ILLUSTRATIONS

1. A TEXTUAL AND ARCHAEOLOGICAL HISTORY OF THE MURONG XIANBEI

Figure 1.1 The Five Commanderies in the Warring States Period
(Crespigny and Gardiner, “T’an-shih-huai,” 25)

Figure 1.2 Sources of the Liao River, including the Xilamulun River
(Wikimedia Commons, “Liao River”)
Figure 1.3 Provinces of China under the Eastern Jin dynasty, c. 300 CE
(Graff, *Medieval Chinese Warfare*, 36, Map 3)

Figure 1.4 The Former Yan state in 352-384 CE
(Herrmann, ed., *Historical Atlas of China*, 29)
Figure 1.5 The Later Yan state and Western Yan states in 384-397 CE
(Herrmann, ed., Historical Atlas of China, 29)

Figure 1.6 The Southern Yan and Northern Yan states in 397-420 CE
(Herrmann, ed., Historical Atlas of China, 29)
Figure 1.7 Distribution of Murong Xianbei remains in the Liaoxi Area
(Wan, "Xianbei Muzang," 227)
2. A CATALOGUE OF GOLD CAP ORNAMENTS FROM CHINA

Figure 2.1 Location of Wangzifenshan cemetery (Shang, “Wangzifenshan,” Fig. 1)

Figure 2.2 Distribution of tombs at the Wangzifenshan cemetery (Shang, “Wangzifenshan,” Fig. 2)

218
Figure 2.3 Plan of Tomb M9022 at Wangzifenshan
(Shang, “Wangzifenshan,” Fig. 16)

Figure 2.4 Buyao ornament from Tomb M8713 at Wangzifenshan
(Wang, ed., San Yan, 33, Fig. 5)
Figure 2.5 Deer plaque from Tomb M8713 at Wangzifenshan (Shang, “Wangzifenshan,” Fig. 35.1)

Figure 2.6 Objects in tomb 88M1 at Shi’ertai brick factory (Sun, Tian, and Zhang, “Shi’ertai 88M1,” Fig. 1)

Figure 2.7 Objects on top of the coffin and around the head and waist of tomb 88M1 at Shi’ertai brick factory (Sun, Tian, and Zhang, “Shi’ertai 88M1,” Fig. 2)
Figure 2.8 Buyao from Tomb 2 at Fangshen (Wang, ed., San Yan, 32, Fig. 4)

Figure 2.9 Buyao from Tomb 2 at Fangshen (Wang, ed., San Yan, 31, Fig. 3)
Figure 2.10 Vine-shaped ornament, Tomb 2 at Fangshen (Zhongguo banben tushuguan, Jinyin qi, 86, Pl. 105)

Figure 2.11 Openwork square plaque, Tomb 2 at Fangshen (photo by author)
Figure 2.12 Openwork square plaque, Tomb 2 at Fangshen (Wang, ed., *San Yan*, 36, Fig. 9)

Figure 2.13 Pectoral with inlaid jade, Tomb 2 at Fangshen (Wang, ed., *San Yan*, 38, Fig. 12)
Figure 2.14 Location of Lamadong cemetery (Wan, “Lamadong,” 209, Fig. 1)

Figure 2.15 Distribution of tombs at the Lamadong cemetery (Wan, “Lamadong,” 210, Fig. 2)
Figure 2.16 Buyao from Tomb 7 at Lamadong
(Wang, ed., San Yan, 33, Fig. 6)

Figure 2.17 Location of Tiancaogou tombs
(Wan, Wang, and Zhang, “Tiancaogou,” Fig. 1)
Figure 2.18 Plan and section of Tomb 1 at Tiancaogou
(Wan, Wang, and Zhang, “Tiancaogou,” Fig. 2)

Figure 2.19 Plan of Tomb 1 at Tiancaogou (Wan, Wang, and Zhang, “Tiancaogou,” Fig. 3)

226
Figure 2.20 Section of Tomb 2 at Tiancaogou
(Wan, Wang, and Zhang, “Tiancaogou,” Fig. 4)

Figure 2.21 Plan of Tomb 2 at Tiancaogou
(Wan, Wang, and Zhang, “Tiancaogou,” Fig. 5)
Figure 2.22 Buyao from Tomb 1 at Tiancaogou
(Wang, ed., San Yan, 29, Fig. 1)

Figure 2.23 Buyao from Tomb 2 at Tiancaogou
(Wang, ed., San Yan, 30, Fig. 2)
Figure 2.24 (Left:) Openwork square plaque from Tomb 1 at Tiancaogou (Wan, Wang, and Zhang, “Tiancaogou,” Fig. 11.1)

Figure 2.25 (Right:) Openwork square plaque from Tomb 1 at Tiancaogou (Wang, ed., San Yan, 37, Fig. 10)

Figure 2.26 Crescent-shaped plaque from Tomb 1 at Tiancaogou (Wang, ed., San Yan, 37, Fig. 11)
Figure 2.27 Location of the tomb of Feng Sufu (Li, “Feng Sufu mu,” Fig. 1)

Figure 2.28 Section and plan of the tomb of Feng Sufu (Li, “Feng Sufu mu,” Fig. 2)
Figure 2.29 Painted figure with a tall cap from the tomb of Feng Sufu (Li, “Feng Sufu mu,” Fig. 16)

Figure 2.30 Wooden coffin from the tomb of Feng Sufu (Li, “Feng Sufu mu,” Fig. 4)
Figure 2.31 Four seals from the tomb of Feng Sufu (Li, “Feng Sufu mu,” Pl. 3.2-5)

Figure 2.32 Cicada ornament and finial from the tomb of Feng Sufu (Wang, ed., San Yan, 34, Fig. 7)
Figure 2.33 Detail of the cicada ornament (Wang, ed., San Yan, 34, Fig. 7 detail)

Figure 2.34 (Left:) Cicada ornament from the tomb of Feng Sufu (Li, “Feng Sufu mu,” Fig. 47.3)

Figure 2.35 (Right:) Peaked square plaque from the tomb of Feng Sufu (Zhongguo banben tushuguan, Jinyin qi, 83, Pl. 100)
Figure 2.36 Repoussé plaque from the tomb of Feng Sufu (Watt, ed., China, 130, Cat. 37)

