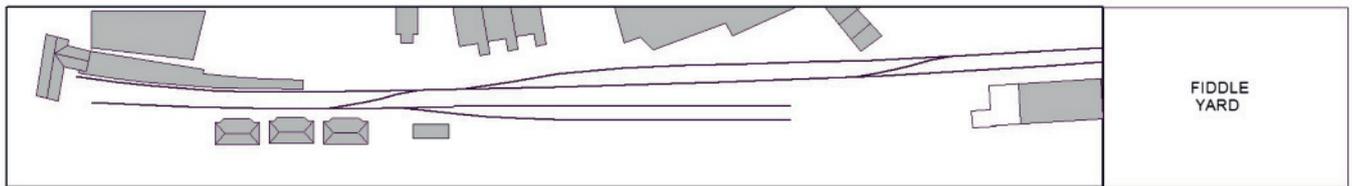
Situated in the north-west corner of Wales, on the Llyn Peninsular, Pwllheli is the northern terminus of the Cambrian Coast Railway. Eight return workings a day traverse the coastal route to Machynlleth with services continuing to Shrewsbury.

The layout is intended to give an impression of the station and its surrounding area as it appeared between 2000 and 2012 just prior to the European Railway Traffic Management System of in-cab signalling coming into operation, with a regular diesel multiple unit passenger service, interspersed with an occasional heritage rail tour or engineers' train.

Buildings and associated details have been laser cut from MDF, Rowmark and other materials using drawings created in AutoCAD. Where possible, these drawings are based on actual plans obtained through Gwynedd Council or, where these are

unavailable, from photographs or a Google street view survey.

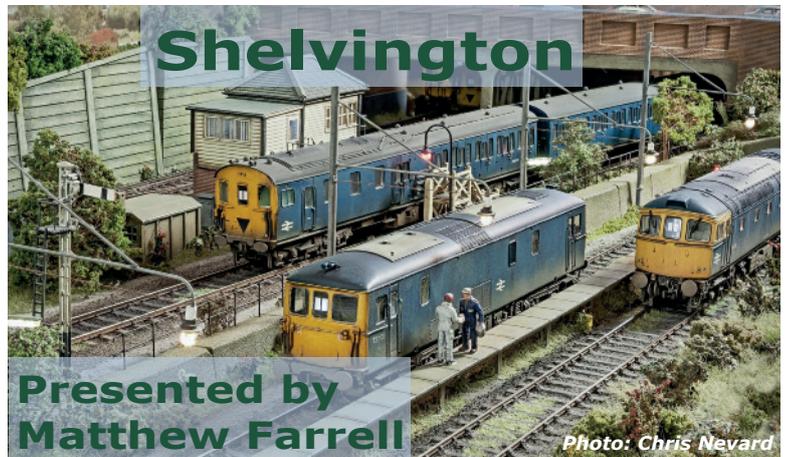
Locos and rolling stock are based on prototypes recorded as running on the line during the period modelled. These are predominately RTR models from Bachmann, Dapol, Heljan and Hornby, converted by the fitting of P4 wheels. The layout is operated by DCC using NCE equipment. Turnouts are driven by servos controlled through an ESU switch pilot servo configured for analogue input.



PWLLHELI (18' x 2')

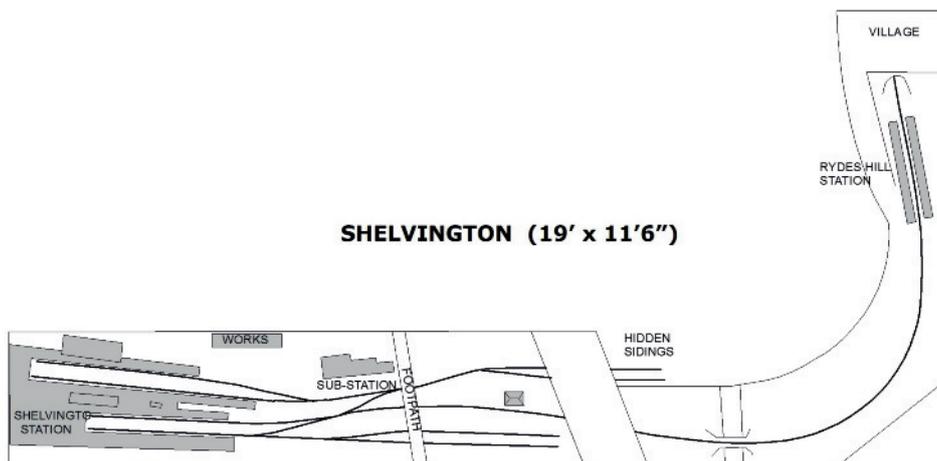
Shelvington is a fictional line set in West Surrey in the Guildford area. The layout is set in the late 1970s to early 1980s and represents an electrified line off the Portsmouth Direct line near Worplesdon. A non-electrified branch back to Guildford completes the triangle.

The layout features Matthew's fine model of a typical Southern Region electric substation seen at *Scaleforum* 2013 together with interesting models of other buildings including the allegedly forward-looking prefabricated station buildings introduced by British Rail in the period modelled. A range of typical outer suburban EMUs and DEMUs will be seen in operation including a model of a class 206 'Tadpole' multiple unit awarded the Chairman's Cup for coaching stock in 2013, together with unusual Southern vehicles on rail tours or test workings.



