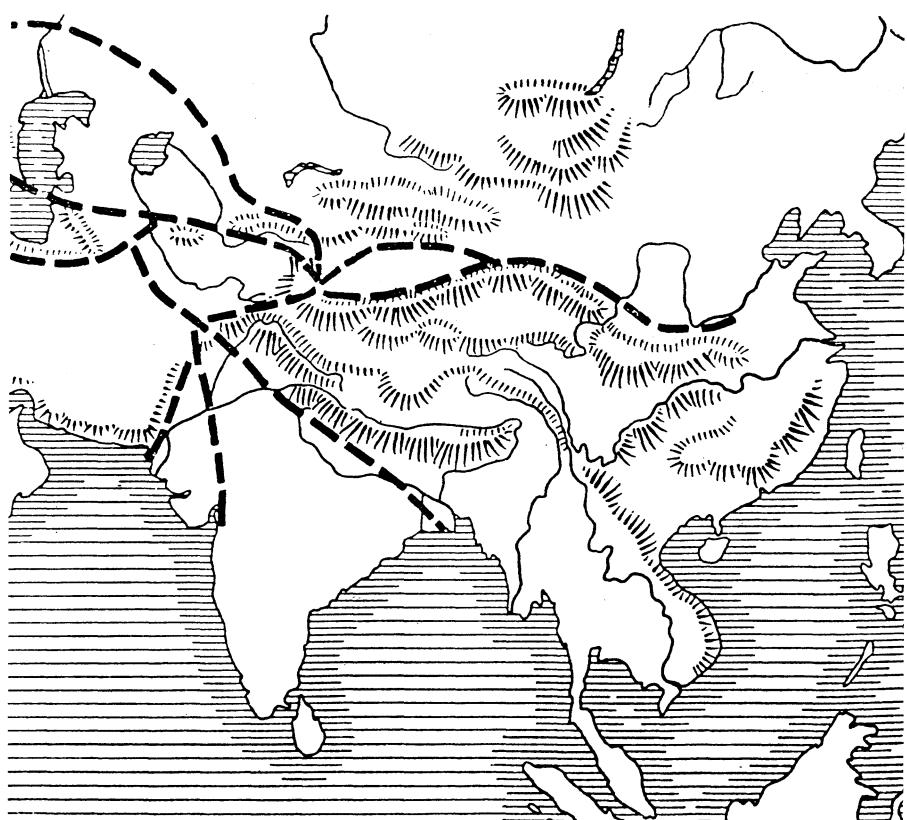
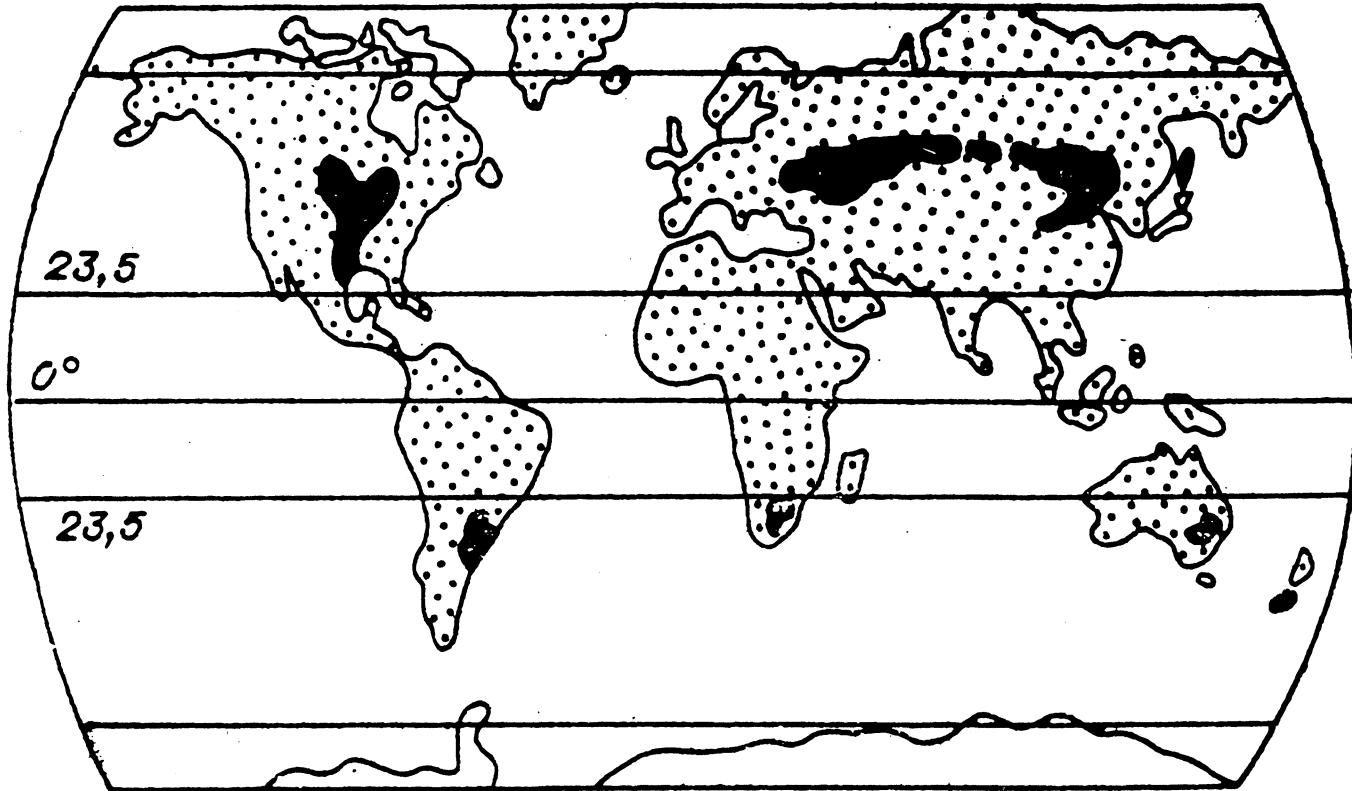


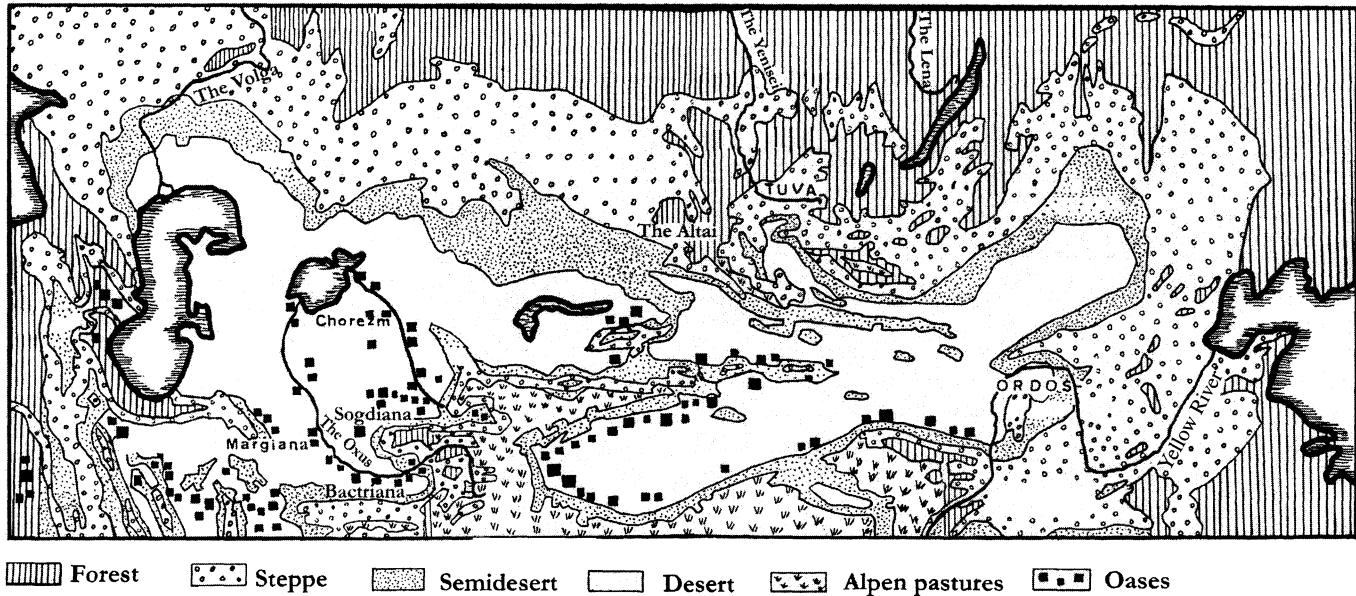
Maps and Illustrations



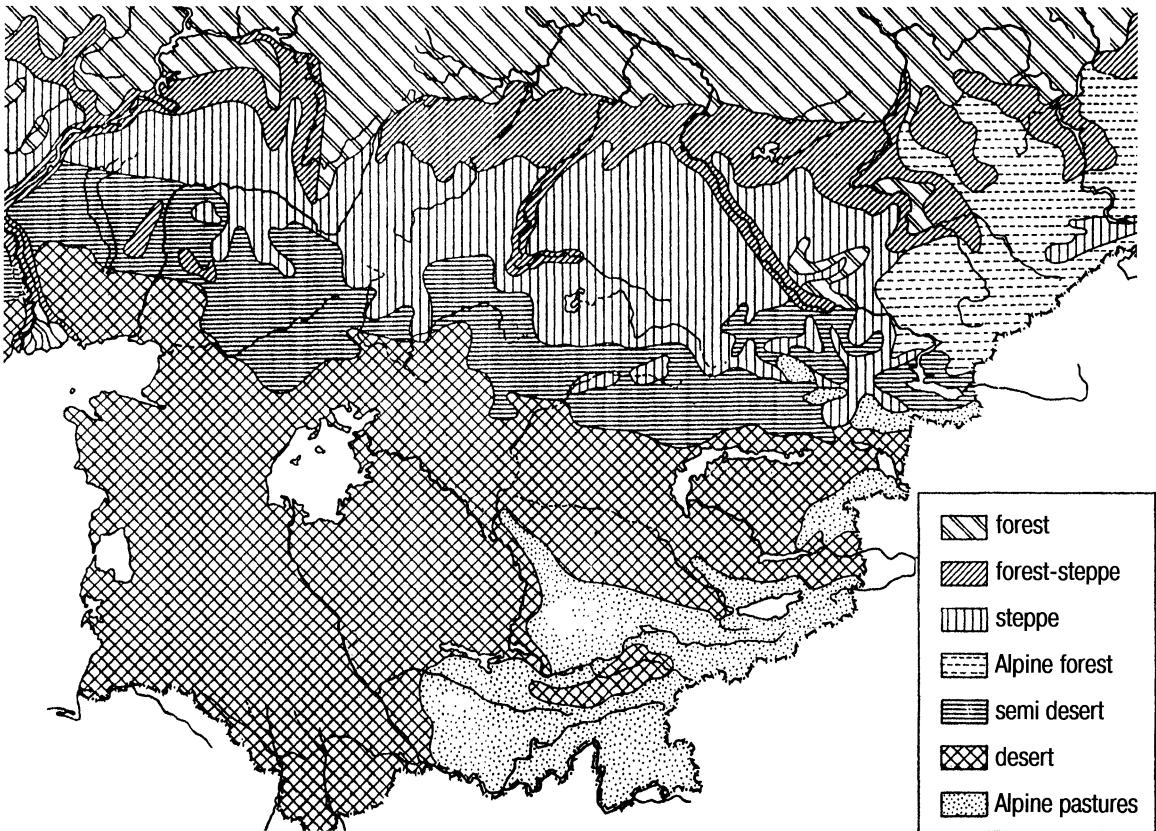
Map 1. The Great Silk Road (after Petrov 1955, fig. 12)

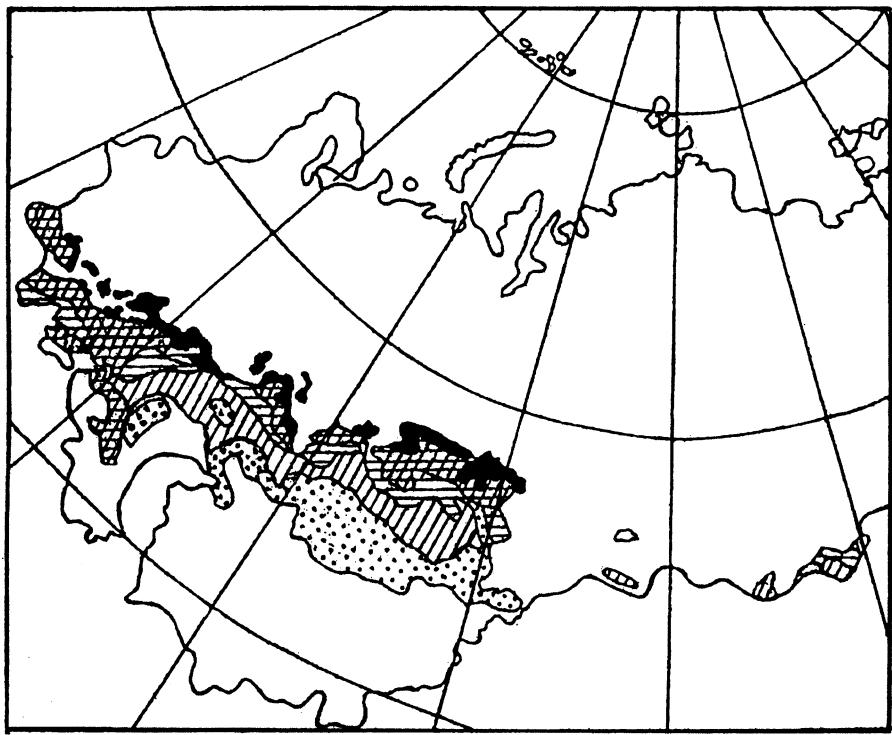


Map 2. Steppes of the Globe (after Mordkovich 1982, fig. 1)



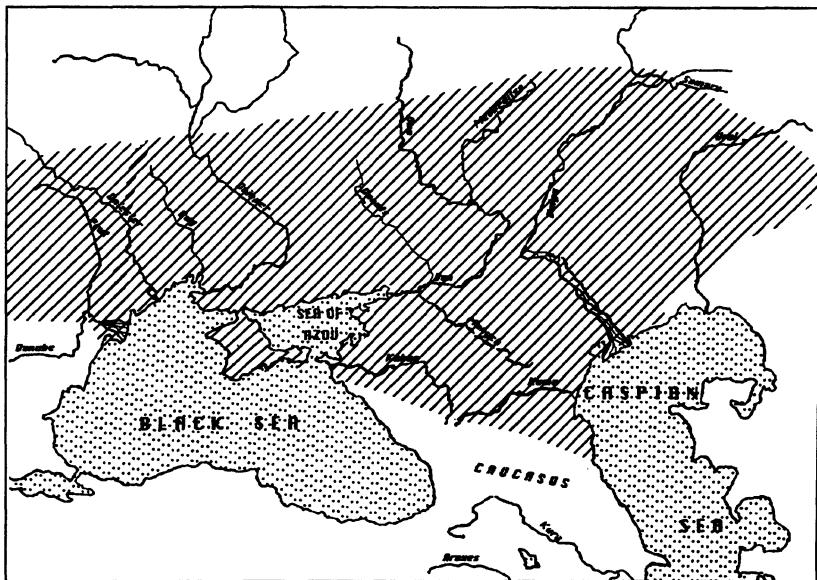
Map 3. Ecological zones of Asia (after Jettmar 1970, plate 4)



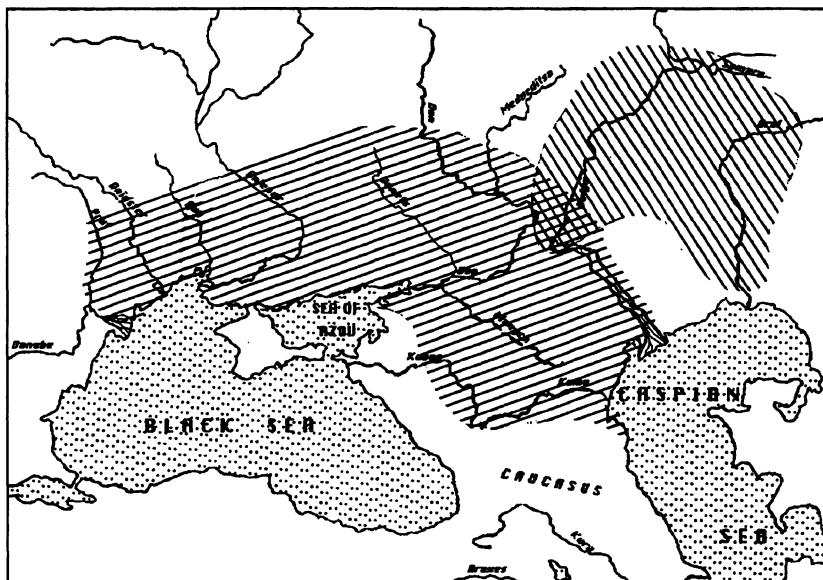


[horizontal stripes]	south black earth (chernozem)
[diagonal stripes]	ordinary chernozem
[vertical stripes]	typical chernozem
[dots]	light chestnut soil
[cross-hatch]	chestnut (liver-colored) soil

Map 5. Soils of Eurasian steppes (after Mordkovich 1982, fig. 2)



