176 INTERMISSION 2

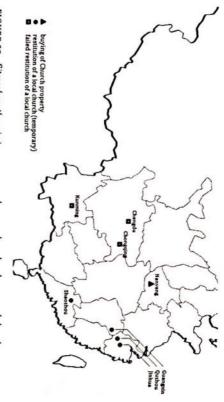


FIGURE 28 Sites where the missionary-mapmakers purchased and recovered churches (1712–1716).

example, did they use their status as imperial envoys to exert pressures on local Christians to subscribe to the Jesuit position, as Guigne suggests? Such questions exceed this study's scope.

Conclusion

This second intermission has explored the missionary activities of the European mapmakers during the land surveys, from which we can distill a number of relevant insights. First, the writings of Le Blanc and Guigne allow us to state with certainty that missionary-mapmakers used their capacities as imperial envoys to exert influence locally and in an attempt to further the interests of local Christian communities, as du Halde and others suggested. Second, given the factional tensions among the different Catholic orders, we must consider whether they did so selectively, as claimed by Guigne, as well as whether the missionary-mapmakers employed their status as imperial envoys for other purposes linked to tensions with their MEP and Dominican colleagues. Although these questions remain open, this discussion further contextualizes the land surveys and illustrates how some of the tensions discussed in the first intermission also had repercussions for the land surveys, even if they played out in differing ways.

CHAPTER 3

The Afterlife of Maps: Circulation, Adaptation, and Negotiation

諭內閣學士蔣廷錫、皇輿全覽圖、朕費三十餘年心力、始得告成。山脈水道、俱與禹賈相合。爾將此全圖、並分省之圖、與九卿細看。倘有不合之處、九卿有知者、即便指出。看過後面奏。438

Imperial order for grand secretary Jiang Tingxi. The Overview Maps of Imperial Territories, for which We have spent more than thirty years of mental effort, has finally been announced completed. Mountain ranges and river courses are all consistent with the Tribute of Yu. Together with the nine ministers, you will carefully look at this general map, and also at the provincial maps. Should there be inconsistencies, and there is someone among the nine ministers who know it, they should immediately point it out. After having looked at them, [you will] report back in person.

April 1st, 1719

Immediately following the land surveys, the Imperial Workshops began producing different editions of the resulting atlas, the Overview Maps of Imperial

⁴³⁸ Kangxi chao shilu, juan 282. For a translation of the entire passage, see Fu (1966), 127–128. Jiang Tingxi (1669–1732) was one of the four earliest grand secretaries and would continue to serve under the Yongzheng emperor. Hummel (1943), 142–143. "More than thirty years" confirms that in retrospect the Kangxi emperor saw the preliminary work (Chapter 1) and the more intense period of land surveying (Chapter 2) as one and the same project. The Tribute of Yu (Yugong 禹貢) is the oldest known book on geography in East Asia and appears in the Book of Documents (Shujing 書戶), one of the Five Classics of Chinese literature. This reference also confirms the emperor's attention to ancient precedents in establishing new Qing cartographic practice (Chapters 1 & 2).

commissioned compilations. At the same time, missionaries involved in the would form the basis for further adaptations and reduced maps in imperially a period of intense broader exchanges relating to cartography. Much of the project sent a vast corpus of maps and descriptions back to Europe, igniting Territories or Huangyu quanlan tu 皇輿全覽圖.439 In later decades, these Asia in Saint Petersburg. tographic material in the 1720s and early 1730s also informed a revision of the among Beijing, Paris, and Saint Petersburg. This triangular exchange of car loosely on the Qing atlas, following careful negotiation of cartographic data of his adaptations directly on maps the missionaries had sent. After finishing Bourguignon d'Anville (1697-1782) undertook the commission, basing most incorporation of the Qing atlas. The young French cartographer Jean-Baptiste material eventually concentrated in Paris and inspired plans for a European Qing atlas under the Yongzheng emperor and shaped the mapping of Centra these adaptations, d'Anville also produced four overview maps, based only

atlas and its European incorporation remained the authoritative cartographic works on continental East Asia until well into the nineteenth century. circulation, adaptation, and negotiation of cartographic data, both the Qing European adaptations from the Qing atlas. As a result of this long process of that still other cartographers would themselves later carefully rework these maps became the focus of much debate and enjoyed such wide circulation Tartarie chinoise.440 Immediately after publication, d'Anville's collection of torique, chronologique, politique et physique de l'empire de la Chine et de la description of continental East Asia entitled Description géographique, his inces, Tartary, Tibet, and Korea appeared as part of an expensive four-volume Paris, d'Anville's forty-one regional and general maps of the Chinese prov-In 1735, finally, more than fifteen years after the first maps had reached

I initiate my analysis with an examination of the different printed editions an eventful afterlife for these maps on both ends of the Eurasian continent. to fit new audiences' visual and cultural expectations. Ultimately, this led to gradually transferred between individuals, reworked and eventually adapted adaptation for the European reading public, this chapter discusses how maps and manifestations of the Qing atlas. Next, I conduct a detailed analysis of its With its main focus on the circulation of the Qing atlas and the process of its

3.1 The Printed Life of the Overview Maps of Imperial Territories

trating their wide impact.

the circulation of cartographic practices over previous decades, thereby illusthat guided the circulation of these maps across Eurasia, in itself the result of four general maps. In all, this chapter aims to retrace the many connections

of the Qing atlas while on the other facilitating the completion of d'Anville's

among Beijing, Paris, and Saint Petersburg, on the one hand allowing revision information stimulated a process of negotiating indirectly obtained data the publication process. Finally, I will explore how certain gaps in cartographic European incorporation, discussing d'Anville's work as well as the first steps in

other matters alongside geography, that circulated widely. reduced versions eventually made it into large imperial compilations, treating at court for perusal by the emperor and senior court officials, Only significantly stead, at least for the remainder of the Kangxi emperor's reign, they remained the land surveys were available for public sale before the twentieth century. In-None of the maps printed in the Imperial Workshops immediately following

of the Tibetan maps of 1717.441 gional maps, which also depict parts of today's Xinjiang province, in the place blocks, produced in 1721 as a revision of the first, includes seven updated reupdated depictions of the Tibetan highlands. A third edition, again from wood one individual sheets combining to form one large map and incorporating twenty-eight separate and regional maps of the Chinese provinces, different reign. The first edition, he argues, printed in 1717 using woodblocks, contains among three different printed editions of the Qing atlas during the Kangxi several institutions in Beijing. Based on a detailed analysis, he distinguishes ace. At the time of writing, Fuchs had access to cartographic material kept at production of different versions of the Qing atlas for consultation at the palby the Italian missionary Matteo Ripa and completed in 1719, consists of fortyparts of Tartary and Tibet, and Korea. The second, printed from copperplates Walter Fuchs, in a comprehensive study on the subject, has argued for the

sions of the Kangxi-era Qing atlas, the woodblock atlas, and the copperplate ing the completion of the land surveys. The 1717–1718 survey of the Tibetan revision process as the woodblock atlas during the years immediately followmulti-sheet map, I argue that the copperplate version was subject to the same Although I largely follow Fuchs' distinction between the two main ver-

⁴⁴⁰ 439 I could not ascertain the Manchu name for the atlas.

du Halde (1735). The name "Tartary" referred at the time to almost the entire area lying between the Chinese provinces and Muscovy, much of it inhabited by nomadic peoples. It equates approximately with present-day northeastern China (or Manchuria), Mongolia. Xinjiang, and parts of Siberia and Central Asia.

⁴⁴¹ Fuchs (1943), 126 & 60.

THE AFTERLIFE OF MAPS

accommodate the new data. My argument depends on a close comparison of second editions of both the woodblock and the copperplate versions were rewhich he claimed to have identified a "draft copy" of the copperplate atlas. 442 extant copperplate sheets and a reinterpretation of Fuchs' own scholarship, in prompted adjustments to both the woodblock and the copperplate atlases to highlands (Chapter 2) had improved cartographic knowledge of the region and subsequent emperors, laying out a foundation for further exploration of the markably similar. In so doing, I discuss all printed editions resulting from the I will show that the dynamics informing the differences between the first and afterlife of these maps. 443 land surveys during the Kangxi reign as well as their later adaptations under

2. Both the maps and their textual companion, printed by and for the court, al Workshops. This occurred in the xiushuchu 修書處, the court's printery, were never, it seems, available for sale as such before the fall of the Qing in ries, the large route book (produced simultaneously) discussed in Chapter located just north of the palace's Wivingdian. It seems the woodblock atlas Huangyu quanlan fensheng tu 皇輿全覽分省圖, took place at the Imperilas, also known as the Overview Maps of Imperial Territories per Province or The carving and printing for the two woodblock editions of the Qing atformed a set with the Imperially Commissioned Overview of Imperial Territo-

ed around 1717, contains twenty-eight separate and regional maps of varying The first edition of the woodblock atlas (scale 1:2.000.000), carved and print-

- The Manchu homelands and outlying regions north of the Great Wall, inand the Ussuri River basin (5 maps); cluding Shengjing 盛京 (present day Liaoning 遼寧), the Amur River basin
- (Khalka) Mongol territories and outlying regions, including today's inner
- The headwaters of the Yangzi, Yalong and Yellow rivers (3 maps);

and outer Mongolia up to Lake Baikal and down to Hami (4 maps);

The Korean peninsula (1 map); and

The fifteen Chinese provinces (15 maps).444

of maps as outlined above largely coincides with the order of the areas sur-On maps of clearly delineated regions such as the Chinese provinces, Shengjing the geographic scope of the areas each team surveyed. 445 veyed, just as those areas the maps depict or leave blank largely correspond to particularly in the first edition woodblock atlas, the order of the different sets printed versions depended directly on the manuscript maps drawn in the field: quence of these maps within the atlas, these blank spaces suggest that the Great Wall) remain consistently left blank (figure 29). Together with the sebeyond the indicated provincial, state, and internal boundaries (such as the Korea, and regions in the immediate vicinity of the Great Wall, those lands

courses and mountain pictograms appear scattered rather randomly across vincial territories. The woodblock maps use only Chinese, although Manchu eas lacking natural boundaries such as large rivers, dotted lines delineate prodepartmental, and district seats while small circles signify smaller towns. In arand internal boundaries within the gridlines. Squares indicate the prefectural, the placement of cities, towns, and, to some extent, the national, provincial main meridian through Beijing appear beyond the gridlines on all four sides as well as the names of bordering regions (only the latter in maps of the Chiplace names and other information for areas outside the Chinese provinces to toponymy and terminology form the basis for Chinese-language renditions of the map in mountainous regions. These maps' precision, then, lies entirely in The maps exaggerate the sizes of rivers because double lines depict their nese provinces (figure 37)). Degrees of latitude and longitude relative to the the north and west of the Great Wall.446 The maps' empty spaces (beyond regional borders) contain the map titles

northeastern part of today's Xinjiang (all other maps remain unchanged).447 printed around 1721 is identical apart from the sheets covering Tibet and the Compared to the first edition of the woodblock atlas, the revised edition first

447

The Woodblock Editions

Fuchs (1943), 1:25-27.