Presented by
Matthew Farrell

Photo: Chris Nevard



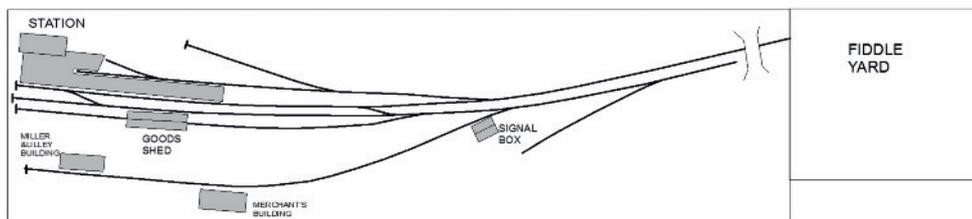
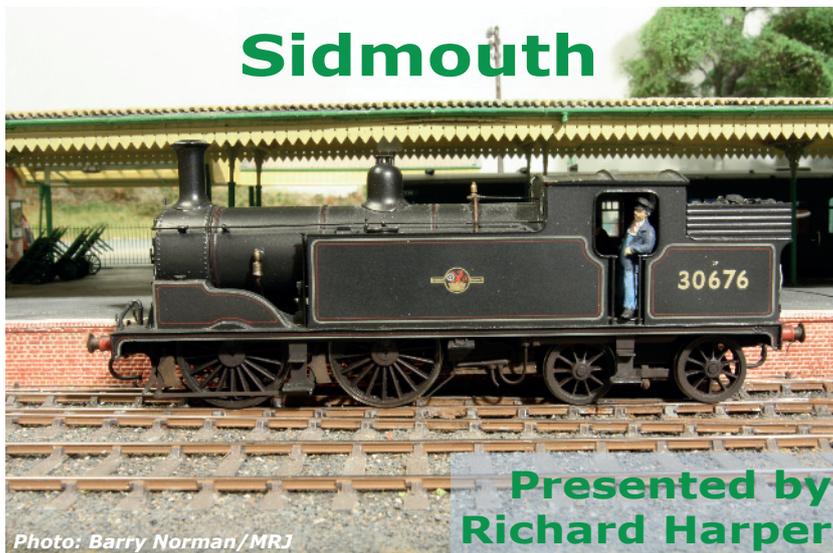
SHELVINGTON (19' x 11'6")

The prototype is the terminus of an 8¼ mile branch line that ran from Sidmouth Junction, on the former London and South Western Railway West of England main line, to Sidmouth, a seaside town in East Devon.

The model seen here represents Sidmouth as it was around summer 1959 or 1960. Viewed from the front of the layout, the line disappearing to the right would continue on to Tipton St John's, Ottery St Mary and finally Sidmouth Junction.

During the period modelled there would have been about 15 trains each way per day, including through coaches from Waterloo. For exhibition purposes the service will be rather more intensive than was ever the case in real life. Freight workings were generally limited to coal, agricultural and building products. However, a factory had been set up on the site, previously occupied by the Gas Works, by J.P.White Motor Caravans, to fit out Volkswagen vans and produce the ubiquitous Campers or Caravanettes. Base vehicles were imported via Ramsgate and delivered to the works in ex-SR and BR CCT vans. At its height the company was fitting out about 1000 vehicles per year.

The track layout is modelled exactly to scale except that the sidings feeding the J.P.White works have been re-aligned and shortened. The headshunt has been shortened too. Some changes have been made to the topography, and the road bridge at the fiddleyard end is much closer to the station than was the case, in order to provide a convenient scenic break. All buildings are scratchbuilt using drawings and photographs obtained from a number of sources.



SIDMOUTH (26' x 4')

Demonstrations and Helpdesks

This year we have again included an extended demonstration area where most aspects of railway modelling will be covered. Some demonstrations will cover all the work involved in modelling a particular period whilst others will cover more specific topics.

The Committee at Work

As something a bit different this year, we have persuaded some of the Society's committee members to show that they do actually get around to some model making!

Chairman John Chambers will be showing his methods for constructing wagons of his chosen early-BR period using a range of kits from different suppliers.

Paul Willis, Deputy Chairman, will be also demonstration his wagon building techniques for the pre-Grouping period and we can expect to see quite a lot of models of Paul's favourite Great Eastern Railway.

Society Treasurer, Chris Mitton, will be taking a break from his responsibilities of keeping the Society's finances in good order and will be demonstrating aspects of modelling the rarely seen LNER.

Modelling the Diesel and Electric era

The growing interest in the diesel and electric era reflects the interests of railway modellers of the more recent generations, although not exclusively so. We welcome Pete Degnan and Bill Wilson who will be showing what is involved in modelling the contemporary railway scene. Both Pete and Bill will be bringing with them parts of their own layouts under construction.

Getting started in P4

There are many hints and tips that can be gleaned by the beginner to P4 modelling from those who are more experienced and one such experienced person is Richard Simmons who will be pleased to advise those new to working to P4 standards, or



Deputy Chairman, Paul Willis, demonstrating how to get started in P4 modelling at Scalefour North earlier this year.

even those who are contemplating such a move and what to know more about what is involved. Richard's table is an essential port of call for anyone who is starting out in P4.

Loco construction

The art and craft of building model locomotives is seen by some as the pinnacle of railway modelling. Martin Finney, now retired from his business of producing fine kits for loco construction, will be explaining how he builds locos and sharing the secrets of how to achieve good results. Martin will be assisted by Tom Mallard.

Coach construction

Although there are many fine ready to run models of coaches available from the various manufacturers, depending on the prototype or period being modelled there is still a need in some instances for coaches to be made from kits or from scratch. *Slattocks Junction*, being constructed to P4 standards by members of the Manchester Model Railway Society is such a layout where this is required and Ralph Robertson, coach guru to the group, will be showing his techniques for modelling coaches of LMS and LNER origin that will be used on the layout.