Map 6. Area of the Pit-Grave Culture (after Jones-Bley 1999, fig. 2)

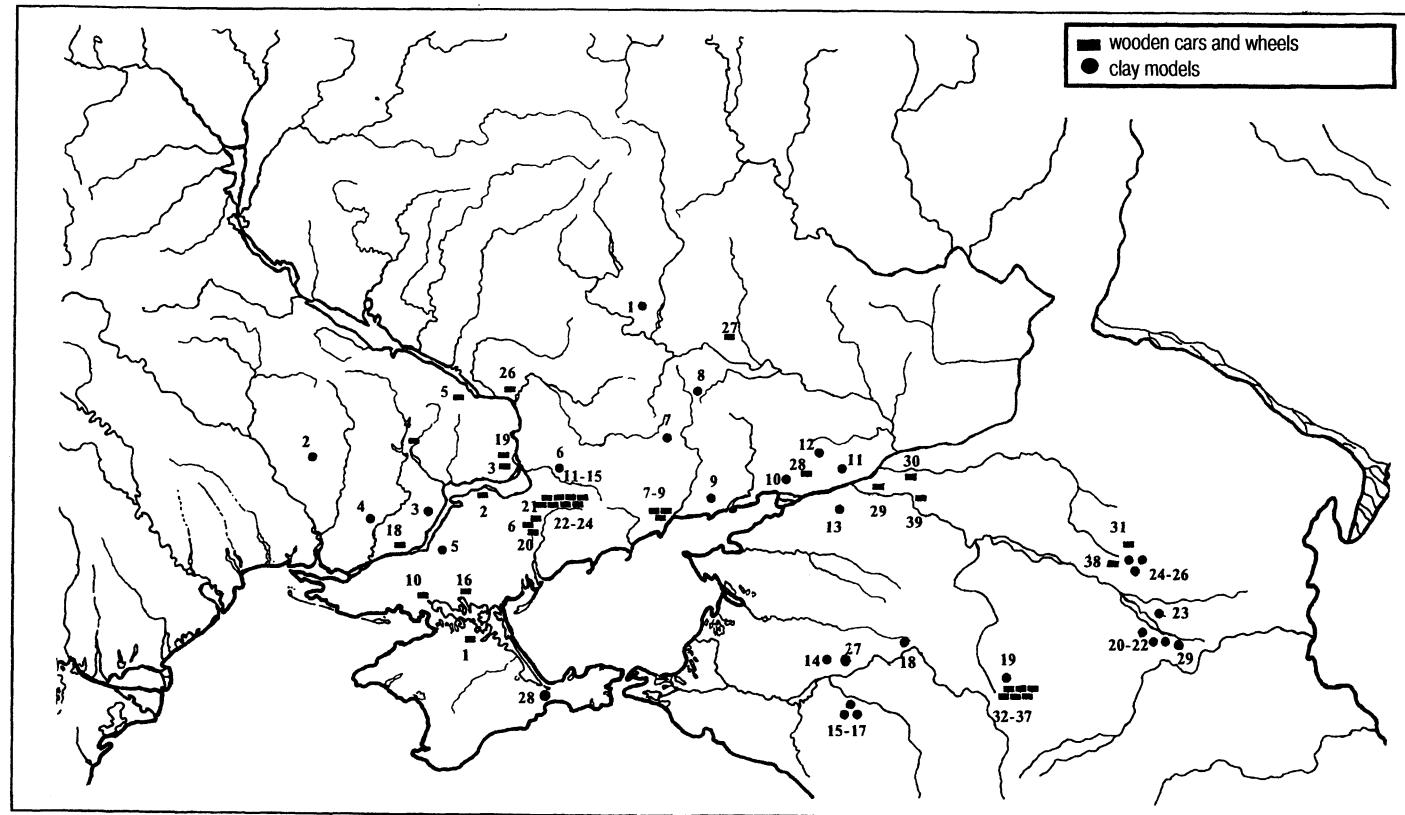


Catacomb Culture Poltavka Culture Area of overlap

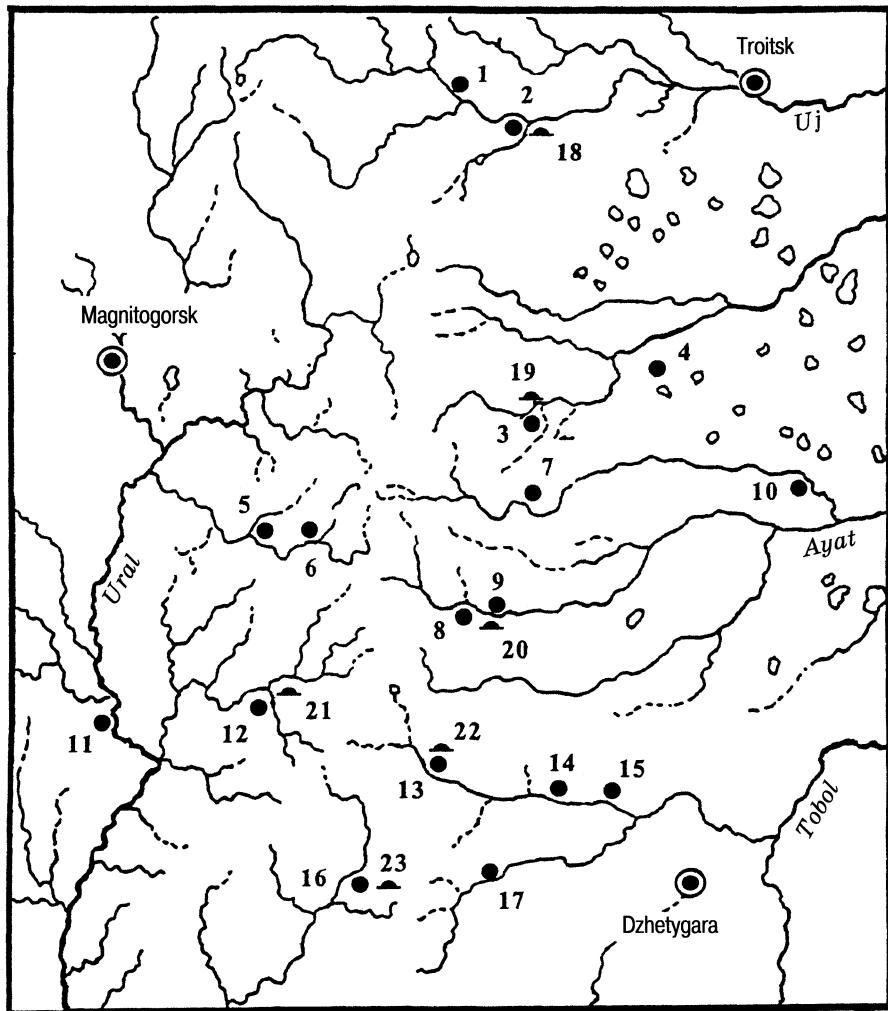
Map 7. Area of Catacomb and Poltavka cultures (after Jones-Bley 1999, fig. 3)



Map 8. Wooden cars with solid wheels, Pit-Grave Culture (after Kul'baka and Kachur 2000, fig. 5)



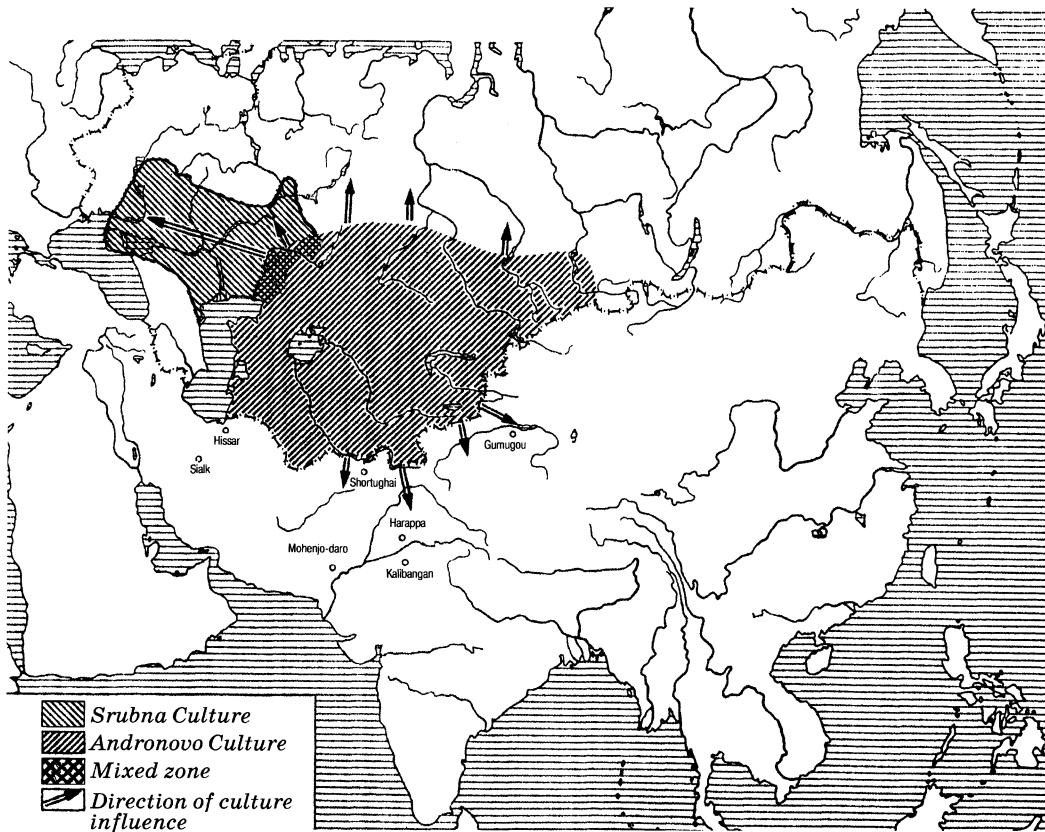
Map 9. Wooden cars and wheels and clay models of cars, Catacomb Culture (after Kul'baka and Kachur 2000, fig. 6)



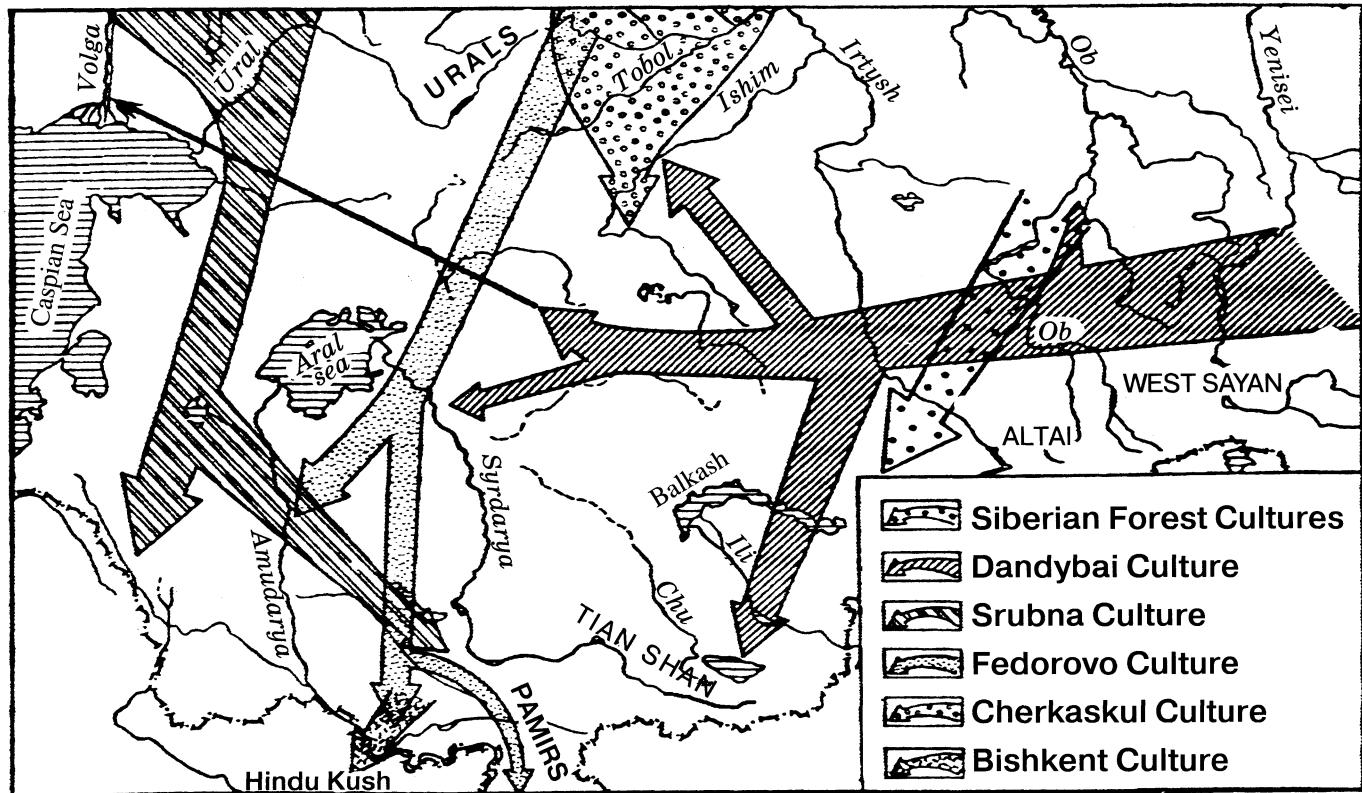
Map 10. Sintashta-type monuments, the Urals (after Epimakhov 2003, fig. 1).

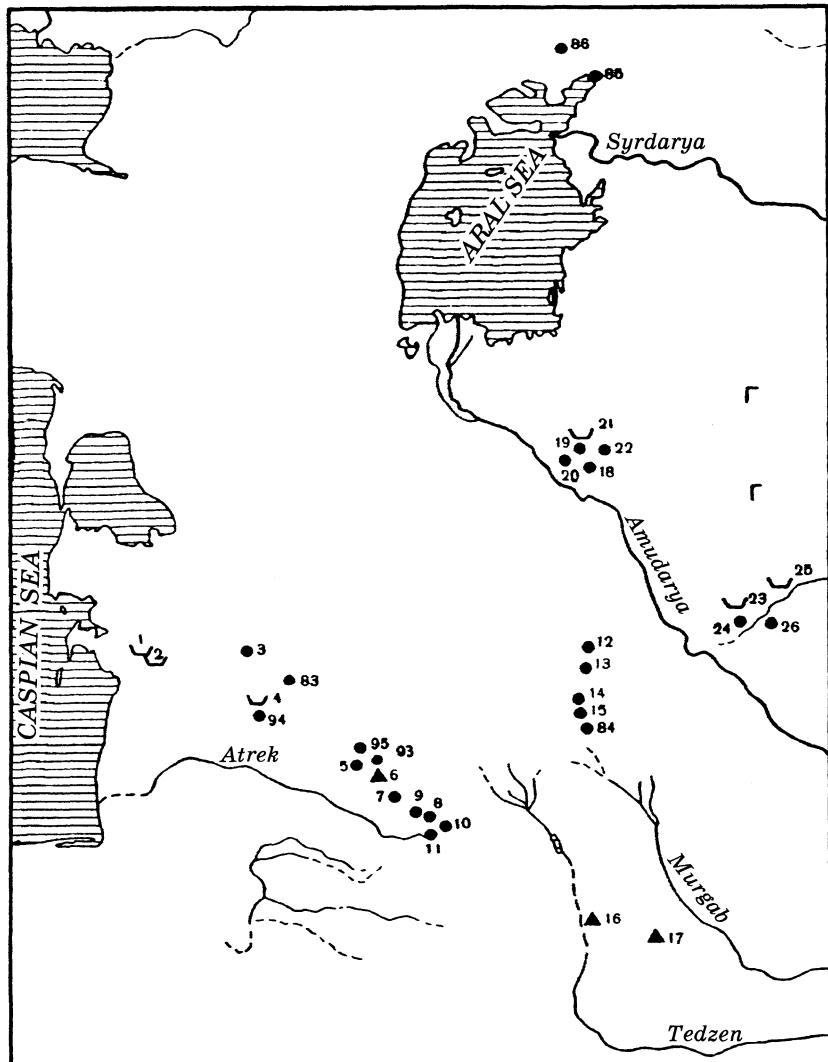
Settlements: 1—Stepnoe; 2—Chernorechie III; 3—Ustie; 4—Chekatai; 5—Kuisak; 6—Sarym-Sakly; 7—Rodniki; 8—Zhurumbai; 9—Ol'gino; 10—Isenei; 11—Kizil'skoe; 12—Arkaim; 13—Sintashta; 14—Andreevo; 15—Selentash; 16—Alandskoe; 17—Yagodnyi Dol

Cemeteries: 18—Krivoe Ozero; 19—Solntse II; 20—Kamennyi Ambar V; 21—Bolshekaraganskii; 22—Sintashta; 23—Solonchanka Ia