⁴⁴³ Several manuscript editions of the Qing atlas reside in the main libraries and archives maps at The First Historical Archives of China 中國第一歷史檔案館, see Li (2002). a result, this chapter only considers printed editions. For a taste of the wealth of of mainland China, but are not available for consultation at the time of writing. As

Fuchs (1943), 124-18.

With the exceptions of Korea, for which teams only surveyed the main road connecting the capital with Qing territories; and the headwaters of the Yangzi, Yalong, and Yellow do not match the accuracy found on other sheets and therefore must borrow from earlier nvers, located in Kokonor, a region not surveyed until 1717-1718 (Chapter z). These maps

Stary (1997), 192.

Volume 2 of Fuchs (1943) includes facsimile versions of all 1717 and 1721 maps. I have not been able to consult a complete first edition of the woodblock atlas.

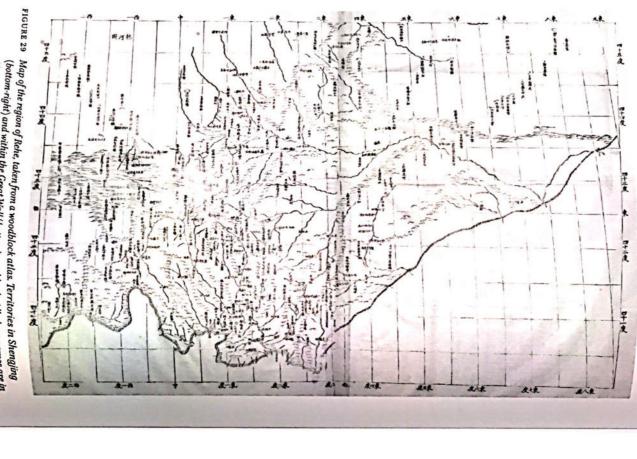


TABLE 8 The two woodblock editions compared

First woodblock edition sheets (1717)	Revised woodblock edition sheets (1721)
Heyuan tu 河源圖 (Upper Yellow River)	Heyuan tu 河源圖 (Upper Yellow River)
[no title] (Yalong river) [no title] (Upper Yangtze/ Mekong/Salween)	Jinsha langcang deng jiangyuan tu 金沙瀾滄 等江源圖 (Upper Yangtze/Mekong)
Hami tu 哈密圖 (Hami)	Hami Gasi tu 哈密噶思圖 (Hami-Gas) Zawang Aerbutan tu 雜旺阿爾布灘圖 (Tsewang Rabdan)
(not included)	Lazang tu 拉藏圖 (Central Tibet) Yalu Zangbu tu 雅鲁藏布江圖 (Brahmaputra) Gangdisi Alin tu 岡底斯阿林圖 (Kailash)

with its textual companion, the Imperially Commissioned Overview of Imperial 1717 first-edition woodblock atlas' four maps plus additional territories in Tibet Territories. 450 1721 following a full revision of the Chinese renditions of place names.⁴⁴⁹ The proper (table 8).448 The carving for these sheets, however, only occurred in the drawing of seven new maps covering the Tibetan regions depicted in the According to Fuchs, the survey of the Tibetan highlands in 1717–1718 enabled Imperial Workshops then printed the revised woodblock atlas simultaneously One opportunity for improving Fuch's findings, which date back to

present, unfortunately, maps in mainland China are difficult to consult at best, so that here I can discuss only a limited number of maps mentioned in the 1940s, lies in close study of these different editions' extant sheets. At

ROYAL LIBRARY OF BELGIUM, LP VB 11.283 E (2), F.6.

Chinese (c. 31×54 cm).

(bottom-right) and within the Great Wall (bottom) are blank. All place names are in

⁴⁴⁸ Fuchs (1943), 126.

⁴⁴⁹ es a revision of Tibetan place names. Kangxi chao shilu, juan 290. Fuchs (1943), 1:43-44. Fuchs quotes a passage from the Kangxi chao shilu, which announc-

⁴⁵⁰ Chen (1990), 107.

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catalogues. 451 In Europe, on the other hand, the sheer quantity and dispersal era sheets from the Qing atlas. 452 of extant sheets makes consulting them all quite impracticable. Even though this chapter, I still intend to give a comprehensive overview of extant Kangxi I have not been able personally to consult many of the copies mentioned in

complete or adaptations: a nearly complete copy resides at the Royal Library only one complete copy, in the British Library.⁴⁵⁴ Other extant copies are inone. 453 On the other hand, of the very rare revised edition of 1721, I have found of Belgium, given to the Jesuit College at Lille by François Noël (1651-1729),455 least one set reached Paris before 1720 and Fuchs himself allegedly owned maps of regions outside the Great Wall. The title of each map transcribed into incomplete copy of the revised edition survives. 457 The National Library of woodblock atlas;456 and in the National Library of China in Beijing another fourteen Chinese provinces and the map of Shengjing, clearly based on the the Library of Congress possesses a carefully executed manuscript version of later date. 459 Decades later, the atlas reached Paris either with Joseph-Nicolas but it perhaps more likely reached Saint Petersburg via correspondence at a bassador Lev Vasil'evich Izmailov (1685–1738) the same year of its production, front (figure 30). 458 The lore surrounding it claims it was a gift to Russian am-France, finally, harbors thirteen sheets with a blue silk border, all revised-edition Russian appears on the back, with place names transcribed in French on the I have been unable to locate a first-edition woodblock atlas, although at



FIGURE 30.1 The Rehe map from the revised woodblock atlas, with Russian and French transcriptions (c. 38 × 55 cm). 4461 (RES). BIBLIOTHÈQUE NATIONALE DE FRANCE, CARTES ET PLANS, GE CC

gnon d'Anville during the 1740s.460 of maps between the two cities by French cartographer Jean-Baptiste Bourgui-Delisle on his return to France in 1747 or following negotiations on the transfer

The Copperplate Editions

A stylistically very different version of the Qing atlas was printed from copprobably introduced by either Joachim Bouvet or Pierre Jartoux in the late 1690s. 461 This sinusoidal projection allows measurement of true north-south the woodblock version as well, is that commonly known as Sanson-Flamsteed perplates, a process introduced by the Italian missionary Matteo Ripa. Wang Qianjin has shown that the projection used for this version and, it seems, for

⁴⁵¹ At the time of writing, maps kept in The First Historical Archives of China were unavailable for consulation.

⁴⁵² An annex to this chapter contains a schematic overview of extant atlas sheets

⁴⁵³ Fuchs (1943), 115. In this case, a 1717 atlas may still reside at the Peking University Library with the remainder of Fuch's collection, but I could not confirm this. For the atlas that reached Paris, see Gaubil (1970), 216.

⁴⁵⁴ BL OC 15270.E.4; Li (1996), 165-166. British Library (hereafter BL), Maps C.11.D.15. A later reprint of these maps (c. 1850) is at

⁴⁵⁵ Koninklijke Bibliotheek België (hereafter KBB), LP VB 11.283 E(3); Dudink (2006), 85–87.

or online at http://www.loc.gov/item/2002626779/. Li (2004), 13-14. Unclear provenance, perhaps later copies. Viewable in Lin (2013), 75-78:

⁴⁵⁷ Yutu yaolu (1997), 38.

⁴⁵⁸ BNF, Cartes et plans, Ge CC 4461 (RES).

I am indebted to Gregory Afinogenov for this reference. together, initiating a discussion of different European countries. Demidova (1978), 1231. Ismailov embassy only mention that Kangxi showed Ismailov a map which they viewed tooether initiation. Fuchs (1935), 398; Isnard (1917), 117; Cordier (1966), 1184. The extant documents from the

⁴⁶⁰ Dulac (2002), 265.

⁴⁶¹ Wang (1990); Wang (1991); Wang (1995). Bouvet carried a map of Asia drawn on the basis occupied himself with the projection and the integration of the draft maps immediately of a Sanson-Flamsteed projection (Chapter 1) with him, whereas we know Jartoux to have after the land surveys (Chapter 2).

CHAPTER 3

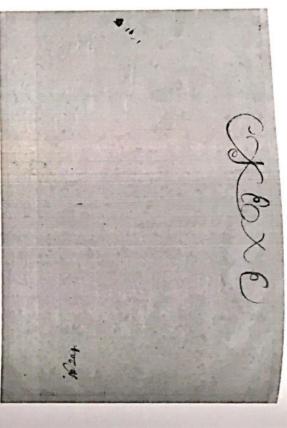


FIGURE 30.2 The Rehe map from the revised woodblock atlas, with Russian and French transcriptions (c. 38 × 55 cm).

BIBLIOTHÈQUE NATIONALE DE FRANCE, CARTES ET PLANS, GE CC 4461 (RES).

distances or latitudinal distances directly on the map where the parallels intersect with the main meridian. 462 Thus, another major practical advantage of this projection is that large maps divide readily into rectangular sheets easily reassembled after printing. Most extant copies of the copperplate atlas indeed consist of eight horizontal scrolls further divided into forty-one individual sheets (printed from forty copperplates) of about 40 × 66.5 cm (scale 14.000.000). Some sources mention more sheets, but include those lacking cartographic content. The sheets combine to form one large map of c. 3.2 × 4.7 meters (figure 31). One striking feature of the copperplate atlas is that place names for the fifteen Chinese provinces appear in Chinese, whereas those of areas outside the Great Wall and in Tibet and Korea are in Manchu. 463 This feature, when considered alongside the fact that the copperplate atlas is in fact a multi-sheet map rather than an atlas, suggests the Imperial Workshops first

produced it as a separate empire-wide map for the emperor's perusal, unlike the woodblock atlas that presumably formed a set with the *Imperially Commissioned Overview of Imperial Territories*. ⁴⁶⁴ In other words, the copperplate atlas was a Manchu representation of Qing space for the emperor and perhaps the imperial clan generally, while the woodblock atlas and its textual companion catered more towards the court's scholarly officials.

