

TO: Kristin Lindlan
FROM: Mary L. Larsgaard
RE: Clean copy of Chapter 3, with revisions from JSC meeting, October 2001
DATE: 11/7/2001

Following is a clean copy of Chapter 3, including revisions from JSC constituencies that were discussed at the JSC meeting of October 15-17, 2001, at the National Library of Canada, Ottawa. I would appreciate CC:DA's prompt attention to this document, so that it may be quickly sent on to JSC for their consideration, and thus be included in the 2002 Amendments to AACR2R.

My thanks to CC:DA for its assistance and support during the past two years of consideration of changes to Chapter 3.

List of Changes

- Table of Contents, 3.3E: Change 'File characteristics' to 'Type and extent of resource'
- Table of Contents, 3.4G: Change to 'Place of printing, etc., name of printer, etc., date of printing, etc.'
- Table of Contents, 3.5: Indentions corrected. 3.5C3 is 'Production method', 3.5C4 is 'Number of maps in an atlas', 3.5C5 is 'Color', and 3.5C6 is 'Medium'. 3.5D3 is 'Model'.
- 3.0B3: 'Mathematical data' is changed to 'Mathematical and other material specific details'.
- 3.0D: 'mathematical data area' is changed to 'mathematical and other material specific details area'.
- 3.0J1: In the examples concerning the Ordnance Survey maps, the publisher is changed from 'The Survey' to 'Ordnance Survey'. Also, in the last example, 'Sheet 145 : Banbury' should be 'Sheet 145: Banbury' and 'Sheet AA29 : Locks' is changed to 'Sheet AA29: Locks'.
- 3.1F2: Added back into the chapter. Example changed from '[edited by]' to '[prepared by]'.
- 3.2B1: In last example, e following 2 is changed to a superscript e.
- 3.2B4: In first example, e following 3 is changed to a superscript e.
- 3.3: 'File characteristics' is changed to 'Type and extent of resource'.
- 3.3A1: Last instruction ('If both point/vector object count and VPF level are given, precede the VPF level by a space, semicolon, space') is deleted.
- 3.3A3: Change 'file characteristics' to 'type and extent of resource'. In second example, delete leading zero in the first latitude number – change to 'S 9...' instead of 'S 09...'

- 3.3B1: In third paragraph, change 'prescribed source' to 'chief source'. In the second sentence of the 'Optionally' paragraph, change 'Scale indeterminable' to 'Scale not given.'
- 3.3B4: In both a) and b), change 'If there is only one title, give the largest scale first' to 'If there is only a collective title, give the largest or larger scale first.'
- 3.3D1: In the second example following the second paragraph, change the spacing in the statement of latitude from '... 30'12" – S 2...' to '...30'12-S 2..'
- At the beginning of the 7th paragraph, change 'Polygons must have ...' to 'Polygons have ...'
- 3.3E: Change 'File characteristics' to 'Type and extent of resource'.
- 3.3E1: Change 'file characteristics' to 'type and extent of resource'.
- 3.3F1: Use CCC wording and examples rather than ALA wording and examples.
- 3.3G1: This is a question – is 12.3 still the correct reference in the sentence, 'Give the numbering for the item as instructed in 12.3'?
- 3.5B4: Add to the example following the first paragraph, '(Originally issued as a set with an atlas; each catalogued separately)'. Delete second paragraph and its examples.
- 3.5C1: Delete example.
- 3.5C4: Move first example to be the last example in 3.5C5. Add four examples as per LC and CCC responses.
- 3.5C5: Change '1 ms. map : hand col.' to '1 ms. map : col.' Add an example, '1 map : hand col.'
- Move first example from 3.5C4 to be last example in 3.5C5.
- 3.5C6: Change second example from 'pencil on Mylar' to 'ink on Mylar'.
- 3.5D1: In first paragraph, the 'Optionally' sentence is changed to the CCC wording.
- 3.7B: The rule should begin on a separate line, as it does in current Chapter 3.
- 3.7B5: There should be only the two examples in current Chapter 3, and they should be the same as they are in current Chapter 3.
- 3.7B8: Change 'Mathematical and other cartographic data' to 'Mathematical and other material specific details'. Change all occurrences of "mathematical data area" to "mathematical and other material specific details area."
- Add a new second example to the last paragraph and examples, using CCC wording.
- 3.7B18: After the second paragraph, add to the examples a new example, which will be the sixth example –'Maps, text, and col. ill. on verso'. Correct what is now the tenth example, so that the scale is not 1:60,000 but rather 1:600,000.
- 3.8C1: Change 'serial item' to 'resource'.
- Glossary, cartographic material: lower-case the first letter of the word, Earth.
- Glossary, chart (cartography): De-italicize the last word, 'Map'.

CHAPTER 3

CARTOGRAPHIC MATERIALS

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3.0. GENERAL RULES

3.0A. Scope

3.0A1. The rules in this chapter cover the description of cartographic materials of all kinds. Cartographic materials include all materials that represent the whole or part of the earth or any celestial body. These include two- and three-dimensional maps and plans (including maps of imaginary places); aeronautical, nautical, and celestial charts; atlases; globes; block diagrams; sections; aerial photographs with a cartographic purpose; bird's-eye views (map views); etc. They do not cover in detail the description of early or manuscript cartographic materials, though the use of an additional term in the physical description (see 3.5B) and/or the use of the specific instructions in chapter 4 will furnish a sufficiently detailed description for the general library catalogue. For items falling within the scope of other chapters but presenting cartographic information (e.g., some wall charts, some playing cards), consult the rules in this chapter in conjunction with those of the chapter appropriate to the item.

3.0B. Sources of information

3.0B1. For sources of information for a printed atlas, see 2.0B.

3.0B2. Chief source of information. The chief source of information for other than a printed atlas (in order of preference) is:

- a) the cartographic item itself; when an item is in a number of physical parts, treat all the parts (including a title sheet) as the cartographic item itself
- b) container (e.g., portfolio, cover, envelope) or case, the cradle and stand of a globe, etc.

If information is not available from the chief source, take it from any accompanying printed material (e.g., pamphlets, brochures).

3.0B3. Prescribed sources of information. The prescribed source(s) of information for each area of the description of cartographic materials is set out below. Enclose information taken from outside the prescribed source(s) in square brackets.

AREA	PRESCRIBED SOURCES OF INFORMATION
Title and statement of responsibility	Chief source of information
Edition	Chief source of information, accompanying printed material
Mathematical and other material specific details	Chief source of information, accompanying printed material
Publication, distribution, etc.	Chief source of information, accompanying printed material
Physical description	Any source
Series	Chief source of information, accompanying printed material
Note	Any source
Standard number and terms of availability	Any source

3.0C. Punctuation

For the punctuation of the description as a whole, see 1.0C.

For the prescribed punctuation of elements, see the following rules.

3.0D. Levels of detail in the description

Follow the instructions in 1.0D. Additionally, in a first-level description include the scale in the mathematical and other material specific details area and, in a second-level description, include all the mathematical data specified in 3.3A-3.3D.

3.0E. Language and script of the description

See 1.0E.

3.0F. Inaccuracies

See 1.0F.

3.0G. Accents and other diacritical marks

See 1.0G.

3.0H. Items with several chief sources of information

See 1.0H.

3.0J. Description of whole or part

3.0J1. In describing a collection of maps, describe the collection as a whole *or* describe each map (giving the name of the collection as the series), according to the needs of the cataloguing agency. If the collection is catalogued as a whole and descriptions of the individual parts are considered desirable, see chapter 13. If in doubt whether to describe the collection as a whole or to describe each part separately, describe the collection as a whole.

