

# Scalefour Digest 4.1 Scalefour Style

A spelling and style guide

### 1. Background and Purpose

1.1. Members of the Society are encouraged to offer articles for publication on the fruits of their research, lessons from their modelling, or other items of interest. While most members of the Society will prefer to be concerned, understandably, with precision in modelling rather than with niceties of grammar and style, precision is nevertheless important in these too, to convey information clearly and without any ambiguity.

1.2. This document therefore sets out the Society's style for printing and expressing various model engineering and railway terms, as well as some important general rules. It is not intended to stand in the way of individual writing style, far from it, for that would remove much enjoyment. Its aim is to help authors to communicate successfully with readers.

- 1.3. It is the responsibility of the editors of the Society publications to adjust any articles and contributions to maintain the standard style, but it will help them if the authors pay some regard to this document. The editors will normally follow the Oxford Style Manual, supplemented by this Scalefour Style guide.
- 1.4. For the meanings of railway terms, the editors will normally use the terminology in the railway safety publications issued by the Office of Rail and Road.

#### 2. Some terms and their usage

In the following alphabetical list, individual words are shown in black, in the form used in the publications of the Society. Generic subjects are shown in blue. Explanations and/or examples are given where this seems helpful.

Ahern John Ahern, pioneering railway modeller and author.

algebraic forms Variables, e.g. x, y, z as used in

equations should always be in italics, though + and - should never be in italics. Times New Roman is acceptable as a font for these terms, as sometimes they can appear odd if

Verdana is used.

**Athearn** American supplier of model railway (railroad) equipment.

**Alex Jackson** a) The modeller who devised the

Alex Jackson coupling:

b) The description of a coupling built to his principles. If the meaning is clear, the "Alex expression Jacksons" is acceptable; generally abbreviated to "AJ coupling", or possibly "AJs", if that suits the

informality of the context.

Two 'n's, two 't's and an apostrophe. Annett's key

Capitalize.

auto train Two words. Refers to a push-pull

train, not a Motorail car-carrier.

axlebox axleguard

backhead

backscene

back-to-back When used as an adjective has

hyphens, e.g. "back-to-back gauge", but: "place back to back the items to

be glued".

"birdcage" Adjective for a type of brake van or

coach. One word, with quotes.

Blu-Tack

The registered trade mark, though also marketed without the hyphen. Must have capital letters as shown.

bogie Plural "bogies". To avoid ambiguity,

> use the word exclusively connection with running gear, not to mean "coal wagons" unless that is appropriate to the geographical area

under discussion.

bolt-head

**Boxpok** A patented form of cast steel wheel

centre. Most locomotives designed by O. V. Bulleid had BFB (Bulleid Firth Brown) wheels, which were

fabricated, not cast.

hrake "Break" is permissible only in

quotations from historical documents.

brakegear

brake van Two words.

**Brook Smith** Two words, no hyphen. Joe Brook

> Smith devised the "Brook Smith method" of track construction, using

ply and rivets.

buckeye

buffer beam Two words. "Headstock" on wagons.

> "Buffer plank" is the appropriate term for the equivalent item on

locomotives.

buffer head Two words.

buffer plank Two words. The more correct term

for the buffer beam on a locomotive.