Modelling Diesel Multiple Units

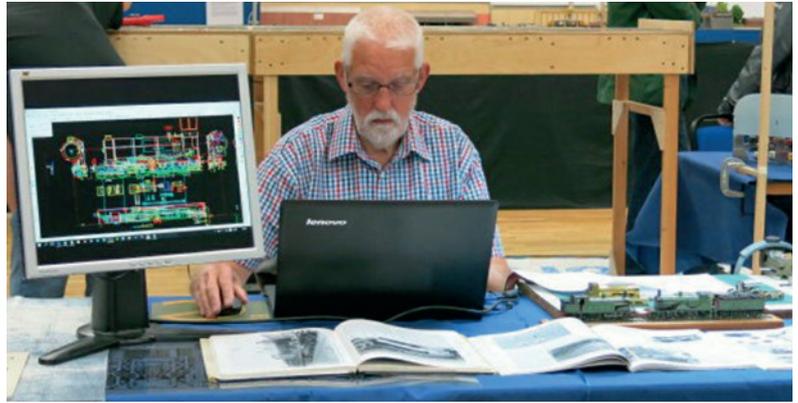
The humble DMU has been a feature of railways in the UK for many years and they have been a mainstay of secondary services all over the country. Far less glamorous than locomotives, there have been many variations on the design of such units including the combination of vehicles from different classes. Jim Smith-Wright will be showing how he constructs accurate models of DMUs often by combining parts of models from different manufacturers.

Layout under construction

Seeing completed layouts is always good but there is an equal amount of interest in layouts under construction. Andy Gannon and his brother, Mathew, are in the process of building a model of Ventnor station on the Isle of Wight as it was in June 1960 and they have developed a range of interesting techniques to produce the buildings and stock needed for the layout. Using a combination of laser-cutting and traditional scratchbuilding techniques together with the use of jigs and formers, Andy and Matthew will be showing the impressive results achieved so far.

The Area Group Demonstration Presented by the Glevum Area Group

Glevum is the Roman name for Gloucester which is approximately the centre of the Area Group, which in practice covers an area from Herefordshire at one end and the north of Bristol in the other. We have been meeting since the late 1970s and during that time have done many things together. Our group layout has been to many exhibitions and is undergoing yet another rebuild so is not present at this *Scaleforum*. What we have are examples of the type of activities which we indulge in.



Martin Finney will be on hand to explain his techniques for constructing model locomotive masterpieces.

All time periods are modelled by one or more members of the group, the earliest being from the Victorian period as exemplified by the broad gauge models of Roger White and Paul Townsend. Moving on in years the Big Four and their successors in the BR Regions continue to hold much interest and we have examples of locos, rolling stock and buildings from this period. Some are on the display table and some will be found on the *Barrow Road* baseboards.

Barrow Road is a long-cherished and long-term project of Robin Whittle who is often aided (and occasionally obstructed!) by other group members. Some aspects have appeared in the modelling press and Robin would be more than happy to discuss the methods used in making the model, anything from baseboards to custom laser cut parts.

Whilst exhibitions often have a demonstration of 'first steps' in P4 modelling we thought it worth trying to help those considering 'what next' so have set aside an area where we invite you to sit down and, if you wish, discuss any ideas you may have or perhaps pick our brains for suggestions.

Our demonstration area will only work if you come and talk with us, so please come and ask, no matter how trivial you think the question. We may even be able to tell you how to get that old Triang Polly running again; we can certainly tell you how to get a P4 Thomas, Annie and Clarabel, 'cos we know a man that's done it.

The Scalefour Helpdesks

This year we are continuing the innovative *Scaleforum* help desks where not only can you see an expert at work but you can also try things out under their guidance and advice. Not quite a demonstration, and not quite a workshop, various members of the Society have agreed to come along and provide some in-depth help and advice on a range of topics, and where appropriate will help you to have a go.

Soldering

For those who are struggling with soldering Roger Sawyer is the person to see. Roger will have a range of soldering equipment available and will be able to guide you through the steps to success in what is sometimes called the 'black art' and you can have a go under his expert guidance.

Basic track construction

The advent of kits for turnout construction and making of plain track have made the business of track building much easier and quicker but for those who need a special turnout formation or something out of the ordinary, track made using rail and sleepers is needed. Expert track builder, Howard Bolton, will be showing how crossing vees and switch rails can be made and will help you to make your own examples. Stay long enough and you will be able to take home a complete common crossing.



Some baseboards from Robin Whittle's Bristol Barrow Road layout will form part of the Glevum Area Group's demonstration.

Visiting Societies and Groups

Working on the basis that we can all learn from others, we welcome the following groups and societies to *Scaleforum*

Class 27, by David Furnage
Photo: Philip Hall



Irish modelling will also be represented on the stand with examples of excellent ready to run models, partly scratch-built models as well as short-run accurate kits for Irish wagons, all suitable for conversion to 21mm P4. The main society website is www.irrs.ie and is where details of regular meetings of the London Area can be found.

The Broad Gauge Society

We welcome again this year the Broad Gauge Society, the essential Society for anyone who is interested in accurate modelling of broad gauge prototypes. The Broad Gauge Society was formed in 1980 to promote research into the 7ft 0¼in gauge railways of Britain in the 19th Century. Although the initial goal of the Society was to promote modelling of this period, as the Society's membership has grown, this has embraced people with varied interests that cover all areas of the railway operation, including modelling, historical research, industrial archaeology, model engineering, and through to full-size re-creation of track and a working steam locomotive.