Description of the collection as a whole

Ordnance Survey of Great Britain one inch to one mile map [GMD] : seventh series. – Scale 1:63,360. – Chessington : Ordnance Survey, 1952-1974. – 190 maps : col. ; 71 × 64 cm.

[Plans of the Rideau Canal from Kingston Bay to Ottawa] [GMD] / [signed by] John By ... [et al.]. – Scales differ. – 1827-1828. – 28 ms. maps : col. ; 74 × 234 cm. or smaller. – Provenance stamps: Board of Ordnance, Inspector General of Fortifications; sheets AA3-6, 9-11, 13-32

Description of one map—separate description

Banbury [GMD] / Ordnance Survey. – [Ed.] B. – Scale 1:63,360. – Southampton : Ordnance Survey, 1968. – 1 map : col. ; 71 × 64 cm. – (Ordnance Survey of Great Britain one inch to one mile map : seventh series ; sheet 145). – “Fully revised 1965-66”

Locks and dams at Merrick Mills, sect. no. 5 [GMD] / [signed by] John By. – Scale [1:1,050]. – 1827 Oct. 25. – 1 ms. map : col. ; 65 × 75 cm. – ([Plans of the Rideau Canal from Kingston Bay to Ottawa / signed by] John By ... [et al.] ; sheet AA29). – Provenance stamps: Board of Ordnance, Inspector General of Fortifications

Description of one map—multilevel description

Ordnance Survey of Great Britain one inch to one mile map [GMD] : seventh series. – Scale 1:63,360. – Chessington : Ordnance Survey, 1952-1974. – 190 maps : col. ; 71 × 64 cm.

Sheet 145: Banbury. – [Ed.] B. – Southampton, 1968. – 1 map : col. ; 71 × 64 cm. – “Fully revised 1965-66”

[Plans of the Rideau Canal from Kingston Bay to Ottawa] [GMD] / [signed by] John By ... [et al.]. – Scales differ. – 1827-1828. – 28 ms. maps : col. ; 74 × 234 cm. or smaller

Sheet AA29: Locks and dams at Merrick Mills, sect. no. 5. – Scale [1:1,050]. – 1827 Oct. 25. – 1 ms. map : col. ; 65 × 75 cm. – Provenance stamps: Board of Ordnance, Inspector General of Fortifications

3.1. TITLE AND STATEMENT OF RESPONSIBILITY AREA

Contents:

- 3.1A. Preliminary rule
- 3.1B. Title proper
- 3.1C. General material designation
- 3.1D. Parallel titles
- 3.1E. Other title information
- 3.1F. Statements of responsibility
- 3.1G. Items without a collective title

3.1A. Preliminary rule

3.1A1. Punctuation

For instructions on the use of spaces before and after prescribed punctuation, see 1.0C.

Precede the title of a supplement or section (see 1.1B9) by a full stop.

Enclose the general material designation in square brackets.

Precede each parallel title by an equals sign.

Precede each unit of other title information by a colon.

Precede the first statement of responsibility by a diagonal slash.

Precede each subsequent statement of responsibility by a semicolon.

For the punctuation of this area for items without a collective title, see 1.1G.

3.1B. Title proper

3.1B1. Transcribe the title proper as instructed in 1.1B.

Historical north England

A map of the county of Essex

Road map of 50 miles around London

England & Wales

The Edinburgh world atlas, or, Advanced atlas of modern geography

Bouguer gravity anomaly map of Tennessee

Františkovy Lázně orientační plán

British maps of the American Revolution

The Faber atlas

Map of Middle Earth

Geographia marketing and sales maps of Europe

If the title proper is not taken from the chief source of information, give the source of the title in a note (see 3.7B3).

3.1B2. If the title proper includes a statement of the scale, include that statement in the transcription.

Topographic 1:500,000 low flying chart

New half-inch cycling road maps of England and Wales

3.1B3. If the chief source of information bears more than one title, choose the title proper as instructed in 1.1B8 if the titles are in two or more languages or scripts. Record the other titles as parallel titles. If both or all of the titles are in the same language and script, choose the title proper on the basis of the sequence or layout of the titles. If these are insufficient to enable the choice to be made or are ambiguous, choose the most comprehensive title. Record the other titles in a note if considered to be important (see 3.7B4).

Give the source of the title proper in a note if considered to be important (see 3.7B3).

3.1B4. If the item lacks a title, supply one as instructed in 1.1B7. Always include in the supplied title the name of the area covered.

[Map of Ontario]

[Lunar globe]

[Gravity anomaly map of Canada]

[Relief model of California showing vegetation]

[Nautical chart of the coast of Maine from Cape Elizabeth to Monhegan Island]

3.1C. *Optional addition.* General material designation

3.1C1. Give immediately following the title proper the appropriate general material designation as instructed in 1.1C.

Central Europe [GMD]

Camden's Britannia, 1695 [GMD]

Decca aeronautical plotting chart [GMD]

3.1C2. If an item contains parts belonging to materials falling into two or more categories, and if none of these is the predominant constituent of the item, give either *multimedia* or *kit* as the designation (see 1.1C1 and 1.10C1).

3.1D. Parallel titles

3.1D1. Transcribe parallel titles as instructed in 1.1D.

Suomi [GMD] = Finland

International map of natural gas fields in Europe [GMD] = Carte internationale des champs de gaz naturel en Europe

Mobil street map of Durban [GMD] = Straatkaart van Durban

3.1E. Other title information

3.1E1. Transcribe other title information as instructed in 1.1E.

Canada [GMD] : a pictorial & historical map

Ethelreda's Isle [GMD] : a pictorial map of the Isle of Ely to commemorate the 1300th anniversary of the founding of Ely's conventual church

Motor road map of south-east England [GMD] : showing trunk and other classified roads

Kaunispää-Kopsusjärvi [GMD] : ulkoilukartta

3.1E2. If the title proper does not include an indication of the geographic area covered by the item and if the other title information does not include such an indication or if there is no other title information, supply, as other title information, a word or brief phrase indicating the area covered.

Vegetation [GMD] : [in Botswana]

3.1F. Statements of responsibility

3.1F1. Transcribe statements of responsibility relating to persons or bodies as instructed in 1.1F.

Football history map of England and Wales [GMD] : showing ... the colours and locations of all the clubs in the Football League ... / compiled by John Carvosso

The English pilot, the fifth book [GMD] / J. Seller & C. Price

A map book of West Germany [GMD] / A.J.B. Tussler, A.J.L. Alden

Road atlas Europe [GMD] / Bartholomew

World atlas [GMD] / compiled by Rand McNally International

The Wills south coast yachting guide [GMD] / edited by The daily express

Flugbild Schweiz [GMD] = Vue aérienne Suisse = Air view Switzerland / Swissair Photo + Vermessungen AG

Maps & plans of the operations, movements, battles & sieges of the British Army, during the campaigns in Spain, Portugal, and the south of France, from 1808 to 1814 [GMD] / compiled by Lieut. Godwin ; engraved by Jas. Wyld

Glacial map of Tasmania [GMD] / compiled by E. Derbyshire ... [et al.]

[Pocket terrestrial globe] [GMD] / J. Moxon

Mondmapo [GMD] / laŭ la decidoj de Internacia Komisiono por Ordigo de Geografiaj Nomoj ; redaktis, Tibor Sekelj

Wheaton's atlas of British and world history [GMD] / by T.A. Rennard ; editors, H.E.L. Mellersh and B.S. Trinder ; maps prepared by David A. Hoxley

3.1F2. Add a word or short phrase to the statement of responsibility if the relationship between the title and the person(s) or body (bodies) named in the statement is not clear.

