

The following bibliography is substantially an expanded version of that in Richard Oliver, *Ordnance Survey maps: a concise guide for historians*, second edition, London: Charles Close Society, 2005. More extensive bibliographies will be found in Harley (1975), Hellyer (1999), Hodson (1999) and Mumford (1999). It has intentionally been confined to published material that ought to present no great problem of access: 'grey' literature such as unpublished conference papers and others with limited circulation have been intentionally excluded.

It should be noted that Oliver (2005), like Harley & Phillips (1964), is aimed at those wishing to use OS maps as a source for the history of the landscape, rather than as descriptions of map series *per se*.

## QUICK GUIDE TO PUBLISHED WRITING

### ***General history***

The standard 'semi-official' history is Seymour (1980), and the standard 'popular' history is Owen & Pilbeam (1992). Unfortunately there is nothing for the period from 1990 to date, when the OS has been politically more controversial than at any time since the mid-19th century. Older and much more incomplete accounts are Close (1932), Harley (1975), Harley & Phillips (1964) and Winterbotham (1936).

For 18th century studies see Close (1926/69), O'Donoghue (1977), Roy (2007), Skelton (1962, 1967), and Whittington & Gibson (1986).

For 19th century studies of various aspects see Boud (1986), Close (1926/69), Hellyer & Oliver (2009), Kain (1975), Oliver (1986a, 1991b, 2007a, 2008b) and Porter (2009b).

For a mid-20th century view see Cheetham (1945, 1946).

### ***Geodesy, map construction and sheet lines***

The best introduction to OS geodesy is in Adams (2006). More limited aspects, but with some additional bibliographic references, will be found in Fielden (2007), Harley (1975), and Winterbotham (1938a).

Small-scale (1:50,000 and smaller) sheet line layouts are given in Hellyer (1999). Aspects of them are discussed by Higley (2006) and Winterbotham (1932b).

### ***Grids and reference systems***

There is a comprehensive, if slightly inaccurate, history in Oliver (1995b). The introduction of various systems is covered in MacLeod *et al* (1936, 1939), Winterbotham (1933) and Winterbotham *et al* (1924). Interesting alternatives are described in Nolan (2007, 2008).

### ***Land valuation mapping***

The 'Lloyd George Domesday' mapping is described fully in Short (1997): a more popular account is included in Beech & Mitchell (2004). A later exercise is briefly noted in Armitage (1993); see also Winterbotham (1934a).

### ***Printing and edition codes***

There is an up-to-date account in Oliver (2008c).

### ***Ireland***

Publications on Ordnance Survey activity in Ireland are distinguished by quality rather than quantity, and a marked tendency to concentrate on the pre-1922 period: see J.H. Andrews (1975, 1993). A useful popular introduction is Ordnance Survey [Ireland] (1991). The wider context of Irish historical mapping will be found in Prunty (2004), and Doherty (2004) explores the non-map activities of the second quarter of the 19th century.

For *one-inch maps* see Hellyer (1995a, 2002) and Hellyer & Oliver (2004b, 2009). For a contemporary assessment of *Ordnance Survey of Northern Ireland* see Taylor (1969).

### ***Directorate of Overseas Surveys/OS International***

As with Ireland, writing is marked by quality rather than quantity. Macdonald (1996) and McGrath (1983) are both excellent. Balogun (1987) gives a case-study from Nigeria, and Porter (2009a) describes the basis of map series numbering.

### ***OS map series, in ascending order of scale***

#### ***Small-scale (to 1:20,000) mapping***

***Physical maps (1:1,000,000 and 1:625,000)***: Hellyer (1992a)

***Aviation mapping (mostly 1:500,000 and 1:253,440)***: Nicholson (1988).

***'Ten mile' maps (1:633,600, 1:625,000)***: Hellyer (1992b)

**'Quarter-inch' (1:253,440, 1:250,000):** There is no comprehensive account, but most of the story is covered in the following: Board (1981, 1983, 2001), Cruickshank (1985), Garvan (1982), Hellyer (1993), Johnston (1920), Oliver (1986b) and Wheeler (1999).

**'Half-inch' (1:126,720):** This is at present the most poorly served in print of any OS map family, and the following do not provide a coherent account: Batchelor (1986), 'D141414' (1984), Hellyer (1997b), Oliver (1986c).

**'One-inch' (1:63,360) and 1:50,000**

Strange to relate, there is no comprehensive history of this, the most familiar OS map family: the best substitute at present is Hodson (1991b). The only serious gap is a comprehensive account of the development of the 1:50,000.