Another feature, also to be found in the woodblock atlas but far more noticeable in the copperplate one, is the empty spaces in eastern Taiwan and in Guizhou province. They appear entirely blank in print, but extant sheets in European libraries and archives often carry explanations added later. The following note appears in an empty space on one of these sheets:

Land called Miao tsu [sic]. Although it stands in the middle of the Chinese Empire, it is not subject to it. It has its own Prince. The people of this land are much stronger than those of China. They have different customs and language. [This land] is quite mountainous. The same I say of those two other lands lateral to it.⁴⁶⁶

Such manuscript comments on extant copperplate sheets in European institutions come mostly from the hand of Matteo Ripa, often credited as the copperplate atlas' sole author. Ripa's edited diaries, however, give a different perspective on his involvement in their production:

The Emperor had long desired to have someone in his service who could engrave the geographic map mentioned above. He accordingly inquired whether... I understood anything besides music, mathematics, and painting... I said that I knew something of optics, and also the theory, although not the practice, of the art of engraving on copper with aquafortis. His Majesty was highly pleased to hear that, [and] although I had not

⁴⁶² Meskens (1998).

⁴⁶³ Place names for the Korean peninsula are in fact Manchu transcriptions of the Chinese pronunciations of Korean denominations. Stary (1997), 191.

⁴⁶⁴ It remains unclear whether or not the copperplate version or multi-sheet map in fact appeared bound together in a book after printing. Hence, I choose to use the term "atlas" to refer to both the woodblock and the copperplate versions.

The extant sheets in Naples and London (see below) contain such additions. The sheets kept in Brussels carry notes in Latin, most likely by the hand of François Noël.

^{*}Miao tzu" stands for the Miao people or Miaozu 苗族. "Terra chjamata Miao tsu. Benche stia in mezzo l'Imperio di Cina, non stà però soggeta all'Imperio della Cina. Ha Principe a parte. La di lei gente è assai più forte della gente di Cina. Ha costume, e favela diversa. è assai montuosa. L'istesse dico delle due terre à quella laterali." Stary (1997). 191-

practiced the art of engraving, I was ready to attempt it, and he immedi ately ordered that I should begin to engrave. In the shortest time possible I, with a point, traced a landscape upon a plate coated over with lamp of the empire, which I afterwards executed in forty-four plates, as may be engraving on copper, the Chinese making theirs by fixing the drawing on out this being impaired; for this was the first time that he had seen an and surprise at finding the copy so perfectly similar to the original with er with the original, to his Majesty, who expressed considerable delight and commanded his Chinese painters to draw a landscape, in order that black, as a preparation for the aquafortis; and I had scarcely done this seen in the hall of our college.467 me to engrave and arrange together in the same manner the great map a block of wood and cutting them both at once with a chisel... he ordered present a very handsome appearance, the Emperor was delighted with it, when the Emperor desired to see it. As subjects on plates thus prepared I might afterwards engrave it. As soon as it was done it was shown, togeth-

Ripa's unedited diary dates the imperial order that he engrave the maps onto copperplate to May 22nd, 1714, shortly after he had showcased his engraving skills with the thirty-six views of the imperial retreat at Rehe, but years before the surveys' completion in 1718.468 What we do not know, however, is for precisely how long or when Ripa worked on his engravings, even though this date suggests his involvement in atlas production from early on. More unanswered questions exist with regard to Ripa's exact role in the production process. Based on a linguistic analysis of place names north of the Great Wall, Giovanni Stary has argued that Ripa could not have had much knowledge, if any, of the Manchu language, but must have relied instead on the collaboration of two clerks (baitangga) from the Imperial Workshops.469 When we put

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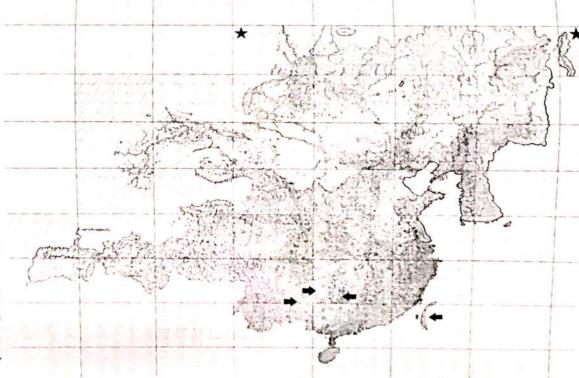


FIGURE 31 All forty-one sheets from the 1719 revised edition of the copperplate atlas, printed from forty copperplates and forming one large map (c. 3.2 × 4.7m). The two sheets marked with an asterisk were engraved using the same copperplate. Arrows mark the empty spaces.

DIGITALLY ASSEMBLED BY LIEVEKE OF TEN BERG.

rope. Quote taken from an English-language narrative based on Ripa's writings. Prandi (1855), 66 & 88. English translation from an Italian original. Ripa (1832), 408–409 & 463–464. Ripa's actual diary corresponds to this text but gives the date of the imperial order. Ripa (1991–6), 2136. Note that Ripa here mentions forty-four plates, presumably including some of the empty plates that make up the square (figure 31).

A68 Ripa (1991-6), 2:136. The thirty-six views of Chengde, which Ripa refers to as "land-scapes" in the quote above, have received extensive study. Gray (1960); Li & Wang (2006); Strassberg (2016).

Stary speaks of a "total ignorance of the Manchu language." Stary (1997), 188 & 191. For another article on the same subject, see Stary (2006). Baitangga, which I translate as "clerks," were helpers at the Imperial Workshops (Chapter 2). Albanese (2006), 57.

since he had introduced the technique to the Qing court. he merely oversaw the technical execution of the copperplate printing process, merely engraved works others had already produced, it seems safe to assume Stary's claim next to the excerpt quoted above, in which Ripa claims to have

tool called a burin. The engravers likely executed coastlines, gridlines, and rivused lamp-black instead). The actual engraving involves a sharp needle-like plates of polished copper subsequently coated with wax (Ripa claims to have ers first, followed by vegetation and depth elements such as shadowing along experimented with several local types of acid before perfecting his technique. only to the etched lines. The printer then finally applies damp paper under nently etches all the exposed areas of the copper plate while leaving unmarked engraving of all text in reverse. After all the engraving is done, the engraver dips coastlines. Toponyms must have come last, since they constitute the most chalthose still coated with wax. Ink wiped over the cleaned plate will then adhere the plate in nitric acid (which Ripa calls "aquafortis"), a process that permalenging aspect of copper engraving: the plate is a mirror image, requiring the pressure, producing a positive image of the plate. Evidence suggests that Ripa The technique of copperplate printing consists of engraving a design onto

of the Great Wall around Hami. among the copies he was able to consult in China. 470 These discrepancies also gues for the production of a draft version in 1717, listing important differences routes and important temples (figures 32 & 33). The same is true for areas west whereas the 1719 edition contains more precise depictions and even includes of Tibetan areas, for example in depicting areas in today's western Sichuan, Most important, these sheets display a rather sketchily executed depiction sheets containing clear differences from printings of the 1719 copperplates.471 appear in different extant copies in Europe. The Italian Geographic Society, las, several elements suggest the existence of two different editions. Fuchs arthe Royal Library of Belgium, and the British Library all possess copperplate Whereas I have so far mentioned only the 1719 edition of the copperplate at

This comparison of extant sheets could provide the basis for an attempt at tion of the atlas lacking the updated data from the Tibetan survey of 1717-1718. Detailed comparison confirms that these sheets were part of an earlier edi-

played out in parallel. the production processes of both the woodblock and the copperplate atlases table partly corresponds with the timeline proposed by Fuchs, illustrating that atlas production at the Qing court during the late Kangxi years (table 9). The sion process shaped the different editions of the woodblock and copperplate atlases. Based on these insights, we can construct an improved timeline for duction from 1714 onwards further supports the possibility that the same reviexistence of this 1717 edition copperplate atlas also corresponds with the evostituto Universitario Orientale in Naples, mentioned in the quote above and tation of extant sheets could help to improve it. The wall map kept at the In-Tibetan maps after 1717. The fact that Ripa claims involvement in atlas prolution of the woodblock atlas, including, as discussed above, entirely revised donated by Ripa himself, matches this reconstruction almost perfectly. 472 The reconstructing the 1717 copperplate atlas (figure 34), although further consul-

copperplate edition; the Italian Geographic Society harbors two sets mixing complete copies of the copperplate atlas: the National Library of France owns a number of Latin transcriptions.⁴⁷³ Reproductions in a number of catalogues both editions;⁴⁷⁵ in Saint Petersburg, finally, three incomplete sets of sheets Great Wall; the Royal Library of Belgium has an incomplete copy of the first twelve sheets, constituting the three upper rows depicting regions north of the Matteo Ripa. On the other hand, several European libraries also preserve inon different sheets.⁴⁷⁴ The autograph appears to resemble strongly that of show notes in Italian, such as "pozza" (well) and "loco di posta" (postal station), latter correspond to the two upper rows of the copperplate version and carry University Library, and nine sheets are in the National Library of China. The at the Dalian Library, while twenty-eight copperplate sheets are at the Peking China, two different sets of unknown quantities of copperplate sheets reside whether they are first- or second-edition copperplate sheets. In mainland been unable to consult personally, I accordingly cannot at present determine perplate sheets forming the basis for my analysis. Regarding those I have The annex inserted at the end of this chapter summarizes the extant cop-

Fuchs (1943), 25-27.

⁴⁷¹ Società Geografica Italiana (hereafter SGI), Cina 257. See also Cerreti (2001), 62-63. KBB. See also Li (1997), 127. sheets to the reproductions of the 1719 copperplate edition in Wang & Liu (2007), vol. 1. LP VB 11.283 E (2). See Dudink (2006), 89. BL, Maps K Top 116 15-15a-15b. I compared these

⁴⁷² Compared to the reproduction included in Petech (1953)

⁴⁷³ Dudink (2006), 90; Yutu yaolu (1997), 38; Huang (2010), 358–361; Beijing daxue tushuguan cang guji shanben shumu (1999), 115-

⁴⁷⁴ Huang (2010), 358-359 (bottom-middle).

⁴⁷⁵ KBB, LP VB 11.283 E(2); SG1, Cina 170 & 257. See also Dudink (2006), 87-92; Cerreti (2001), pencil. ences to extant copies of the copperplate atlas. The Brussels copy includes Latin notes in 62–63: Li (1996), 163. I am indebted to Ad Dudink for his excellent bibliographical refer-

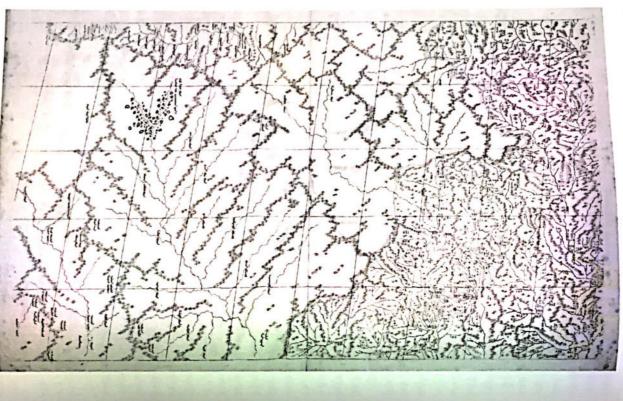


FIGURE 32 First edition copperplate atlas, sheet 4 of row 5 (c. 40 × 66.5 cm). Territories in Sichuan (right) include place names in Chinese, while those in the Tibetan highlands (left) are in Manchu and contain large blank spaces.