Maps of the Mid-west [GMD] / [prepared by] D.M. Bagley

3.1G. Items without a collective title

3.1G1. If a cartographic item lacks a collective title, *either* describe the item as a unit (see 3.1G2 and 3.1G3), *or* make a separate description for each separately titled part (see 3.1G4), *or* (in certain circumstances) supply a collective title (see 3.1G5).

3.1G2. In describing as a unit a cartographic item lacking a collective title, transcribe the titles of the individual parts as instructed in 1.1G3.

Grand Teton [GMD] ; Yellowstone National Park
(*Both maps produced by the same body*)

Daily mail motor road map of London and twelve miles round [GMD].
Motor road map of south-east England
(*Maps produced by different bodies*)

3.1G3. Make the relationship between statements of responsibility and the parts of an item lacking a collective title and described as a unit clear by additions as instructed in 1.1F8.

France [GMD] ; Germany / drawn by L. Scott [France] & P. McComb
[Germany]

3.1G4. *Optionally*, make a separate description for each separately titled part of an item lacking a collective title. For the statement of the extent in each of these descriptions, see 3.5B4. Link the separate descriptions with notes (see 3.7B21).

3.1G5. If a cartographic item lacking a collective title consists of a large number of physically separate parts, supply a collective title as instructed in 3.1B4.

[Maps of Denmark]

[Collection of tourist maps of Thailand published by various authorities]

[Ontario county and district maps colour series]

3.2. EDITION AREA

Contents:

- 3.2A. Preliminary rule
- 3.2B. Edition statement
- 3.2C. Statements of responsibility relating to the edition
- 3.2D. Statement relating to a named revision of an edition
- 3.2E. Statements of responsibility relating to a named revision of an edition

3.2A. Preliminary rule

3.2A1. Punctuation

For instructions on the use of spaces before and after prescribed punctuation, see 1.0C.

Precede this area by a full stop, space, dash, space.

Precede a statement relating to a named revision of an edition by a comma.

Precede the first statement of responsibility following an edition statement by a diagonal slash.

Precede each subsequent statement of responsibility by a semicolon.

3.2B. Edition statement

3.2B1. Transcribe a statement relating to an edition of a work that contains differences from other editions of that work, or to a named reissue of a work, as instructed in 1.2B.

2nd ed.

1974 new ed.

Rev. et corr.

Facsim. ed.

2^e éd.

3.2B2. In case of doubt about whether a statement is an edition statement, follow the instructions in 1.2B3.

3.2B3. *Optional addition.* If an item lacks an edition statement but is known to contain significant changes from other editions, supply a suitable brief statement in the language and script of the title proper and enclose it in square brackets.

[5th ed.]

[Nouv. éd.]

3.2B4. If an edition statement appears in more than one language or script, transcribe the statement that is in the language or script of the title proper. If this criterion does not apply, transcribe the statement that appears first.

Carte géologique internationale de l'Europe [GMD] = International geological map of Europe. – 3^e éd.

Optionally, transcribe the parallel statement(s), each preceded by an equals sign.

3.2B5. If an item lacking a collective title and described as a unit contains one or more works with an associated edition statement, transcribe such statements following the titles and statements of responsibility to which they relate, separated from them by a full stop.

3.2C. Statements of responsibility relating to the edition

3.2C1. Transcribe a statement of responsibility relating to one or more editions, but not to all editions, of a cartographic item as instructed in 1.2C and 3.1F.

3rd ed. / with maps redrawn by N. Manley

3.2D. Statement relating to a named revision of an edition

3.2D1. If an item is a named revision of an edition, transcribe the statement relating to that revision as instructed in 1.2D.

9th ed., Repr. with summary of the 1961 census and suppl. of additional names and amendments

4th ed., Roads rev.

[Ed.] A, [Three bars, one star]

(*Appears on item as: A ≡ ★*)

Do not record statements relating to a reissue that contains no changes unless the item is considered to be of particular importance to the cataloguing agency.

3.2E. Statements of responsibility relating to a named revision of an edition

3.2E1. Transcribe a statement of responsibility relating to one or more named revisions of an edition (but not to all such revisions) as instructed in 1.2E and 3.1F.

3.3. MATHEMATICAL AND OTHER MATERIAL SPECIFIC DETAILS AREA

Contents:

- 3.3A. Preliminary rule
- 3.3B. Statement of scale
- 3.3C. Statement of projection
- 3.3D. Statement of coordinates and equinox
- 3.3E. Type and extent of resource
- 3.3F. Digital graphic representation
- 3.3G. Numbering related to serials

3.3A. Preliminary rule

3.3A1. Punctuation

- For instructions on the use of spaces before and after prescribed punctuation, see 1.0C.
- Precede this area by a full stop, space, dash, space.
- Precede each repetition of this area by a full stop, space, dash, space.
- Precede the projection statement by a semicolon.
- Enclose the statement of coordinates and equinox in one pair of parentheses.
- If both coordinates and equinox are given, precede the statement of equinox by a semicolon.
- Precede the statement of epoch by a comma.
- Precede the object type by a space, colon, space.
- Enclose each statement on the number of objects in parentheses after the object type.
- Precede the format name by a space, semicolon, space.

3.3A2. Use English words and abbreviations in this area.

3.3A3. If more than one material specific details area is required, give them in the following order: mathematical details; type and extent of resource; digital graphic representation; and numbering related to serials.

Scale not given (W 138°59'–W 93°47'/N 74°25'–N 69°16'). – Electronic data

Scale 1:250,000 ; universal transverse Mercator proj. (E 138.00°–E 153.92°/S 9.00°–S 29.83°). – Electronic data. – Raster : pixel. – 1966-

3.3B. Statement of scale

3.3B1. Give the scale of a cartographic item (except as noted below) as a representative fraction expressed as a ratio (1:). Precede the ratio by *Scale*. Give the scale even if it is already recorded as part of the title proper or other title information.

Scale ca. 1:36,000,000
(*Scale as it appears on the item*)

Bartholomew one inch map of the Lake District [GMD]. – Rev. – Scale
1:63,360

If a scale statement found in the chief source of information or accompanying material is not expressed as a representative fraction give it as a representative fraction in square brackets.

Scale [1:253,440]
(*Scale statement reads: 1 inch to 4 miles*)

If a representative fraction or other scale statement is found in a source other than the chief source of information (e.g., on a container or case not used as the chief source) or accompanying material, give the scale as a representative fraction in square brackets.

Scale [1:63,360]

If no scale statement is found in the chief source of information or accompanying material nor on the item's container or case, estimate a representative fraction from a bar scale or a grid. Give in square brackets the representative fraction preceded by *ca.*

Scale [ca. 1:63,360]

If no scale can be determined by any of the above means, give *Scale not given.*

Optionally, estimate a scale by comparison with a cartographic item of known scale and give in square brackets the estimated scale preceded by *ca.* If no scale can be determined by comparison, give the statement *Scale not given.*

For electronic resources, give the scale if the resource has a scale statement or if the scale is already recorded as part of the title proper or other title information. Otherwise, give *Scale not given.*

Scale 1:3,000,000

(*Scale appears in title: ArcWorld 1:3M*)

3.3B2. *Optional addition.* Give additional scale information that is found on the item (such as a statement of comparative measures or limitation of the scale to particular parts of the item). Use standard abbreviations and numerals in place of words. Precede such additional information by a full stop.

Scale 1:250,000. 1 in. to 3.95 miles. 1 cm. to 2.5 km.

Quote the additional scale information if:

- a) the statement presents unusual information that cannot be verified by the cataloguer
- or b) a direct quotation is more precise than a statement in conventional form
- or c) the statement on the item is in error or contains errors.