**Old Series (England & Wales)**

Oliver (1997) was written as an introductory account: at the opposite extreme are the detailed introductory essays in Margary (1975-92). Various specialised aspects are treated in: Adams (2006), Bentley (1992), Carr (1962), Clarke (1969), Harley (1968), Hodson (1989, 1991a), Messenger (1991a,b), Oliver (2006), Oliver (2007b), Oliver & Hellyer (2007), Wheeler (1990, 1998, 2006b).

**Scotland (old engraved map, 1856-1913)**

The engraved forms are covered in Hellyer & Oliver (2009), and the coloured Third Edition in Hellyer & Oliver (2004a). Oliver (2008a) expands on some points of detail.

**New Series (England & Wales)**

The engraved forms are covered in Hellyer & Oliver (2009), the coloured form of the revised map in Nicholson (2002) and the coloured Third Edition in Hellyer & Oliver (2004a). For contemporary views of aspects of the mapping see Close (1905) and Farquharson (1900).

**Ireland (engraved map, to 1922)**

The engraved forms are covered in Hellyer & Oliver (2009) and the coloured forms in Hellyer (2002) and Hellyer & Oliver (2004a).

**Popular Edition (England & Wales)**

Hodson (1999b) is the most comprehensive account to date of a 20th century OS map series; it is based on a doctoral thesis (Hodson (1995)). Johnston (1920) provides a contemporary view; Hellyer (1997a) and Hellyer & Oliver (2004b) expand on points of detail.

**Popular Edition (Scotland)**

Oliver (2000a) provides a fairly detailed introduction. Matheson (1932) offers a contemporary view. K.S. Andrews (2009) describes some aspects of later 1940s covers.

**Fifth Edition**

Oliver (2000b) provides a detailed, but by no means exhaustive, introduction. For detailed aspects see De la Mare (2009), Hellyer (1997a) and Oliver (2004b). For contemporary views see Close (1932) and Winterbotham (1932a).

**New Popular Edition**

Oliver (2000a) provides a fairly detailed introduction. Cheetham (1946) offers a contemporary view. Hellyer & Oliver (2004b) describe the military version in detail. K.S. Andrews (2006, 2007a,b, 2008) explores aspects of the covers.

**Seventh Series**

Oliver (2004a) is an introduction, with a list of sheets and editions, but it by no means 'milks' the wealth of manuscript material available in The National Archives/Public Record Office and the OS/Charles Close Society Archive. Hellyer & Oliver (2004b) describe the military version in detail. K.S. Andrews (2005) and Wheeler (1996) describe points of detail; K.S. Andrews (2007c) describes an aspect of covers; Cooper (1998) describes field revision.

**1:50,000**

There is no satisfactory introduction to the series as a whole: Dear & Reid (1975) and Price (1975) are useful for early technical developments, whilst Regnaud & Revell (2007) and Revell *et al* (2007) go to the other extreme and describe experimental work which has not as yet appeared on a published map. Henwood (2002, 2005) and Oliver (1996b) address details.

**District and tourist maps**

There is an outline list in Cook & McIntosh (1991). For more detailed aspects of various aspects see McGrath (1967), and Nicholson (1991, 1994).

**1:25,000, also 1:20,000, 1:21,120 and 1:25,344**

The best published account is that in Hellyer (2003). Other contributions, mostly of aspects of the mapping from a contemporary point of view, are: Bell (1978), Cheetham (1946), Clayton (1953), Cole (1996, 2000s, 2004b), Cruickshank (1997), Donovan (2002), Monkhouse (1950), Oliver (1996b, 1999) and Wheeler (2009). The 'three-mile' mapping of London of the 1920s is treated by Board (1995a,b).

**Channel Islands**

A summary list, not quite complete, is Oliver (1993).

### ***1:10,560 and larger scale mapping***

Oliver (2005) is on the whole the most comprehensive *concise* account from the point of view of the map user who is not concerned with surveying methods. These latter have been treated from the surveyor's point of view in numerous articles by Cole (1997a,b,c, 1998a,b,c, 1999a,b, 2000b, 2001a,b, 2002, 2003a,b, 2004a, 2005a,b, 2007, 2008a,b,c, 2009a,b,c), and see also Budd (2001), Foster (2008), Lord (2003). Contributions from 'management' include Seymour & Irwin (1965), R.P. Wheeler (1948), Williams (1973), Willis (1932), Winterbotham (1934a,b, 1938b). Some points of detail are covered in Cruickshank (1997), Oliver (1989, 1991a) and Wheeler (2003, 2004). Aspects of the 'town scales' (1:1056, 1:528, 1:500) of the 19th century are described in Harley (1982), Cole (2001b) and Moore (1995).

***Air photo mosaics:*** Aspects of these are discussed in Board (1991, 2004).

### ***Air survey***

A comprehensive study of the use of air survey in OS work would be a huge contribution to the literature: Collier (2002) is a good start. For other aspects see Barber (2006) and Cole (2008c).