Figure 2.37 Rubbing of repoussé plaque (Li, “Feng Sufu mu,” Fig. 14)
Figure 2.38 Peaked square plaque from Shi’ertai 88M1  
(Sun, Tian, and Zhang, “Shi’ertai 88M1,” Fig. 30)

Figure 2.39 Bird finial from Maolitu  
(Zhang, Beijiang Cuoyuan, Fig. 51)
Figure 2.40 Bovine- and horse-headed ornaments from Xihezi (Watt, ed., China, 128, Cat. 33)

Figure 2.41 Detail of bovine- and horse-headed ornaments from Xihezi (Zhang, Beifang Cuoyuan, Fig. 68)
Figure 2.42 Plan and section of the tomb at Nanjing University (Jiang, Changjiang, 141, Fig. 1)
Figure 2.43 Distribution of grave goods in the tomb at Nanjing University
(Jiang, Changjiang, 143, Fig. 2)
Figure 2.44 Four ornaments from the tomb at Nanjing University (Jiang, Changjiang, Pl. 5)

Figure 2.45 Detail of ornament with a rider, tomb at Nanjing University (Jiang, Changjiang, Pl. 6)

Figure 2.46 Ornament with a rider from the tomb of Zhang Zhen in Suzhou (Watt, ed., China, Cat. 10)
Figure 2.47 (Left:) Map of the Xianheguan area (Jia, Wang, and Zhang, “Xianheguan,” Fig. 1)
Figure 2.48 (Right:) Map of the Xianheguan site (Jia, Wang, and Zhang, “Xianheguan,” Fig. 2)

Figure 2.49 Plan and section of Tomb 6 at Xianheguan
(Jia, Wang, and Zhang, “Xianheguan,” Fig. 3)
Figure 2.50 Distribution of grave goods in Tomb 6 at Xianheguan  
(Jia, Wang, and Zhang, “Xianheguan,” Fig. 9)

Figure 2.51 (Left:) Cicada ornament from Tomb 6 at Xianheguan  
(Jia, Wang, and Zhang, “Xianheguan,” Fig. 41)  

Figure 2.52 (Middle:) Ornament from Tomb 2 at Xianheguan  
(Jia, Wang, and Zhang, “Xianheguan,” 43, Fig. 109.12)  

Figure 2.53 (Right:) Ornament with “curled leaves” motif from Tomb 2 at Xianheguan  
(Jia, Wang, and Zhang, “Xianheguan,” 35, Fig. 114)
Figure 2.54 Pierced leaves or petals from Wen Jiao’s tomb at Guojiashan (Nanjing shi bowuguan, “Wen Jiao mu,” 23, Fig. 14)

Figure 2.55 Cicada ornaments from Linhe, Beijing (Cui Xue’an, ed., Jinyin qi, 51, Cat. 18)
Figure 2.56 Section and plan of Tomb 1 on Xiyanchi Street in Linyi (Feng, “Linyi,” 5, Fig. 2)
Figure 2.57 Distribution of grave goods in Tomb 2 on Xiyanchi Street in Linyi (Feng, “Linyi,” 29, Fig. 78)

Figure 2.58 Gold ornament from Tomb 2 in Linyi (Feng, “Linyi,” 33, Fig. 88)
Figure 2.59 Cicada ornament from west chamber of Tomb 1 in Linyi (Feng, “Linyi,” cover)

Figure 2.60 Distribution of grave goods in Tomb 2 on Xiyanchi Street in Linyi (Feng, “Linyi,” 29, Fig.78)
Figure 2.61 Gold ornament from Tomb 2 in Linyi (Feng, “Linyi,” 33, Fig. 88)

Figure 2.62 Gold leaves from Tomb 2 in Linyi (Feng, “Linyi,” 33, Fig. 87)
Figure 2.63 Map of Xindiantai near Dunhuang (Ma and Cun, “Dunhuang,” 1919, Fig. 1)

Figure 2.64 Tomb enclosures at Xindiantai, Dunhuang (Ma and Cun, “Dunhuang,” 1919, Fig. 2)
Figure 2.65 Cicada ornament from Tomb 60M1 at Xindiantai, Dunhuang (Ma and Cun, “Dunhuang,” 1919, Pl. 3)

Figure 2.66 Ornament from the tomb of the Ruru Princess (Tang, “Ruru Gongzhu mu,” Pl. 5.4)
Figure 2.67 (Left:) Pentagonal ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 119)

Figure 2.68 (Right:) Cicada ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 123)

Figure 2.69 (Left:) Cicada ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 141)

Figure 2.70 (Right:) Cicada ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 142)

249
Figure 2.71 (Left:) Cicada ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 143)

Figure 2.72 (Right:) Cicada ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 144)

Figure 2.73 (Left:) Cicada ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 145)

Figure 2.74 (Right:) Bird ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 146)
Figure 2.75 (Left:) Bird ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 147)

Figure 2.76 (Right:) Bird ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 148)

Figure 2.77 (Left:) Monster face ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 149)

Figure 2.78 (Right:) Monster face ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 151)

Figure 2.79 (Left:) Monster face ornament from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 150)

Figure 2.80 (Right:) Circular ornaments from the Muwentang Collection
(Sun and Kwan, Zhongguo gu dai jin shi, Cat. 152)
Figure 2.81 Circular ornaments from the Muwentang Collection
(Sun and Kwan, *Zhongguo gu dai jin shi*, Cat. 153)

Figure 2.82 Cicada ornament from the Kempe Collection
(Gyllensvård, *Chinese Gold & Silver*, 79, Figs. 20 a and b)

Figure 2.83 (Left:) Dragon and rider ornament from the Kempe Collection
(Gyllensvård, *Chinese Gold & Silver*, 76, Figs. 17b)

Figure 2.84 (Right:) Dragon and rider ornament from the Kempe Collection
(Gyllensvård, *Chinese Gold & Silver*, 79, Figs. 19b)