ROYAL LIBRARY OF BELGIUM, LP VB 11.283 E (2), FOL. 14.

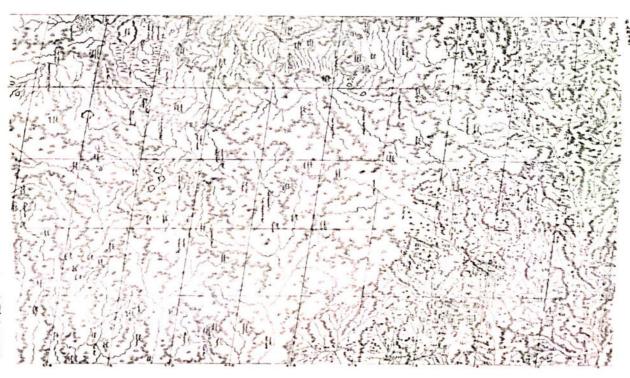


FIGURE 33 Revised copperplate atlas, sheet 4 of row 5 (c. 40 × 66.5 cm). Tibetan areas include more detail compared to the corresponding furst-edition sheet in figure 32. Dotted lines indicate routes.

TAKEN FROM WANG & LIU (2007), VOL. 1.

FIGURE 34 Attempted reconstruction of the 1717 first edition copperplate atlas, with the Sichuan asterisk were replaced in the revised edition. Compare to figure 31. sheet (figure 32) inserted and informed by extant sheets. Sheets indicated with an

Timetable of map production during the late Kangxi years.

1717 Return to Beijing of the last team of mapmakers including

A team not including missionaries goes to survey Tibet

Completion of the first woodblock and copperplate editions

1718 - Return of the team sent to survey Tibet

Completion of the revised maps in manuscript form⁴⁷⁶

Fuchs (1943), 1:35-36 & 60,

Presentation of the revised copperplate edition to the emperor⁴⁷⁷

1719 Completion of the revised copperplate edition

1720 Thorough revision of Chinese renderings of Tibetan place names⁴⁷⁸

1721 Completion of the revised woodblock edition and route book

companion

been able to verify this), Ripa personally handed one of these sets over to an the Russian Academy of Sciences. 479 According to Giovanni Stary (I have not covering areas north of the Great Wall are at the Institute of Oriental Studies of Italian member of the Izmailov mission as a gift to the Russian Tsar.480

ments regarding the several experiments conducted before Ripa's perfecting of separately drew the coastlines as depicted on the copperplate atlas on four edition to the 1717 sheets. All scrolls include notes in Ripa's own hand. Ripa also Sichuan sheet (figure 32). The other two scrolls simply add parts of the revised cil. One such, a mixed copy on three large scrolls that Ripa donated to King copies contain personal annotations and borders often traced in colored penstituto Universitario Orientale in Naples (formerly the Collegio dei Cinesi di kept for himself. 483 Third, as mentioned in the excerpt quoted above, the Inthe printing process, identifying the Bologna copy as an early specimen Kipa One of these scrolls forms part of a 1717 edition, thus including the first-edition George I (r. 1714-1727) as he passed through London, is at the British Library. 481 teo Ripa himself, who returned to Europe aboard an English ship in 1724. These large sheets. 482 Second, a copy resides in Bologna alongside explanatory docu-European institutions own at least four other copies brought back by Mat-

⁴⁷⁷ In the quote cited at the beginning of this chapter, the emperor asks grand secretary Jiang Tingxi with responsibility for the production of the woodblock atlas. AGS, 177892-001 Tingxi to check the atlas for mistakes. A memorial to the Qianlong emperor credits Jiang

Fuchs (1943), 1:43-44.

⁴⁷⁹ Described in a catalogue by Tatjana Pang. Pang (2001), 168–170

⁴⁸⁰ Stary (2001).

⁴⁸¹ BL, Maps K Top 116 15-15a-15b; Gray (1960), 40; Li (1996), 163; Albanese (2006), 64-

вь, Марѕ К Тор 116 18.2 тав.

e poi col Bolino, le riuscì finalmente di intagliarla col Bolino, ed indi impressa al modo è il presente." Albanese (2006), 62. Europeo presentarla all'Imperadore, ritenendo per se pochissimi Esemplari, dei quali uno (2006), 89–90. "tentò egli l'Impresa, e doppo vari esperimenti fatti prima coll'aqua forte. This perhaps explains further inconsistencies in the sheets extant in Europe. Dudink

Ripa himself transliterated place names, traced provincial borders in color sheets donated to Holy Roman Emperor Charles VI (r. 1711-1740) on August and wrote explanatory notes where he felt necessary. Finally, a copy in forty Napoli) harbors a first-edition copy donated by Ripa, the college's founder 484 21st, 1726 in an effort to elicit financial support for the College in Naples resides

tention to the revised copperplate atlas. In contrast, scholars seldom consider zheng and Qianlong editions discussed below and has attracted scholarly atin Shenyang in the 1920s, enabling new prints published in 1929 and 2007,486 The recent facsimile publication appeared in a set including both the Yong Last, the original copperplates for the revised copperplate atlas came to light

the woodblock editions. Imperially Commissioned Compilations and Later Renditions

of Qing Territories (Da Qing yu ditu 大清輿地圖) or Maps of the Unified titles such as Maps from the Inner Palace (Neifu yu ditu 内府輿地圖), Maps curred, it seems, throughout the eighteenth and nineteenth centuries, with Separate publications of maps included in the Comprehensive Collection ocwithout gridlines, as well as 216 prefectural maps printed from woodblocks. and Pictures of the Past and Present or Gujin tushu jicheng 古今圖書集成,487 The earliest version, dating from 1726, the Comprehensive Collection of Books compilations included strongly reduced maps, no less based on data from rectly linked to the land surveys of the late Kangxi reign. A number of later each of which appeared in two different editions, were not the only maps di-The woodblock and copperplate versions of the Qing atlas described above Qing (Qing yitong yutu 清一統與圖).488 These works sometimes include all includes maps of the different provinces and regions, strongly reduced and the surveys, often alongside textual descriptions of (parts of) Qing territories.

reforms implemented during the Yongzheng and Qianlong years. adjustment of the maps in these later publications reflecting administrative lines but never with degrees of latitude and longitude. We should also note the or only contain the provincial and regional maps, sometimes with added gridprefectural, provincial, and regional maps from the Comprehensive Collection

as similar as my limited comparison suggests (I have not been able to consult ended this prefecture's subordination to Sichuan province. Thus, if the two sets meaning the map must date from after 1728, when administrative reform torm under subsequent emperors, particularly in the southwest. these maps), both must date from a later period, reflecting administrative reat the National Library of China and the Peking University Library are indeed "1719 at the latest." 492 However, several elements suggest a (much) later date. block atlas of the Kangxi period, whereas the Map of Princely Territories beenjoyed publication. 491 Some of these maps seem to be similar to the woodof Princely Territories beyond the Passes or Kouwai zhuwang tu 口外諸王圖, The map of Yunnan, for example, includes the prefecture of Zhaotong 昭通 These observations presumably led the volume's editors to date them back to yond the Passes certainly had its origin in a time preceding the land surveys. king University Library within a much larger collection of maps and recently dong and Tibet. 490 On the other hand, a highly similar set survives in the Pefrom this set that I have found reproduced in catalogues are those of Shanneither of which exists in a known printed version. 489 The only other maps eral map of Tibet and one schematic map of Mongolian banner areas, the Map ample, harbors a set of twenty-eight manuscript maps, including one rare gen-Manuscript adaptations are also extant. The National Library of China, for ex-

atlas. Today we know the Yongzheng-era atlas, printed from woodblocks, as las over subsequent decades and under different emperors. Most important of these were the different Yongzheng and Qianlong-era renditions of the Qing The Imperial Workshops produced more thorough revisions of the Qing at-

⁴⁸⁴ Petech (1953). The map carries the title Yuzhida Qingyitong quantu 御制大清一統全圖 acters is rather bad, suggesting Ripa wrote them himself. See also Li (1996), 163; Fatica (2006), 206-208; Albanese (2006), 62. which does not appear in contemporary Qing sources. The handwriting of these char-

Albanese (2006), 66.

Wang & Liu (2007). The 1929 print, which I have not consulted personally, carries the title Man-han hebi Qing neifu yitong yudi mitu 滿漢合鑒清內府一統與地秘圖.

⁴⁸⁷ Fuchs (1943), 1: 48-56 & 60. Note that Jiang Tingd, one of the grand secretaries and mentioned in the quote at the beginning of this chapter, was responsible for compiling these

The National Library of China (Zhongguo guojia tushuguan 中國國家圖書館, hereafter ter NLC) holds two copies, carrying the titles of Neifu yu ditu 内府舆地圖 and Huangou

grid lines. Yutu yaolu (1997), 39 [0390 & 0391]. Another version of the Neifu yu ditu dating inces, the map of Shengjing, and, only in the latter, a general map. Neither copy includes quantan tu fensheng tu 皇輿全覽圖分省圖. They contain only the 15 Chinese provback to 1876 resides at BNF, Ge FF 14550 (RES); Li (1996), 168-169-

⁴⁸⁹ Yutu yaolu (1997), 38 [0384]. For more on the unique Kouwai zhuwang tu, see Ha-si-ba-gen

[&]amp; Cheng (2010)

⁴⁹¹ As part of Yao (2008), 1–65. This set only contains 18 maps. The Tibet map, included in the Yan (1998), 186-187.