### ***Sir Charles [Frederick Arden-] Close***

Freeman (1985) offers a shortish biography and a nearly complete bibliography of published work; O'Brien (1992) gives a more contextual view.

### ***Collecting***

Different views are given by Parker (2009) and Perkins (2006).

### ***Commercial mapping***

An outline of commercial small-scale maps that were rivals in function to the OS is given in Oliver (1996c).

### ***Digital mapping developments***

This was known in its early days as 'automated cartography'. Articles such as Bell (1978), Howard (1968) and Irwin (1971) are firmly historical. Those by Lilley (2007), Regnauld & Revell (2007), Revell *et al* (2007) and Wesson (2007) were included in a special OS issue of *The Cartographic Journal*.

### ***Engraving***

Contemporary and historical accounts are James (1875), Johnston (1902), Mumford (1968) and Mumford & Clark (1968). No first-hand account by an OS engraver is known, but Cooney (1987), drawing on Hydrographic Department experience, is a useful substitute.

### ***Map packaging and covers***

A general introduction is Board (1993); Cruickshank and Archer (1987) describe terminology; Browne (1991) illustrates almost all of the covers which have been used by OS on their published maps.

### ***Map production and printing***

The most important contemporary accounts, in chronological order, are James (1875), Sankey (1995), Johnston (1902), Craster (1925), Withycombe (1925), Dennett *et al* (1967) and Simmonds (1976). Withycombe (1929) discusses map lettering. Mumford (1972, 1999) are important; Woodward (1966) supplies a significant point of detail. Challis (2002) gives background to producing Harley (1975).

### ***Map selling***

That in the 19th century is covered in Margary (1975-92, especially vols 4, 5 and 7); see also Aylward (1971); for the map market in the 1970s see Drewitt (1973, 1975).

### ***Overseas comparisons:***

The following is a selection of literature in English on overseas mapping organisations, mostly published by the Charles Close Society:

*Eastern Europe generally:* Collier *et al* (1996), Davies (2007).

*France (1:50,000):* Wheeler (2006a).

*Germany (1919-39):* Cruickshank (2005), Tatham (1978).

*Germany ('Democratic Republic'):* Cruickshank (2007).

*Netherlands:* Smit (1993).

*Russia (as U.S.S.R.):* Cruickshank (2007, 2008), Davies (2005a,b), Watt (2005)

An example of *Ordnance Survey* overseas mapping (of Wei-hei-wei, China) is described by Nolan (2006).

### **William Roy**

O'Donoghue (1977); Roy (2007).

### **Staffing and organisation**

This is little studied: Archer (2007, 2009) hint at what might be possible: see also Cole (1998a, 2009a).

### **SPECIFIC POINTS OF DETAIL**

The following supplement and expand on the basic information in Oliver (2005):

**Airfields:** Blake (2000), Marris (2007), Nicholls (1996).

**Archaeology: depiction:** Beresford (1992), Close (1932), Crawford (1922), Haverfield (1906), Phillips (1965, 1980), Wheeler (2009). *OS Archaeology Officers:* Crawford (1955), Hauser (2008), Phillips (1987).

**Boundaries:** Booth (1980), Fletcher (1999), Kain & Oliver (2001), Wheeler (2009), Winchester (1990).

**Buildings:** Messenger (1991c), Mills & Wheeler (2007), Noble (2006), Oliver (2008d).

**Censorship:** Board (1991, 1995a,b, 2004), Higley (2007), Warburton (2006).

**Coastal mapping:** Carr (1962), Oliver (1996a).

**Contours:** Clayton (1953), H. Collier (1972), Oliver (2005), Warburton (2007).

**Domesday book (OS facsimile):** Henwood (2009).

**Geological mapping and OS:** Herries Davies (1983, 1995), Harley (1971b).

**Hydrology:** Ovenden (1981).

**Land registration:** Sweeney & Simpson (1967).

**Land-use mapping:** Harley (1979), Oliver (1992), Willatts (1988).

**Milestones:** Oliver (2002).

**Military mapping:** Hellyer & Oliver (2004b), Nicholson (1988a,b, 1992), Nolan (2006), Oliver (2004b).

**Placenames:** Dancy (2006), Harley (1971a), Harley & Walters (1982), Withers (2000).

**Railways:** Messenger (1989), Oliver (1995a), Townley (1995), Young (1999).

**Relief treatment:** McGrath (1967), Jones (1974).

**Rights of way:** Hodson (1999a, 2000, 2002, 2005); Riddell & Trevelyan (2007).

**Roads:** Bentley (1992).

**Trigonometrical points:** Wheeler (1996).

**Windmills:** Bignell (1993).

**Worship, places of:** King (1995), Oliver (1990).

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