252
Figure 2.85 Monster ornament from the Kempe Collection
(Gyllensvärd, *Chinese Gold & Silver*, 79, Figs. 18b)
3. Buyao, Dang, and the Secondary Evidence

Figure 3.1 (Left:) Menxia zeicao, west wall of the front chamber, tomb of a high-ranking official, Wangdu county, Hebei, Eastern Han dynasty (Hebei sheng wenwu yanjiusuo, Hebei gudai muzang bihua, Pl. 31)

Figure 3.2 (Right:) “The Righteous Stepmother of Qi,” from the Lienü zhuan, Wu Family Shrines, Jiaxiang county, Shandong, Eastern Han dynasty (Wu, Wu Liang Shrine, 264-265, Fig. 126)

Figure 3.3 Offering scene, front of the west wall, painted tomb at Yuantaizi, near Shi’ertai yingzi, Chaoyang, Liaoning, Eastern Jin dynasty (Li, “Yuantaizi,” 40, Pl. 6.2 top)
Figure 3.4 Central register of the banner from Tomb 1 at Mawangdui, Changsha, Hunan, Western Han dynasty (Sun, “Mawangdui,” Pl. 7.2)

Figure 3.5 (Left:) “The Emperor Rebuffs a Fawning Beauty” (Scene 7), “Admonitions of the Court Instructress,” silk handscroll, copy of an original by Gu Kaizhi, Tang dynasty, British Museum (Wu, “Admonitions Scroll Revisited,” 78, Pl. 7)

Figure 3.6 (Right:) Introductory Scene (Scene 7), “Admonitions of the Court Instructress,” silk handscroll, copy of an original by Gu Kaizhi, Song dynasty, Palace Museum, Beijing (Yu, “Admonitions Scroll,” 44)
Figure 3.7 “Emperor Shun’s Two Wives, Ehuang and Nüying,” painted screen from the tomb of Sima Jinlong (d. 484), Datong, Shanxi, Northern Wei dynasty (McCausland, ed., Admonitions Scroll, 150, Pl. 16)

Figure 3.8 Ladies with Flowers in their Hair, ink and color on silk, Zhou Fang, Tang dynasty (Shen, Gudai fushi, 231)
Figure 3.9 Crown from the tomb of the consort of Emperor Wanli’s Dingling Mausoleum, Beijing, Ming dynasty (Wang, “Dingling (san),” 30)

Figure 3.10 Gold flower ornament, Hantanpo, Gansu, Han dynasty (Zhongguo Banben Tushuguan, Jinyin qi, 177, Pl. 212)
Figure 3.11 Chinese cinnamon (*cinnamomum cassia*) plant
(Rosengarten, *Book of Spices*, 194)

Figure 3.12 Headdress from the tomb of the Princess of Chen
at Qinglongshan, Naiman banner, Inner Mongolia, Liao dynasty (Shen, ed., *Gilded Splendor*, 152, Cat. 27)
Figure 3.13 Gold ornament from the tomb of Feng Sufu (photo by author)

Figure 3.14 Mianguan from the Dingling Mausoleum of Emperor Wanli, Beijing, Ming Dynasty (Wang, “Dingling (yi),” 17)
Figure 3.15 Wudi of Jin, from the “Thirteen Emperors Scroll,” silk handscroll, attributed to Yan Liben, Tang dynasty, Boston Museum of Fine Arts (31.643) (Wikimedia Commons, “Jin Wudi”)

Figure 3.16 (Left:) Line drawing of a cicada (Lutz, *Field Book of Insects*, 75, Pl. 16)
Figure 3.17 (Right:) Detail of the cicada split-pin clasp from a gold oak leaf crown in the British Museum (1908.414.1) (Ogden and Williams, *Greek Gold*, 107, Cat. 60)
Figure 3.18 Gold oak leaf crown, Dardanelles, Turkey, fourth century BCE, British Museum (1908.414.1) (Ogden and Williams, *Greek Gold*, 107, Cat. 60)

Figure 3.19 Detail of one of two cicadas on crown branches from an oak leaf crown in the British Museum (1908.414.1) (Ogden and Williams, *Greek Gold*, 107, Cat. 60)
Figure 3.20 Gold and emerald olive wreath from Asia Minor, East Greek, 350 – 300 BCE, Altes Museum, Berlin (30219,497) (Plazt-Horster, Altes Museum, 58-59, Cat. 35)
Figure 4.1 Gold crown from the Lucky Phoenix Tomb, Silla, Gyeongju National Museum
(Gyeongju National Museum, *Silla*, 27)
Figure 4.2 Gilt bronze crown from Gaya from Tomb 37 at Bisan-dong, Daegu, Hoam Art Museum (Daegu National Museum, Daegu, 65)

Figure 4.3 (Left:) Tomb chamber (PG 800) of Queen Puabi in the royal cemetery at Ur (Zettler, “King and Queen,” 34, Fig. 31)

Figure 4.4 (Right:) Gold headdress from the tomb of Queen Puabi at Ur (Pittman, “Jewelry,” 90, Cat. 29)
Figure 4.5 (Left:) Diadem with gold and lapis lazuli from the tomb of Queen Puabi
(Pittman, “Jewelry,” 93, Cat. 30)

Figure 4.6 (Right:) Detail of willow leaves from Queen Puabi’s headdress
(Pittman, “Jewelry,” 90, Cat. 29)

Figure 4.7 (Left:) Sissoo leaves from Queen Puabi’s headdress, L. 17 in
(Pittman, “Jewelry,” 99, Cat. 38)

Figure 4.8 (Right:) Gold and lapis lazuli necklace from Ur,
Musée du Louvre (AO 11509), L. 31 in
(Waugh, “The Louvre”)
Figure 4.9 Leaf-shaped ornaments from tombs at Mochlos, Crete
(Seager, Mochlos, Fig. 10)
Figure 4.10 (Left:) Line drawings of leaf-shaped ornaments from Mochlos tombs (Seager, *Mochlos*, Fig. 11)

Figure 4.11 (Right:) Crushed silver cup from Tomb 4/5/6 at Mochlos containing gold leaves (Davaras, “Early Minoan Jewellery, Pl. 17a)