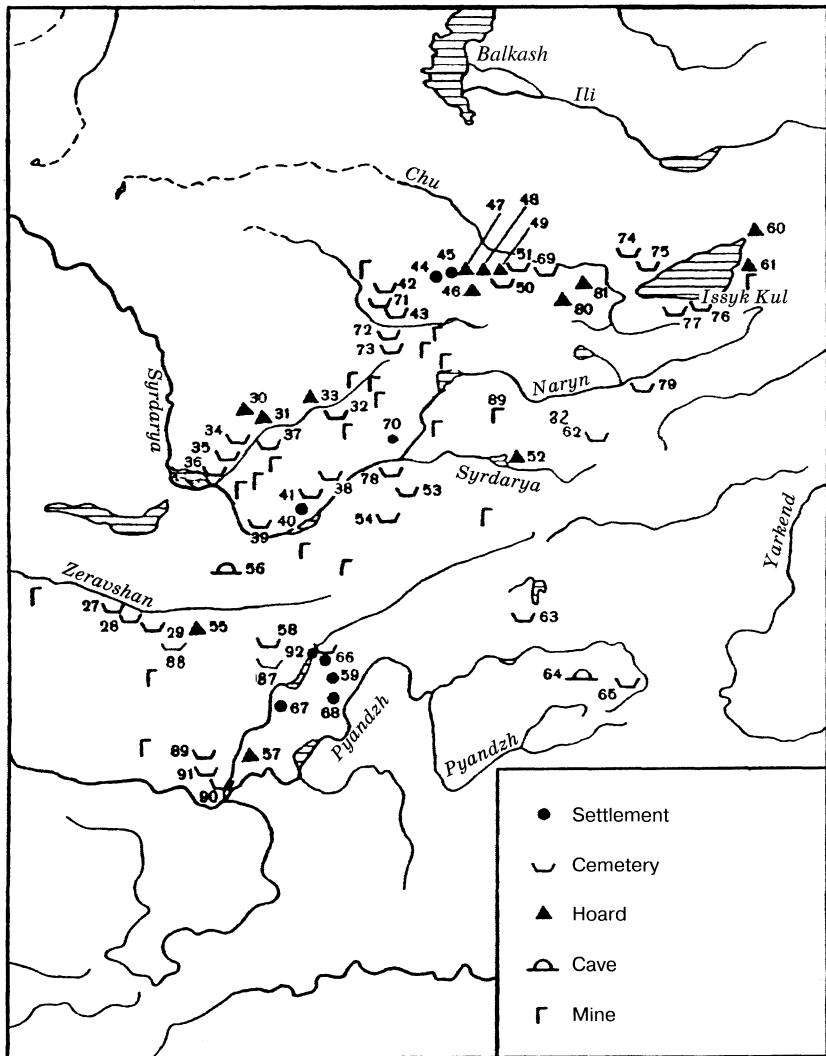
Map 11. The place of Andronovo and Srubna cultures in the Old World





Map 13. The main sites of pastoral groups in Central Asia

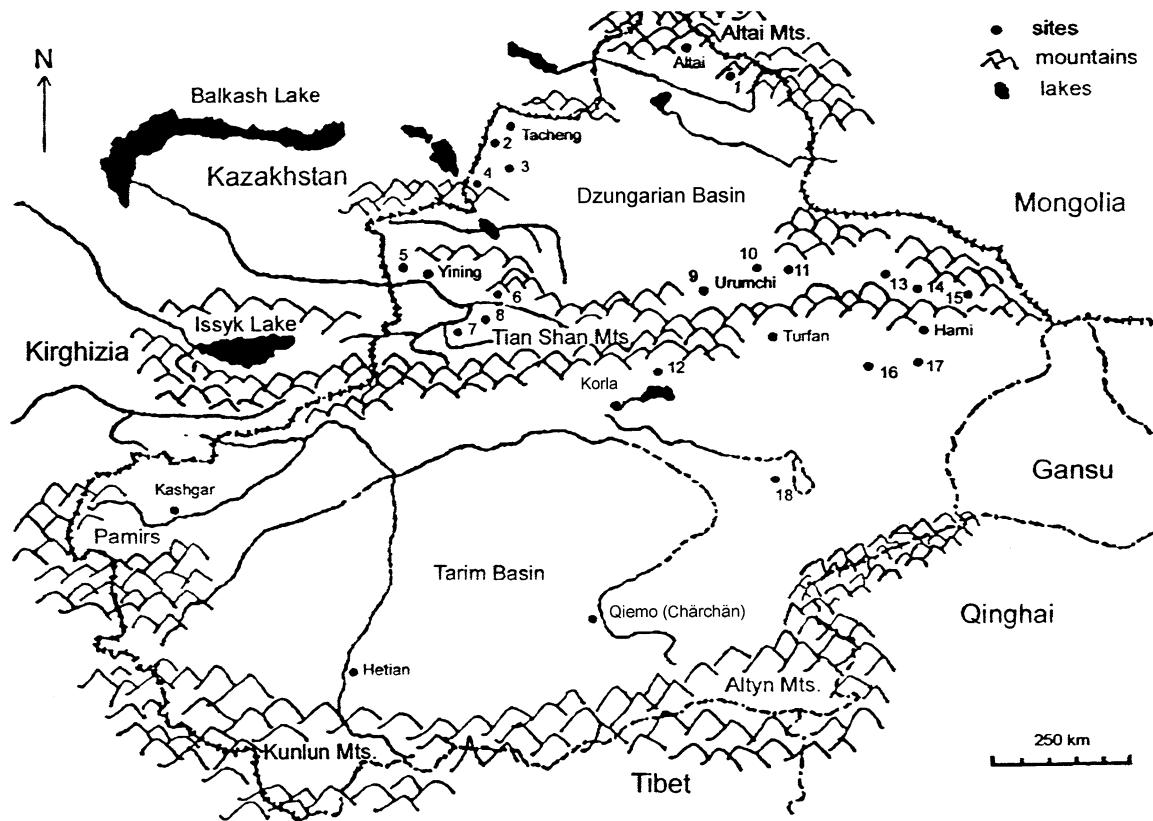
- 1—Karalemata-sai; 2—Patma-sai; 3—Bala-Ishim; 4—Parau; 5—Ovadan; 6—Ash-khabad; 7—Anau; 8—Namazga; 9—El'ken; 10—Sermancha; 11—Tekkem; 12—Taip; 13—Gonor; 14—Auchin; 15—Takhirbai 2,3; 16—Kuin-Kuyu; 17—Imam-Baba; 18—Angka; 19—Kavat 2; 20—Kavat 3; 21—Kokcha 3; 22—Kokcha 1; 23—Gurdush; 24—Gudzhaili 1-9, Bol'shoi i Malyi Tuzkan, Tri Kruga; 25—Kyzyl-Kyr; 26—Pajkent 1-10; 27—Muminabad; 28—Chakka; 29—Urgut; 30—Iskander; 31—Chimbailyk; 32—Aurakhmat; 33—Brichmulla; 34—Nikiforovskii; 35—Yangi-Yul'; 36—Vrevskaya; 37—Orehovskoe; 38—Dashti-Asht; 39—Khodzhi-Yagona; 40—Kairak-Kumy; 41—Dakhana; 42—Tash-Tyube; 43—Tash-Bashat; 44—Kainda; 45—Dzhail'ma; 46—Sadovoe; 47—Aleksandrovskoe; 48—Sukuluk I, II; 49—



Novopavlovka; 50—Tegermensai; 51—Prigorodnoe grave; 52—Uzgen; 53—Karamkul'; 54—Vuadil'; 55—Iskanderkul'; 56—Ak-Tangi; 57—Dzhilikul'; 58—Tandyriul'; 59—Kangurt-Tut; 60—Issyk-Kul' (Tyup); 61—Karakol I-II; 62—Arpa; 63—Kokuibel'su; 64—Kurteke; 65—Kzyll-Rabat; 66—Teguzak; 67—Sovkhoz Kirova; 68—Karim-Berdy; 69—Alamedinskoe; 70—Dzhal-Aryk; 71—Kulan-sai; 72—Kzyll-sai; 73—Besh-Tash; 74—Novorossiiskii; 75—Chon-Kemin; 76—Kekelik-sai; 77—Ton I; 78—Dzhazy-Kechu; 79—Chyrgail; 80—Tuyuk; 81—Shamshi; 82—Saimaly-Tash; 83—Kzyll-Arvat; 84—Yaz-depe; 85—Aral'sk; 86—Saksaul'skaya; 87—Kumsai; 88—Dashti-Kozi; 89—Beshkent II; 90—Tigrovaya Balka; 91—Tulkhar; 92—Nurek; 93—Dzheitun; 94—Parau; 95—Bezmein; 96—Dashly 3; 97—Togolok 15; 98—Dzharkutan



Map 14. Migrations of Indo-Iranian groups in the Near East, Central and South Asia (after Ligabue and Salvatori 1998, fig. 1)



Map 15. Monuments of Xinjiang (after Mei, Shell 1999, fig. 1)

1-Keremchi; 2-Chöchäk [Tacheng]; 3-Toli; 4-Saz; 5-Yining; 6-Nilqa; 7-Agharsin; 8-Künäs [Xinyan]; 9-Ürümchi; 10-Jimsar; 11-Guchung [Qitai]; 12-Yengidalta [Xintala]; 13-Kök-turaq [Lanzhouwanzi]; 14-Küysü; 15-Qaraüzhmä [Ka'ersang]; 16-Qizilchoqa, Qaradöwä [Wupu]; 17-Qumul [Hami]; 18-Qäwirighul [Gumugou]

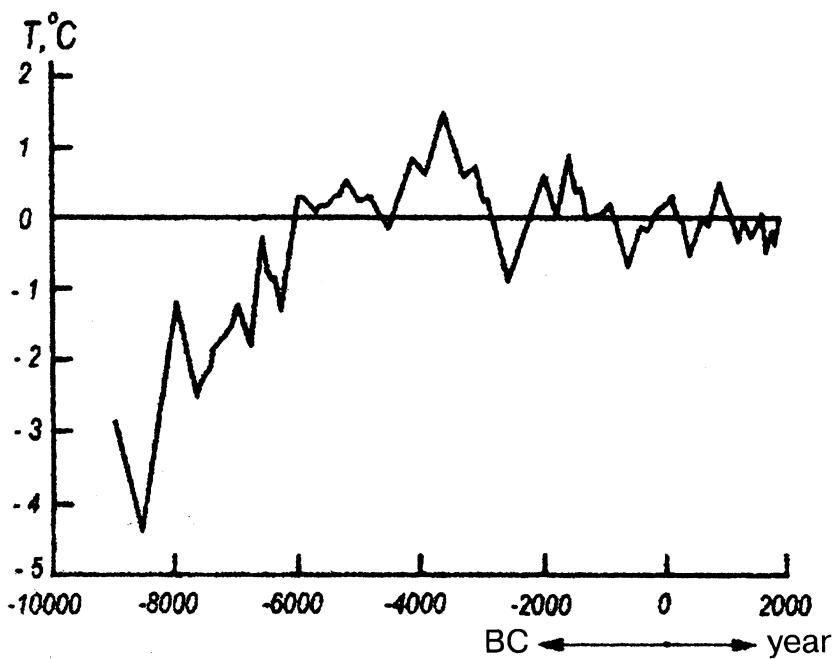


Figure 1. Temperature changes in the northern hemisphere (after Klimenko et al. 1996, fig. 2)

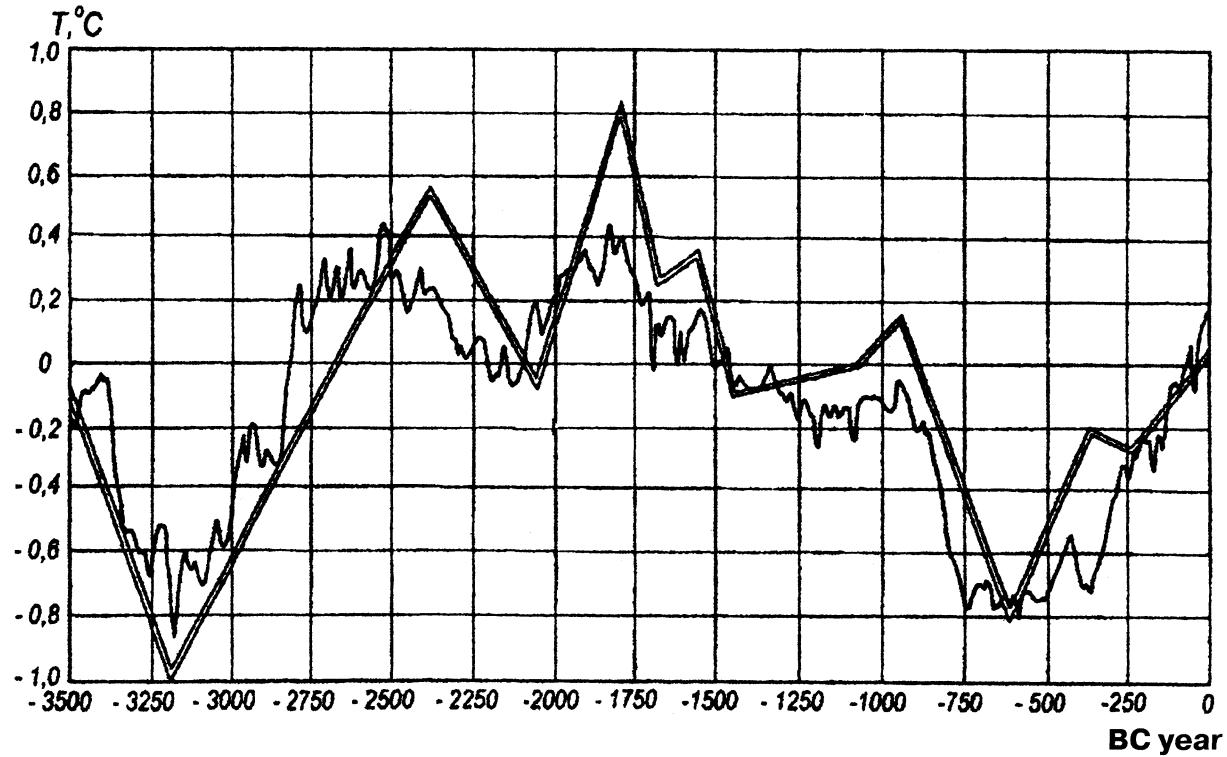


Figure 2. Reconstruction of temperature changes in the northern hemisphere (after Klimenko et al. 1998, fig. 1)

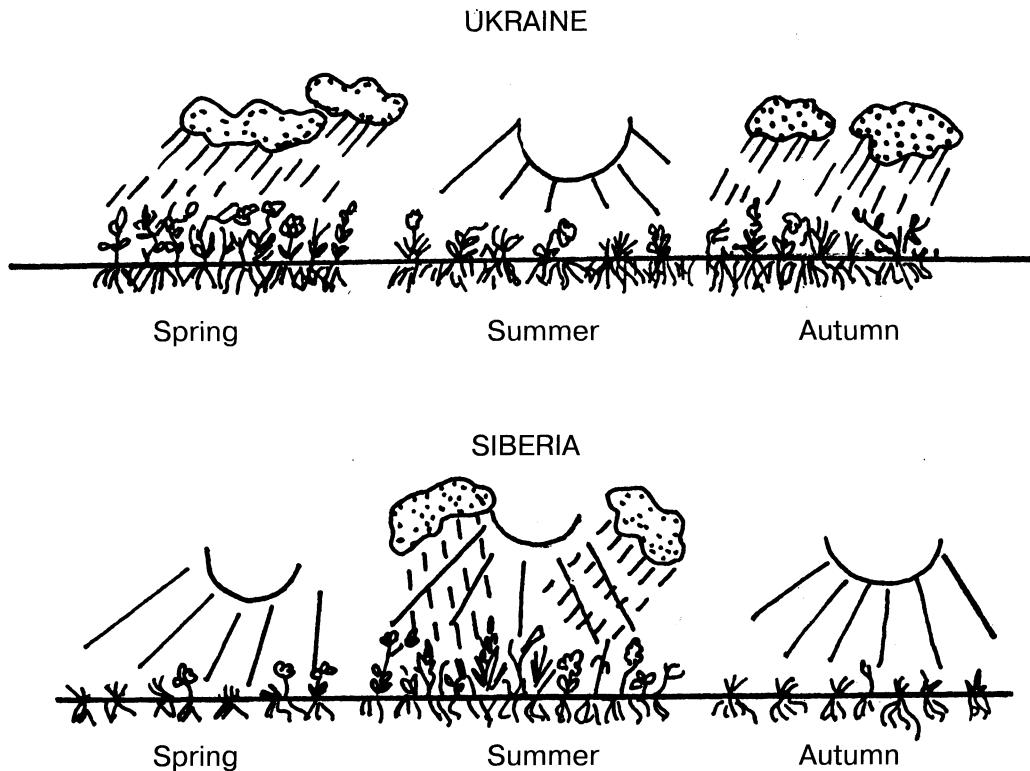


Figure 3. Seasonal rhythm of precipitation falling in the Eurasian Steppes (after Mordkovich 1982, fig. 6)