Scale 1:59,403,960. "Along meridians only, 1 inch = 936 statute miles"

Scale [ca. 1:90,000] not "1 inch to the mile"

3.3B3. If the scale within one item varies and the outside values are known, give both scales connected by a hyphen.

Scale 1:15,000-1:25,000

If the values are not known, give *Scale varies.*

3.3B4. In describing a cartographic item in which the main maps, etc., are of more than one scale, give *Scales differ.*

Optionally:

- a) If the description is of a cartographic item with two or more scales, and the projections and/or coordinates are also different for each main item, give each scale in a separate scale statement. If there is more than one title, give the scale statements in the same order in which the titles are given. If there is only a collective title, give the largest or larger scale first.

Scale 1:50,000 (W 94°42'4"–W 93°00'00"/N 49°00'00"–N 48°31'00"). –
 Scale 1:250,000 (W 94°43'–W 92°00'/N 49°00'–N 48°13')

- b) If the description is of a cartographic item with two or more scales, and the projection and coordinates are the same for each main item, give the scales in one scale statement. If there is more than one title, give the scales in the same order in which the titles are given. If there is only a collective title, give the largest or larger scale first.

Scale 1:7,819,000 and [ca. 1:15,000,000] (E 66°–E 138°/N 54°–N 18°)

Optionally, give each scale with its associated mathematical data in separate scale statements.

Scale 1:7,819,000 (E 66°–E 138°/N 54°–N 18°). – Scale [ca. 1:15,000,000]
 (E 66°–E 138°/N 54°–N 18°)

3.3B5. If an item is not drawn to scale, give *Not drawn to scale*. Do not estimate a scale.

3.3B6. Give a statement of scale for a cartographic item with a nonlinear scale (e.g., celestial charts; some maps of imaginary places) only if the information appears on the item. If no scale statement is found on the item, give *Scale not given*. Do not estimate a scale.

Scale 1' per 2 cm.

3.3B7. In describing a relief model, other three-dimensional item, or a two-dimensional representation of a three-dimensional item (e.g., block diagram, profile), give the vertical scale (specified as such) after the horizontal scale if the vertical scale can be ascertained.

Scale 1:744,080. 1 in. to ca. 28 miles. Vertical scale ca. 1:96,000

Scale 1:250,000. Vertical exaggeration 1:5

3.3C. Statement of projection

3.3C1. Give the statement of projection if it is found on the item, its container or case, or accompanying printed material. Use abbreviations as instructed in appendix B and numerals as instructed in appendix C.

; conic equidistant proj.

3.3C2. *Optional addition.* Give phrases associated with the projection statement that concern meridians and/or parallels. Information about ellipsoids may be given in a note (see 3.7B8).

; transverse Mercator proj., central meridian 35°13'30"E

; azimuthal equidistant proj. centered on Nicosia, N 35°10', E 33°22'

3.3D. Optional addition. Statement of coordinates and equinox

3.3D1. For terrestrial maps, etc., give the coordinates in the following order:

westernmost extent of area covered by item (longitude)
 easternmost extent of area covered by item (longitude)
 northernmost extent of area covered by item (latitude)
 southernmost extent of area covered by item (latitude)

Express the coordinates in degrees ($^{\circ}$), minutes ($'$), and seconds ($''$) of the sexagesimal system (360° circle) taken from the Greenwich prime meridian. Precede each coordinate by W, E, N, or S, as appropriate. Separate the two sets of longitude and latitude by a diagonal slash, neither preceded nor followed by a space. Separate each longitude or latitude from its counterpart by a dash, neither preceded nor followed by a space.

(E 79° –E 86° /N 20° –N 12°)

(E $15^{\circ}00'00''$ –E $17^{\circ}30'45''$ /N $1^{\circ}30'12''$ –S $2^{\circ}30'35''$)

(W $74^{\circ}50'$ –W $74^{\circ}40'$ /N $45^{\circ}5'$ –N $45^{\circ}00'$)

Optionally, record coordinates as decimal degrees. Coordinates given in decimal degrees for locations east of Greenwich and north of the equator are expressed as positive numbers and may be preceded by a plus sign. Locations west of Greenwich and south of the equator are expressed as negative numbers and are preceded by a minus sign. Do not include the plus or minus sign, but precede each coordinate by W, E, N, or S, as appropriate.

(W 95.15° –W 74.35° /N 56.85° –N 41.73°)

Optional addition. In situations where a more precise indication of geographic coverage is desired, describe each closed polygon using a string of coordinate pairs, in which each pair represents a vertex of the polygon.

List coordinate pairs in clockwise order, starting with the southeasternmost vertex of the polygon. In each coordinate pair, give longitude, followed by latitude, and express each in degrees, minutes, and seconds as appropriate to the size of the area being described.

Enclose each coordinate pair string in parentheses; separate longitude from latitude in any one pair with a diagonal slash, and separate coordinate pairs within a string with space, semicolon, space.

Polygons have non-intersecting boundaries. The first and last coordinate pairs are the same.

(W 114° /N 32° ; W 117° /N 33° ; W 121° /N 35° ; W 125° /N 43° ; W 120° /N 42° ; W 120° /N 39° ; W 115° /N 34° ; W 114° /N 32°)

For situations in which an area or areas within a given polygon are excluded, list the coordinate pairs for any excluded area as given above, but in counterclockwise order.

(W $115^{\circ}40'$ /N $33^{\circ}15'$; W $115^{\circ}35'$ /N $33^{\circ}20'$; W $115^{\circ}55'$ /N $33^{\circ}32'$; W $116^{\circ}5'$ /N $33^{\circ}32'$; W $116^{\circ}10'$ /N $33^{\circ}30'$; W $115^{\circ}50'$ /N $33^{\circ}20'$; W $115^{\circ}40'$ /N $33^{\circ}15'$)

Optionally, give other meridians found on the item in the note area (see 3.7B8).

3.3D2. For celestial charts, give as coordinates the right ascension of the item, or the right ascensions of the western and eastern limits of its collective coverage, and the declination of the centre of the item, or the northern and southern limits of its collective coverage.

Designate the right ascension by *RA*, followed by the hours and, when necessary, minutes and seconds of the twenty-four-hour clock.

Designate the declination by *Decl.*, followed by the degrees ($^{\circ}$) and, when necessary, minutes ($'$) and seconds ($''$) of the sexagesimal system (360° circle), using a plus sign (+) for the northern celestial hemisphere and a minus sign ($-$) for the southern celestial hemisphere.

Separate right ascensions and declinations from each other by a diagonal slash, neither preceded nor followed by a space. When two right ascensions are found, give both separated by *to*. When two declinations are found, give both separated by *to*.

When coordinates are given, give also the statement of equinox. Express the equinox as a year preceded by a semicolon and *eq.* Give also a statement of the epoch when it is known to differ from the equinox. Separate it from the statement of the equinox by a comma, and precede it by *epoch*.

(RA 16 hr. 30 min. to 19 hr. 30 min./Decl. -16° to -49° ; eq. 1950, epoch 1948.5)

(RA 16 hr./Decl. -23° ; eq. 1950)

(RA 2 hr./Decl. $+30^{\circ}$; eq. 1950)

(RA 2 hr. 00 min. to 2 hr. 30 min./Decl. -30° to -45° ; eq. 1950)

For charts centered on a pole, give the declination limit.

(Centered at South Pole/Decl. limit -60°)

For atlases or collections of charts arranged in declination zones, give the declination limits of each zone, but omit the statement of right ascension. If the zones are numerous, give the declination limits of the first few zones followed by the mark of omission and the declination limit of the last zone.