Figure 4.12 Gold diadem with projecting “antennae” from Tomb 4/5/6 at Mochlos (Davaras, “Early Minoan Jewellery, Pl. 18a)
Figure 4.13 (Left:) Sophie Schliemann wearing a gold diadem from Troy
(Penn Museum, “Gold of Troy”)

Figure 4.14 (Right:) Pierced gold leaves on a chain from Treasure H-A at Troy, L. 1.25 in
(Anbrosio and Inzaghi, eds., Treasure of Troy, 127, Cat. 148)

Figure 4.15 (Left:) Arrow-shaped gold pendant leaf from Troy
(Anbrosio and Inzaghi, eds., Treasure of Troy, 192, Cat. 154)

Figure 4.16 (Right:) Gold pendant earring with leaves from Troy, L. 2 in, Penn Museum
(Bass, “Ur and Troy,” 38)
Figure 4.17 (Left:) Gold basket earrings with leaves from Troy, L. 2 in, Penn Museum (Bass, “Ur and Troy,” 32)

Figure 4.18 (Center:) Gold pendants from the Hwangnam Great Tomb in Gyeongju (Whitfield, ed., Treasures from Korea, 96, Cat. 90)

Figure 4.19 (Right:) Gold pendants from the Hwangnam Great Tomb in Gyeongju (Whitfield, ed., Treasures from Korea, 97, Cat. 91)

Figure 4.20 Tomb 5 at Arzhan 2 in Tuva, Siberia (Chugunov, Nagler, and Parzinger, “Arzhan 2,” 130, Fig. 17)
Figure 4.21 (Left:) Couple from Tomb 5 at Arzhan 2
(Chugunov, Nagler, and Parzinger, “Arzhan 2,” 142, Fig. 29)

Figure 4.22 (Right:) Headdress ornaments from Tomb 5 at Arzhan 2
(Aruz, Farkas, and Valtz Fino, Golden Deer, 130)

Figure 4.23 Positioning of the headdress ornaments from Tomb 5 at Arzhan 2
(Chugunov, Nagler, and Parzinger, “Arzhan 2,” 133, Fig. 21)
Figure 4.24 (Left:) Burial of the “Golden Man” at Issyk Kul
(Lebedynsky *Les Saces*, 94)

Figure 4.25 (Right:) Reconstruction of the costume of the “Golden Man” at Issyk Kul
(Antonini, Baipakov, and Popescu, eds., *L’Uomo D’Oro*, 175, Fig. 270)
Figure 4.26 (Left:) Reconstruction of the headdress of the “Golden Man” at Issyk Kul (Antonini, Baipakov, and Popescu, eds., L’Uomo D’Oro, 42)

Figure 4.27 (Right:) Gold and wood ornaments from the headdress of the “Golden Man” at Issyk Kul (Antonini, Baipakov, and Popescu, eds., L’Uomo D’Oro, 185, Cats. 322-325)

Figure 4.28 (Left:) Gold hairpins from the headdress of the “Golden Man” at Issyk Kul (Antonini, Baipakov, and Popescu, eds., L’Uomo D’Oro, 176, Cats. 271-272)

Figure 4.29 (Right:) Gold leaves from the Kargaly Valley in Almaty, Kazakhstan (Antonini, Baipakov, and Popescu, eds., L’Uomo D’Oro, 226, Cats. 476-482)
Figure 4.30 (Left:) Scythian gold hairpin from the collection of Jill Sackler 
(Pak, “Silla Metalwork,” 47, Fig. 5)

Figure 4.31 (Right:) Gold earring with inlaid stones from Tomb 2 at Pazyryk, Siberia 
(Rudenko, Frozen Tombs, Fig. 49, Pl 68B)

Figure 4.32 (Left:) Female figures with crowns in a felt wall hanging from Tomb 5 at Pazyryk 
(Rudenko, Frozen Tombs, Pl. 154)

Figure 4.33 (Right:) Seated figure with a crown in a saddlecloth from Tomb 5 at Pazyryk 
(photo by author)
Figure 4.34 (Left:) Woman’s felt and leather headdress from Tomb 2 at Pazyryk (Rudenko, *Frozen Tombs*, Pl. 65)

Figure 4.35 (Right:) Man’s felt, leather, and gold head covering from Tomb 3 at Pazyryk (Waugh, ““State Hermitage Museum””)

Figure 4.36 Felt, leather, and gold horse mask from Tomb 1 at Pazyryk (Waugh, ““State Hermitage Museum””)

274
Figure 4.37 Gold diadem and cap from Aluchaideng, Inner Mongolia (Zhang, Beifang caoyuan, Fig. 10)

Figure 4.38 Gold and turquoise cap from Aluchaideng, Inner Mongolia (Zhang, Beifang caoyuan, Fig. 11)
Figure 4.39 Gold and turquoise ear pendants from Aluchaideng, Inner Mongolia (Zhang, Beifang caoyuan, Fig. 11)
Figure 4.40 (Left:) Two pairs of gold and turquoise ear pendants from Tomb 30 at Xinzhuangtou in Hebei (Hebei sheng wenwu yanjiusuo, *Yan Xiadu*, Pl. 33.4)

Figure 4.41 (Right:) Gold and turquoise ear pendants from the Shangwang cemetery in Zibo, Shandong (Zibo shi bowuguan, *Linzi Shangwang mudi*, Pl. 1)

Figure 4.42 Gold and clamshell headdress from Tomb 4 at Xigoupan, Inner Mongolia (Zhang, *Beifang caoyuan*, Fig. 34)
Figure 4.43 Gold, jade and stone ear pendant from Tomb 4 at Xigoupan, Inner Mongolia (Zhang, Beifang caoyuan, Fig. 35)

Figure 4.44 (Left:) Example of a burial from Tillya Tepe, Afghanistan (Sarianidi, “Ancient Bactria’s Golden Hoard,” 212)