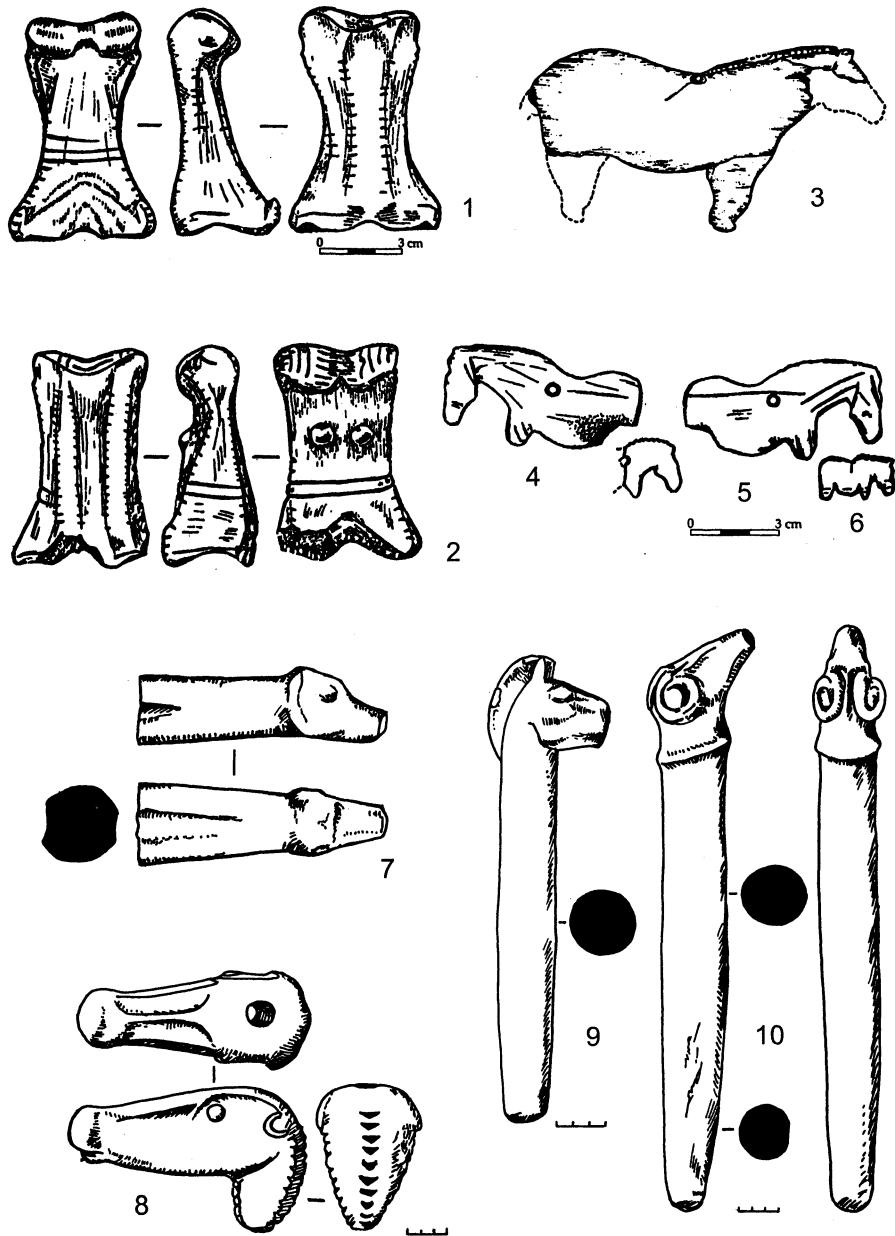


Figure 4. Hobble bones (large phalanges) of a horse with incision; depiction of horse and warders (10—ram)

1, 2, 4–7—Varfolomeevka Neolithic site; 3—Syezzhee Eneolithic cemetery (the Volga region); 8—Orenburg (the Urals); 9, 10—Shipunovo, Early Bronze Age (Siberia); (1, 2, 4–6—bone; 3—boar fang; 7–10—stone)

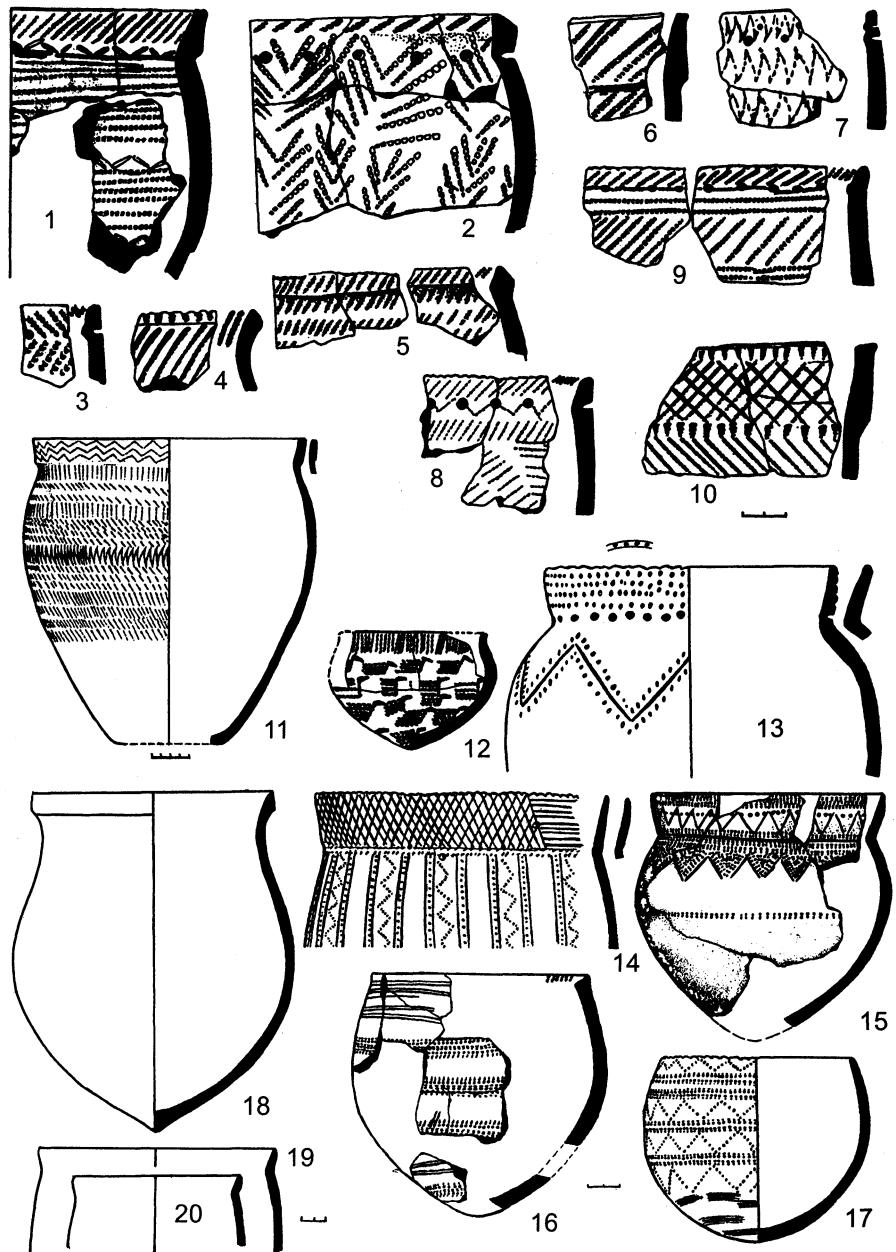


Figure 5. Eneolithic pottery

1-11—Turganik site, Syezzhee type; 12—Late Eneolithic burial mound Ishkinovka; 13-17—Ivanovka site (the Urals)

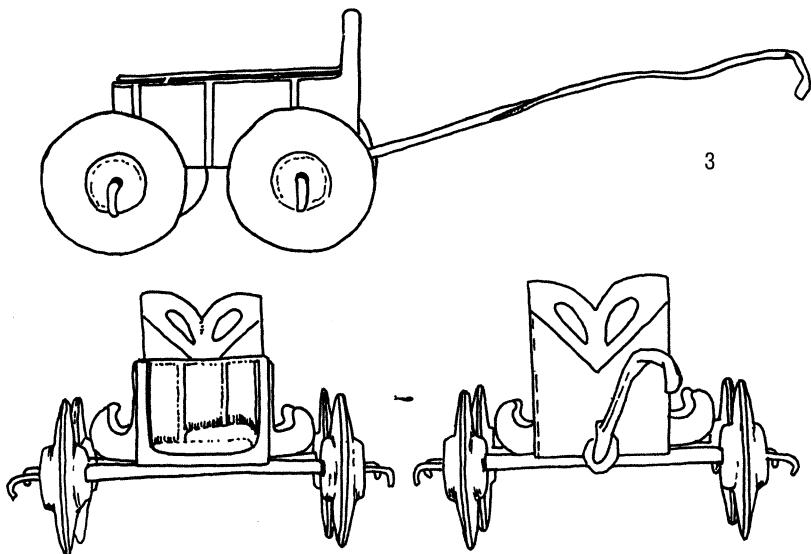
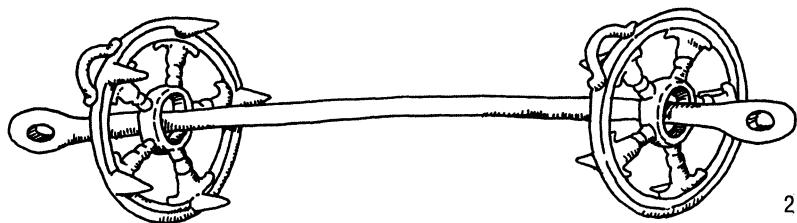


Figure 6. Transport in the Near East

1—Equid kunga (cross between an onager [female] and an ass [male]) with nose ring and kapzug (device for preventing equids from biting while being harnessed) Mari; 2—bronze bit for harnessing Syrian ass (Tell el Ajjal); 3—metal model of car (Paris, Louvre)

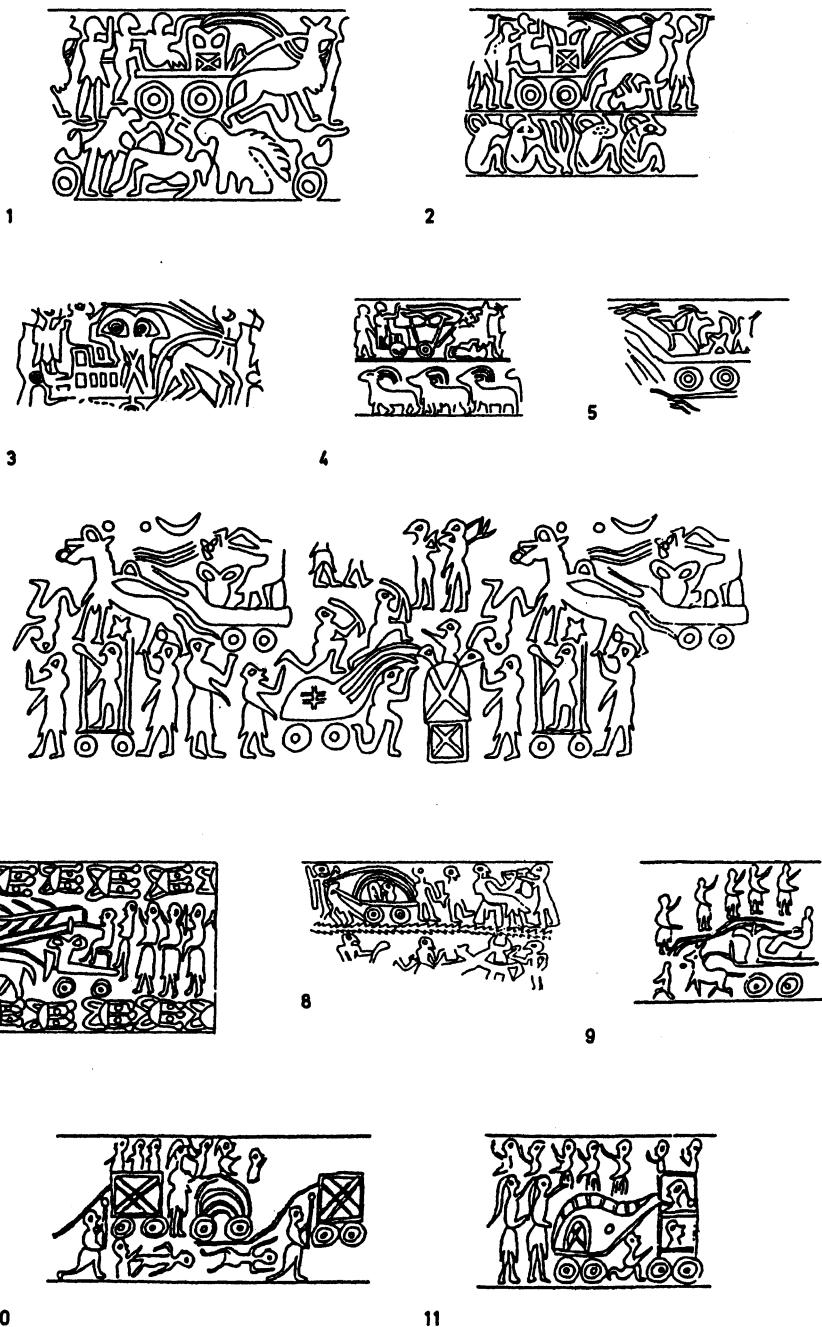


Figure 7. Seal impressions with representations of four-wheeled cars
1-4—Tell-Brak (Nagar c. 1250 B.C.); 5-11—Tell-Beydar (c. 2400-2250 B.C.)

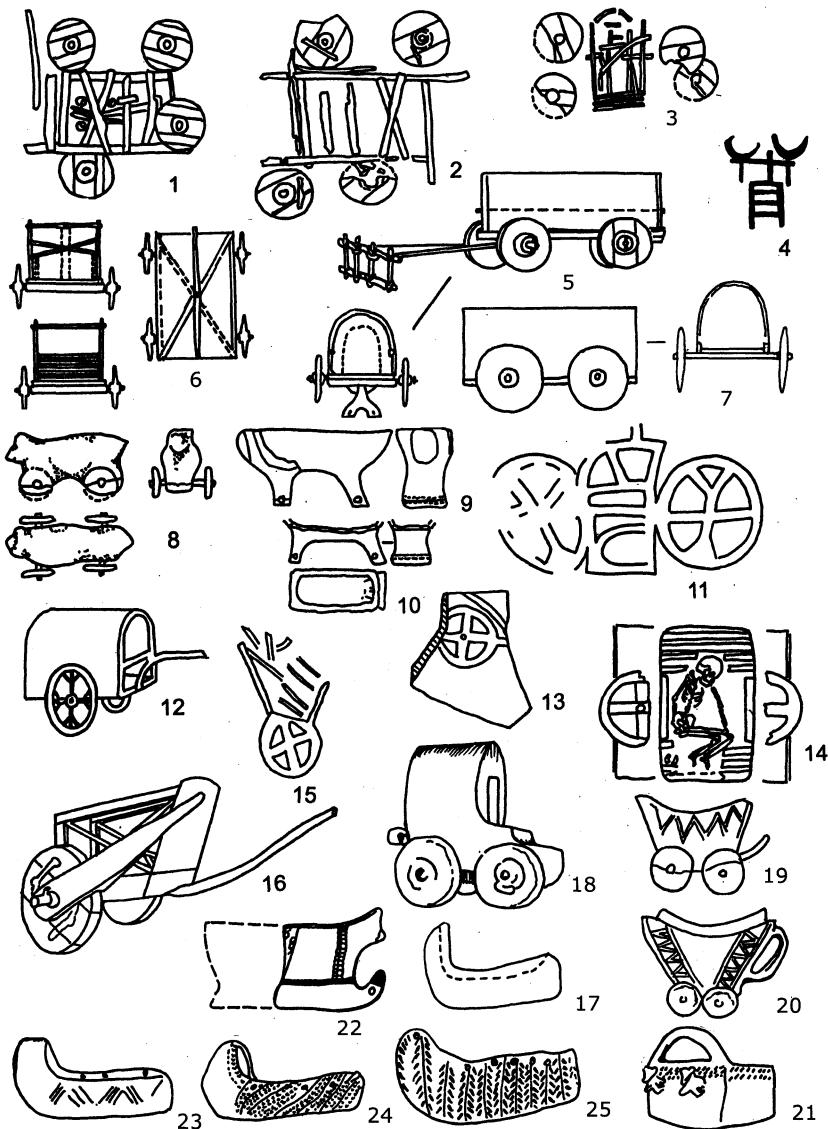


Figure 8. Wooden cars from graves, petroglyphs, and clay models of cars (cultures: 1–2—Novotitarovskaya; 5, 7, 14—Pit-Grave; 3, 6, 16, 17, 23–25—Catacomb)

1—Novotitarovskaya; 2—Ostanniy; 3—Borovkovka; 4, 15—Kamennaya Mogila; 5—Lukyanovka; 6—Kamenka; 7—Pisarevka; 8—Voroshilovka; 9—Vladimirovka; 10—Nemirov; 11, 12—Novonikolaevka (stone slab, covering the grave with representation of two-wheeled vehicle and its reconstruction); 13—Simferopol barrow (stone slab with representation of wheel); 14—Zarechnoe; 16—Mar’evka (reconstruction); 17—Vasil’evka; 18—Kerch (Scythian); 19—Sigetsmornortan (Hungary); 20—Budakalash (Hungary); 21—Radoshin (Slovakia); 22—Talyanka (model of a sledge, Tripolye Culture); 23—Rostov; 24—Pokrovskoe; 25—Kondratovka