(Zones $+90^{\circ}$ to $+81^{\circ}$, $+81^{\circ}$ to $+63^{\circ}$, $+63^{\circ}$ to $+45^{\circ}$; eq. 1950)

(Zones $+90^{\circ}$ to $+81^{\circ}$, $+81^{\circ}$ to $+63^{\circ}$, ... -81° to -90° ; eq. 1950)

3.3E. Type and extent of resource

3.3E1. Give the type and extent of resource for the item as instructed in 9.3.

Scale not given (W $138^{\circ}59'$ –W $93^{\circ}47'$ /N $74^{\circ}25'$ –N $69^{\circ}16'$). – Electronic data

3.3F. Digital graphic representation

3.3F1. For an electronic resource, if the information is readily available, give the data type (e.g., raster, vector, point), the object type (e.g., point, line, polygon, pixel), the number of objects used to represent spatial information, and the format name (e.g., digital transfer information) as it appears on the item. More detailed information such as topology level (e.g., VPF) and compression may be given in a note (see 3.7B8).

Point : point ; ASCII

Raster : pixel (5,000 x 5,000) ; TIFF

Vector ; Shape

Vector : points, lines and polygons

Vector : network chains

Vector : point (13671), string (20171), GT-polygon composed of chains (13672) ; ARC/INFO export

Vector ; MID/MIF

3.3G. Numbering related to serials

3.3G1. Give the numbering for the item as instructed in 12.3.

Scale 1:3,000,000 at 45° N ; polar stereographic proj. (W 140°–W 52°/ N 78°–N 41°). – 1st ed. (1976)-

Scale 1:3,000,000 at 45° N ; polar stereographic proj. (W 140°–W 52°/ N 78°–N 41°). – 1st ed. (1976)-3rd ed. (1978)

Scales differ. – Feb. 28-Mar. 6, 1983-Nov. 12-18, 1984

3.4. PUBLICATION, DISTRIBUTION, ETC., AREA

Contents:

3.4A. Preliminary rule

3.4B. General rule

3.4C. Place of publication, distribution, etc.

3.4D. Name of publisher, distributor, etc.

3.4E. Statement of function of publisher, distributor, etc.

3.4F. Date of publication, distribution, etc.

3.4G. Place of printing, etc., name of printer, etc., date of printing, etc.

3.4A. Preliminary rule

3.4A1. Punctuation

For instructions on the use of spaces before and after prescribed punctuation, see 1.0C.

Precede this area by a full stop, space, dash, space.

Precede a second or subsequently named place of publication, distribution, etc., by a semicolon.

Precede the name of a publisher, distributor, etc., by a colon.

Enclose a supplied statement of function of a publisher, distributor, etc., in square brackets.

Precede the date of publication, distribution, etc., by a comma.

Enclose the details of printing, etc., (place, name, date) in parentheses.

Precede the name of a printer, etc., by a colon.

Precede the date of printing, etc., by a comma.

3.4B. General rule

3.4B1. Record information about the place, name, and date of all types of publishing, distributing, etc., activities as instructed in 1.4B.

3.4B2. Early cartographic items. Give the publication, etc., details of early cartographic items as instructed in 2.16.

3.4C. Place of publication, distribution, etc.

3.4C1. Give the place of publication, distribution, etc., of a published item as instructed in 1.4C.

3.4C2. Do not record a place of publication, distribution, etc., for an unpublished cartographic item. Do not record *s.l.* in such a case.

3.4D. Name of publisher, distributor, etc.

3.4D1. Give the name of the publisher, etc., and *optionally* the distributor, as instructed in 1.4D.

Southampton : Ordnance Survey

Point Reyes, Calif. : Drake Navigators Guild

Paris : Institut géographique internationale

[London] : Royal Geographical Society

Montréal : Éditions FM

[Chicago] : Chicago Area Transportation Study

Amsterdam ; London : North-Holland Pub. Co.
(*Cataloguing agency in the United Kingdom*)

London : Royal Geographical Society ; Lympne Castle, Kent : H. Margary
(*Second publisher given prominence by layout*)

Southampton : Ordnance Survey for the Institute of Geological Sciences

Tananarive : Service géographique de Madagascar

3.4D2. Do not record the name of a publisher, distributor, etc., for an unpublished cartographic item. Do not record *s.n.* in such a case.

3.4E. *Optional addition.* **Statement of function of publisher, distributor, etc.**

3.4E1. Add to the name of a publisher, distributor, etc., a statement of function as instructed in 1.4E.

København : Geodætisk Institut ; [London] : Stanford [distributor]

3.4F. **Date of publication, distribution, etc.**

3.4F1. Give the date of publication, distribution, etc., of a published cartographic item as instructed in 1.4F.

Washington, D.C. : Secretaría General de la Organización de los Estados Americanos, 1969

Sevenoaks, Kent : Geographers' Map Co., [1973]

Zürich : Orell Füssli, c1973

Helsinki : Maanmittaushallitus, 1965-1967.

3.4F2. Give the date of a map manuscript as instructed in 4.4B1.

3.4G. **Place of printing, etc., name of printer, etc., date of printing, etc.**

3.4G1. If the name of the publisher is unknown and the place and name of the printer or manufacturer are found in the item, give that place and name as instructed in 1.4G.

Paris : [s.n., ca. 1898] (Paris : LeBrun)

3.4G2. *Optional addition.* Give the place, name of printer, etc., and/or date of printing, etc., if they are found on the item or its container or case or accompanying printed material and differ from the place, name of publisher, etc., and date of publication, etc., and are considered important by the cataloguing agency.

London : Laurie & Whittle, 1804 (1810 printing)

3.5. PHYSICAL DESCRIPTION AREA

Contents:

- 3.5A. Preliminary rule
- 3.5B. Extent of item (including specific material designation)
- 3.5C. Other physical details
- 3.5D. Dimensions
- 3.5E. Accompanying material

3.5A. Preliminary rule

3.5A1. Punctuation

For instructions on the use of spaces before and after prescribed punctuation, see 1.0C.

Precede this area by a full stop, space, dash, space *or* start a new paragraph.

Precede other physical details by a colon.

Precede dimensions by a semicolon.

Precede each statement of accompanying material by a plus sign.

Enclose physical details of accompanying material in parentheses.

3.5B. Extent of item (including specific material designation)

3.5B1. Give the extent of a cartographic item. In the case of atlases and globes, give the number of physical units. In the case of other cartographic items, give the number of maps, etc. Use arabic numerals and one of the following terms. If the item is a manuscript, precede the term by *ms.*

atlas
 diagram
 globe
 map
 model
 profile
 remote-sensing image
 section
 view

1 globe

1 map

1 ms. map

3 diagrams

10 identical maps

If a cartographic item is not comprehended by one of the above terms, use an appropriate term preferably taken from subrule .5B of one of the chapters of part I.

7 wall charts

52 playing cards

If the sheets or parts of an item are very numerous and the exact number cannot be readily ascertained, give an approximate number.

ca. 800 maps

If a cartographic item contains, or consists of, tactile data, follow the instructions in 3.5B5.

3.5B2. If there is more than one map, etc., on one or more sheets, specify the number of maps, etc., and the number of sheets.

6 maps on 1 sheet

8 sections on 3 sheets

If the maps, etc., are printed in two or more segments designed to fit together to form one or more maps, etc., give the number of complete maps, etc., and:

a) the number of segments if all the segments are on a single sheet

1 section in 4 segments

2 views in 6 segments

b) the number of sheets if the segments are on separate sheets.

1 map on 4 sheets

Optionally, omit the specification of the number of sheets or segments from the specific material designation and, if desired, give such information in a note (see 3.7B10).

6 maps

Note: Maps on one sheet

2 views

Note: Each view in 3 segments

If an item consists of a number of sheets each of which is a complete map, etc., treat it as a collection and describe it as instructed in 3.5B1.