⁴⁹² Yao (2008), 1. This volume reproduces all maps NLC set, is one of those missing here

another Yongzheng version printed in 1729 followed further administrative resent copies to most provincial governors. 498 Yu Fushun has claimed that yet

perplate atlas in including place names in Chinese and Manchu and in forming temporary documents referred to it as Complete Maps of Imperial Territories or the Yongzheng Map in Ten Rows or Yongzheng shipai tu 雍正十排圖, but conareas far beyond the scope of the Kangxi-era copperplate atlas, essentially addone large map by combining sheets, one hundred in total. The map includes Huangyu quantu 皇輿全圖. It builds entirely on the style of the Kangxi copof the Qing atlas include an increase in the number of place names, the incorareas not included in that atlas. Other differences with the Kangxi-era editions directly from the Kangxi-era copperplate atlas, while European cartographies, cern must have been the reading of distances. Even so, much of the data came readings of latitude and longitude incorrect, suggesting the court's chief conabout 200 li on the ground, the Yongzheng edition also indicates latitudes on parently drawn on the basis of the grid system, with each square representing ing the entire Russian Empire from Kamchatka to Riga. 493 Even though apof historically significant journeys using dotted lines. 494 route books, and accounts of imperial envoys supplied the raw data regarding the left of each row and longitudes on the bottom of every sheet. This renders poration of administrative reforms in the Chinese provinces, and the depiction

cussed in the third part of this chapter.

Petersburg in the aftermath of the circulation of the Kangxi-era atlas, as disrectional exchange of cartographic knowledge among Beijing, Paris, and Saint the production of the Yongzheng edition was inextricable from the multidiand the Yongzheng court's general suspicion of them. 500 What is certain is that

lack of missionary involvement in the material map's production as a whole libraries, it is rare and no sheets appear to be extant in Europe, confirming the though a few Yongzheng editions have turned up in mainland archives and form in the Chinese provinces (I could not verify this independently).499

China than its predecessors: in the first half of 1728 the emperor personally never available for sale. 497 It did, however, circulate more widely within Qing ly reached print in late 1727 or early 1728 but, like the Kangxi-era atlases, was although none of the missionaries appear to have been directly involved in rate map. 495 In essence, these maps seem to have covered most of the lands from Kamchatka all the way to Saint Petersburg and prepared it as a sepa-Fridelli, two Kangxi-era mapmakers, to make a map of the lands between Qing revision process. For example, in 1725 the Yongzheng court asked Régis and the material production of the final sheets. 496 The Yongzheng revision finalthe Yongzheng edition added to the scope of the Kangxi atlases (figure 36). (1689–1743), de Mailla, and Gaubil compiled a depiction of Russian territories territories and the Caspian Sea. Later, in the first months of 1727, André Pereira Several Jesuit missionaries at court during the 1720s consulted on the

1774), another Jesuit, again embedded within a team of several Qing officials

the same two Jesuits plus Ferdinand Augustin Haller von Hallerstein (1703northern Xinjiang as far west as the Ili River before returning to Beijing. In 1759. Beijing for Hami on March 21st, 1756. They prepared a map of Qing-controlled

including He Guozong and Mingghatu, traveled to Xinjiang for a second round

ate of Astronomy, He Guozong 何國宗 (d. 1766) and Mingghatu 明安圖, left and José d'Espinha (1722–1788), two lamas, and two officials from the Directorefforts for these areas, although it seems they encountered more suspicion gar, into the Qing Empire. He asked several Jesuits to assist in the mapmaking

team of mapmakers, including Portuguese Jesuits Felix da Rocha (1713–1781) than under Kangxi, sensitive information kept carefully from their hands. A of those areas, reflecting Qianlong's control over them following his defeat of ducted, for the first time, to the west of Hami, greatly improved the depiction

Peninsula, Persia, and the Indian Subcontinent (figure 36). New surveys con-Qing atlas, including depictions of lands as far afield as Asia Minor, the Arabian

In the 1750s, the Qianlong emperor called for yet another new edition of the

the Zunghars and incorporation of their lands, Altai Mountains down to Kash-

500

⁴⁹⁸ A search in the online database Yishi cang Kangxi Yongzheng chao man han wen zhupi Sichuan: 6/IV/15—Yunnan: 6/IV/26—Jiangnan: 6/V/10—Guizhou: 6/XI/6. era atlas. E.g. Henan: yz 6/III/25—Shandong: 6/III/27—Zhejiang: 6/IV/6—Shaanxi & plete Map of Imperial Territories and mentioning the atlas' adaptation from the Kangotmemorials by governors and governors-general acknowledging the arrival of the Comzouzhe huibian mulu 一史館藏康熙雍正朝滿漢文硃批奏摺匯編目錄 shows

Yu (1983), 75.

The 2007 reproduction in Wang & Liu (2007) relies on a copy kept at the Library of the chives of China. Yan (1998), 190-191 Chinese Academy of Sciences. Other versions have turned up in The First Historical Ar-

Reproduced in Wang & Liu (2007), vol. 2.

⁴⁹⁴ One example is the 1698 journey of Qing envoys to Khalka lands after the defeat of Galdan (Chapter 1).

Gaubil (1970), 182-183.

Gaubil (1970), 171-175; Pfister (1932), 1:532

Yan (1998), 190-191

graphic information provided by local informants. cities and major routes while filling in the blanks using existing maps and geogions around Kashgar. In both surveys, the mapmakers apparently followed of land surveying, this time mapping the more southern Qing-controlled repractices dating back to the Kangxi period, determining the positions of major

of Asia Minor, Persia, the Arabian Peninsula, and the Indian Subcontinent incorporated new data from the two Xinjiang surveys. The depictions of parts emperor using the Yongzheng-era (and thus the Kangxi-era) maps as a basis routes connecting these lands to Xinjiang and Tibet. 501 Extant Qianlong edidepended entirely on European cartographies and second-hand data on the returned to the capital but before the second team went to survey southern an update of the Yongzheng edition after the first team of surveyors had Wall.502 If this is correct, it is possible the Imperial Workshops produced around 1757, including place names in Manchu for regions outside the Great indications of updating of the Yongzheng woodblock edition in ten rows woodblock edition with its grid-based system as prototypes. First, there are copperplate atlas with its Sanson-Flamsteed projection and the Yongzheng tions of the Qing atlas listed in catalogues suggest it used both the Kangxi The different editions of multi-sheet maps produced under the Qianlong

2.5 inches, respectively, between the lines of latitude. 503 Matthew Mosca, who edition are extant, all most likely produced with the assistance of Jesuit misveys, reside in Beijing, London, and Rome. Three closely related versions of this maps based on Qing documents, also distinguishes among three versions, albeit reconstructed parts of the production process of the Qianlong multi-sheet tions that he had engraved the same map at three different scales, with 1, 2 and sionary Michel Benoist (1715–1774). In a letter dating back to 1773, Benoist men-Other Qianlong-era editions, recording all-new data from both Xinjiang sur-

> only, but a poem by the emperor appears on the first sheet in both Chinese or Qianlong shisan pai tu 乾隆十三排圖 and most certainly linked with Benall three extant editions, commonly called the Qianlong Map in Thirteen Rows of 1.8, 2 and 2.5 inches, respectively. 504 The largest of these, the best-known of and content to the 104 copperplate edition but reduced to 78 sheets, is in the and Manchu. 505 A woodblock version of the same size that must have been also used for the Kangxi copperplate editions. All place names are in Chinese oist, was engraved on 104 copperplates using the Sanson-Flamsteed projection poem) resides in the Vatican Library.⁵⁰⁶ A second edition, identical in scope the basis for this map consists of 103 sheets (lacking that bearing the emperor's

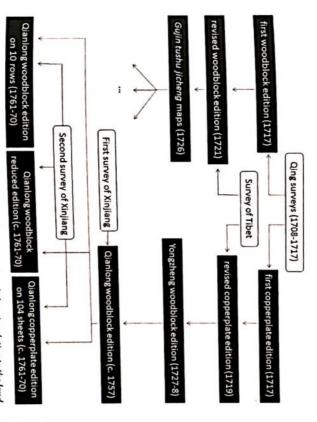


FIGURE 35 Basic genealogy of most of the Qing editions mentioned above in relation to the land surveys.

⁵⁰¹ Millward (1999).

⁵⁰² Extant copies seem to be in Beijing and Saint Petersburg, but I could not consult them date these copies back to 1757-1759. personally. Yutu yaolu (1997), 35 [0393 & 0394]; Yao (1998), 200-201; Huang (2010), 365-366. The copy in Saint Petersburg is incomplete. Pang (2001), 170-171. Most catalogues

⁵⁰³ Li (1996), 179-181. On their [the Jesuits'] return from this distant expedition Khien-lung Benedict [F. Benoist]. Journal asiatique, Vol. 9, 325, as quoted in Baddeley (2006), cxcli. gree of latitude respectively. The superintendence of this work was assigned to Father contiguous countries; they were on scales of 1 inch, 2 inches and 2.5 inches for each decaused new maps, of different dimensions, to be made of the whole empire and the

⁵⁰⁴ Mosca (2013), 112-113.

⁵⁰⁵ Yutu yaolu (1997), 40 [0395]. BL, Maps TAB 1b. A 1932 reprint was published by the Impe-40 [0396]. This is also the atlas reproduced in Wang & Liu (2007), vol. 3and in Beijing, London, and Washington. Li (1996), 178–179; Li (2004), 14; Yutu yaolu (1997) rial Museum of Beiping. Reprint copies are in Taipei's Palace Museum at 021049-021156;

⁵⁰⁶ 14 (1996), 175-178.

CHAPTER 3

National Library of China. 507 The third, also known as the Qianlong Map from the Inner Palace in Squares or Qianlong fangge neifuyutu 乾隆 方格內時興圖, grid-based in the style of the Yongzheng edition and printed on ten rolls, includes Manchu place names for regions outside of the Chinese provinces, 508 Further study of extant copies will hopefully specify the production process of these different versions and determine whether or not they correspond with

the findings of Mosca.

This overview of printed editions, all of which directly incorporate data gathered during the 1708–1718 land surveys, has confirmed the initial production of two different versions of the Qing atlas at court: the first carved from woodblocks, the second engraved on copperplates. Each version appeared in two editions, the second including a revision for the Tibetan areas and the region around Hami. Throughout the eighteenth century, the Imperial Workshops under the Yongzheng and Qianlong emperors again revised the copperplate version into different editions using various modes of representation (figure 35). Although none of these large atlases were available for sale, imperially commissioned compilations and more popular publications included strongly reduced versions of the woodblock maps.

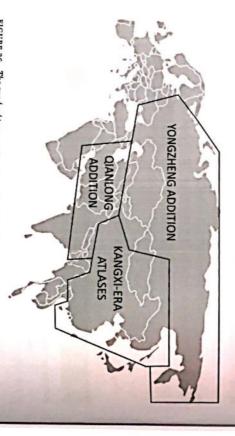


FIGURE 36 The gradual increase in geographic scope from the Kangxi-era atlas to the Yongzheng and Qianlong editions.