buffet car **bullhead** bushar

captions to Italicize. Where, within the caption, dimensions Write as: 4ft 8in or 4' 8"; 1435mm; there is a word or phrase which 6 0m photographs 0.035in or 0.035" or 35 thou, not would normally be italicized anyway, it retains the italicized form and .035in. therefore is not distinguished from dissolve Use carefully, since solvents dissolve the caption text. things, whereas heat melts them. A term often used by modellers. For chassis down (Of a railway line) running in a the prototype, the term is "frames". direction away from London. check rail drill Strictly speaking, the drill is the tool clerestory Not "clear-storey" (although that is which holds the drill bit which how it sounds). actually makes the hole. But it is acceptable to write "use a 2.5mm Committee Capitalize when referring to the drill to make the hole". committee of the Scalefour Society. ducket Only one 't'. compounding Where two separate words have of words become a common term, use the eBay Upper case 'B'. single word version e.g. "airbrush"; Capital 'E'; lower case 'j'. This **Editorjames** "axlebox"; "baseboard"; "handrail". terminology is only to be used for However, a hyphen may the Editor of Scalefour News, and is appropriate where the two words not to be used for reference to other still retain some individual meaning Society officers. e.g. "bolt-head", but this is a fine **Edwardian** Always has a capital letter, as do all point. Current usage is shown in this adjectives with royal origins. document, but it can change in different contexts. electricity 750V dc; 22kV; 6000kW; 5A. There Consider however: "the Midland is only a space between the value Railway six-coupled tanks" and "the and the unit if the unit is spelt in Midland Railway six coupled tanks". full; so a 9V battery or a 9 volt Avoid strings of nouns e.g. not "then battery. you resistance solder parts", but Abbreviate to "EMU". Plural "EMUs". electric "then you join the parts by multiple unit Unit designations are 6PUL, 4SUB, resistance soldering". continuous After first reference, abbreviate to ellipses An ellipsis is a set of three periods springy beams "CSBs". (...) indicating an omission. Each period should have a single space on contractions No full stops, except Co., Co. Ltd., either side, except when adjacent to No. (Note: 'No.' is usually followed a quotation mark, in which case by a space, e.g. "Scalefour News No. there should be no space. 139"; or "MRJ 137". email But: "e-shop". copperclad Use as an adjective, e.g. "copperclad strip", not as a noun. For a noun, it **EM Gauge** "EM Gauge is better to use the term "printed Society Ltd. mention; thereafter "EMGS". circuit board" or "pcb sleepers". emphasis Use italics to emphasize a word or crankpin One word. phrase, rather than underlining. crosshead One word. e-shop But: "email". Put symbol before the quantity: And: "expoEM North". Italicize. currency expoEM £47,000. Avoid GBP for the £ sign. fiddleyard One word. dates Preferred: 4th September 2004 (no Lower case within the text. Capitalize figure 1 superscript). within the caption. Circa 1908 written as "c 1908" ('c' in finescale Is an adjective (as in finescale italic; space; 1908). modelling). It is not a noun or 1970s; 1980s, etc. adverb (so do not write: "I model decimals Use 0.1, 0.01, 0.001, etc. finescale", or "he's into finescale"). Digital Abbreviate to "DCC", unless clearly A finescale modeller is probably a Command addressing beginners fine, scale modeller anyway. or modellers. Capitalize when used in Control firebox full. fishplate One word. Diagram "Diagram 1379" or "D1379". Not

"diagram 1379", nor "D.1379".

Abbreviate to "DMU". Plural "DMUs".

numbers

unit

diesel multiple

flatbottom

fogman

One word.

fogsignalling.

Society"

One word. Also fogsignalman, and

on

first

fonts The standard for Scalefour News is

Verdana. Arial and Tahoma are permissible. These may give trouble with numerals in technical publications, in which case Times

New Roman may be used.

foreign words and phrases

Should generally be italicized, e.g. "verboten", though the Oxford Style Manual should be consulted. If there is no entry for a particular foreign word, then that word should almost

definitely be italicized. See also Latin words.

Use hyphen. Similarly for six-foot four-foot way

way, etc.

fractions Use 1/10, 1/100, 1/1000, etc.

A misnomer by modellers. Use frog

"crossing vee" instead.

gauge Can be a verb ("to gauge the

points") or a noun ("the points were

found out of gauge").

gauges 00; 0; H0; etc. All use numerals.

Not OO; O; HO; etc.

goods train Generally the UK term prior to

Nationalization, but there are exceptions. Post-Nationalization, "freight train" became increasingly

prevalent.

Grouping Capitalized reference to the 1923 grouping of railway companies in the

UK. Also "pre-Grouping" and "post-

Grouping".

Has apostrophe. Better to describe guard's van

the vehicle more precisely, e.g. "brake van", "passenger brake van",

or "brake composite coach".

handrail One word.

headings Use bold, lower case. No underlining.