3.5B3. Add, to the statement of extent for an atlas, the pagination or number of volumes as instructed in 2.5B.

1 atlas (3 v.)

1 atlas (xvii, 37 p., 74 leaves of plates)

3.5B4. If the description is of a separately titled part of a cartographic item lacking a collective title (see 3.1G4), give the statement of extent as instructed in 3.5B1-3.5B3.

1 globe

(Originally issued as a set with an atlas; each catalogued separately)

3.5B5. If a cartographic item contains visual data and tactile data (i.e., braille letters or other tactile systems intended for the visually impaired), add a concise term (e.g., *print and tactile*) to the extent of item (see 3.5B1-3.5B4).

1 map (print and tactile)

1 atlas (print and tactile)

1 map in 4 segments (print, braille, and tactile)

1 globe (print and tactile)

If a cartographic item contains only tactile data, add, to the statement of extent (see 3.5B1-3.5B4), *braille*, *press braille*, *solid dot braille*, *tactile*, etc., as appropriate.

1 map (braille)

1 map (tactile)

1 globe (tactile)

1 atlas (3 v., tactile)

1 atlas (100 p., braille and tactile)

Optionally, if general material designations are used (see 1.1C1) and the general material designation indicates the tactile nature of the item, omit the addition.

If the item is a thermoform copy, add *thermoform* to the parenthetical addition, preceded by a comma. If there is no parenthetical addition (see *option* above), add *thermoform* in parentheses.

1 map (braille, thermoform)

or 1 map (thermoform)

1 map (print and braille, thermoform)

3.5C. Other physical details

3.5C1. Give the following details, as appropriate, in the order set out here:

layout
 production method
 number of maps, etc., in an atlas
 colour
 medium
 material
 mounting

3.5C2. Layout. Describe any unusual layout of the map(s), etc., on the sheet(s). Use *both sides* if the item is continued at the same scale on the other side of the sheet(s); or, if collectively describing multiple map(s), etc., that are on both sides of the sheet(s). However, if the same map, etc., is represented in more than one language on each side of the sheet, use *back to back*.

1 map : both sides, col.

3 maps on 1 sheet : both sides, col.

2 maps on 1 sheet : back to back, col.

3.5C3. Production method. Give the method of production (other than printing), or reproduction, if considered significant. For photomechanical reproductions either use a general term (*photocopy*), or give the generic name of the process (e.g., *blueprint*, *blueline*, *white print*).

1 map : photocopy

1 map : blueline

1 map : computer printout, col.

68 maps : 6 blueprints, some col.

3.5C4. Number of maps, etc., in an atlas. Give the number of maps, etc., in an atlas as instructed in 2.5C.

1 atlas (330 p.) : 100 col. maps (some folded)

1 atlas (207 p.) : ca. 190 maps

3.5C5. Colour. If the item is coloured or partly coloured, indicate this. Disregard coloured matter outside a map, etc., border.

1 map : col.

4 maps : 2 col.

1 globe : col.

1 ms. map : col.

10 maps : some col.

1 map : hand col.

1 atlas (xvi, 97, 100 p.) : 35 col. maps

3.5C6. Medium. *Optionally*, give the medium (e.g., pencil, ink) used to draw and colour a manuscript cartographic item. If a printed work is hand coloured, the medium may be recorded after the indication of colour.

1 map : hand col. in pencil

54 ms. maps : col., ink on Mylar

3.5C7. Material. Give the material of which the item is made if it is considered to be significant (e.g., if a map is printed on a substance other than paper).

1 map : col., plastic

1 map : col., silk

1 globe : col., wood

1 ms. map : col., vellum

3.5C8. Mounting. If a map, etc., is mounted, indicate this. Indicate the mounting of a globe.

1 map : col., mounted on linen

1 globe : col., wood, on brass stand

1 globe : plastic, on metal stand

3.5D. Dimensions

3.5D1. Maps, plans, etc. Give the height \times width in centimetres, to the next whole centimetre up, of a two-dimensional cartographic item (e.g., if a measurement is 37.1 centimetres, record it as *38 cm.*). *Optionally*, for early and manuscript cartographic items, give the dimensions to the nearest millimeter expressed in tenths of a centimetre. Give the measurements of the face of the map, etc., measured within the neat line. Give the diameter of a circular map, etc., and specify it as such. If a map, etc., is irregularly shaped, or if it has no neat line, or if it bleeds off the edge, give the greater or greatest dimensions of the map itself. If it is difficult to determine the points for measuring the height and the width of the map, etc. (e.g., when the shape is extremely irregular, or when it was printed without one or more of its borders), give the height \times width of the sheet specified as such.

1 map : col. ; 25×35 cm.

1 wall chart ; 40×23 cm.

1 ms. map ; 123.5×152.4 cm.

1 map : col. ; 45 cm. in diam.

1 map : col. ; on sheet 45×33 cm.

If a map, etc., is on sheets of two sizes, give both sets of dimensions. If the sheets are of more than two sizes, give the greatest height of any of them followed by the greatest width of any of them and *or smaller*.

1 map on 2 sheets ; 25×35 cm. and 30×35 cm.

1 map on 4 sheets ; 30×40 cm. or smaller

If a map, etc., is on one or more sheets in two or more segments designed to fit together to form one map, etc., give the dimensions of the complete map, etc., followed by the dimensions of the sheet(s). If such a map, etc., is mounted, give the dimensions of the whole map, etc., alone.

1 map in 4 segments ; 10×60 cm., on sheet 25×35 cm.

1 map on 9 sheets ; 264×375 cm., sheets 96×142 cm.

1 map ; 120×276 cm.

(Mounted map created from several segments)

If it is difficult to determine the points for measuring the height and width of a complete map, etc., that is in segments, or if it is difficult to assemble the map, etc., for measuring, give only the height and width of the sheet(s) specified as such.

1 map on 3 sheets ; sheets 30×40 cm.

2 maps on 6 sheets ; sheets 60×60 cm. or smaller

If the size of either dimension of a map, etc., is less than half the same dimension of the sheet on which it is printed or if there is substantial additional information on the sheet (e.g., text), give the sheet size as well as the size of the map, etc.

1 map ; 20×31 cm., on sheet 42×50 cm.

If a map, etc., is printed with an outer cover within which it is intended to be folded or if the sheet itself contains a panel or section designed to appear on the outside when the sheet is folded, give the sheet size in folded form as well as the size of the map, etc.

1 map ; 80×57 cm., folded to 21×10 cm.

1 map : col. ; 9×20 cm., on sheet 40×60 cm., folded to 21×10 cm.

If a map, etc., is printed on both sides of a sheet at a consistent scale, give the dimensions of the map, etc., as a whole, and give the sheet size. If it is difficult to measure such a map, etc., give the sheet size alone.

1 map : both sides ; 45×80 cm., on sheet 50×44 cm.

(Printed on both sides of sheet with line for joining indicated)

1 map : both sides ; on sheet 45×30 cm.

(Printed on both sides of sheet)

If the maps, etc., in a collection are of two sizes, give both. If they are of more than two sizes, give the greatest height of any of them followed by the greatest width of any of them and *or smaller*.

60 maps ; 44×55 cm. and 48×75 cm.

60 maps ; 60×90 cm. or smaller

10 sections in 25 segments : col. ; 100×90 cm. or smaller

3.5D2. Atlases. Give the dimensions of an atlas as instructed in 2.5D.

1 atlas (xii, 100, 32 p.) : 100 col. maps ; 29 cm.

3.5D3. Models. Give the height × width of a model in centimetres as instructed in 3.5D1. *Optionally*, add the depth.