3.2 The European Incorporation of a Qing Atlas

regional maps. 509 maps? In this section I will answer these questions by closely comparing the production and publication processes behind different sets of d'Anville's d'Anville's maps to the different editions of the Qing atlas and reconstructing there, and to what extent were the Qing originals the basis for the published reach Europe? Why did more than fifteen years pass before their publication little about the general context of their production. How did the original maps much scholarly attention to d'Anville's maps in past decades, we yet know new general maps of these regions, had executed the adaptations. Despite missionaries. Jean-Baptiste Bourguignon d'Anville, who also composed four produced at the behest of the Qing emperor with assistance from European Asia, confirms that most of these maps were adaptations of Chinese originals et physique de l'empire de la Chine et de la Tartarie chinoise. In the preface, Jean-Baptiste du Halde, editor of this encyclopedic work on continental East volumes of the Description géographique, historique, chronologique, politique maps of the Chinese provinces, Tartary, Tibet, and Korea within the four large rial Workshops printed the Kangxi-era editions of the Qing atlas, of forty-one The year 1735 saw the Parisian publication, more than a decade after the Impe-

I begin by tracing the initial transmissions of the Qing atlas to Europe, where controversy immediately engulfed plans for a European adaptation. Next, a brief biography of d'Anville kicks off the story behind the actual publication process, reconstructing the lines of communication from the Beijing missionaries to d'Anville via du Halde. In a last step, I analyze the French cartographer's adaptations in detail, identifying the specific sets of maps—sent from Beijing to Paris at different times—that d'Anville used. This leads to the conclusion that d'Anville employed different versions of the Qing atlas in producing his celebrated maps of continental East Asia, all eventually inserted into du Halde's monumental Description de la Chine. 510

3.2.1 Early Transmissions and Reception in Europe

Not long after the presentation of the Qing atlas to the emperor, and certainly before 1720, Pierre Jartoux managed, perhaps secretly, to dispatch copies of the

⁵⁰⁷ Yutu yaolu (1997), 40 [0397]. 508 BL [10R] X/3265- LI (1996), 179–18L

This section of Chapter 3 is a reworked version of an article published in *Imago Mundi.*Cams (2013).

⁵¹⁰ Scholars sometimes assume the revised woodblock atlas was the main basis for d'Anville's maps. Wilkinson (2000), 148; Landry-Deron (2002), 143; Dudink (2006), 92.

THE AFTERLIFE OF MAPS

draft maps at the Imperial Workshops. He included personal notes and transdiscussed above, Jartoux was part of the team of editors who reworked the first woodblock atlas (or its manuscript revision) to his confreres in Paris, As ceeded to the Jesuit College in Paris, to the chamber of du Halde, scriptor of Europe, most likely aboard a French ship. 511 Once in France, the maps proliterated the most important place names directly onto the copies he sent to making edited correspondence from Jesuit missionaries across the world availthe French Jesuits and editor of the multi-volume Lettres édifiantes et curieuses, able to the European reading public. 512

ated a second early (and traceable) transmission. He sent maps to fellow Jesuit gested that Janning forward the maps to François Noël, a missionary who had and on the other to the European Jesuit community.⁵¹³ Fridelli therefore sugconnected, on the one hand to the Ostend Company via the Maelcamp family, sea routes between East Asia and Europe. Living in Antwerp, Janning was well-Coenraad Janning (1650–1723) by way of Ostend, then one of the more reliable ownership of them substantiates this claim. 515 One source even claims that presumably constituted one part of this transmission, but only Noël's one-time in Lille. 514 The copperplate atlas sheets now at the Royal Library of Belgium returned from Asia and fully capable of transliterating place names, who lived João Francisco Cardoso forwarded another set of maps to Lisbon, but no others Xavier Ehrenbert Fridelli, another of the original mapmakers, in 1719 initi

511

below, would follow. confirm this.⁵¹⁶ Later on, well into the 1720s, further transmissions, discussed

in Paris, Louis-François Orry, wrote thus to Beijing missionary Antoine Gaubil: Paris and Beijing. As early as 1722, the treasurer of the Jesuit missions to Asia the maps Jartoux had sent, provoking the impatience of French Jesuits in both $Nearly\,a\,decade\,passed\,before\,du\,Halde\,took\,the\,first\,steps\,towards\,publishing$

of discovery, so we only communicate through our Lettres édifiantes. Yet everyone leaves us be and nobody supports us. This is what one gains keep everything secret out of fear that [others] will deprive us of the glory I have not been able to see [the maps] for myself. They think they must from always wanting to play one's own game.517

he explained du Halde had explicit orders not to publish the maps immediately: When Gaubil himself wrote to the head of the French mission about the delay.

notice, due to several difficulties... I saw these letters myself in Paris be published... they are wrong, and I say this in plain terms, because in 1720 first, about how he keeps the maps for so long without having them Some complaints have been voiced here about Father du Halde fore my departure, in the room of Father du Halde. 518 Father Jartoux wrote [to ask him] not to publish these maps until further

emperor, undermining the French Jesuits' credibility in his eyes. If this was once published in Europe, might serve other Europeans as gifts for the Qing According to Gaubil, one key reason behind the delay was fear that the maps,

Gaubil (1970), 216.

⁵¹² One letter in this series, written by de Mailla, describes an episode of the mapping project in detail, discussing mapmaking operations on the island of Taiwan. du Halde et al. (1702-76), 141-85.

⁵¹³ In the years 1718-1728, Antwerp became a dispatch center for all kinds of material to and the Maelcamp family played a major role in the exchange. between Western Europe and East Asia. Golvers (2014). The Jesuit College at Antwerp and from Qing China, as the "Via Ostendana" had become one of the most reliable sea routes

⁵¹⁴ Fridelli wrote: "Ich wird (geliebt es Gott) folgendes Jahr die Tartarische Land-Carten, so Fuchs (1943), 1:42; Dudink (2006), 91. also, wie sie allhier zu Peking ist gedruckt worden, nach Niederlanden zugefertigt hab bereits letztverwichenes Jahr [1719] mit einem Ostendischen Schiff dem Patri Janningo Eur Erhwürden sehnlich begehen, nach Europam überschicken, nachdem ich dieselbe allwo sie Pater Noël aus der Sinischen in die Europaeische Sprachen übderzetwen kann.

⁵¹⁵ These copperplate sheets once belonged to Noël and remained at the Jesuit College in below). Dudink (2006), 91. Tartary sheets appear to be missing, perhaps because Noël sent them to du Halde (see Lille. They constitute first-edition sheets, depicting only the Chinese provinces. The

de Moyriac de Mailla (1777–1785), 1:clxxii; Pfister (1932), 1:623.

Der 1722 and kept at the Bibliothèque de l'Observatoire (BO), B 1/10/7. The letter was also ce qu'on gagne à vouloir toujours faire bande à part." Quoted from a letter of 21 Decem "Je n'ai pas pu les voir moi-même, on croit qu'il faut tout retenir serré de peur qu'on ne nous addressed to Jean-Baptiste Jacques (1688–1728), who reached Asia together with Gaubil. édifiantes. Cependant, tout le monde nous laisse et personne ne nous soutient. Voilà enlève la gloire de l'invention, ainsi que nous ne communiquerons rien que par nos lettres

⁵¹⁸ on a fait ici quelques plaintes du P. du Halde 1º de ce qu'il garde si longtemps les cartes du P. du Halde.* Gaubil (1970), 216. The delay is partly covered in Landry-Deron (2002) plusieurs difficultés... je vis moy-même les lettres à Paris, avant de partir, dans la chambre P. Jartoux écrivit positivement de ne pas publier les cartes jusqu'à nouvel ordre à cause de sans les faire paraître... on a certainement tort, et je l'ai dit nettement, car en 1720 le

du Roy at the age of twenty-two in recognition of his service to the crown as

found a patron in Louis d'Orléans (1702–1752), son of the Regent. 522 Through geography tutor to the young Louis xv (r. 1715-1774). 521 At the same time, he

his connections at court, d'Anville soon attracted the attention of Parisian

truly an important motive behind postponing the publication, it seems more in 1722 had reached him. under pressure from his critics or because news of the Kangxi emperor's death head of the mission in 1723 asking for permission to publish the maps, either the Kangxi court's knowledge. Gaubil further states that du Halde wrote to the than likely the Jesuits transported the Qing atlas to Europe secretly, without

sion (with the missionaries' hardwon permission) to the French king in 1725, 519 promising young cartographer d'Anville. We do not know whether Guillaume a detailed map of Beijing in 1718. 520 The celebrated cartographer passed away, tably with Czech astronomer Karel Slavíček (1678-1735), who had composed also frequently corresponded with different missionaries to the Qing, most no an astronomer for the Russian Empire in Saint Petersburg. Guillaume himself as well as with Joseph-Nicolas Delisle, Guillaume's brother who later became at the Académie and entertained frequent contacts with some of its members, After all, the first French missionaries to the Qing had received their training Académie royale des sciences, would have been the obvious choice to edit them. first arrived, Guillaume Delisle, Premier géographe du Roy and member of the Had du Halde not deferred the publication of the atlas when the Qing maps Delisle ever got to see the maps sent from Beijing however, in 1726, two years before the agreement between du Halde and the The Parisian Jesuits only presented the different Qing maps in their posses.