> Capitals acceptable for stylistic purposes. No italicization within

headings.

One word.

hornblock This has come to be used (albeit

wrongly) to mean the axlebox which slides in the hornguides. Although this usage is now common, it is nevertheless desirable that the terms 'axlebox' and 'hornguide'

should be distinguished.

hornguide

headcode

horsebox One word.

internet Not capitalized.

-ise or -ize? Use as indicated in the OED. Where there is an option, use the 'z'

> spelling. An excellent assessment be found www.metadyne.co.uk/ ize.html (1st

June 2015).

Kadee The well-known coupling.

**Kings Cross** The well-known station as known by

Network Rail has no apostrophe. Conversely, the London Underground

station is King's Cross St. Pancras.

**Latin words** and phrases Common Latin abbreviations should be written thus: e.g.; etc.; i.e. (not italicized). Similarly, common Latin words and phrases needn't be italicized. Less common Latin words and phrases should be italicized (see the Oxford Style Manual for

quidance).

layout names Italicize.

lists

Lists are generally indented: 5mm to bullet point or numeral; 10mm to start of text. Each item should end with a full stop when a list comprises complete sentences which do not depend on the platform statement to give them meaning. A semicolon is used when a list comprises fragments of sentences that rely on the platform statement to give them meaning. The final entry always ends with a full stop. A line space follows a list, though there is no indent to the subsequent line of

text.

Maximum permitted cross-section load gauge

for rolling stock (cf. loading gauge).

loading gauge apparatus for establishing

whether a vehicle and load infringes

the load gauge.

locomotive Preferable to "loco", though much depends on the style of the writing

and the context. If "loco" is used, then "loco" and "locos", not "loco."

or "loco's".

locomotive classes

Class names generally in single quotes. Always use capital 'C' for Class, then as follows, whether

steam, diesel or electric:

a) '43xx' Class 2-6-0;

b) 'Merchant Navy' Class 4-6-2

(i.e. use quotes when a class takes its identity from a specific number series or has a descriptive class

name):

c) Roman numerals for locomotive classes are very rare for British prototypes. Normally use Class '5',

not Class 'V'.

locomotive names

Use italics, not quotation marks.

lower-quadrant Has hyphen.

Is normally an adjective "lower-quadrant (e.g. signals"). In an informal article, may be used as a noun (e.g. "lower

quadrants do bounce").

magazine titles Italicize, whether using the full

name or initials. Either "Scalefour

News No. 137" or "MRJ 139".

Mansell wheel Derived from R.C. Mansell, SER

carriage superintendent.

Maunsell R.E.C. Maunsell, the locomotive

engineer.

**MEK** Methyl ethyl ketone, an industrial

solvent. Not generally available in

the hobby trade.

**MEK-PAK** Trademark ( $^{\text{TM}}$ ). Normal to use

upper case throughout.

merry-goround Adjective and has hyphens. "MGR" is permissible once the full expression has been used in an article or

context is clear.

metric units and phrases

See sections 3 and 4 of this

document.

Metro-land Has hyphen.

mileage Has 'e' in middle and at end.

milepost One word.

model railway internet forums

way Should be written as: "Scalefour Forum"; "RMweb" (lower case 'w').

Model Railway Journal

Spell in full on first mention; thereafter "MRJ". Italicize both the

full title and the initials. "MRJ No.

139" or "MRJ 139".

nickel silver

Two words. NS acceptable for

subsequent use.

notes

It is convenient for the reader if notes appear in the relevant part of the main text, if the result is not too

complicated.

Otherwise, they should be at the end of a chapter, in font size 7, not in italics. A line separates the note from the main body of the text.

Where there are many references, these should be in a list showing the title of the publication, page, author

and publisher.

numbers

Use Arabic numerals for numbers higher than twenty and for all

numbers in tables.

Use words for all numbers up to and including twenty, and at the start of sentences; there are, however, certain exceptions to this rule, e.g. sequences of numbers referring to dimensions, quantities, percentages, proportions, etc., and figures appearing with abbreviated forms of

units or with symbols.