Figure 4.45 (Right:) Line drawing of Tomb 4 at Tillya Tepe, Afghanistan (Sarianidi, “Ancient Bactria’s Golden Hoard,” 217)
Figure 4.46 Gold and pearl tree ornament from Tomb 4 at Tillya Tepe, Afghanistan (Schlitz, “Catalogue,” 227, Cat. 121)
Figure 4.47 Gold crown from Tomb 6 at Tillya Tepe, Afghanistan (Schlitz, “Catalogue,” 285, Fig. 134)

Figure 4.48 (Left:) Detail of gold crown from Tomb 6 at Tillya Tepe, Afghanistan (Schlitz, “Catalogue,” 285, Fig. 134)

Figure 4.49 (Right:) Necklace with turquoise and garnet inlay from Tomb 5 at Tillya Tepe (Sariandi, Golden Hoard of Bactria, Cat. 5.3, Fig. 64)
Figure 4.50 Bracelet from Tomb 5 at Tillya Tepe (Schlitz, “Catalogue,” Cat. 127)

Figure 4.51 Gold crown with pearls and inlaid stones from the Khokhlach kurgan in Russia, Hermitage Museum (SK 367) (Abbaye de Daoulas, L’Or des Sarmates, 59, Cat. 86)
Figure 4.52 Kurgan 10 at the Kobiakovo cemetery, Russia
(Abbaye de Daoulas, L’Or des Sarmates, 62, Cat. 87)

Figure 4.53 Headdress in situ in Kurgan 10 at the Kobiakovo cemetery, Russia
(Abbaye de Daoulas, L’Or des Sarmates, 66, Fig. 93)
Figure 4.54 Reconstruction of the headdress from Kurgan 10 at the Kobiakovo cemetery, Russia
(Abbaye de Daoulas, L’Or des Sarmates, 62, Cat. 87)

Figure 4.55 Wasp or bee pendant from the Chrysolakkos cemetery in Mallia, Crete
(Aruz, Benzel, and Evans, eds., Beyond Babylon, 102, Fig. 32)
Figure 4.56 (Left:) Gold hairpins from the Chrysolakkos cemetery in Mallia (Demargne, “Bijoux Minoens,” 410, Fig. 4)

Figure 4.57 (Right:) Gold leaf from the Chrysolakkos cemetery in Mallia (Demargne, “Bijoux Minoens,” 407, Fig. 1)

Figure 4.58 Aegina Treasure, Aegina, Greece (Fitton, Aegina Treasure, 2)
Figure 4.59 Gold Master of Animals pendant from the Aegina Treasure
(Aruz, Benzel, and Evans, eds., Beyond Babylon, 104, Cat. 58)

Figure 4.60 Gold two-headed pectoral from the Aegina Treasure
(Aruz, Benzel, and Evans, eds., Beyond Babylon, 105, Cat. 60)
Figure 4.61 Gold and carnelian ear pendants from the Aegina Treasure (Aruz, Benzel, and Evans, eds., *Beyond Babylon*, 105, Cat. 59)

Figure 4.62 Gold and blue stone necklace with molded hexagon pendant from Elam, Iran, Royaux d’Art et d’Histoire (IR.1245), Bruxelles, Belgium (Gubel and Overlaet, eds., *De Gilgamesh à Zénobie*, 135, Cat. 185)
Figure 4.63 (Left:) Gold pendants with star designs from the acropolis of Ugarit (Ras Shamra), Syria, National Museum of Aleppo (Inv. no. M.8183) (Maxwell-Hyslop, *Western Asiatic Jewellery*, Pl. 109)

Figure 4.64 (Center:) Pendant with rayed star from the Uluburun shipwreck, Turkey, Bodrum Museum of Underwater Archaeology (KW 1672), Turkey (Aruz, Benzel, and Evans, eds., *Beyond Babylon*, Cat. 217a)

Figure 4.65 (Right:) Perforated disc with an eight-pointed star from Tell al-Rimah, Iraq (Maxwell-Hyslop, *Western Asiatic Jewellery*, 178, Pl. 130)

Figure 4.66 Gold necklace with the head of the Egyptian god Bes, Iran, L. 14 in, Metropolitan Museum of Art (65.169) (Rehm, *Der Schmuck der Achaemeniden*, Cat. E.42, Fig. 40)

Figure 4.67 Gold necklace with pendant lion heads and discs from Alkhagori, Georgia, Tblisi Museum (Rehm, *Der Schmuck der Achaemeniden*, Cat. E.70, Fig. 87)
Figure 4.68 (Left:) Gold headdress pendants from Kurgan 13, near Ordzhonikidze, Ukraine, H. 1.5 in, Institute of Archaeology of the National Academy of Sciences (Inv, no. KP-722/2-3) Ukraine (Reeder, Scythian Gold, 224, Cat. 103)

Figure 4.69 (Right:) Gold stag’s head ornament from the Maikop Treasure, Russia, Penn Museum (30-33-14.14) (Leskov, Maikop Treasure, 64, Cat. 82)

Figure 4.70 Necklace with bird and circular pendants, Vani, Georgia, L. 10 in, Georgian National Museum (1-2005/10) (Kacharava and Kvirvelia, eds., Wine, Worship, and Sacrifice, Pl. 39)

Figure 4.71 Necklace with stylized leaf pendants, Vani, Georgia, L. 10 in, Georgian National Museum (1-2005/11) (Kacharava and Kvirvelia, eds., Wine, Worship, and Sacrifice, Pl. 40a,b)
Figure 4.72 (Left:) Filigree Earring with Discs, gold and lapis lazuli, Pasargadae, Iran, fifth to fourth century BCE, H. 3 (Rehm, *Der Schmuck der Achaemeniden*, 408, Cat. F.100, Fig. 127)

Figure 4.73 (Right:) Gold pendants with stones from Xichagou in Liaoning (Zhongguo Banben Tushuguan, ed., *Jinyin qi*, 46, Pl. 58)

Figure 4.74 (Left:) Gold ornaments from Laoheshen in Yushu county, Jilin (Jilin shen wenwu kaogu yanjousuo, *Laoheshen*, Pl. 42.1-3)

Figure 4.75 (Right:) Gold ornaments with straight-edged leaves from Laoheshen (Jilin shen wenwu kaogu yanjousuo, *Laoheshen*, Pl. 40.1)