Contracting Jean-Baptiste Bourguignon d'Anville

of the seventeenth century. He supposedly composed his first map at the age of twelve, based on information he had distilled from a number of historical maps, as many cartographers of his time commonly did, but rather scrutinized mation not confirmed by other sources. He never blindly copied from earlier apparently had an eye for trustworthy data, making a point of excluding information not an eye for trustworthy data, making a point of excluding information not a contract the contract trustworthy data, making a point of excluding information not a contract the contract trustworthy data, making a point of excluding information not a contract trustworthy data, making a point of excluding information not a contract trustworthy data, making a point of excluding information not a contract trustworthy data, making a point of excluding information not a contract trustworthy data, making a point of excluding information not a contract trustworthy data, making a point of excluding information not a contract trustworthy data, making a point of excluding information not a contract trustworthy data, making a point of excluding information not a contract trustworthy data, and the contract trustworthy data, and the contract trustworthy data, and the contract trustworthy data and trustworthy data. servational and descriptive work in drawing his maps. Nevertheless, d'Anville left his office to conduct or lead land surveys, relying instead on others' oblater work, for d'Anville, a typical early-eighteenth-century cartographer, never texts. Whether or not this is more than legend, it certainly characterized his Jean-Baptiste Bourguignon d'Anville (1697-1782) was born in Paris at the end

humble background as a tailor's son, d'Anville received the title of Géographe Having published his first map at fifteen and notwithstanding his relatively

elsewhere, individually or atlas form, without du Halde's explicit permission.

els of Vitus Jonassen Bering (1681–1741) through indirect contacts from Saint

Petersburg. 524 D'Anville's contract included not selling any of his adaptations

the maps of thirty-eight Chinese cities (on seven sheets) and a chart of the trav-

cartographic material for the Description expanded through the acquisition of maps, all for insertion as fold-out maps in du Halde's books. Later, the list of and Korea (one map) sent from Beijing, as well as compile four new general ments, an important step in his career that contributed a great deal to his later

for the Qing maps' adaptation. 523 This was one of d'Anville's first major assignhad reached the Parisian elites, led de Linières to recommend him to du Halde

D'Anville's repeated expressions of interest in the Qing atlas, news of which

Chinese provinces (fifteen maps), Tartary (twelve maps), Tibet (nine maps) fame. They agreed the cartographer would reduce and redraw the maps of the ever, at the end of his life, having drawn nearly two hundred maps, his reputa-

tion resounded across Europe.

survey subsequently and surprisingly confirmed, contemporary scientific field

cerning Italy's geography solely on the basis of literary data, which a detailed work was equally successful. While he was able to rectify earlier mistakes conhis own choices himself regarding his maps' subject matter. Even so, not all his only to continue in cartography, a costly occupation, but also to begin making number of travel accounts and compilations throughout the 1720s and early contacts, the young cartographer won the contracts to compose maps for a Jesuit confessor, who later introduced d'Anville to du Halde. As a result of these elites, including Claude Bertrand Taschereau de Linières (1658–1746), the king's

1730s. Thus consolidating his reputation and income, d'Anville could afford not

practice squarely refuted his writings on the shape of the earth. In 1775, how-

AN, Maison du roi, O1 63:257.

⁵²² Dacier (1802), 3-44. Du Halde later became the Jesuit confessor to Louis d'Orléans.

d'Anville (1776), 8.

For the city maps, see Destombes (1976), 85-97. D'Anville corresponded with Josephto du Halde (discussed below) Nicolas Delisle about the discoveries of Bering, but the king of Poland sent the chart itself

every text he could lay hands on to extract and compare geographic data.

⁵¹⁹ Gaubil (1970), 216-217 & 302.

⁵²⁰ For a general overview of the scientific activities of this missionary, see Liu (2002).

contract, drawn up between du Halde and d'Anville in 1728, stipulates the cartographer's duties regarding the maps of the Chinese provinces and Tartary, work in the prospectus that I have to give to the public of my books, and in [I, du Halde] will be happy to oblige the said Sir [d'Anville] by referring to his the printer's proofs. This first contract also addressed intellectual rights, his remuneration in cash, books, and maps, and du Halde's right to correct bution. 525 Following common practice, the cartographer was also responsible the books themselves," ensuring full recognition of the cartographer's contrafor the engravings, for which he contracted the workshop of Delahaye, whom cultural and ethnographical interest for du Halde's Description) designed the niques of Chinese painting and who had also supplied fourteen illustrations of du Halde's request, however, a Mr. Humblot (said to be familiar with the techd'Anville elsewhere describes as "the most able [engraver] known to me."526 At Three separate documents spell out the specifics of the agreement. The first

Intercultural Adaptation: d'Anville's Regional Maps

versions. 530 The only substantial difference is that d'Anville's maps lack place copies of these maps on oilpaper, which he then used in producing his own tories outside the provincial borders blank (figures 37 & 38). 529 D'Anville made Jartoux had sent to Paris: both sets of maps match closely and leave the terrion the corresponding maps from the first woodblock edition of the Qing atlas drawing the maps of the fifteen Chinese provinces. 528 He based these entirely Within a year of signing the contract, d'Anville had finished reducing and re-

names for some of the localities plotted, presumably because Jartoux had not transliterated all of them.⁵³¹

although not conclusively, the hypothesis that François Noël forwarded to du ly the use of copperplate sheets from the first 1717 edition. This further bolsters, probably because of the large blank space on one of the copperplate sheets,532 twelve maps of Tartary match precisely the corresponding copperplate sheets Manchu, the language used only in the copperplate atlas, and eleven of the version (figures 39 & 40). The place names are clearly transliterations from most of the regional maps of Tartary descend directly from the copperplate editions of the Qing atlas as well. Unlike his maps of the Chinese provinces, d'Anville would use for his adaptations.533 Halde the Tartary sheets Fridelli had sent to Europe by way of Ostend which In turn, d'Anville's map of the region surrounding Hami reflects unambiguousthe lower Amur River, combining two copperplate sheets into one larger map. in terms of land coverage. The only exception is the map of the region near At the same time, d'Anville certainly had access to one of the copperplate

it also depicts the lands beyond the border with Manchuria, as only the copof the original mapmakers, received permission to consult maps and textual of France (figure 41).535 Its title refers to the fact that Jean-Baptiste Régis, one copied onto Parisian oilpaper and which now resides in the National Library Oilpaper of the Kingdom of Korea Given to the Jesuits by the Chinese, which he the two versions of the Qing atlas himself. He used a map called the Map or d'Anville used the copperplate atlas. 534 However, d'Anville did not combine tions from Manchu but with Chinese pronunciations, another indication that perplate version does. Moreover, the place names are apparently transliterascope of the map is nearly identical to that in both woodblock editions, but the woodblock and the copperplate versions in one and the same map: the on different versions of the Qing atlas, his map of Korea appears to combine Whereas d'Anville based his maps of the Chinese provinces and of Tartary

⁵²⁵ "[Moi, P. du Halde] me ferai un plaisir d'obliger ledit Sieur en faisant mention de son tra-vail, dans le plan que je dois donner au public de mon ouvrage, et dans l'ouvrage même." All contracts between du Halde and d'Anville are available in Cordier (1905), 391–400. The

⁵²⁶ "l'attention que j'ai eue de ne confier la gravûre de mes Cartes qu'au plus habile qui me fût originals reside at the Bibliothèque de l'Institut (hereafter BI), Ms 5401:245-247.

⁵²⁸ 527 For his designs, Mr. Humblot consulted Chinese paintings provided by du Halde. A cer-Compagnie des Indes, had given the paintings to du Halde, du Halde (1735), 12dix tain du Velaer, who had spent time on the Island of Hainan as a director of the French connu." d'Anville (1776), 46. For an overview of d'Anville's work, see Haguet (2010), 88-101.

⁵³⁰ 529 I compared d'Anville's adaptations in du Halde's Description with the 1721 woodblock inces are preserved at BNF, Cartes et plans, Ge D 10569-83. maps in Brussels. KBB, LP VB 11.283 E (1-4). D'Anville's draft maps of the Chinese prov-

fied those for Korea and Tibet at BNF (discussed below). Fuchs (1935), 398. I could not find d'Anville's copies of the Chinese provinces, but identi-

The first-edition woodblock atlas sent to Paris is no longer extant, but according to Fuchs its maps covering the Chinese provinces are identical to those in the revised version Fuchs (1943), 15-16.

See above (figure 31—asterisk).

See above. Fuchs (1943), 1:28; Dudink (2006), 92.

⁵³³ Stary (1997), 191. Only the copperplate editions of the atlas used Manchu

BNF, Cartes et plans, Ge DD 2987 (7325B): "Carte hullée du royaume de Corée fournie aux determining the provenance of the oilpaper. (1970), 205. I am indebted to the BNF's Département des Cartes et plans for their help in jésuites par les chinois." The map consists of two pieces of paper glued together. Gaubil

211

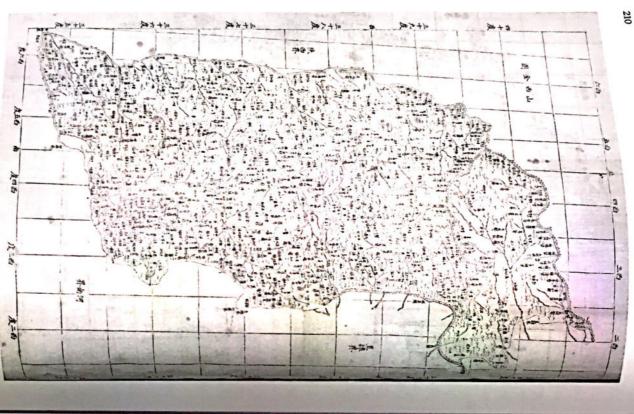


FIGURE 37 The map of Shanxi province in the revised woodblock edition of the Qing atlas (c. 38 × 25 cm), identical to the Shanxi map in the first woodblock edition. Territories beyond the borders left blank.

ROYAL LIBRARY OF BELGIUM, LP VB 11.283 E (3), F. 11.

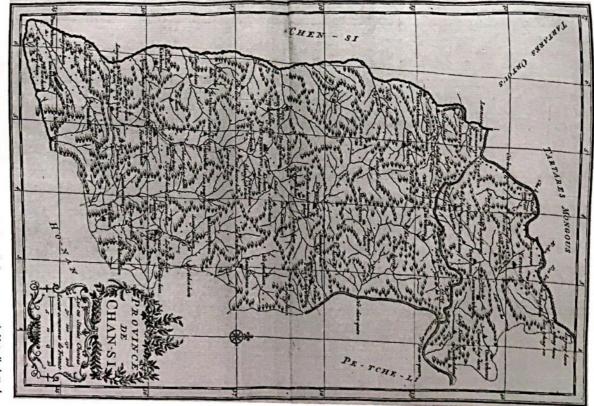


FIGURE 38 The map of Shanxi province as adapted by d'Anville (c. 35,5 × 25 cm). Not all plotted localities carry place names, presumably because Jartoux had not transliterated them.

TAKEN FROM DU HALDE (1735), VOL. 1. MAURITS SABBEBIBLIOTHEEK (UNIVERSITY OF LEUVEN).

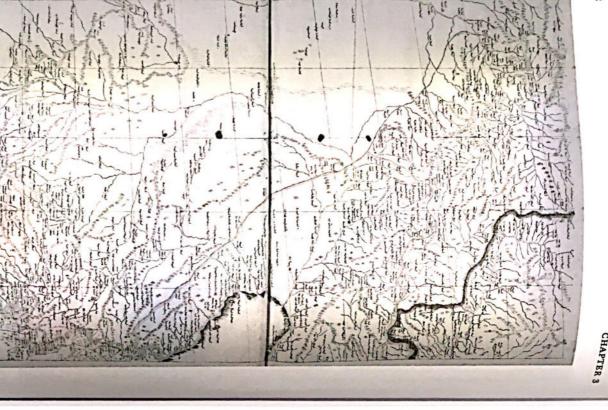


FIGURE 40 The region of Shengjing as adapted by d'Anville (c. 29.5 \times 48 cm). Place names north of the Great Wall are transliterations from Manchu. (UNIVERSITY OF LEUVEN). TAKEN FROM DU HALDE (1735), VOL. 4. MAURITS SABBEBIBLIOTHEEK

FIGURE 39 The region of Shengjing in Tartary (today's Liaoning province) in the copperplate

edition of the Qing atlas (c. 40 × 64 cm). Place names north of the Great Wall are in

ROYAL LIBRARY OF BELGIUM, LP VB 11.283 E (2), F. 10.