Use a comma to show thousands in five-figure numbers and above, e.g.

1500; 47,149; 600,000.

'275m' or '\$497bn' are preferred for very large numbers (especially

currency).

online

**00** Describes a model to the scale of

4mm, but with a track gauge of 16.5mm. "00 scale" is a meaningless expression – refer instead to "00 models" or "00 standards". Note it is the numerals 00, not the upper case letters OO. Similarly H0 and 0, not HO and O.

overbridge

One word; describes a bridge over a

railway.

paragraph numbering Numbering can often help the author to marshal his thoughts and facts coherently, as well as assisting the reader. Where numbering is required, the first preference is for a decimal system, based on the groupings of the subject and the information on each, and progressing as follows:

## 1. The Baseboard

1.1. The Legs

1.1.1. Sizes of timber

1.1.2. Alternatives to timber

1.2. The Surface

1.2.1. Open framework

1.2.2. Covered framework

2. The Track

2.1. Ready-made track

2.1.1. Pros

2.1.2. Cons

2.2. Constructing track

2.2.1. Ply sleepering

2.2.2. Plastic sleepering

Where a secondary numbering system is needed, this may be in the

form a), b), c), etc.

Note: It is well understood by editors that Word and other programs take on a life of their own

with numbering systems.

paragraphs No blank line to precede a new

paragraph. The first line of a new paragraph should be indented by

5mm.

**pcb** Printed circuit board. Generally use

the abbreviation.

**Perspex** Trademark (™). A generic term is

"acrylate sheet".

**pickup** When referring to electrical matters

in a locomotive. Sometimes "current collection" or "current collector" may

be a better term.

**pinpoint** (As in pinpoint bearing.) One word.

**plaster of Paris** Still well enough associated with the

capital city to warrant a capital 'P'.

plastics Be careful not to use incorrect or

lazy descriptions. Styrene is not the same as polystyrene; polystyrene is not the same as polyurethane. ABS

is a specific plastic.

plasticard The generic name for styrene sheet

modelling material.

**Plastikard** Trademark (™).

plywood "Ply and rivet" method is permissible,

but otherwise use the full word

"plywood", not "ply".

P & C Section of track with points and

crossings.

points of the compass

All one word, as "southeast"; "northwest"; etc. Not capitalized.

post-Grouping Capitalize 'Grouping'. pre-Grouping Capitalize 'Grouping'.

PW or PWay Refers to the Permanent Way

Department or to the track itself.

point rail Two words.

As an adjective, has hyphen, but private-owner

"private owners spent money on

paint reluctantly".

private owner wagon

Or "PO wagon". Not "P O wagon", nor "P.O. wagon".

If relating to computer software, program

otherwise "programme".

Protofour A set of standards for wheels and

track. Generally can be abbreviated

to P4.

The full-size object, practice, or prototype

company.

publications Italicize, whether using the full

name or initials. Either "Scalefour

News No. 137" or "MRJ 139".

Has capital 'P' and two 'I's. **Pullman** 

push-and-pull Is an adjective and has hyphens.

Push-pull is also acceptable.

push-button Has hyphen.

quotations Direct speech etc: double lise other

quotation marks; for quotations, single quotation marks desirable, but double quotations are acceptable. The distinction is a fine one, and is for editors to worry

about.

Single quotation marks for quotes Never within quotes. use parentheses within quotation marks.

railbus, railcar or railmotor

Always one word, without a hyphen.

railway companies

SR, LNWR, etc. Generally assume that readers recognize these, so there is no need to spell in full the first time, unless the company is

relatively obscure. No full stop or space between letters. Note LMS is

preferable to LMSR.

No hyphen unless 're' is followed re-

immediately by a vowel, and not

always even then.

So: "rechargeable"; "recalculate";

"re-evaluate", "reinforce", etc.

Abbreviate to "RTR", unless clearly ready-to-run

addressing beginners or non-

modellers.

resistance soldering unit

Spell in full on first mention; there-

after "RSU".

resistor Not "resister".

references Tracking down inadequate

references can waste a great deal of the reader's time. In the case of references to books, the author of an article ideally should try to give: the name and initials of the author of the book, full title, edition, date of publication, publisher, place of publication, and ISBN number.