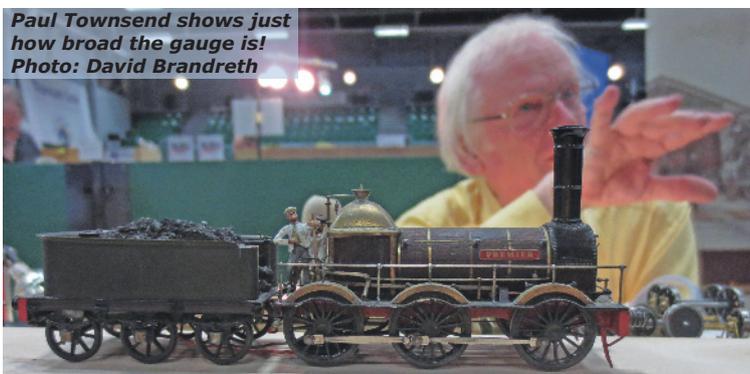
Diesel and Electric Modellers United

Formed in 1998, DEMU is the essential Society for anyone who is interested in accurate modelling of the diesel and electric railway scene. The Society's magazine *Update* is rapidly becoming a very valuable resource of essential information to assist those interested in modelling the contemporary and recent past history of the UK railway system. Members of the Society will be on hand to explain the benefits of membership and you can be sure of seeing some high-quality modelling on the stand.

Missenden Abbey Railway Modellers

For more than 30 years Missenden Abbey in Buckinghamshire has hosted a varied range of practical courses aimed specifically at finescale railway modellers. Among the tutors are such well-known names as Barry Norman, Ian Rathbone, Tim Shackleton, Norman Solomon and Tim Watson. Topics covered this year include Loco-building, Tracklaying, Painting and Lining, Weathering, Electronics, DCC Sound and Scenics. Full details are on www.missendenrailwaymodellers.org.uk

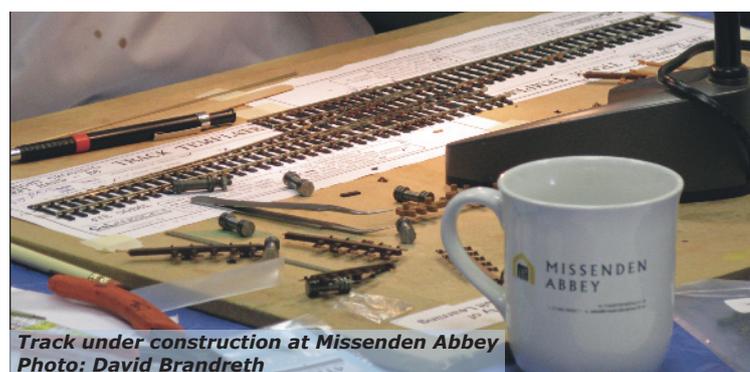
Paul Townsend shows just how broad the gauge is!
Photo: David Brandreth



North London Railway Historical Society

The North London Railway Historical Society was conceived in 1989 by a small group of people who were concerned that although the NLR had many followers, there was no specific forum for them to meet and exchange information. A short mention in *Railway Magazine* led to an inaugural meeting in October 1990, presided over by the late Michael Robbins, author of the only history of the line then available. We cater for everybody interested in the story of the railway and the many associated lines, from 1846 to the present day.

An illustrated journal is produced three times a year, and covers all aspects of the line, its stations, train services, signalling, locomotives and rolling stock. Five meetings are held in central London each year, some in the evening and some in the afternoon; there is also an annual guided walk or tour. Speakers cover a wide variety of topics, and members are encouraged to participate. For those living further away, an associated internet news group has been formed upon which new information is regularly posted.



Track under construction at Missenden Abbey
Photo: David Brandreth

Irish Railway Record Society

The Society was founded in 1946 to record history and current affairs on railways throughout the whole island of Ireland. After nearly 70 years we have extensive archives of original material on all aspects but until a few years ago this was only available to members visiting the archives in Dublin. A few years ago we received most of the contents of the GNR(I) Dundalk drawing office and began a programme to digitize the locomotive drawings to make them more accessible. There are many more years of work to complete this project but we already have detailed sets of drawings available for half of the GNR(I) fleet. We have also started on Carriage and Wagon diagrams for the GNR(I) and the GSR, architecture drawings for various lines, and more modern vehicles from the 1960s. We will be showing examples of all of these including some available for sale.

North London Railway 2649



Directions to Scaleforum

Stoke Mandeville Stadium is located just one and a half miles from Aylesbury town centre and situated directly behind Stoke Mandeville Hospital (both the hospital and stadium are within the town of Aylesbury).

If travelling by car note that there are sign boards on all approach roads into Aylesbury indicating that the stadium can be found by following the standard A&E hospital road signs. Simply follow the signs. In addition there will be special *Scaleforum* direction signs posted within the last mile of your journey.

Exhibition Bus Service

There will be a bus service provided from Aylesbury railway station car park direct to *Scaleforum* and return during both Saturday and Sunday. Note that there will be a charge of £3.00 for the return journey and this will be collected on arrival at the Stadium. The service will start half an hour before *Scaleforum* opens and the last bus will depart Stoke Mandeville Stadium when the show closes each day.

See our *Scaleforum* 2016 Bus Timetable elsewhere in this issue for the bus times between *Scaleforum* and Aylesbury railway station.