Manchu, those to its south in Chinese.

THE AFTERLIFE OF MAPS



FIGURE 41 Map of Korea on oilpaper used by d'Anville for his adaptation (c. 78.5 \times 53 cm). The the Beijing missionaries sent to Paris. It includes a legend of Manchu toponyms the Reimond the Reimons of the Qing atlas, constituting a copy of a map

BIBLIOTHÈQUE NATIONALE DE FRANCE, CARTES ET PLANS, GE DD 2987 (7325 r)

(7325 B).

original behind d'Anville's copy on oilpaper, composed by Régis, is also at the copperplate sheets of Korea had been used in rendering place names. The in 1720.⁵³⁷ The map includes a small legend of Manchu toponyms, indicating rean geography, even discussing the matter with a Korean embassy to the Qing ies of which he sent to Paris.⁵³⁶ Régis appears to have had a keen interest in Kodescriptions of Korea at the imperial palace in the second half of the 1720s, copplace names (figure 42).538 National Library of France. The two maps differ somewhat in the spelling of

sions, with each map made up of two or more sheets. A closer look reveals of Tartary as discussed above. However, the Tibetan maps match neither of edition copperplate sheets had served d'Anville in producing his regional maps maps of Tartary. Comparing these two Hami maps shows that d'Anville must of regional maps of Tibet includes a second map of the region around Hami Tibet and for compiling the General Map of Tibet. 538 Remarkably, d'Anville's set rapher's remuneration in exchange for also reworking the regional maps of Korea, d'Anville and du Halde signed a second contract increasing the cartogin three separate parts and, like the map of Korea, includes a legend and same type of Parisian oilpaper. It now resides in the National Library of France at c. 29°30′ N/24°30′ W (ν is- \dot{a} - ν is Beijing) rather than the c. 30°30′ N/25° W in substantial differences in detail, even from the revised copperplate atlas: areas have based his maps of Tibet on the revised copperplate atlas, whereas first differing in scope and content from the Hami map among d'Anville's regional for Korea.⁵⁴⁰ After this scroll map arrived in Paris, d'Anville copied it onto the the revised copperplate edition. Such discrepancies stem from the fact that left blank in the revised Qing atlas are not blank and the map places Lhasa the copperplate editions precisely in scope, but seem to be cut-and-paste ver-Régis had sent a reworked map of Tibet to Paris in 1726 just as he had done In 1729, before the completion of the adaptations of the maps of Tartary and

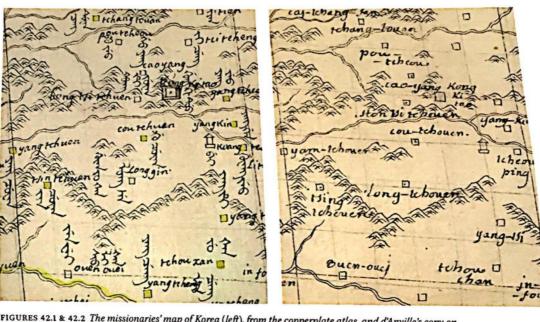
⁵³⁶ court with cartographic information from Europe (discussed in the third section of this In exchange for copying these maps, European missionaries provided the Yongzheng chapter).

⁵³⁷ Lim (2012). Note that they also exchanged surveying instruments

⁵³⁸ BNF, Cartes et plans, GE C-5323. The orthography of some of the Latin transcriptions differs. We can attribute this to the heated discussions on the orthography of East Asian place names at the time (discussed in the third section of this chapter)

The Tibetan maps also depict lands now part of western Sichuan and Xinjiang.

⁵³⁹ 540 APF, Brotier 148:47-47V; Cordier (1915), 516–517; Gaubil (1970), 187; d'Anville, (1776), 14–17.



FIGURES 42.1 & 42.2 The missionaries' map of Korea (left), from the copperplate atlas, and d'Anville's copy on oilpaper (right).

BIBLIOTHÈQUE NATIONALE DE FRANCE, CARTES ET PLANS, GE C-5323 AND GE DD 2987 (7325B).

explanatory notes.⁵⁴¹ Content-wise, we can attribute the discrepancies between Régis' map and the copperplate atlas to Régis and his fellow Beijing missionary Gaubil's involvement in atlas production at the Yongzheng court in the 1720s and thus their access to improved data on Tibet.⁵⁴²

In sum, close analysis of d'Anville's regional maps reveals he employed both the woodblock and the copperplate versions of the Qing atlas, in their different editions, as bases for his adaptations (figure 43). In a response written several years later, attempting to refute criticism voiced against his work, d'Anville explicitly confirmed that his regional maps were true to the originals sent from Beijing:

I am glad to announce, before anything else, that the regional maps of the provinces of China, of parts of Tartary, and even those of Tibet, all drawn to be included in the Description de la Chine by Reverend Father

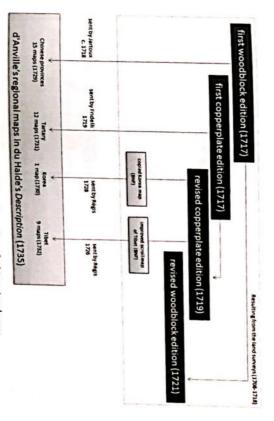


FIGURE 43 D'Anville's use of different-edition Qing atlases for his regional maps

⁵⁴¹ BNF, Cartes et plans, Ge DD 2987 (7348B) and Ge DD 2987 (7349B-50B). As described by d'Anville, this is a scroll map in three parts with routes across the region depicted in red. d'Anville (1776), 17. One part appears to be missing.

Gaubil later met with court officials, trained by Jartoux during the Kangd-era surveys, who had made new maps of Tibet. This meeting took place during the Yongzheng court's preparations to revise the Qing atlas. The court also solicited Régis and Gaubil to provide cartographic data in preparation for the Yongzheng revision. Gaubil (1970), 182–183.

CHAPTER 3

du Halde S.J., are moderate and servile (if I may use this epithet) reductions of maps that were sent from China. It was thought necessary to retain even the style of the original design, so that this large and beautiful work could be communicated or presented to the public with the greatest faithfulness [to the originals].⁵⁴³

Another indication and direct consequence of d'Anville's close adherence to maps from different editions of the Qing atlas is that none of his regional maps includes the southernmost tip of Shengjing (the Liaodong Peninsula), which all Qing editions cover in one map or another. Instead, the French cartographer opted for the geographic scope of the copperplate version map for the region of Shengjing (figure 40), while using his oilpaper copy for the map of Korea (figure 41). As the copperplate and the woodblock versions of the original atlas determined, respectively, the geographic scopes of these two maps, d'Anville lost the southernmost tip of Shengjing between sheets (figure 44). In

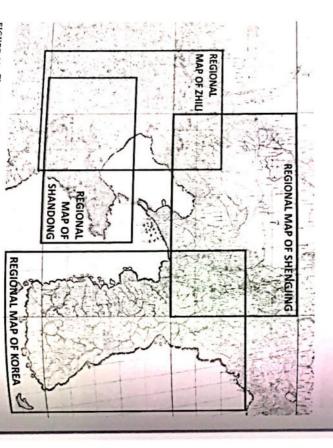


FIGURE 44 The coverage of some of d'Anville's regional maps. None of these includes the southermost tip of Shengjing (center).

543 "Je suis bien aisé qu'on soit prévenu avant toute chose que les Cartes particulières des provinces de la Chine, les parties de la Tartarie, celles du Tibet même, selon que le tout ^a

spite of this lacuna, d'Anville completed all the regional maps du Halde had commissioned by 1733.

3.3 Beijing, Paris and Saint Petersburg: Negotiating the Gaps

court of the Yongzheng emperor, administrative reform and Qing expansion and cartographic material. On the other end of the Eurasian continent, at the overland routes to Beijing to include among the Description's wealth of textual nection to Saint Petersburg, reaping new data on Siberia, Central Asia, and the volume Description and its maps. They needed carefully to exploit their condrawing of all regional maps du Halde had commissioned. Both men realized, and Tibet completed, in 1733 d'Anville finally finished the reduction and reexpansion of the Russian Empire into Siberia meant that Saint Petersburg also which would of course eventually travel back to Europe. Last but not least, the viding information, the missionaries received permission to copy information beyond Hami had created the need to revise the Kangxi-era atlas, and so the however, that they could do more to increase the public's interest in the four-With the thirty-seven regional maps of the Chinese provinces, Tartary, Korea, on each other in their shared interest in filling the gaps in maps of Central and desired more precise cartographic information of the lands along its southern nection to Saint Petersburg proved of utmost importance. In exchange for proregions beyond the scope of the Qing surveys. Here too, the missionaries' con-Northeast Asia. borderlands. In the 1720s, Beijing, Paris, and Saint Petersburg thus came to rely from route books, travel accounts, and maps kept at the Qing court, some of Yongzheng emperor asked the missionaries contribute their knowledge of

This section argues that d'Anville's general maps and the Yongzheng-era atlas were products of an intercontinental exchange of cartographic knowledge via an extended web of personal connections connecting individuals in Beijing, Paris, and Saint Petersburg, amidst which stood the French Jesuits. First,

été dessiné pour entrer dans la Description de la Chine donée par le R.P. Du Halde Jésuite, sont une réduction modérée et servile (si je puis employer cette épithete) des Cartes qui ont été envoyées de la Chine. On a cru devoir conserver le goût même du dessein original, pour que ce grand et bel ouvrage fut communiqué ou remis au Public avec plus de fidépour que ce grand et bel ouvrage fut communiqué ou remis au Public avec plus de fidélité." Archives départementales de l'Orne, SHAO 252J224. Images of the document published on 10 January 2012 on the projet d'Anville's website by Lucile Haguet (http://danville lished on 10 January 2012 on the projet d'Anville mentions having copied the regional maps of hypotheses.org/1271). Elsewhere, d'Anville mentions having copied the regional maps of Tartary and Tibet "without applying any changes." d'Anville (1776), 17.

East and West

CULTURE, DIPLOMACY AND INTERACTIONS

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