In the case of articles in periodicals, the reference should include author's name and initials, title of the journal, issue date or number, and

pagination.

Where referencing a web page please state the date on which the

site was accessed.

retaining wall Two words.

**RMweb** 

Refers to a mechanism, or to a running-in

station sign.

safety valve Two words.

Scaleforum Not "Scalefourum", not ever: it's all

been debated a long time ago in another forum! Not "S4um" either, unless in your own diary. Italicize.

Scalefour News Italicize and do not abbreviate to

"S4 News". "Snooze" may be used in jocular, affectionate or conversational contexts, but not in Society publications. Specific issues of the publication should be referred to as, e.g. "Scalefour News No. 138".

Not "S4Nth" in publications printed Scalefour North

by the Society. Italicize.

Scalefour Do not abbreviate to "S4 Society".

> May be referred to as "the Society" (capitalized) in appropriate context.

Scalefour Italicize. Southwest

Scalefour **Forum** 

Society

Capitalize.

scales

e.g. "4mm scale". Space is not needed between the number and the abbreviation. It is unnecessary to write "4mm: 1ft scale", unless specifically addressing non-modellers.

scratchbuild One word. scrawker sellotape

Though properly a trade product,

the name has now become generic, in a similar way to hoover.

hyphen. Normally is adjective, but can be used as a noun

(like "express").

sideplay Side-play also acceptable.

signal box, signal cabin

semi-fast

Two words

One word. signalman six-foot way Has hyphen. slip coach Two words. One word. solebar

spaces No double space between sentences.

speeds Use "mph"; "feet per second"

("ft/s"); "km/h".

split-axle As in "split-axle method of collecting current", but "he uses split axles".

stretcher bar Two words. In pointwork, holds the

opposite switch rails in position. Two words.

stop blocks structure gauge

couplings

Two words.

subframe One word.

sub-headings Use bold, lower case. Sub-headings

within a sub-heading should be in

italics

hyphen.

switch rail Two words. tail lamp Two words.

three-link Write as "3-link couplings". With

"Stretcher bar" is the correct term tie bar

> for the item that holds the opposite switch rails in a turnout in position. On plain track a tie bar holds the

running rails to gauge.

times It is preferable for clarity to use the

24-hour clock, but the historical context may demand use of the 12hour clock. For the 24-hour clock, use: 0645; 2000 (no space or

punctuation).

track Trackwork tends to mean

collection of tracks or the act of

laying track.

traders Generally use the trading name (or common abbreviation e.g. DJH, MSE

where obvious), including "Limited" where appropriate. Alan Gibson (Workshop) is an exception, and should generally be referred to as

"Alan Gibson".

truss rodding Though commonly used, this is

> misleading when the metal is of Langle section. "Underframe trussing" or "trusses" is more appropriate.

trainload One word. Has hyphen. train-shed tramway One word.

tumblehome A term from naval architecture to

> describe the inward curve of a ship's topsides. Commonly used however by modellers of railway carriages to describe the inward curve at the

bottom of carriage sides.

turntable One word. underframe One word.

See "truss rodding". underframe trussing

underbridge

A bridge which carries the railway.

units (of mass, distance etc.)

Generally if the unit is abbreviated (km; mph), then there is no space between the numeric value and the unit. But if the unit is spelt in full (volts; miles) then there is a space between the numeric value and the unit. So: 240 volts; 22km/h; 16t; 50

miles.

In order to avoid the possible ugly appearance of, e.g. 1kN, the kerning may be increased between the

figure and the unit.

(Of a railway line) running in a up

direction towards London.

upper-quadrant Has hyphen. Is normally an

> adjective (e.g. "upper-quadrant signals"). In an informal article, may be used as a noun, in which case does not have hyphen, (e.g. "upper quadrants bounce more than lower

quadrants, do they?").

vacuum brake, vacuum pipe

Two words.

valve gear

vee As in "the vee of the points". See

"frog" above.