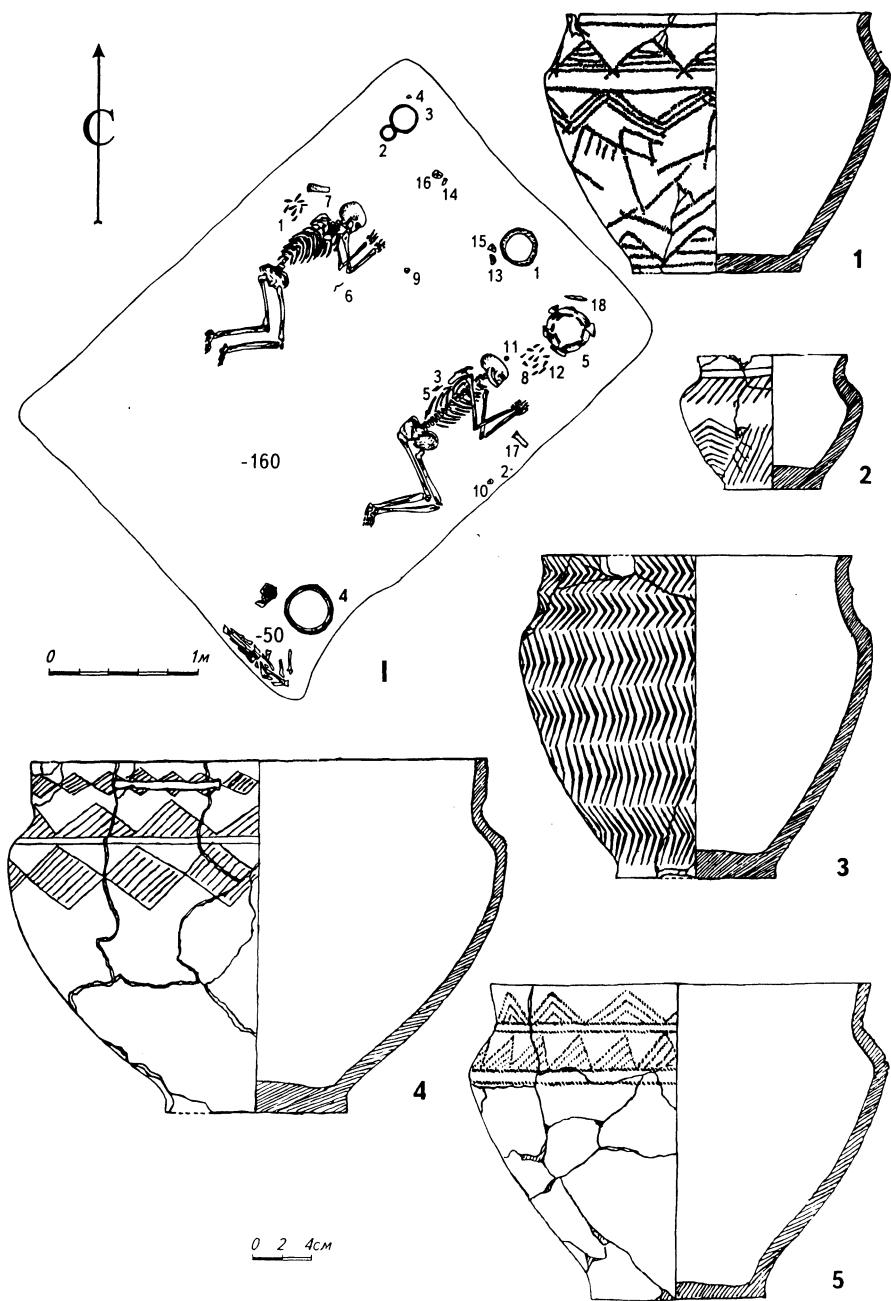


Figure 9. Grave and pottery of the Sintashta type. Cemetery Vostochno-Kuraili, barrow 11, grave 4

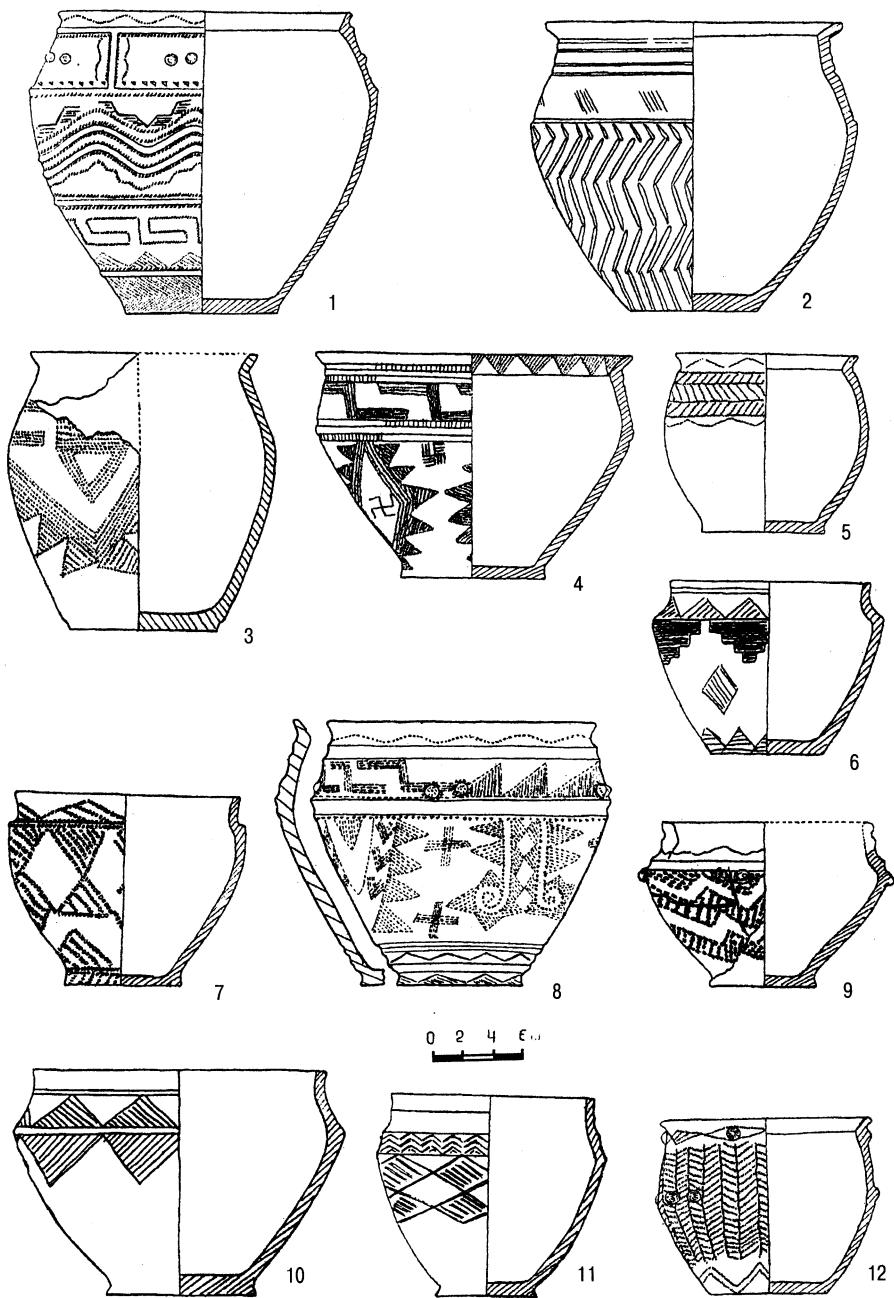
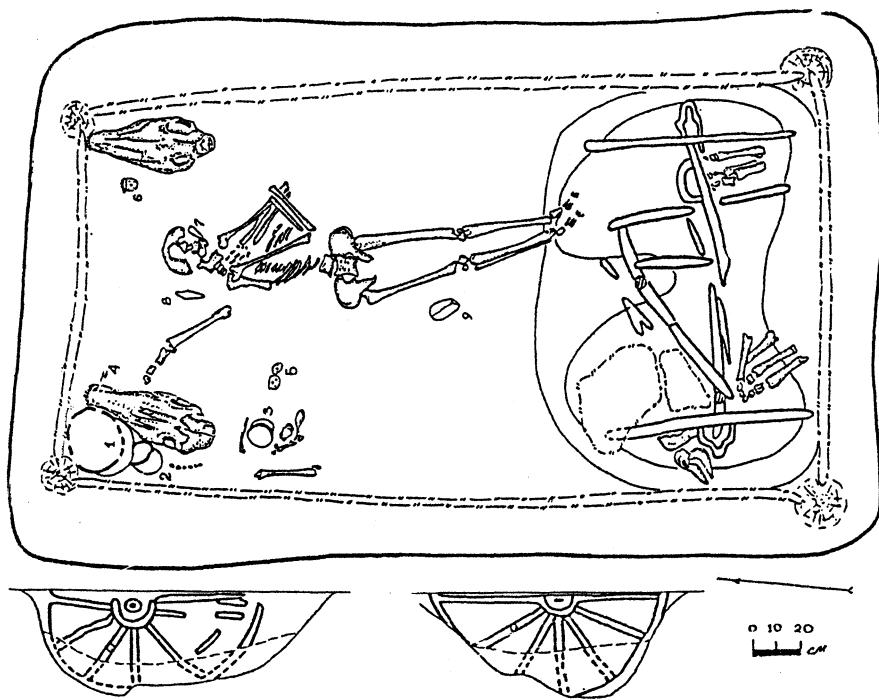
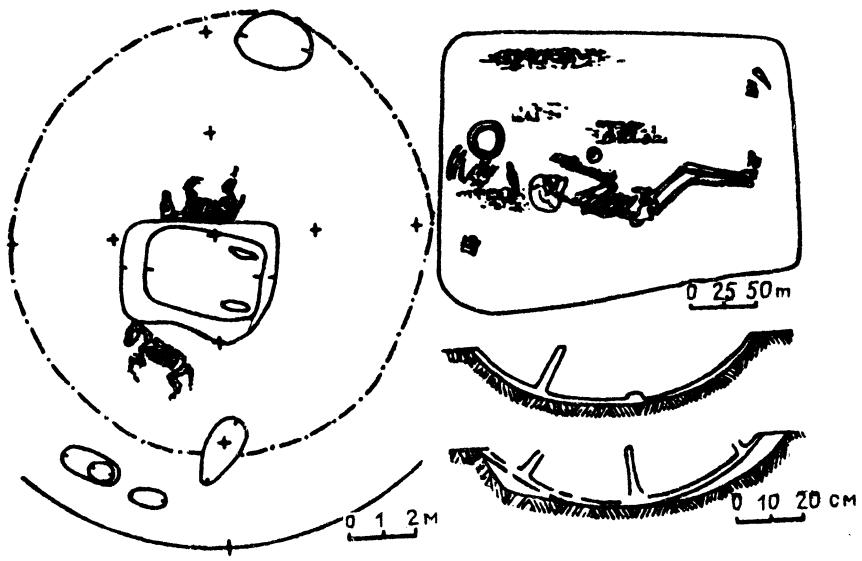


Figure 10. Pottery of the Sintashta type. Cemetery Tanabergen



1



2

Figure 11. Graves with remains of chariots and imprints of wheels with spokes
1—Krivoe Ozero, barrow 9, grave 1; 2—Berlik II

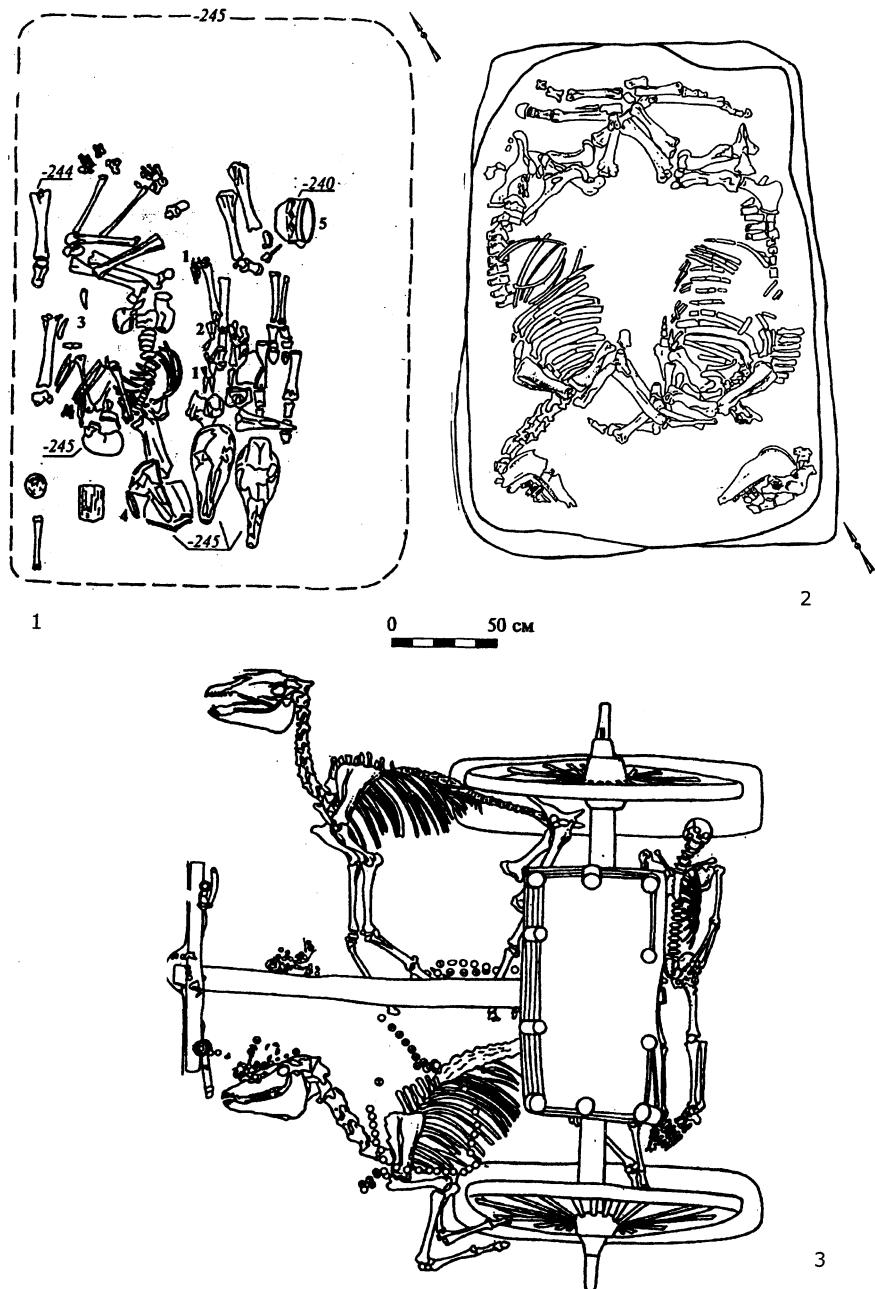


Figure 12. Graves with pairs of chariot horses

1—Kamennyi Ambar cemetery, barrow 2; 2—Uvarovo II, grave 3; 3—Xiaomintun (Anyang)

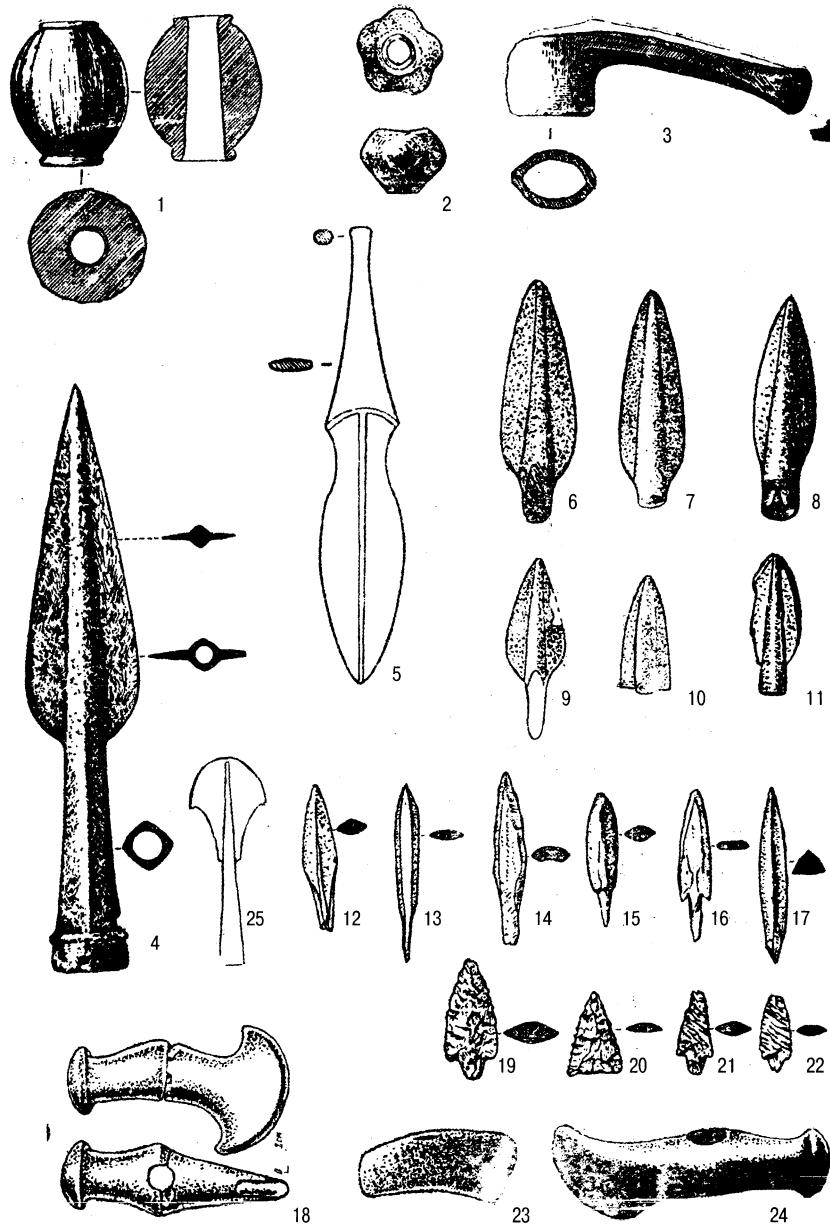


Figure 13. The armament of an Andronovan warrior

1—Alakul; 2—Malokrasnoyarka; 3—Tsarev Kurgan; 4—Bliznetsy (Kumak); 5—Kustanai district; 6, 7—Ortau (Zhaman-Uzen II); 8—Karkaralinsk; 9, 10—Aish-rak; 11—Temirtau; 12–17—Alekseevka, bottom level; 18—Korkino; 19–22—Sintashta settlement; 23—Krasnaya Krucha grave; 24—Mirnyi; 25—Sintashta cemetery (2, 18–24—stone; 12–17, 25—bone; the rest—bronze)