For those who cannot make the exhibition bus service on the Saturday, we suggest using the No. 50 bus route as indicated opposite.

Car Parking

Limited free parking for *Scaleforum* visitors is available at Stoke Mandeville Stadium in marked bays. Although there are signs indicating that parking is limited to three hours, the number plate recognition cameras will be switched off during *Scaleforum*. To reduce the pressure on the limited parking space at the stadium, we recommend that visitors use the town centre car parks and then catch the exhibition bus from the railway station to *Scaleforum*. We recommend that you use the long stay Friarscroft (588 places) car park close to the station, which is £3 for all day on Saturday and £1 for all day on Sunday. Details of all town centre car parks can be found at <http://tinyurl.com/jplsd2h>.

The roads around the stadium car parks are residential and, although they have no parking restrictions, should you park there please abide with all road parking regulations, park safely and keep all access areas and driveways clear. We have permission to use one of the car parks in the adjacent hospital site for parking and there will be access to the hospital car park from the stadium site and stewards will be on hand to direct you.

By Train

The area is served by a fast, frequent Chiltern Railways service to and from London Marylebone. If travelling from the south alight at Aylesbury (not Stoke Mandeville) and then proceed by the exhibition bus in the station car park to *Scaleforum*. If travelling from the north, i.e. from Birmingham Snow Hill or Banbury, change at Princes Risborough for the service to Aylesbury or alight at Haddenham and Thame Parkway station to catch a 280 bus to Aylesbury bus station. Taxis are available from the Aylesbury station forecourt to the stadium with a single fare around £4, although buses run from the adjacent bus station.

By Bus from Aylesbury Bus Station/Town Centre

Frequent buses from Aylesbury bus station to *Scaleforum* are available on several routes, details below. We recommend the 50 services, as this is the most direct and quickest bus service from Aylesbury Bus station (Town Centre) to

Scaleforum and return, but is only available on the Saturday.

Route 50 (Saturdays only)

Timetable: <http://tinyurl.com/na3wgp4>

Bus Station Bay 3

You should ask for Elm Farm shops. These are on the north side of the railway line and are less than a five-minute walk from the bus stop to the stadium, using the footpath under the railway directly into the stadium site (see map for details). The bus journey takes about seven minutes from the bus station to Elm Farm bus stop. Buses depart Aylesbury bus station at 10 and 40 minutes past each hour and arrive at Elm Farm shops at 17 and 47 minutes past each hour. The return service is 26 minutes and 56 minutes past each hour.

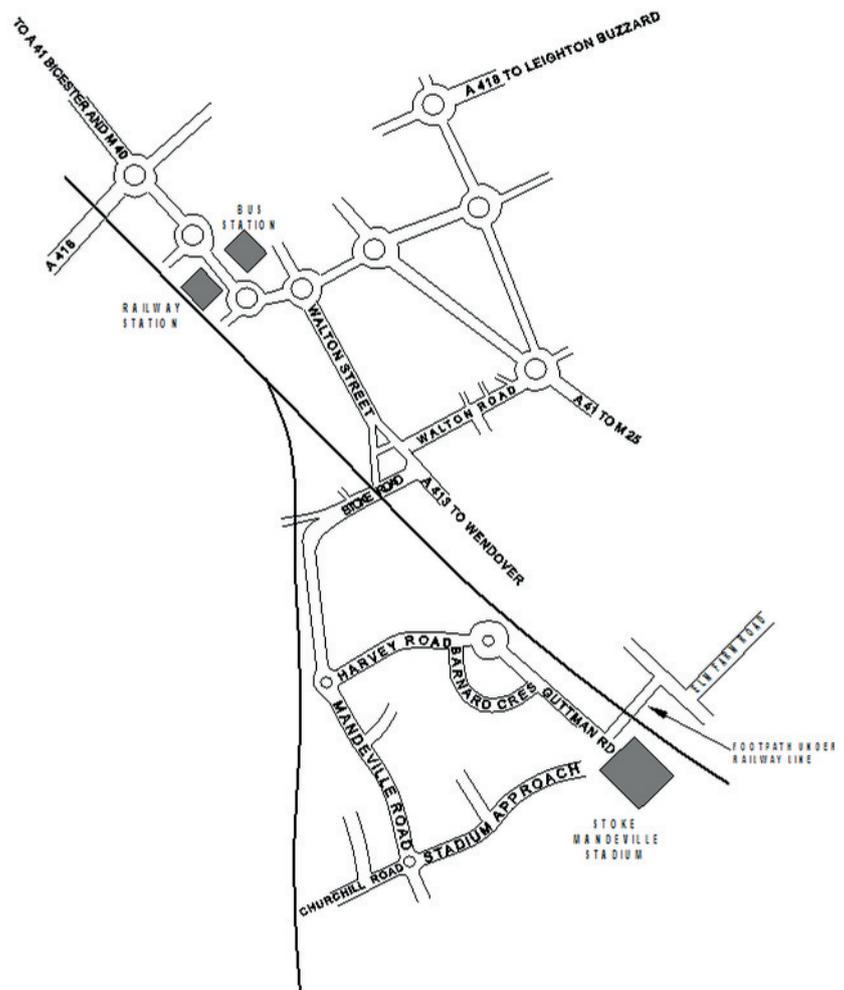
Route 300 (Saturday & Sunday)

Timetable: <http://tinyurl.com/p67hguc>

Bus Station Bay 6

Saturday departs Aylesbury bus station at 15, 35 and 55 minutes past each hour and arrive at Churchill Avenue/Stadium Approach at 01, 21 and 41 minutes past each hour. The return service departs Churchill Avenue/Stadium Approach at 15, 35 and 55 minutes past each hour, until 17.35.