Figure 4.76 Gold and garnet pendant ornaments from Boma in Zhaosu county, Xinjiang (Zhongguo Banben Tushuguan, ed., *Jinyin qi*, 95, Pl. 114)
Figure 4.77 Chart showing the transmission of the rhyton vessel throughout Eurasia (Miho Museum, Ancient Orient Museum, and Okayama Orient Museum, eds., *Yūrashiya no fū Shinra he*, 66-67)

Figure 4.78 (Left:) Ceramic rhyton in a stand from the Inyong-sa temple site, Silla, Gyeongju National Museum (Whitfield, ed., *Treasures from Korea*, Cat. 48)

Figure 4.79 (Center:) Bronze cauldron from the tomb of Feng Sufu (Wang, ed., *San Yan*, 72, Cat. 75)

Figure 4.80 (Right:) Bronze cauldrons from Tomb II M364 at Lamadong (Wang, ed., *San Yan*, 73, Cat. 76)
Figure 4.81 Faliscan footed bowl from Tomb 19M at Narce, Italy, Penn Museum (Harrsch, “Etruscan footed bowl”)

Figure 4.82 Impression of a lapis lazuli cylinder seal depicting the Master of Animals from the Archaic Dynasties period, Iraq (?), Musée du Louvre (AO 22300) (Tallon, *Pierres Précieuses*, 97, Cat. 159)
Figure 4.83 (Left:) Gold Mistress of Animals pendant from Minet el-Beidha in Syria (Aruz, Benzel, and Evans, eds., Beyond Babylon, 348-9, Cat. 214)

Figure 4.84 (Right:) Gold Mistress of Animals plaque from Kul Oba in Crimea, Ukraine (Lebedynsky, Les Scythes, 181)

Figure 4.85 Gold Mistress of Animals ear pendants from Tomb 2 at Tillya Tepe (Schlitz, “Catalogue,” 289, Cat. 137)
Figure 4.86 Gold Mistress of Animals ear pendants from Tomb 6 at Tillya Tepe Tepe (Schlitz, “Catalogue,” 246, Cat. 61)

Figure 4.87 Northern Wei gilt bronze ornament with a figure flanked by dragons from Leizumiao in Guyuan, Ningxia (Juliano and Lerner, eds., Monks and Merchants, 82, Fig. 17)
Figure 4.88 Northern Wei gilt bronze ornament with a figure flanked by dragons from Hudong in Datong, Shanxi (Gao, “Hudong,” cover)

Figure 4.89 Gold plaque with four horses from the hoard found at Xiaobazitan in Ulanqab League, Inner Mongolia (Zhang, Beifang caoyuan, 79, Fig. 58)
Figure 4.90 Gold earrings from Tell el-‘Ajjul in Palestine
(Maxwell-Hyslop, *Western Asiatic Jewellery*, Figs. 78-81)

Figure 4.91 Gold earrings with pendants from Pasargadae
(Rehm, *Der Schmuck der Achaemeniden*, 409, Cat. F.101, Fig. 128)

Figure 4.92 Gold earrings with pendant leaves from Tiancaogou
(Wang, ed., *San Yan*, 44, Cat. 25)

295
Figure 4.93 Necklace from Kurgan 8 at Trialeti in Georgia
(Miron and Orthmann, eds., Goldenen Vlies, 91, Fig. 72)

Figure 4.94 Detail of necklace from Tomb 5 at Tillya Tepe
(Sariandi, Golden Hoard of Bactria, Cat. 5.3, Fig. 64)
5. THE “STEP-SWAY,” THE STEPPES WAY

Figure 5.1 Excavation of Tomb 6, Tillya Tepe, Afghanistan (Sarianidi, “Ancient Bactria’s Golden Hoard,” 216)

Figure 5.2 (Left:) Wall painting of a husband and wife, eastern side chamber of the painted tomb at Yuantaizi (Li, “Yuantaizi,” 41, Fig. 39)

Figure 5.3 (Right:) Figurine from the Murong tomb at Qianshan, near Jinzhou, Liaoning, H. 6 in (Wang, ed., San Yan, 118, Cat. 158)
Figure 5.4 Two guardian figures, double burial near Daxue Road in Huhhot, fifth century CE, Northern Wei, Inner Mongolia Museum (Kessler, *Beyond the Great Wall*, 83-83, Fig. 50a-b).

Figure 5.5 Cap of a standing figure from a troupe of musicians, double burial near Daxue Road in Huhhot (Kessler, *Beyond the Great Wall*, Fig. 51, p. 84-86).
Figure 5.6 Cap quilted with felt and edged in silk, Tomb 6, Noin Ula in Northern Mongolia, first century BCE to the first century CE, 14-inch-tall (Trever, *Northern Mongolia*, Figs. 23.3-4)

Figure 5.7 (Left:) Domed helmet from Lamadong Tomb IM17 (Wang, ed., *San Yan*, 93, Cat. 110, p. 93)

Figure 5.8 (Center:) Domed helmet from Lamadong Tomb (Wang, ed., *San Yan*, 93, Cat. 111)

Figure 5.9 (Right:) Domed helmet from Shi’ertai Tom 88M1 (Wang, ed., *San Yan*, 94, Cat. 112)
Figure 5.10 (Left:) Warrior in armor on horseback from Xinji village, near Guyuan, Ningxia, late fifth to early sixth century CE (Juliano and Lerner, *Monks and Merchants*, 90, Fig. 23.a-d)

Figure 5.11 (Right:) Soldier painted on a fragment of leather from Tomb 7 at Shaling, near Datong, Shanxi, 435 CE (Gao, Li, Zhang, Yuan, Jiang, and Liu, “Shaling,” 15, Fig. 27)

Figure 5.12 Warrior with helmet painted on a fragment of leather from Tomb 7 at Shaling, near Datong, Shanxi, 435 CE (Gao, Li, Zhang, Yuan, Jiang, and Liu, “Shaling,” 22, Fig. 47)
Figure 5.13 (Left:) Gilt bronze finial with one sheet gold leaf, found at the front end of the coffin of Tomb 2 at Tiancaogou, H. 11.5 in (Wan, Wang, and Zhang, “Tiancaogou,” Fig. 12.1)