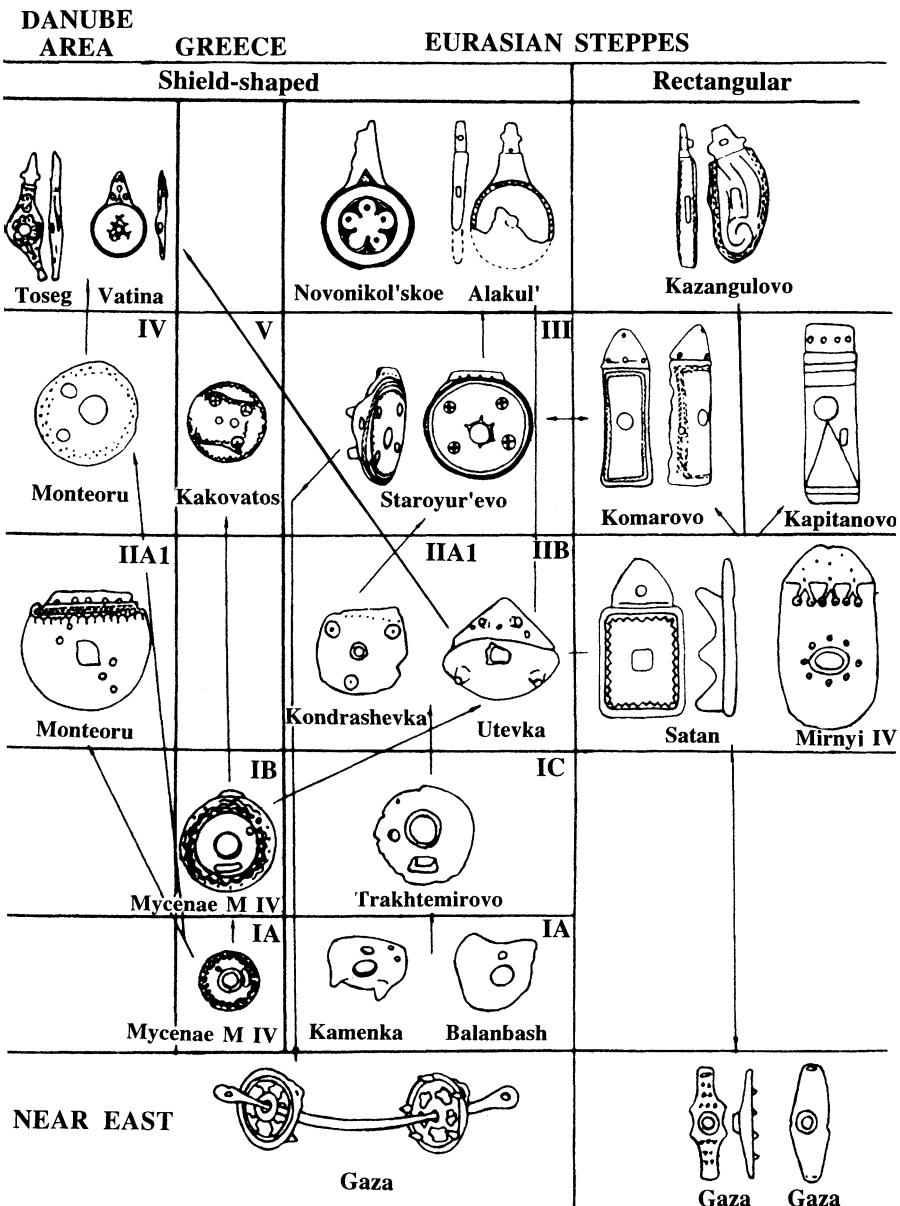


Figure 14. Evolution of types of cheek-pieces of Eurasian Steppes, the Danube area, Mycenae, and the Near East

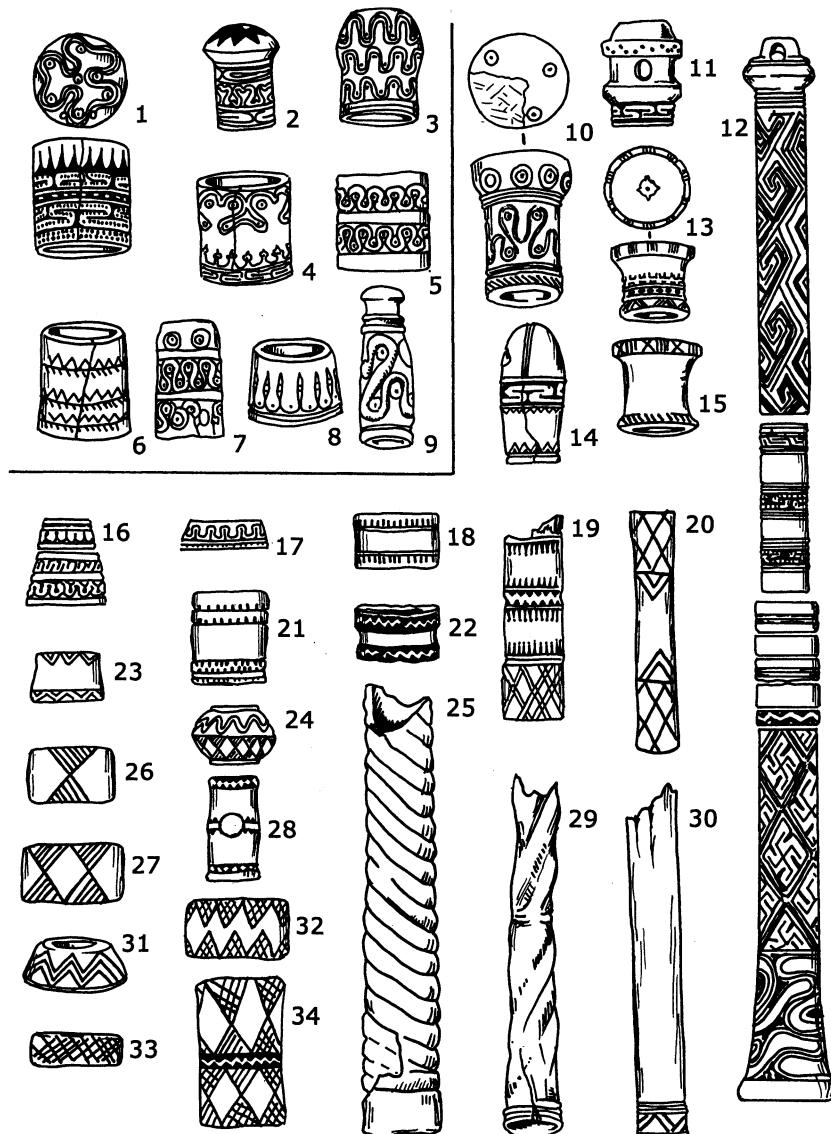


Figure 15. Bone details of lashes and staffs with Mycenaean ornament

1—Tissafured; 2—Toseg; 3, 4, 8—Vatina; 5, 7—Bluchin; 6—Nitryanski Hradok; 9—Alalach; 10—Petryaevsky; 11—Yubileinoe; 12—Krasnoselki; 13—Novyi Rizadei; 14—Privetnoe; 15—Konstantinovsky; 16—Pasekovo; 17—Shilovskoe; 18, 27—I Fedorovsky; 19—Radchenskoe; 20—Borodaevka; 21—Grafskaya; 22—Kashpirsky; 23, 24—Pokrovsky; 25—Vil'no-Grushevka; 26, 32—Novopavlovsky; 28—Staraya Kalitva; 29—Istomin; 30—Mirnyi; 31—Pavlovsky Plodosovkhoz; 33—Bykovo; 34—Berezovsky (After Besedin 1999, fig. 2)

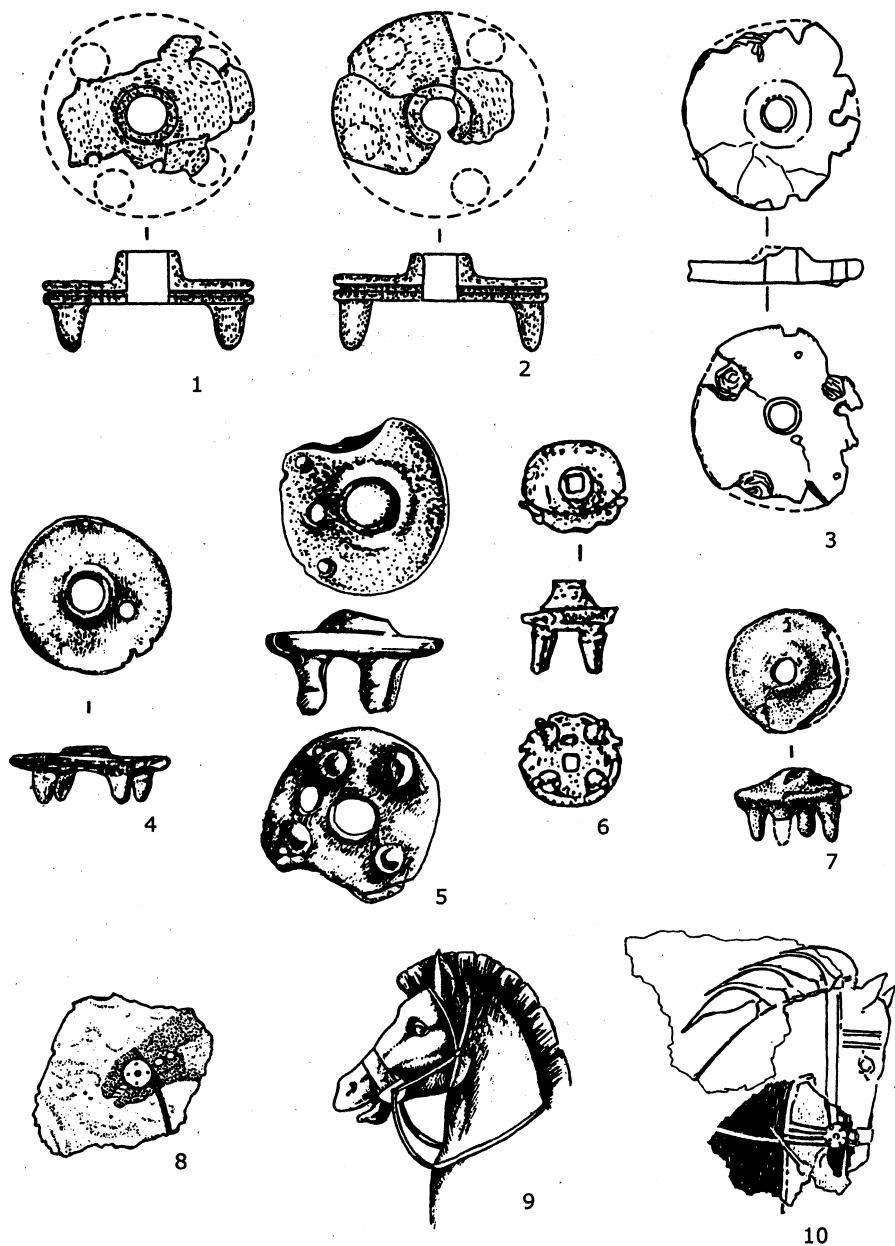


Figure 16. Cheek-pieces from the Urals and Volga, with analogs from Uzbekistan. The representation of horses and the reconstruction of the bridle

1-2—Zardcha-Khalifa; 3—Dzharkutan; 4, 5—Potapovka; 6—Kamennyi Ambar; 7—Sintashta; 8, 10—representation of the bridle on the frescos from Tiryns; 9—reconstruction of Potapovka bridle

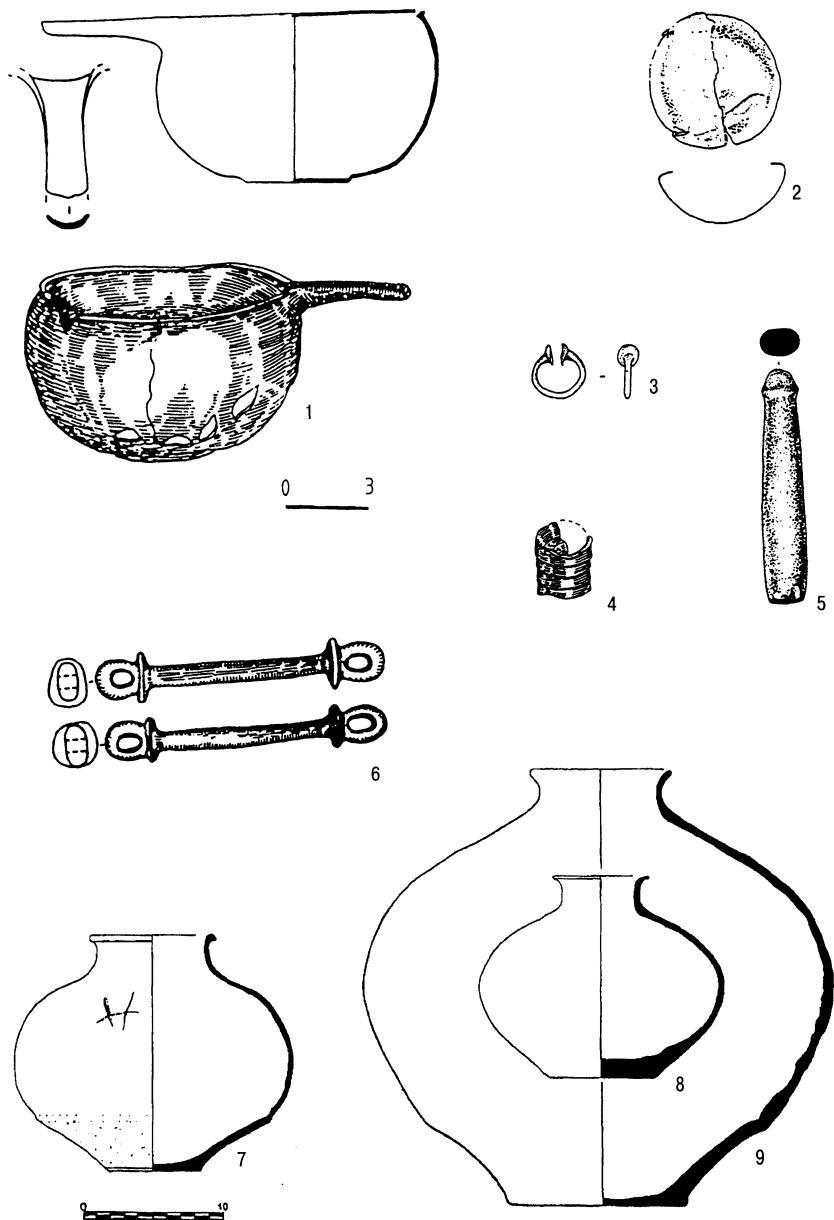


Figure 17. Complex of Zardcha-Khalifa

1, 2, 4—vessels; 3—temple-ring; 5—pestle; 6—bits; 7—9—pots (1, 4, 6—metal;
2, 3—gold; 5—stone; 7—pottery)