The Sunday service is hourly with the service departing Aylesbury bus station at 5 minutes past each hour. The return service leaves at 41 minutes past the hour.



Places of Interest in and around Aylesbury

Beyond *Scaleforum* there is much of railway interest to see around Aylesbury

Buckinghamshire Railway Centre: located at Quanton Road Station, HP22 4BY, about six miles to the west of Aylesbury. The centre has the former LNWR Rowley Road station from Oxford as its centrepiece exhibition building and includes much of interest from the GC, Metropolitan and LNER railways.
www.bucksrailcentre.org
01296 655720

Chinnor and Princes Risborough Railway: this former GWR branchline has its base at Chinnor station, about 10 miles from Aylesbury, with the station having been completely re-built by volunteers. The railway runs a weekend passenger service during September. Chinnor Station, Station Approach, Station Road, Chinnor, Oxfordshire, OX39 4ER.
www.chinnorrailway.co.uk
01844 353535

Leighton Buzzard Narrow Gauge Railway: at Leighton Buzzard, about 10 miles north of Aylesbury. Built to 2 foot gauge, this fascinating line was originally constructed in 1919 using redundant materials from the WW1 Western Front in France to move sand from the quarries to the north of the town to the standard gauge branch line that went from Leighton Buzzard to Dunstable. The railway



has a large collection of steam, diesel and petrol locomotives and will be operating a passenger carrying service on the Sunday of *Scaleforum*. Page's Park Station, Billington Road, Leighton Buzzard, LU7 4TN.

www.buzzrail.co.uk
01525 373888

Pendon Museum: a 'must see' place for all those who appreciate fine modelling, the museum is a little further away, about 22 miles from Aylesbury. The Museum is open at weekends from 14.00. Pendon Museum, High St, Long Wittenham, Abingdon, Oxfordshire OX14 4QD.

www.pendonmuseum.com
01865 408143

Didcot Railway Centre: operated by the Great Western Society, near Pendon, at Didcot. The centre will be open on both days of the *Scaleforum* weekend from 10.30 to 15.30.

Located next to the railway station, the centre offers lots to interest the GWR supporter. Didcot Railway Centre, Didcot, Oxfordshire, OX11 7NJ.

www.didcotrailwaycentre.org.uk
01235 817200

For the rest of the family the following non-railway attractions are close to Aylesbury

Ascott House: another former Rothschild house also now owned by the National Trust, Ascott House is just outside the village of Wing.
www.ascottestate.co.uk
01296 688242

Waddesden Manor: a large country house in the village of Waddesden built by Baron Ferdinand de Rothschild between 1880 and 1883 the house is now owned by the National Trust.
www.waddesdon.org.uk
01296 653226

The Roald Dahl Museum and Story Centre: located in Great Missenden, about 10 miles south east of Aylesbury, and tells the story of the author's life and his books. The museum is open at weekends from 11.00 - 17.00 and is at 81 High Street, Great Missenden, HP16 0AL.
www.roalddahlmuseum.org
01494 892192

Woburn Abbey and Safari Park: located at Woburn, about 15 miles north of Aylesbury, the main house is open from 11.00 to 16.00 whilst the Safari park is open from 10.00 to 17.00.
www.woburn.co.uk
01525 290333

Bring and Buy Stand

As *Scaleforum* approaches don't forget to begin to start setting aside your surplus items for sale on the Bring and Buy stand which gives members an opportunity to dispose of unwanted items and allows others the opportunity to acquire a bargain. The Society retains 10% commission on items sold but there is no fee on unsold items.

Items for sale should be listed on the Bring and Buy form. This can be downloaded from the Society's website at www.scalefour.org Two versions of the form are available: a PDF version for printing off and completing by hand or an Excel spreadsheet which will allow the calculations to be done on a computer. Any member who does not have access to the internet can obtain a form from the *Scaleforum* organizer: Terry Bendall, 123 Plantation Road, Leighton Buzzard, Bedfordshire, LU3 3HJ. Further copies of the form will be available at *Scaleforum*.

Simply list your items on it, decide on how much you want for them and label the items accordingly. Sales can be of one item or many and there is no limit to the amount that can be offered for sale. The seller sets the price but members of the Bring and Buy team will be able to offer advice on prices if required and will lower the price for unsold items if requested to do so by the seller. Bring the items and form to the Bring and Buy stand where they will be booked in and offered for sale. Items can be entered into the Bring and Buy and removed at any time during the course of the exhibition.

At the end of the day (or whenever you wish) we tally up all the items you have sold, deduct our 10% commission and pay you the balance. You can keep an eye on how things are going and reduce (or raise!) your prices at any time. Please read carefully the notes on the back of the form relating to the labelling of items, together with the conditions of sale. All items are deposited with the stand manager entirely at the owner's risk and the Society accepts no liability regarding the condition or suitability of items sold on behalf of a member.

Please note the following points about the operation of the Bring and Buy stand: Items for sale may be handed in at any time but in order to give everyone an equal opportunity to buy, selling will not start until 10.30am on the Saturday, and 10.00am on the Sunday. This will apply to visitors and all exhibitors. All goods must be paid for at the time of purchase; the setting up of a running account is not permitted. In addition we will accept books for sale but these must be on railway related subjects, either the prototype or modelling and be in good condition.

Members are advised to consider the presentation of items to be sold. Items that are well wrapped up in plain closed boxes are likely to attract less interest than those that can be easily seen. Small items may need to be placed in clear plastic bags.