1 model : col., plastic ; 45 × 35 × 2 cm.

3.5D4. Globes. Give the diameter of a globe, specified as such.

1 globe : col., wood, on metal stand ; 12 cm. in diam.

3.5D5. *Optional addition.* Containers. Add the description of a container and its dimensions to the dimensions of the item.

1 globe : col., plastic, on metal stand ; 20 cm. in diam., in box 40 × 12 × 12 cm.

1 map : col. ; 200 × 350 cm., folded to 20 × 15 cm., in plastic case 25 × 20 cm.

3.5E. Accompanying material

3.5E1. Give the details of accompanying material as instructed in 1.5E.

17 maps ; 90 × 96 cm. + 1 v. (xvii, 272 p. ; 25 cm.)

3.6. SERIES AREA

Contents:

3.6A. Preliminary rule

3.6B. Series statements

3.6A. Preliminary rule

3.6A1. Punctuation

For instructions on the use of spaces before and after prescribed punctuation, see 1.0C.

Precede this area by a full stop, space, dash, space.

Enclose each series statement (see 1.6J) in parentheses.

Precede each parallel title by an equals sign.

Precede other title information by a colon.

Precede the first statement of responsibility by a diagonal slash.

Precede each subsequent statement of responsibility by a semicolon.

Precede the ISSN of a series or subseries by a comma.

Precede the numbering within a series or subseries by a semicolon.

Enclose a date following a numeric and/or alphabetic designation in parentheses.

Precede the title of a subseries, or the designation for a subseries, by a full stop.

Precede the title of a subseries following a designation for the subseries by a comma.

3.6B. Series statements

3.6B1. Record each series statement as instructed in 1.6.

(Climatological studies ; no. 8)

(A1 street atlas series)

(Carte géographique de l'Angleterre ; no 16)

(Deutscher Planungsatlas ; Bd. 8)

(Bartholomew world travel series)

(Nouvelle collection / Maurice Le Lannou)

(Communications of the Dublin Institute for Advanced Studies. Series D, Geophysical bulletin ; no. 29)

(Series of atlases in facsimile / Theatrum Orbis Terrarum. 6th series ; v. 1)

(Saggi e memorie di storia dell'arte ; v. 7)

(Graeco-Roman memoirs, ISSN 0306-9992 ; no. 93)

([Geological Survey of Canada A series] ; 1245A)

(Military city map : series A902 1:25,000 = Carte militaire de la ville : série A902 1:25,000 / Mapping and Charting Establishment, Department of National Defence ; MCE 329)

3.7. NOTE AREA

Contents:

3.7A. Preliminary rule

3.7B. Notes

3.7A. Preliminary rule

3.7A1. Punctuation

Precede each note by a full stop, space, dash, space *or* start a new paragraph for each.
Separate introductory wording from the main content of a note by a colon followed but not preceded by a space.

3.7A2. In making notes, follow the instructions in 1.7A.

3.7B. Notes.

Make notes as set out in the following subrules and in the order given there. However, give a particular note first when it has been decided that note is of primary importance.

3.7B1. Nature and scope of the item. Make notes on the nature or scope of a cartographic item unless it is apparent from the rest of the description. Also make a note on unusual or unexpected features of the item.

Shows all of western Europe and some of eastern Europe
(*Item entitled: Germany*)

Maps dissected and pasted onto the sides of 42 wooden blocks to form an educational game

Shows the routes of Amundsen, Byrd, and Gould

Shows southernmost extent of the midnight sun

Shows the main battles of 1944-1945
(*Item entitled: The Asian struggle*)

Free ball globe in transparent plastic cradle with graduated horizon circle and "geometer"

Shows dioceses

"Contour interval 20 feet"

Relief shown by contours, hachures, and spot heights

Based on 1981 statistics

3.7B2. Language. Give the language(s) of captions, etc., and text, unless this is apparent from the rest of the description.

In Esperanto

Includes text in Finnish, Swedish, English, and German

Place names in Italian

Legend in English and Afrikaans

In English, except for title and "La mer du Nord"

3.7B3. Source of title proper. Make notes on the source of the title proper if it is other than the chief source of information or if considered important.

Title from container

Title from separate wrapper

Title from: A list of maps of America / P.L. Phillips. p. 502

Title from panel

3.7B4. Variations in title. Make notes on titles borne by the item other than the title proper. *Optionally*, give a romanization of the title proper.

Panel title: Welcome to big Wyoming

Title in left margin: Ville de Aix-les-Bains, Savoie

Romanized title: Moskovskaiâ oblast'

3.7B5. Parallel titles and other title information. Give the title in another language and other title information not recorded in the title and statement of responsibility area if they are considered to be important.

Added title in Spanish

Subtitle on wrapper: Showing population changes 1951-60

3.7B6. Statements of responsibility. Make notes on variant names of persons or bodies named in statements of responsibility if these are considered to be important for identification. Give statements of responsibility not recorded in the title and statement of responsibility area. Make notes on persons or bodies connected with a work, or significant persons or bodies connected with previous editions and not already named in the description.

Engraved by T.J. Newman

“Ch. Smith sculp.”–Cover

“Plotted ... by G. Petrie and D.P. Nicol, University of Glasgow, 1965. Field reconnaissance, 1962, and geomorphological interpretation by R.J. Price as part of project no. 1469 of the Institute of Polar Studies, the Ohio State University”

Attributed to Blaeu in: *Atlantes Neerlandici* / C. Koeman

3.7B7. Edition and history. Make notes relating to the edition being described or to the history of the cartographic item.

First ed. published 1954

Sheets of various eds.

A later state of the map first published in 1715 and later in 1745. This state has the additions of “King’s roads” and an advertisement for Overton’s large map of the British Isles, dated 1746

Facsim. of: “The 52 countries [i.e. counties] of England and Wales described in a pack of cards. Sold by Robert Morton ... [et al.] in 1676”

Copied from:

Based on:

Red overprinting on the author’s Greater Germany, administrative divisions
1 July 1944 (no. 3817-R&A, OSS)

“Roads and railways fully revised, 1971”–Wrapper

A later state of the map first published in 1772

From: Atlas élémentaire de géographie physique et politique / E. Mentelle et P.G. Chanlaire. [1798]

First ed. published as: Atlas of comparative geography for junior classes / edited by George Philip. 1903

3.7B8. Mathematical and other material specific details. Make notes on the magnitude of celestial charts.

Limiting magnitude 3.5

Give mathematical data not already included in the mathematical and other material specific details area for remote-sensing images.

“f5.944, alt. 12,000 ft.”

Give other mathematical and cartographic data additional to, or elaborating on, that given in the mathematical and other material specific details area.

Scale of original: ca. 1:1,300

Oriented with north to right

Prime meridians: Ferro and Paris

Scale departure graph: “Statute miles, Mercator projection”

Military grid

Clarke 1886 ellipsoid

If the information is readily available, give the horizontal coordinate system (geographic system, map projection of grid coordinate system) and the name of the geodetic datum, and, if applicable, the vertical coordinate system (e.g., for digital elevation models). Enclose each set of projection or ellipsoid parameters in parentheses; separate the multiple parameters by a space, semicolon, space; and precede the secondary/related reference method by a space, colon, space.

Altitude datum name: National Geodetic Vertical Datum of 1929 ; altitude resolution: not given ; units of measurement: feet ; vertical encoding method: explicit elevation coordinate included with horizontal coordinates

Geographic system: coordinates ; longitude resolution: 0.0004 ; latitude resolution: 0.0004 ; unit of measure: decimal degrees

Projection: Lambert conformal conic (standard parallels: 38.3 ; 39.4 ; longitude of central meridian: -77 ; latitude of projection origin: 37.8333 ; false easting: 800000 ; false northing 0)

Horizontal datum name: North American datum of 1927 ; ellipsoid name: Clarke 1866 (semi-major axis: 6378206.4 ; flattening ratio: 294.98)

Give digital graphic representation data not already included in the mathematical and other material specific details area for electronic resources.