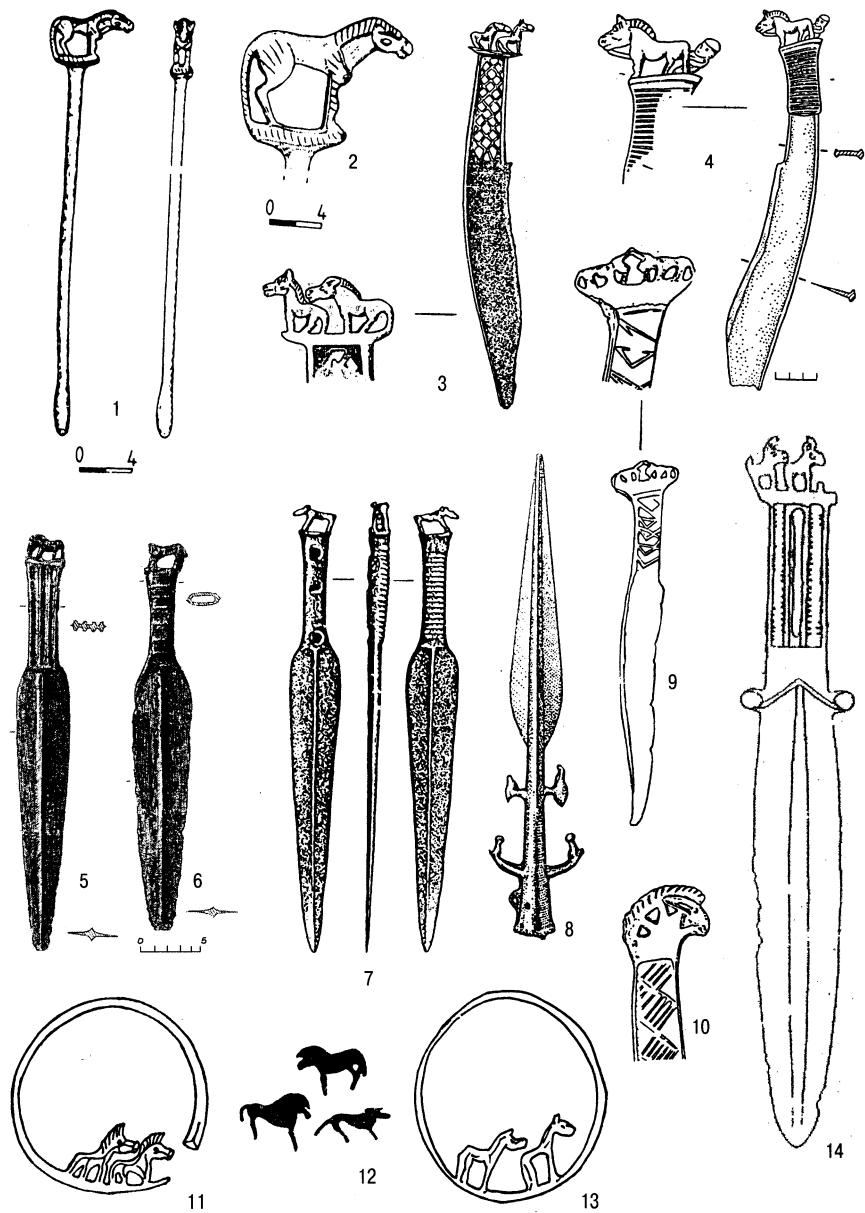


Figure 18. Representations of equids in Zardcha-Khalifa and the Eurasian Steppes

1-2—Zardcha-Khalifa; 3—Seima; 4—Rostovka; 5-6—Karakol II; 7—Kurchum; 8—Dzhetygora; 9—Dzhumba; 10—Elunino; 11—Munshunkur; 12—petroglyphs from Central Kazakhstan; 13—Chesnokovo I; 14—Tuva

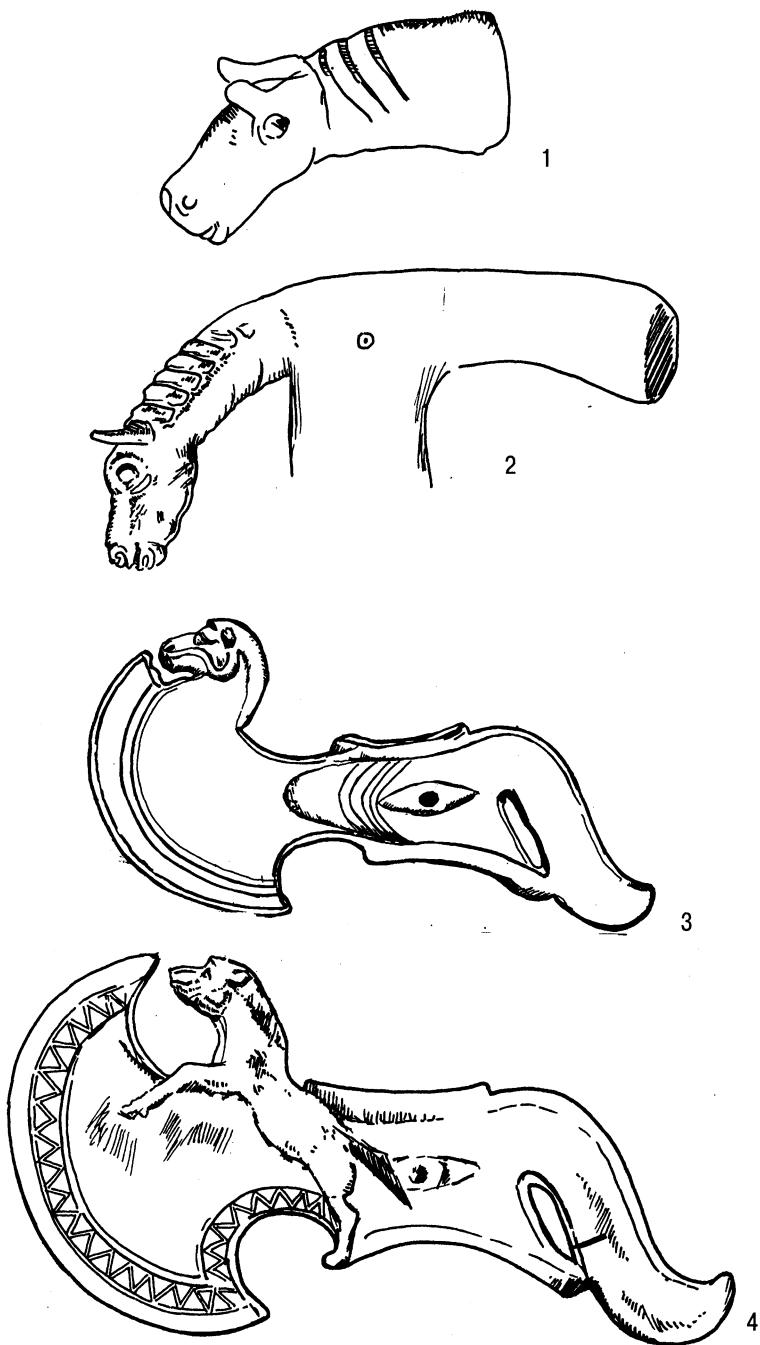


Figure 19. Bronze staff and axes with the representations of horses from South Bactria
1-4—chance finds (4—Mahboubian collection)

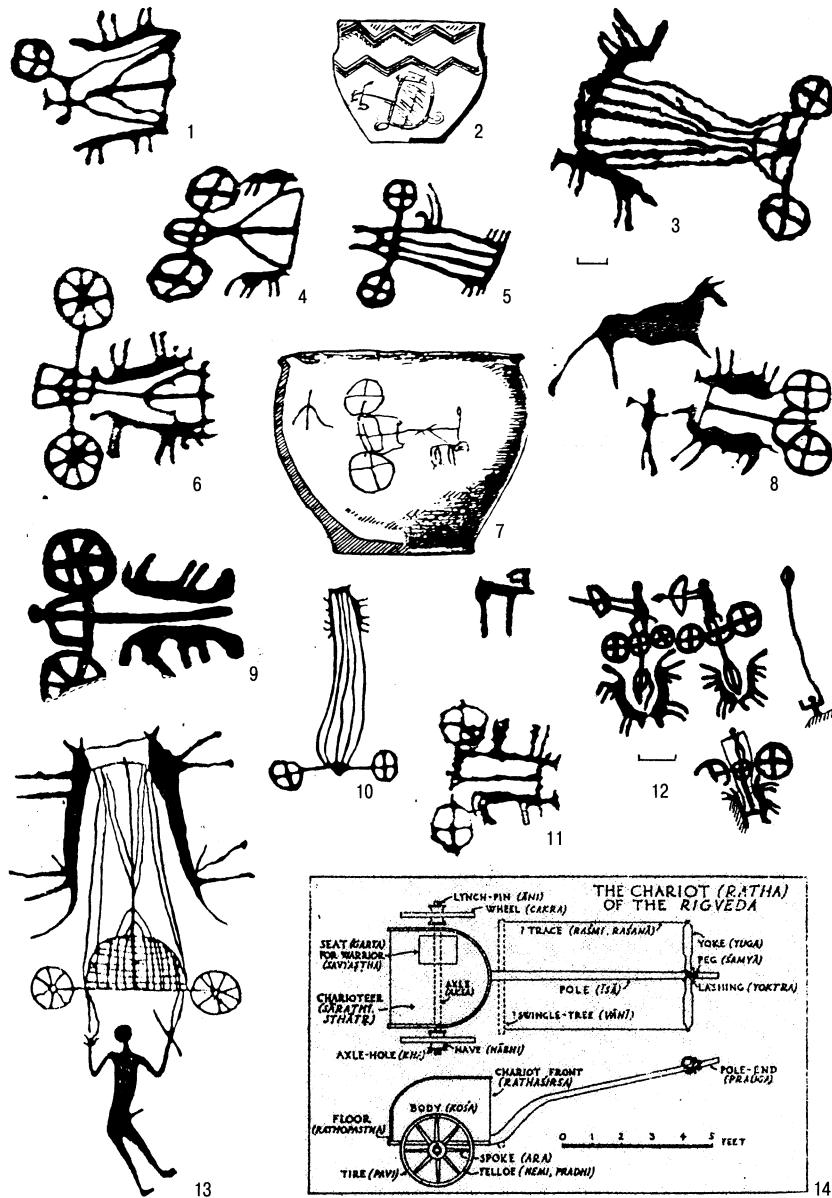


Figure 20. Representations of chariots on Andronovo and Timber-Grave pots and petroglyphs from Central Kazakhstan, the Pamirs and Tuva; reconstruction of *Rigveda* chariot

Petroglyphs: 1, 3—Koibagar III; 4—Kok-Bulak; 5, 10—Koibagar I; 6—Synek-Churek (Tuva); 8—Gabaevka; 9—Tekke-Tash (the Pamirs); 11—Chinge (Tuva); 12—Arpauzen V; 13—Akdzhilga (the Pamirs);

Cemeteries: 2—Spasskoe I (the Urals); 7—Sukhaya Saratovka (the Volga); 14—chariot of the *Rigveda* (after W. Rau 1983, fig. 5)

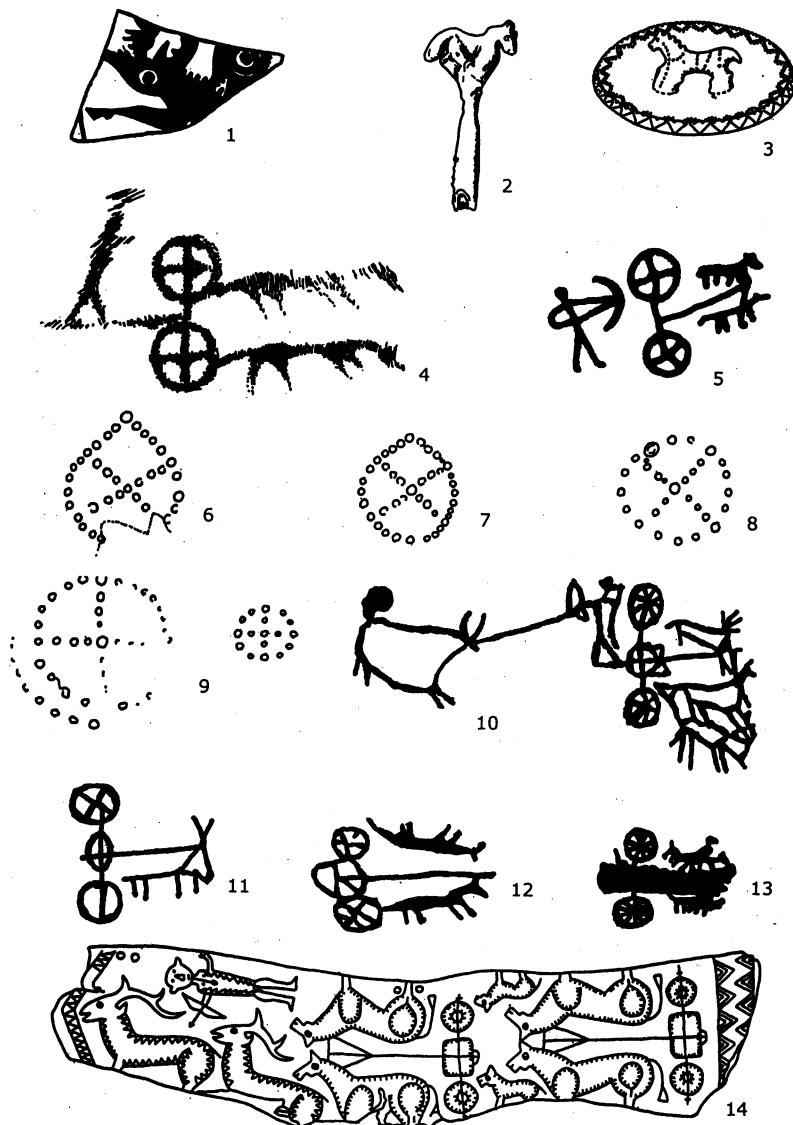


Figure 21. Representations of horses and chariots in Swat, Xinjiang, and Mongolia

Pottery: 1—Bir-Kotghwandai (period Ghalegai IV); 3—clay cover (Loebanr necropolis);

Bronze: 2—bronze rod (Katelai necropolis);

Petroglyphs: 4—Lecha-gata (from photograph); 5—Thor (north bank of the Indus); 6-9—Durbandai, site 23; 10—Lunshan (Qinghai province); 11—Lijia-wanzi (Balikun district); 12—Badakhshan; 13—Congcheng (Hami);

Bone plaque: 14—Nanshangen, tomb 102

(1-9—Swat, 10-13—Xinjiang [12—the Pamirs]; 14—Inner Mongolia)