Please note that the stand does not accept magazines, videos or DVDs for sale, or models in scales other than 4mm to 1ft.

Scaleforum Trade Support

Stock up with all those essential items!

Stand numbers after the trader names refer to the floorplan on page 8

247 DEVELOPMENTS 1 Coombe Road, Milnsbridge, Huddersfield HD3 4SF www.247developments.co.uk <i>Etched nameplates, kits and components</i>	7 01484 653387	DAVE BRADWELL South Muirnich Cottage, Gorthleck, Inverness IV2 6YP www.davebradwell.co.uk <i>Etched locomotive and rolling stock kits</i>	15 01456 486377
ABS MODELS 39 Napier Road, Hamworthy, Poole, Dorset BH15 4JX <i>Cast whitemetal kits and components</i>	23 01202 672891	DAVID GEEN MODEL RAILWAY KITS 30 Silverwood Close, Dale Park, Hartlepool TS27 3QF www.davidgeen.co.uk <i>Locomotive and rolling stock kits</i>	3 01429 269600
ACC+ESS PROTOCAB Glenrhu, Bowermadden, Caithness KW1 4TW www.protocab.com <i>Battery-powered remote control systems</i>	24 07831 231164	EILEEN'S EMPORIUM Unit 19.12 Highnam Business Centre, Newent Road, Gloucester GL2 8DN www.eileensemposium.com <i>Tools, painting and scratchbuilding supplies</i>	43 01531 828009
ALAN GIBSON (WORKSHOP) P.O. Box 597, Oldham OL1 9FQ www.alangibsonworkshop.com <i>Wheels, etched kits and components</i>	2 0161 678 1607	EXTREME ETCHINGS/SHAWPLAN 2 Upper Dunstead Road, Langley Mill, Nottingham NG16 4GR www.shawplan.com <i>Etched detailing components, Laserglaze, paint and transfers</i>	10 01773 718648
AMBIS ENGINEERING The Old House, 80 Westgate Street, Shouldham, Kings Lynn, Norfolk PE33 0BH www.ambisengineering.co.uk <i>Etched kits and components</i>	39	GOLDEN AGE MODELS P.O. Box 888, Swanage, Dorset BH19 9AE www.goldenagemodels.net <i>Locomotives and coaches in 4mm, 7mm and 10mm scales</i>	34 01929 480210
BILL HUDSON TRANSPORT BOOKS Station Yard, Matlock, Derbyshire DE4 3NA www.billhudsontransportbooks.co.uk <i>New and secondhand books</i>	18 01629 580797	GRAMODELS 18 Lower Tail, Carpenders Park, Watford WD19 5DD www.gramodels.co.uk <i>Cast resin military and railway kits</i>	42 07833 364272
BRANCHLINES P.O. Box 4293, Westbury, Wiltshire BA13 9AA www.branchlines.blogspot.co.uk <i>Etched kits, motors & gearboxes</i>	27 01373 822231	GREEN SCENE 60 Holly Mount, Worcester WR4 9SF www.green-scene.co.uk <i>Scenic supplies</i>	17 01905 24298
BRASSMASTERS SCALE MODELS P.O. Box 1137, Sutton Coldfield, West Midlands B76 1FU www.brassmasters.co.uk <i>Locomotive & EasiChas kits, detailing components</i>	14	G W MODELS 11 Croshaw Close, Lancing, West Sussex BN15 9LE <i>Rivet presses, rolling mills and other tools</i>	38 01903 767231
C&L FINESCALE (incl. CARRS and EXACTOSCALE) Aran Lodge, Severn Road, Hallen, Bristol BS10 7RZ www.finescale.org.uk <i>Trackwork and soldering supplies</i>	45 01179 505 470	HEDGEROW SCENICS 25 Kensington Close, Lower Earley, Reading RG6 4EY www.hedgerowscenics.co.uk <i>Scenery supplies</i>	32 01189 867020
CAMBRIAN MODELS 10 Long Road, Tydd Gote, Wisbech PE13 5RB www.cambrianmodels.co.uk <i>Plastic wagon kits and components</i>	44 01945 420511	HIGH LEVEL KITS 14 Tudor Road, Chester-le-Street, County Durham DH3 3RY www.highlevelkits.co.uk <i>Locomotive kits and drivetrain solutions</i>	13 0191 388 2112
CHELTENHAM MODEL CENTRE 39 High Street, Cheltenham, Gloucestershire GL50 1DX www.cheltenhammodelcentre.co.uk <i>Extensive RTR selection</i>	1 01242 523117	HOBBY HOLIDAYS The Spinney, Low Street, Beckingham, Doncaster, S Yorks. DN10 4PW www.hobbyholidays.co.uk <i>Tools, paint and scratchbuilding supplies. Modelling courses.</i>	22 01427 848979
COASTAL DCC 71 Alan Road, Ipswich, Suffolk IP3 8EY www.coastaldcc.co.uk <i>DCC control systems and decoders</i>	33 01473 403764	ISINGLASS DRAWINGS 27 Grange Road, Toddington, Dunstable, Bedfordshire LU5 6BZ www.isinglassmodels.co.uk <i>Etched kits and LNER drawings</i>	20 07973 768080
COOPERCRAFT The Willows, Broom Lane, Oake, Taunton TA4 1BE www.cooper-craft.co.uk <i>Etched and plastic rolling stock kits</i>	25 01823 461961	JUDITH EDGE KITS 5 Chapel Lane, Carlton, Barnsley, South Yorkshire S71 3LE http://bit.ly/1f1h2YJ <i>Etched locomotive kits</i>	37 01226 722309
DART CASTINGS (incl. MONTY'S MODELS and MJT) 17 Hurst Close, Staplehurst, Tonbridge, Kent TN12 0BX www.dartcastings.co.uk <i>Detailing components and scenic supplies</i>	12 01580 892917	LONDON ROAD MODELS P.O. Box 643, Watford, Herts. WD24 5ZJ www.londonroadmodels.co.uk <i>Etched locomotive and rolling stock kits</i>	21