Figure 5.14 (Center:) Gilt bronze ornament with leaves in the Chaoyang Museum, H. 10 in, exact origins unknown (Tian and Zhi, “Chaoyang faxian de San Yan wenhua,” Fig. 24, p. 28)

Figure 5.15 (Right:) Yunzhu horse ornaments (Miho Museum, Ancient Orient Museum, and Okayama Orient Museum, eds., Yūrashiya no fū Shinra he, 102)

Figure 5.16 (Left:) Incised plaque on a the headdress of a ceramic head from the foundations of the Yongningsi pagoda in Luoyang, c. 516 CE (Du, “Yongning sita ji,” Pl. 8.2)

Figure 5.17 (Right:) Wall painting of a door guardian with a peaked plaque in his cap from the tomb of Lou Rui, 570 CE (Taiyuan shi wenwu kaogu yanjiusuo, Lou Rui mu, 29, Pl. 14)
Figure 5.18 Gilt silver crown ornament from the Hwangnam Great Tomb, fifth century, Silla (Gyeongju National Museum, Silla, 59, Cat. 24)

Figure 5.19 Two-branched gold crown ornament from the Tomb of the Heavenly Horse, fifth to seventh century CE. Silla (Whitfield, Treasures from Korea, Fig. 76)

Figure 5.20 Silver helmet gold openwork plaque plaque from the Hwangnam tomb (National Museum, Silla, 53, Cat. 20)
Figure 5.21 Reconstruction of sixth century court of King Muryong of Paekche in the Paekche Historical Museum (photo by author)

Figure 5.22 Openwork gold plaque from the Tomb 126 at the Niizawa Senzuku near Nara, Japan, Kofun period (Kubo, “Kigiri Kanagu,” Fig. 1)

Figure 5.23 Gold saddle decorations, Tomb 3 at Pazyryk (Rudenko, Frozen Tombs, 157, Fig. 77)

Figure 5.24 Chariot with metal plaques, Tomb 3 at Majiayuan. Zhangjiachuan county, Gansu (Fang, Ma, Zhou, and Xie, “Majiayuan,” 11, Fig. 17)
Figure 5.25 (Left:) Gilt bronze saddle cantle covers from Tomb 2 M101 at Lamadong  
(Wang, ed., San Yan, Cat. 37, p. 50)

Figure 5.26 (Center:) Square silver openwork plaques on a quiver fastened to the side of a chariot  
from Tomb 1 at Majiayuan. Zhangjiachuan county, Gansu  
(Fang, Ma, Zhou, and Xie, “Majiayuan,” 24, Fig. 60)

Figure 5.27 (Right:) Gilt bronze keman from Horyūji, near Nara, Japan, seventh century CE  
(Kubo, “Kigiri Kanagu,” Fig. 4)

Figure 5.28 (Left:) Metal openwork plaques protecting the exposed ends of the cantilever arms  
supporting the roof eaves of the Seven Story Pagoda at Horyūji (photo by author)

Figure 5.29 (Right:) Two leather belts from Tomb 45 at the Zhoujiadi cemetery in  
Aohan banner, Inner Mongolia (Gu and Yang, “Zhoujiadi,” Pl. 6)
Figure 5.30 (Left:) Ornaments on smaller leather belt from Tomb 45 at the Zhoujiadi cemetery (Gu and Yang, "Zhoujiadi," 421, Fig. 9)

Figure 5.31 (Right:) Gold plaque from the belt worn by the "Golden man" at Issyk (Antonini, Baipakov, and Popescu, eds., *L’Uomo D’Oro*, 184, Fig. 307-319)

Figure 5.32 Belt of the man in Tomb 5 at Arzhan 2 (Chugunov, *Der Goldschatz von Arzan*, 35, Cat. 18)
Figure 5.33 Gilt bronze plaques from a *kua* belt, Jin dynasty (Bunker and White, *Adornment for Eternity*, 132, Cat. 50)

Figure 5.34 Gold and leather diexie belt, Tang dynasty (Zhang, *Beifang caoyuan*, 104-5, Fig. 73)
Figure 5.35 Chart of kua belts across East Asia (Sun, *Zhongguo gu yufu*, 270, Fig. 18.17)
Figure 5.36 (Left:) Single *kua* ornament from Tomb 43 in Ding county, Hebei, Han dynasty (Dingxian bowuguan, “Hebei Dingxian,” 10, Fig. 2.4)

Figure 5.37 (Right:) Gilt bronze *kua* belt from Lamadong (Wang, ed., *San Yan*, 70, Cat. 71)

Figure 5.38 Seated figure, painted tomb at Yuantaizi, mid- to late fourth century CE (Li, “Yuantaizi,” Pl. 6.1)
Figure 5.39 (Left:) Seated figure, tomb at Anping, Hebei, 176 CE (Hebei sheng wenwu yanjusuo, *Hebei gudai muzang bihua*, Pl. 19)

Figure 5.40 (Right:) Tomb of Dong Shou, Anak, North Korea, mid-fourth century CE (Kim, *Koguryo Tomb Murals*, 7)

Figure 5.41 (Left:) Seated figure in the tomb at Tokhungri, Kangso, North Korea, 408-9 CE (Kim, *Koguryo Tomb Murals*, 19)

Figure 5.42 (Right:) Sheet gold fragment from the tomb of Feng Sufu (Li, “Feng Sufu mu,” 22, Fig. 35)
Figure 5.43 (Left:) Curled down edges on Tiancaogou ornaments
(Zhongguo banben tushuguan, Jinyin qi, 79, Pl. 94)

Figure 5.44 (Center:) Close up of the solder bridges in the tree-shaped finial from Tomb 4 at
Tillya Tepe (Sarianidi, Golden Hoard of Bactria, 177, Cat.4.28)

Figure 5.45 (Right:) Flattened ends for riveting inside of the bowl of Feng Sufu’s finial
(photo by author)