Distributed as a Zip file

Topology level 2

If the scales differ (see 3.3B4) and if one or more of the scales is readily discernible and can be expressed concisely, give the scale(s).

Scale of third and fourth maps: 1:540,000

Scales: 1:250,000, 1:200,000, 1:150,000

Predominant scale: 1:250,000

3.7B9. Publication, distribution, etc. Make notes on publication, distribution, etc., details that are not included in the publication, distribution, etc., area and are considered to be important.

All previous eds. published by:

Maps dated between 1780 and 1813

The imprint of Gerard Valck has been substituted for the erased imprint of Joan. Blaeu, who probably first published the map ca. 1672

Imprint of W. & S. Jones pasted onto the terrestrial and celestial globe gores

3.7B10. Physical description. Make notes on important physical details that are not included in the physical description area, especially if these affect the use of the item. If the item is a photoreproduction and the general term (*photocopy*) is used in the physical description area (see 3.5C3), give the generic name of the process, if it is likely to affect the use of the item (e.g., when it is a blueline print).

Irregularly shaped

Hand coloured

Blueprint

Watermark: C. & I. Honig

In wooden case bearing, on its inner faces, representations of the celestial hemispheres

Bound in vellum

Legends in braille

County boundaries tactile

Mounted map created from several segments

3.7B11. Accompanying material. Make notes on the location of accompanying material if appropriate. Give details of accompanying material neither mentioned in the physical description area nor given a separate description (see 1.5E).

Accompanied by filmstrip entitled: Mexico and Central America

Accompanied by the same maps in sheet form first published in: Géographie générale / M.J.C. Barbié Du Bocage. 1842

Each sheet accompanied by a sheet of geological sections

3.7B12. Series. Make notes on series data that cannot be given in the series area.

Some sheets have series designation: Direct route map

3.7B13. Dissertations. If the item being described is a dissertation, make a note as instructed in 1.7B13.

3.7B14. Audience. Make a brief note of the intended audience for, or intellectual level of, an item if this information is stated in the item.

Intended audience: Primary schools

3.7B16. Other formats. Give the details of other formats in which the content of the item has been issued.

Also issued as a set of wall charts

Also issued on microfiche

3.7B18. Contents. If a collection of maps is described as a unit (see 3.0J), make notes on the state of the collection at the time of description and indicate the composition of the complete collection if possible. Give variations between sheets in the collection. Complete this note when the collection is complete.

Complete in 174 sheets. Set includes various editions of some sheets including some reissued by the U.S. Army Map Service. Some sheets, prepared under the direction of the Chief of Engineers, U.S. Army, have series designation "Provisional G.S.G.S. 4145"

List the contents of an item, either selectively or fully, including: insets; maps, etc., printed on the verso of a map, etc., sheet; illustrations, etc. Make notes on maps, insets, etc., on the recto before those on the verso of a sheet. Give the scale of insets, etc., if it is consistent. If the insets, etc., are numerous and/or minor, make a note in general terms.

Includes index

Includes "Glossary"

Includes key to 140 place names

With two additional unnumbered parts: The stars in six maps. 1830 – The terrestrial globe in six maps. 1831

Includes an index and illustrations of the Wangapeka Track

Maps, text, and col. ill. on verso

Insets: Connaught Place – Chanakyapuri – Delhi & New Delhi City. Scale [ca. 1:23,000]

Insets: Political and economic alliances – Air distances from London – Membership of international organisations

On verso: New map of South Hadley, Mass. Scale [ca. 1:15,000]

On verso: Indiana – Iowa – Missouri. Scale 1:600,000

Insets: Harrow – Wembley – Ruislip. On verso: Map of N.W. London

Includes 7 insets

Contents: The world in 3000 B.C. – The world in 1500 B.C. – The world in 500 B.C. – The world in A.D. 1

Contents: Ancient Orient before the rise of the Greeks. Scale 1:4,752,000 – Palestine about 860 B.C. Scale 1:506,880

Contents: Colonial organization of the world 1937 – Achievement of independence 1958-1966

3.7B19. Numbers. Give important numbers associated with the item other than ISBNs or ISSNns (see 3.8B).

Publisher's no.: LB 3721-9

3.7B20. Copy being described, library's holdings, and restrictions on use. Make these notes as instructed in 1.7B20.

Library's copy annotated in red ink to show land owners

Originally published on 4 sheets

Library's copy imperfect: Upper left corner missing

Library's set lacks sheets 9-13 and sheet 27

3.7B21. "With" notes. If the title and statement of responsibility area contains a title that applies to only a part of an item lacking a collective title and, therefore, more than one entry is made, make a note beginning *With:* and listing the other separately titled works in the item in the order in which they appear there.

With a separate map on same sheet: Queen Maud Range

With (on verso): Motor road map of south-east England

Mounted on a wooden stand to form a pair with: Bale's new celestial globe.
1845

With: Atlas de France. Paris : Desnos, 1775

3.8. STANDARD NUMBER AND TERMS OF AVAILABILITY AREA

Contents:

- 3.8A. Preliminary rule
- 3.8B. Standard number
- 3.8C. Key-title
- 3.8D. Terms of availability
- 3.8E. Qualification

3.8A. Preliminary rule

3.8A1. Punctuation

For instructions on the use of spaces before and after prescribed punctuation, see 1.0C.
Precede this area by a full stop, space, dash, space *or* start a new paragraph.
Precede each repetition of this area by a full stop, space, dash, space.
Precede a key-title by an equals sign.
Precede terms of availability by a colon.
Enclose a qualification to the standard number or terms of availability in parentheses.

3.8B. Standard number

3.8B1. Give the International Standard Book Number (ISBN) or International Standard Serial Number (ISSN) assigned to an item as instructed in 1.8B.

ISBN 0-85152-392-7

ISSN 0085-4859

3.8B2. Give any other number in a note (see 3.7B19).

3.8C. Key-title

3.8C1. Give the key-title of a resource as instructed in 1.8C.

3.8D. *Optional addition.* Terms of availability

3.8D1. Give the terms on which the item is available as instructed in 1.8D.

£4.40 (complete collection). – £0.55 (individual sheets)

3.8E. Qualification

3.8E1. Add qualifications to the standard number and/or terms of availability as instructed in 1.8E.

3.9. SUPPLEMENTARY ITEMS

3.9A. Describe supplementary items as instructed in 1.9.

3.10. ITEMS MADE UP OF SEVERAL TYPES OF MATERIAL

3.10A. Describe items made up of several types of material as instructed in 1.10.

3.11. FACSIMILES, PHOTOCOPIES, AND OTHER REPRODUCTIONS

3.11A. Describe facsimiles, photocopies, and other reproductions as instructed in 1.11.

APPENDIX D

GLOSSARY

Cartographic material. Any material representing the whole or part of the earth or any celestial body at any scale. Cartographic materials include two- and three-dimensional maps and plans (including maps of imaginary places); aeronautical, nautical, and celestial charts; atlases; globes; block diagrams; sections; aerial photographs with a cartographic purpose; bird's-eye views (map views), etc.

Chart (Cartography). A map designed primarily for navigation through water, air, or space.
See also Map.

Map. A representation, normally to scale and on a flat medium, of a selection of material or abstract features on, or in relation to, the surface of the earth or of another celestial body. *See also* Chart (Cartography).