**Victorian** Capitalize; same reasoning as for

Edwardian above.

One 'g' unless in historical or wagon

Scottish context.

wagonload A noun and is one word.

Has hyphen. Plural is "wagons-lit". wagon-lit

Not italicized.

water column

websites

Shown all in grey font and underlined. Website addresses should start with the 'www.' and ignore the 'http://' or 'https://' part of the address. It is safe to drop the trailing slash if it's the only component after a domain name, so <a href="https://www.scalefour.org/">www.scalefour.org/</a> can be written as <a href="https://www.scalefour.org">www.scalefour.org/</a> can be written

But the document <a href="https://www.scalefour.org/wiki/csb-theory">www.scalefour.org/wiki/csb-theory</a> (with no trailing slash) will be different from <a href="https://www.scalefour.org/wiki/csb-theory/">www.scalefour.org/wiki/csb-theory/</a>

(with a trailing slash).

weights

Write as "70 tons" (or "70 tonnes" if that is really what is meant). A wagon may be referred to as a "16t wagon" or a "16 ton wagon". For clarity, a ton is 2240lbs; a tonne (sometimes called a metric ton) is

1000kg.

whitemetal One word.

**W-iron** Capital 'W'; has hyphen.

workbench One word, no matter how many

items are strewn over it.

workmen's train Not "workman's train".

worm gear The gear which meshes with the

worm to constitute a typical model locomotive drive arrangement.

wormwheel One word.

## 3. Commonly used metric system units and symbols

Quantity measured	Unit	Symbol	Relationship	
Length, width,	millimetre	mm	10mm = 1cm	
distance,	centimetre	cm	100cm = 1m	
thickness,	metre	m		
girth, etc.	kilometre	km	1km = 1000m	
	milligram	mg	1000mg = 1g	
Mass	gram	g		
Mass	kilogram	kg	1kg = 1000g	
	metric ton (tonne)	t	1t = 1000kg	
Time	second	S		
Temperature	degree Celsius	degree Celsius °C		
Area	square metre	m²		
	hectare	ha	1ha = 10,000m <sup>2</sup>	
	square kilometre	km²	1km² = 100 ha	
Volume	millilitre	mL	1000mL = 1L	
	cubic centimetre	cm³	$1 \text{cm}^3 = 1 \text{mL}$	
	litre	L	$1000L = 1m^3$	
	cubic metre	m³		
Speed, velocity	metre per second	m/s		
	kilometre per hour	km/h	1 km/h = 0.278 m/s	
Density	kilogram per cubic metre kg/m³			
Force	newton N			
Pressure, stress	kilopascal	kPa		
_	watt	W		
Power	kilowatt	kW	1kW = 1000W	
Energy	kilojoule	kJ		
	megajoule	MJ	1MJ = 1000kJ	
	kilowatt hour	kWh	1kWh = 3.6MJ	
Electric current	ampere	А		
and voltage	voltage	V		

# 4. Commonly used metric prefixes

Prefix	Symbol	Factor	Numerically	Name
giga	G	10 <sup>9</sup>	1,000,000,000	billion
mega	М	10 <sup>6</sup>	1,000,000	million
kilo	k	10 <sup>3</sup>	1000	thousand
milli	m	10 <sup>-3</sup>	0.001	thousandth
micro	μ	10 <sup>-6</sup>	0.000,001	millionth
nano	n	10 <sup>-9</sup>	0.000,000,001	billionth

# 5. Commonly used imperial system units and symbols

Unit	Symbol	Note
thou	thou	1 thou equals 0.001in
inch	in	" is also acceptable
foot	ft	' is also acceptable
yard	yd	
mile	m or mile	Ensure no confusion with metre
ounce	OZ	16oz equals 1lb
pound	lb	
quarter	qtr	4qtr equals 1cwt
hundredweight	cwt	20cwt equals 1t
ton	t	1t equals 2240lb

There is no need to add an 's' to any unit symbol; so 168lb, not 168lbs.