

# Table of contents

<b>List of tables</b>	6
<b>Acknowledgements</b>	7
<b>Introduction</b>	9
<b>PART I: TOWARDS INSTITUTIONALIZED MAPMAKING</b>	
<b>1. The influence of 16th-century Portuguese and Spanish overseas mapmaking on England and Flanders</b>	15
Map and chart production in Spain and Portugal, 15; Map production in Portugal, 16; Goa, the cartographic capital of Portuguese Asia, 21; Map production in Spain, 23; England and Flanders: printed maps and globes by learned geographers, 25; The role of mapmaking in English and Flemish overseas expansion, 28; On Spanish and Portuguese secrecy, 30; Conclusion, 32	
<b>2. The early, turbulent years of Dutch overseas cartography, 1577-ca. 1600</b>	33
Balthasar de Moucheron and the northern route to Asia, 33; The Atlantic theater, 34; Around the globe: the year 1592, 37; The <i>Oude Compagnie</i> , 37; Plancius as a 'national' figure, 40; The Middelburg Company, 41; The Company of Southern Netherlanders, 41; The Magellan Company, 41; Cornelis Claesz: keeper of the Dutch <i>Almazém</i> , 42; Globe and chart suppliers for overseas navigation: partners of Plancius and Claesz, 46; Conclusion, 48	
<b>3. The shift of mapmaking to Amsterdam, ca. 1600-1617</b>	50
From Edam to Amsterdam: Cornelis Doetsz and Augustijn Robaert, 50; Plane charts, 53; Adriaen Veen and his spherical charts, 56; Charts on Mercator's projection, 58; The globes of Jodocus Hondius and others, 58; Other suppliers of maps and charts, 58; Mapmakers on the spot: pilots, surgeons and others, 59; Towards institutionalized mapmaking, 60; Military engineers and surveyors, 61; Status and story: maps for walls and cabinets, 63; Conclusion, 73	
<b>4. The education and status of mapmakers of Dutch overseas expansion</b>	74
Oceanic navigators, 74; Land surveyors and military engineers, 75; Overseas survey practices and rules, 78; Technocrats, 81; Conclusion, 84	
<b>PART II: THE DUTCH EAST INDIA COMPANY (VOC)</b>	
<b>5. Hessel Gerritsz and the organization of mapmaking in the Dutch Republic, 1617-1633</b>	86
Administrative aspects of the production of charts, 86; The creation of the Amsterdam mapmaking agency, 1616-17, 86; The early years of the Amsterdam dépôt and mapmaking agency, 1617-32, 89; The Hudde and Brouwer manuscripts, 93; 1619: the Gerritsz privilege and secrecy, 94; Gerritsz's cartographic activities after 1620, 98; Conclusion, 100	
<b>6. The Company's hydrographic service in Asia</b>	101
The early years of the dépôt and mapmaking agency in Batavia, 1620-32, 101; The hydrographic office for Asian waters in Batavia after 1633, 104; Batavia and Amsterdam, 105; Taiwan, 106; The reorganization of the Batavia office in the 1660s, 114; Conclusion, 116	
<b>7. The Blaeu family's domination of mapmaking in the Dutch Republic, 1633-1705</b>	118
The Amsterdam agency of Willem Blaeu, 1633-38, 118; The Amsterdam agency of Joan Blaeu Sr., 1638-73, 119; The other Chambers, 127; The Amsterdam agency under Joan Blaeu Jr., 1673-1705, 127; Secrecy versus openness in 17th-century Dutch mapmaking, 128; Conclusion, 130	
<b>8. Geography, land administration and the VOC</b>	131
European and local knowledge, 132; Geographical maps, descriptions and inland exploration, 132; Large-scale maps and plans for standardized settlements, 137; Cadastral maps and the growth of commercial crops, 152; Experiments with Roman grids, 159; Isaac de Graaff and his manuscript atlas, 162; Conclusion, 163	
<b>PART III: THE DUTCH WEST INDIA COMPANY (WIC)</b>	
<b>9. Hydrography and the West India Company</b>	164
The Amsterdam mapmaking agency, 1621-32, 165; The hydrographic office in Brazil, 1630-54, 171; Blaeu and Vingboons: map suppliers to the WIC, 1633-73, 175; The 'WIC' charts by Hendrick Doncker, 1659-80, 181; Arent Roggeveen's printed navigation manual, 1668-85, 183; The manual by Van Keulen and Vooght, 1683-84, 184; Conclusion, 185	

<b>10. Geography and land administration</b>	187
Maps and intelligence: trade, diplomacy and war, 187; Town and fortification construction, 197; Agriculture and land organization, 201; Topographic maps, 204; Conclusion, 208	
<b>PART IV: ART, HISTORY AND MAPS</b>	
<b>11. Reflections on Dutch overseas expansion</b>	210
Cartographers and their clients, 212; Cartographers and painters, 213; Geometric artists, 214; Watercolors and topographic paintings in the context of the Companies, 215; Dramatized geometry, 229; Geometric art and subjectivity 236; Commemorations and history, 241; Printed maps, 246; News maps, 248; Maps and mapmakers mirrored in paintings, 249; Conclusion, 252	
<b>Conclusion</b>	255
<b>Appendixes</b>	
<b>1. The archives of VOC and WIC maps and drawings</b>	265
The VOC in Amsterdam, 265; Other VOC Chambers, 265; The WIC, 265; Batavian <i>Comités</i> and <i>Raden</i> , 1791-1806, 266; The colonial section of the <i>Dépôt-Generaal van Oorlog</i> in Amsterdam, 1806-10, 266; The transfer to the <i>Dépôt de la Marine</i> in Paris, 1810, 267; Post-1813, 268; WIC and VOC maps in the Ministry of Colonies, 268; Transfers to the Dutch General State Archives, 269; Maps and drawings deposited elsewhere, 269; The Hulst van Keulen archives, 269; Establishments overseas, 269	
<b>2. Topographic watercolors and paintings: collections and numbers</b>	270
The Vingboons collections of watercolors, 270; Topographic paintings and wall maps, 270; The palaces of the Stadtholder, 272	
<b>3. The Companies' overseas mapmakers, 1602-1700</b>	273
<b>4. The instruments and maps in the offices of the land surveyor and the <i>fabriek</i> in Batavia, 1688</b>	275
<b>5. Catalog of the instruments, books and charts in the former <i>stuurmanskamer</i> (navigation room) of the VOC, 1815</b>	275
<b>Abbreviations</b>	276
<b>Notes</b>	277
<b>Bibliography</b>	303
<b>Samenvatting</b>	315
<b>Index of personal and <i>geographical</i> names</b>	319
<b>Curriculum vitae</b>	328

## List of tables

3.1. Adriaen Veen's set of spherical charts	57
4.1. Charters for land surveyors and the employment of military engineers in the Dutch Republic, 1600-1700	77
4.2. Land surveyors and military engineers in the service of the VOC and the WIC, 1602-1700	78
5.1. The set of VOC charts produced by Hessel Gerritsz	88
6.1. The set of four charts for navigation between Batavia and Japan, designed by Maerten Gerritsz de Vries, ca. 1644	111
7.1. Charts submitted to the officers of the <i>Durgerdam</i> , 1662	123
9.1. Major investors and directors of the WIC with an interest in cartography and/or linked to the Blaeus	176
9.2. Prototype charts of the WIC in 1640	178
11.1. The Vingboons watercolors in manuscript atlases, framed as paintings and as loose sheets	216
11.2. Hand-painted wall maps on cloth in the East India House in Amsterdam, ca. 1660	217
11.3. Topographic paintings in the Stadtholders' palaces	225