Scaleforum Trade Support

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Stand numbers after the trader names refer to the floorplan on page 8

MODEL RAILWAY DEVELOPMENTS 87 Copthorne Road, Leatherhead, Surrey KT22 7EE www.emardee.org.uk <i>Detailing components and accessories</i>	11	ROGER CARPENTER 407 Highters Heath Lane, Hollywood, Birmingham B14 4TH 0121 430 8769 <i>Extensive collection of railway photographs</i>	35
MODELU 3 Tyny Sarn, Llanwnnog, Powys SY17 5JF www.modelu3d.co.uk <i>3D scanning and printing</i>	36	ROXEY MOULDINGS 58 Dudley Road, Walton-on-Thames, Surrey KT12 2JU www.roxeymouldings.co.uk <i>Etched rolling stock kits and supplies</i>	40
MOUSA MODELS (BILL BEDFORD) 745 High Road, Leytonstone, London E11 4QS www.mousa.biz <i>Etched kits and components</i>	31	RUMNEY MODELS 7 Hurlingham Road, Bristol BH7 9BA www.rumneymodels.co.uk <i>Etched locomotive bogie and wagon underframe kits</i>	6
NEIL KINISON MODELS Styvelegh, Walmar, Stileway, Glastonbury, Somerset BA6 9SH neil522@tiscali.co.uk <i>Bespoke model builder</i>	29	SCALEFOUR STORES 120 Hayhurst Avenue, Middlewich, Cheshire CW10 0BD www.scalefour.org/stores/stores.html <i>Supplies for the discerning modeller</i>	01606 835708
PARKSIDE DUNDAS Millie Street, Kirkcaldy, Fife KY1 2NL www.parksidedundas.co.uk <i>Plastic wagon kits and accessories</i>	19	SEVERN MODELS P.O. Box 785, Brosely, Shropshire TF7 9FT www.severnmodels.com <i>Etched building and detailing kits</i>	46
PENBITS MODEL RAILWAYS c/o 12 Fieldside, Long Wittenham, Abingdon, Oxon OX14 4QB www.penbits.co.uk <i>Etched locomotive bogie kits</i>	16	SOUTH EASTERN FINECAST Glenn House, Hartfield Road, Forest Row, East Sussex RH18 5DZ www.sefinecast.co.uk <i>Locomotive and road vehicle kits, building materials</i>	26
PHOENIX PRECISION PAINTS P.O. Box 8238, Chelmsford, Essex CM1 7WY www.phoenix-paints.co.uk <i>Painting supplies and detailing components</i>	28	TIM HORN BASEBOARDS 9c Millers Close, Fakenham Industrial Estate, Fakenham, Norfolk NR21 8NW www.timhorn.co.uk <i>Precision scale replicas & layout accessories</i>	9
PRICKLEY PEAR PRODUCTS Blackdown Mill House, Mill Lane, Punnett's Town, Heathfield, East Sussex TN21 9HX <i>Etched rolling stock kits</i>	5	WEALISTIC MODELS 67 Woodlands Avenue, Woodley, Reading, Berkshire RG5 3HF wealisticmodels@hotmail.com <i>Weathering services</i>	30
RAILROOM ELECTRONICS c/o 20 Avon Drive, Wareham, Dorset BH20 4EL www.railroomelectronics.co.uk <i>Electronic components and tools</i>	4	WILD SWAN BOOKS (TITFIELD THUNDERBOLT) 3A Upper Lambridge Street, Larkhall, Bath BA1 6RY www.wildswanbooks.co.uk <i>Railway books and periodicals</i>	47
REPLICA RAILWAYS Unit 46, BSS House, Cheney Manor, Swindon SN2 2PJ www.replicarailways.co.uk <i>RTR spares and transfers</i>	41	WIZARD MODELS (incl. MSE & 51L) P.O. Box 70, Barton upon Humber DN18 5XY www.wizardmodels.co.uk <i>Rolling stock and signalling kits, components and supplies</i>	8

Special Trade Seminar

Acc+Ess are the developers and manufacturers of the Protocab battery-powered wireless control system that removes the need for track wiring, loco pick-ups and endless track cleaning! At this year's *Scaleforum*, apart from a demonstration layout and the experts on hand to discuss how you can enjoy the benefits of Protocab, Acc+Ess will have a small theatre where a series of free presentations will be run to give some background on the latest developments in battery power and wireless control (BPWC) for model railways.

You are very welcome to attend for one or more half-hours during your visit for further information on:

- How does battery power + wireless control work?
- How can I get battery power + wireless control on my layout?
- How do I control locomotives using this method?

The presentations on each day are:

11.30–12.00	Why BPWC and what are the challenges?
12.30–13.00	Considerations for converting to BPWC
14.30–15.00	Does BPWC have a future?
15.30–16.00	Why BPWC and what are the challenges?

Spaces in the Acc+Ess theatre are limited so please call at the Acc+Ess stand to reserve a place for any of these presentations.