Figure 5.46 Construction of Liaoning ornaments (drawing and photo by author)
Figure 5.47 (Left:) Construction of Wangzifenshan ornament (Wang, ed., San Yan, 33, Fig. 5 and drawing by author)

Figure 5.48 (Right:) Detail of hammered wire on ornament from Tomb 2 at Tiancaogou (Zhongguo banben tushuguan, Jinyin qi, 79. Pl. 94)

Figure 5.49 (Left:) Tertiary color chart for alloys of gold, silver, and copper (Wikimedia Commons, “Colored gold”)

Figure 5.50 (Right:) Strip-twisted and strip-drawn wire (Ogden, Ancient Jewellery, 46, Fig. 30)
Figure 5.51 (Left:) Cross section of a block twisted wire cross-section
(Ogden, *Jewellery of the Ancient World*, 50, Fig. 4.32)

Figure 5.52 (Right:) Spiral seams on a block twisted wire from a Roman earring
(Ogden, *Jewellery of the Ancient World*, 49, Fig. 4.28)

Figure 5.53 Longitudinal seam on a strip-drawn wire Spiral seams on a block twisted wire from a Roman earring (Ogden, *Jewellery of the Ancient World*, 49, Fig. 4.29)

Figure 5.54 (Left:) Close up of wires from Paekche Royal tombs at Neungsan-ri, Buyeo, Buyeo National Museum (photo by author)

Figure 5.55 (Right:) Cross section of strip twisted wires
(Ogden, *Jewellery of the Ancient World*, 50, Figs. 4.30 and 4.31)
Figure 5.56 (Left:) Unused pile of gold thread from Tomb 4 at Vani, Georgia (Kacharava and Kvirvelia, eds., *Wine, Worship, and Sacrifice*, 201, Pl. 52a)

Figure 5.57 (Right:) Unused pile of gold thread from Tomb 4 at Tillya Tepe, Afghanistan (Sarianidi, *Golden Hoard of Bactria*, 230, Fig. 1.32)

Figure 5.58 (Left:) Unused pile of gold thread from Tomb 4 from Paekche Royal tombs at Neungsan-ri, Buyeo, South Korea, Buyeo National Museum (photo by author)

Figure 5.59 (Right:) Detail of gold wire on the back of a square plaque from Fangshen Tomb 2 (Wang, ed., *San Yan*, 36, Fig. 9)

Figure 5.60 (Left:) Gold and turquoise pendant earring suspended from a hoop, Issyk, Kazakhstan (Antonini, Baipakov, and Popescu, eds., *L’Uomo D’Oro*, Fig. 276)

Figure 5.61 (Right:) Gold and carbon earring suspended from a hoop, Gongliu, Yili Valley, Xinjiang (Xinjiang Weiwu’er Zizhiqu duiwai wenhua jiaoliu xiehui and Xinjiang Xinboyi gongyipin shangdian, *Sichou zhilu*, 251, Fig. 13)
Figure 5.62 Gold-wrapped bronze plaque with three stags, Northeast China, first to third century CE, ex-collection of Joseph G. Gerena Fine Art (Bunker, *Nomadic Art*, 169, Fig. 154)

Figure 5.63 Cast gold plaque with three stags, Jintan village, Ulanqab league, Inner Mongolia, Eastern Han (Zhang, *Beifang caoyuan*, 72, Fig. 47)

Figure 5.64 (Left:) Gold ram ornament from Tomb 4 at Tillya Tepe (Sarianidi, *Golden Hoard of Bactria*, 174, Cat. 115)

Figure 5.65 (Right:) Gold sheet coinage from in Xuyi in Jiangsu, Han dynasty (Deydier and Han, *Ancient Chinese Gold*, 82, Fig. 167)
Figure 5.66 Gold plaque with three stags from Lamadong Tomb IIM192
(Wang, ed., San Yan, Fig. 15 front, p. 40)

Figure 5.67 (Left:) Ceramic molds from Yuantaizi, Han dynasty
(Sun and Yu, “Yuantaizi taofan,” Pl. 3)

Figure 5.68 (Right:) Ceramic molds from Yuantaizi, Han dynasty
(Sun and Yu, “Yuantaizi taofan,” Figs. 4 and 5)

Figure 5.69 (Left:) Gold ornament from Linyi with line drawing of possible underlying wire
ornament (Feng, “Linyi,” 33, Fig. 88, and drawing by author)

Figure 5.70 (Right:) Ring-shaped six-grained gold ornament from the tomb of Queen Pu’abi at Ur
(Ogden, Jewellery of the Ancient World, Fig. 4.55)
Figure 5.71 Map showing the dispersal of granulation technology
From the Near East to the Aegean and the Caucasus
(Wolters, Granulation, Fig. 16)

Figure 5.72 (Left:) Gold hoop with inlaid turquoise, Chaiwangang, Yongchang county, Gansu, Shajing Culture (c. 1000-500 BCE) (photo by author)

Figure 5.73 (Right:) Map showing the dispersion of granulation technology across Central, South, and East Asia (Wolters, Granulation, Fig. 41)
Figure 5.74 Pyramids of granules from Tillya Tepe (Schlitz, “Catalogue,” 43, Cat. 236)

Figure 5.75 Detail of the granulation on a pair of earrings from Silla (Gyeongju national Museum, Silla, 71, Cat. 90)

Figure 5.76 Detail of the cicada dang from Linhe, Beijing (Cui Xue’an, ed., Jinyin qi, 51, Cat. 18)
5.77 Pin with filigree rosettes and spirals from Troy, H. 2.3 in (Anbrosio and Inzaghi, eds., *Treasure of Troy*, 184, Cat. 240)

Figure 5.77 Modern use of a mouth blowpipe as a torch (Untracht, *Jewelry Concepts and Technology*, 349, Fig. 9.36)
Figure 5.78 Pendant earring suspended from a hoop from Lamadong
(Wang, ed., *San Yan*, 42, Fig. 22)

Figure 5.79 Gold bells from Tomb 2 at Fangshen (Wang, ed., *San Yan*, 44, Fig. 26)
Figure 5.80 Gold inlaid ring from Tomb 2 at Fangshen (Wang, ed., *San Yan*, 44, Fig. 28)