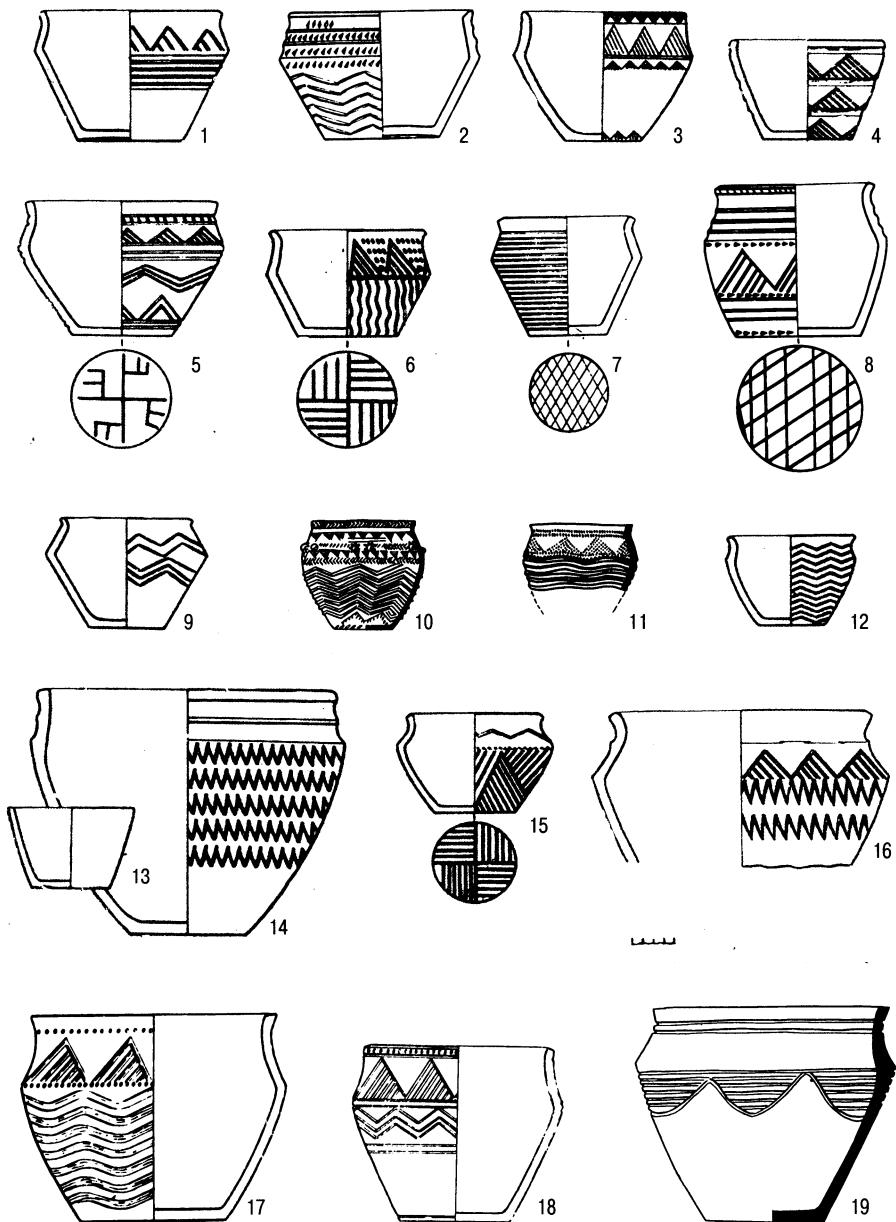


Figure 22. Petrovka-type pottery
Petrovka Cemetery, North Kazakhstan

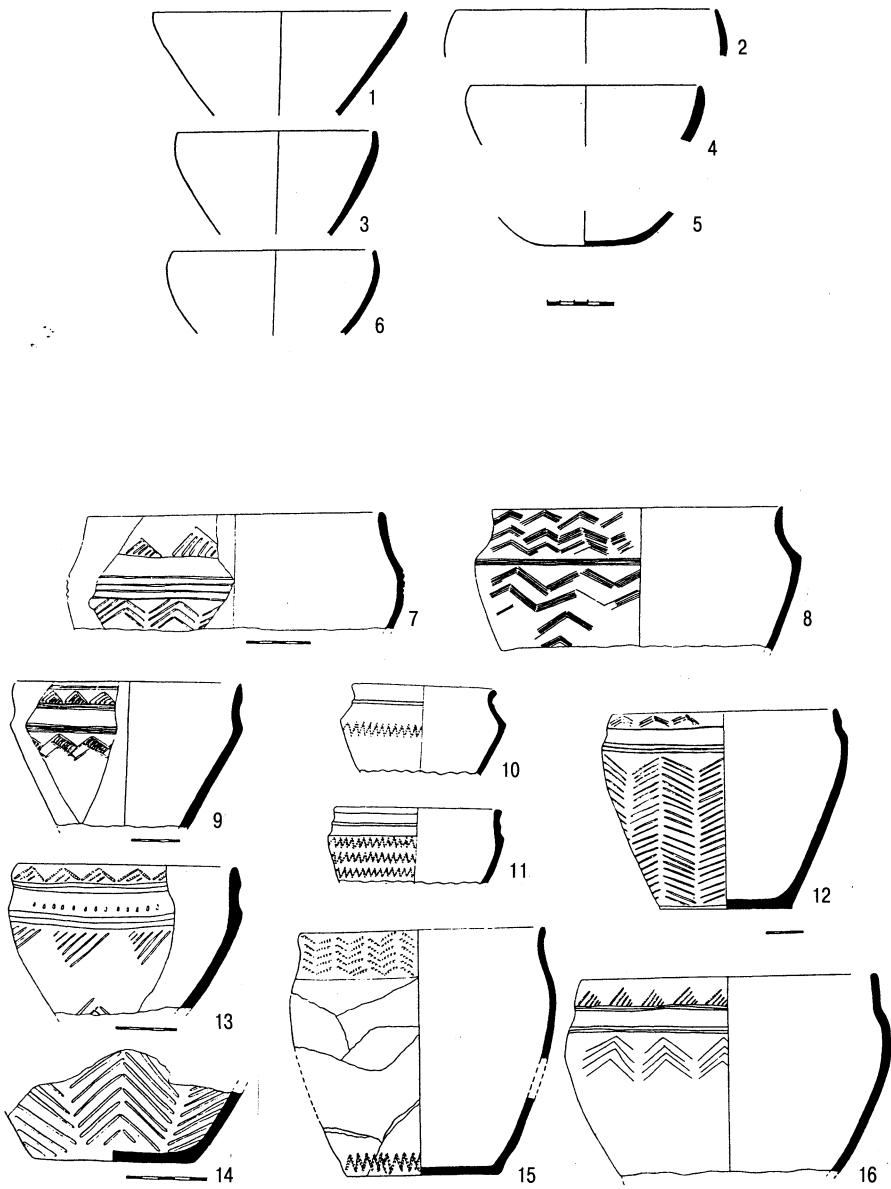


Figure 23. Pottery from Tugai settlement, Uzbekistan

1-6—Sarazm agricultural settlement type; 7-16—hand-formed Petrovka type

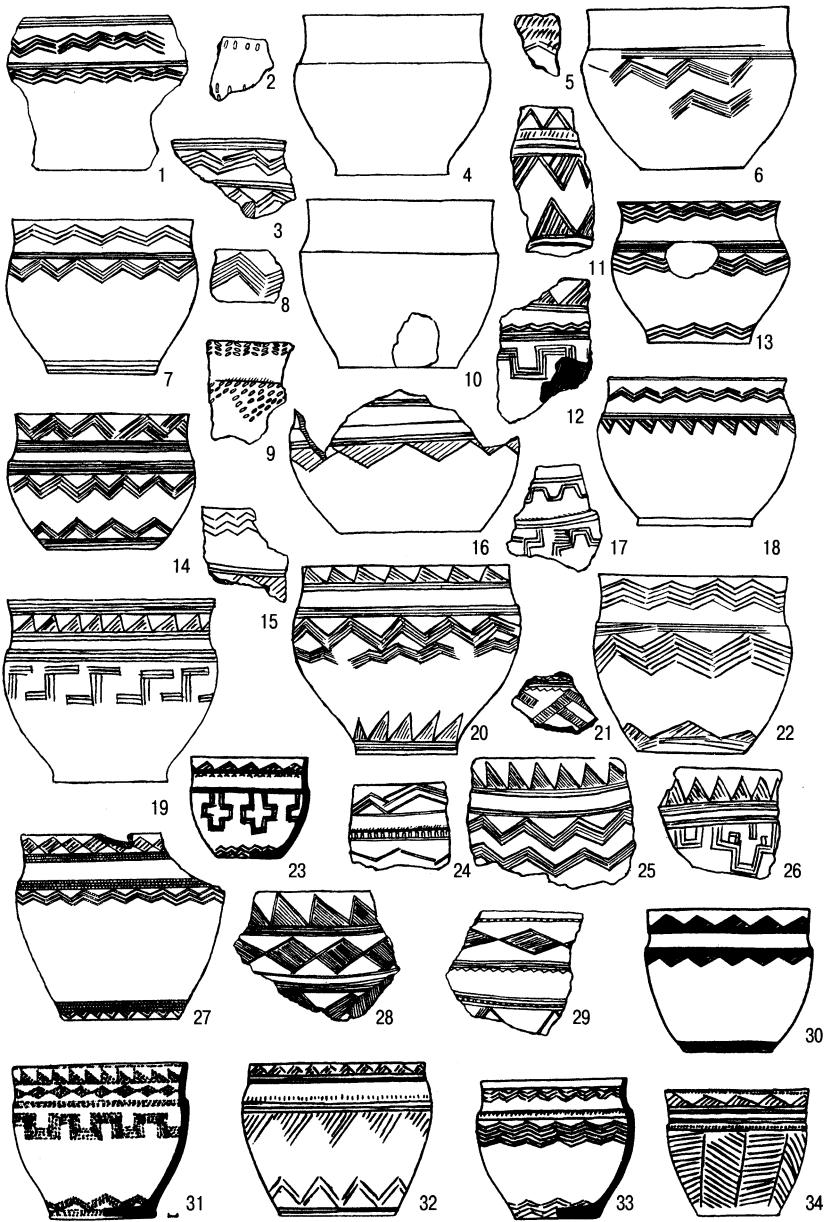
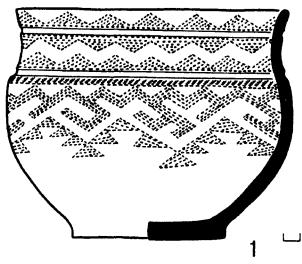
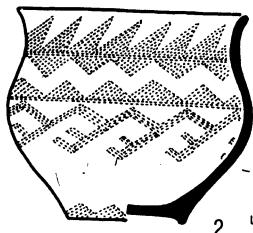


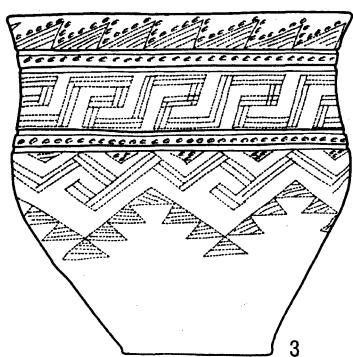
Figure 24. Andronovo pottery of Alakul type (the Urals, Alakul cemetery)



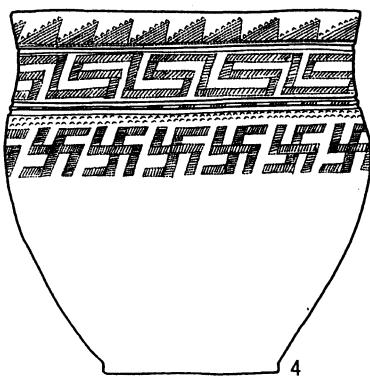
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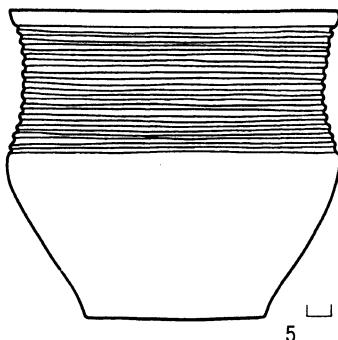
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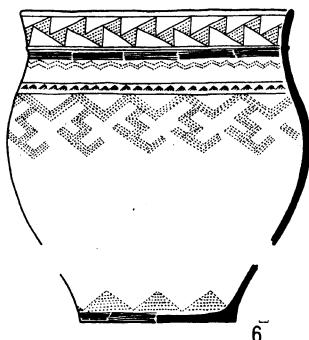
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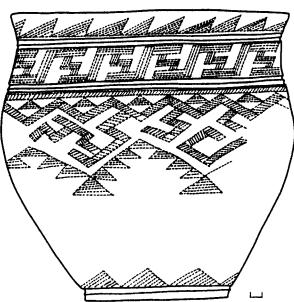


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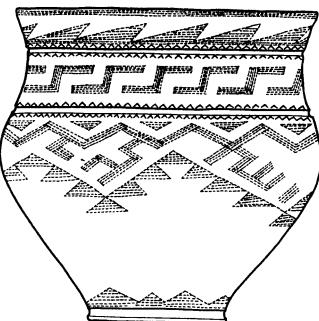


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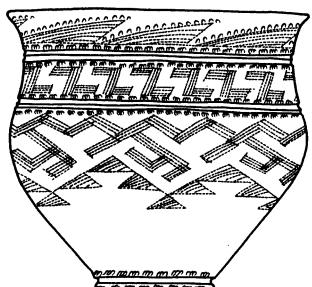
Figure 25a, b. Andronovo pottery of Fedorovo type (North Kazakhstan, cemeteries)
a: 3, 4—Biyrek-Kol'; others Borovoe



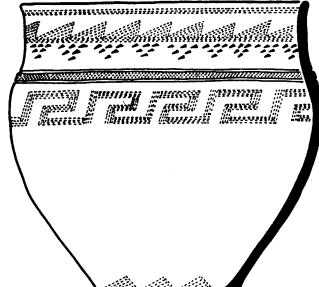
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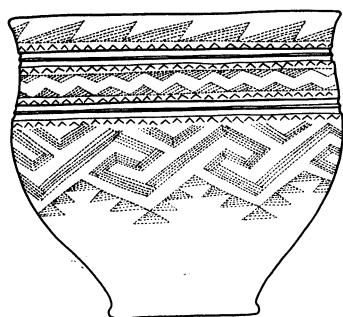
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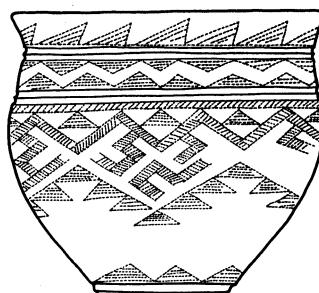
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Figure 25 Continued

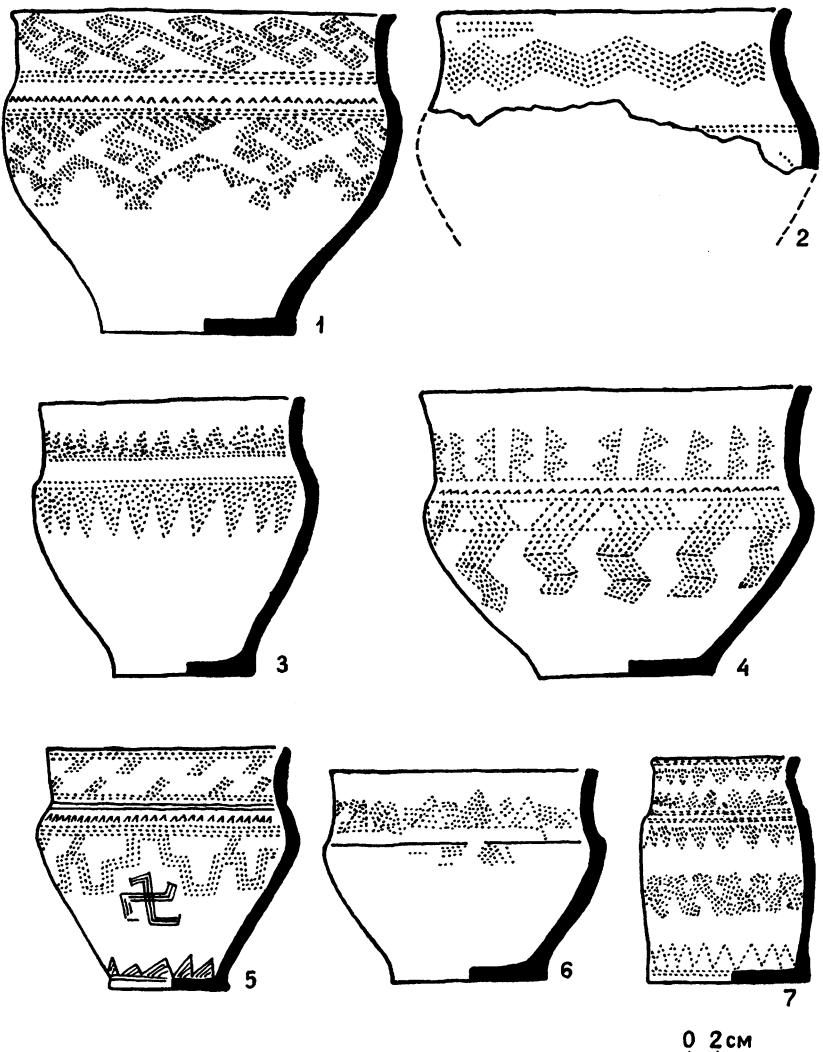


Figure 26. Andronovo pottery of Tautary type (South Kazakhstan, Tautary cemetery)

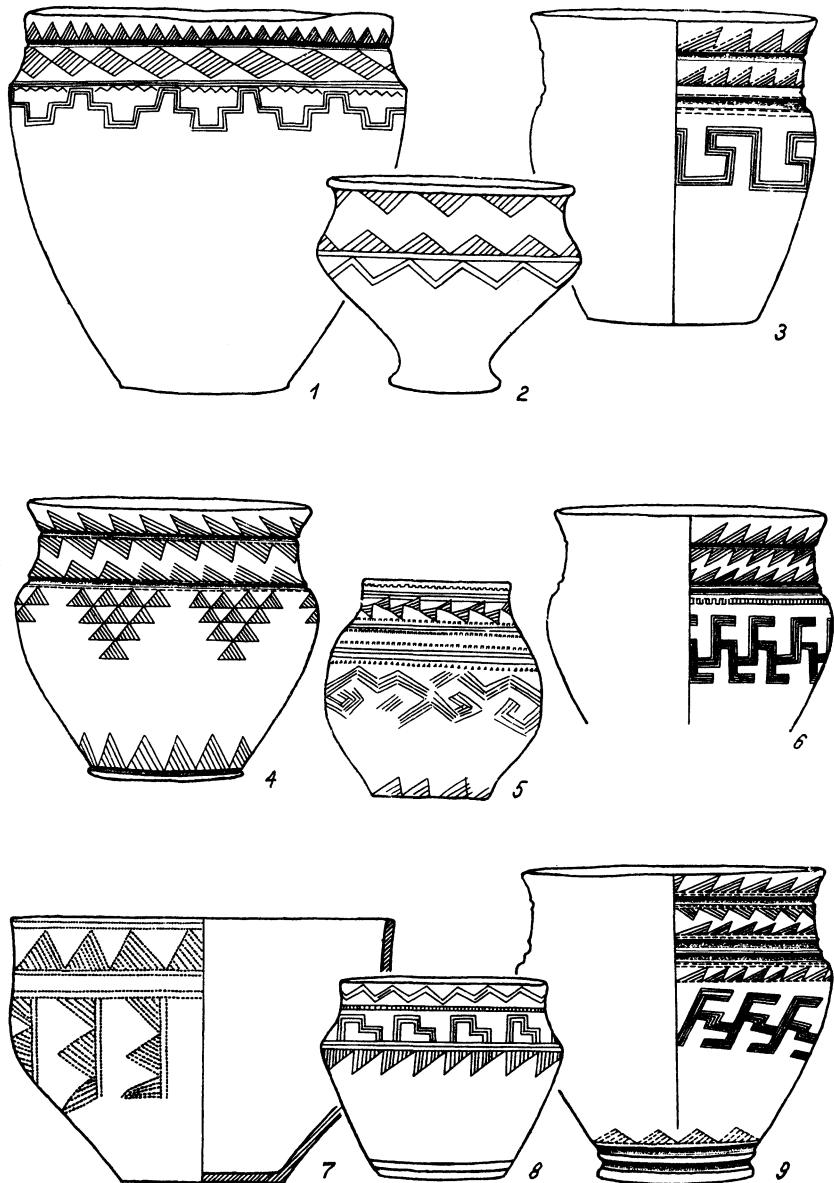


Figure 27. Andronovo pottery of Atasu type (Central Kazakhstan and Tashkent oasis)

1—Efimovka; 2—El'shibek; 3, 6, 9—Atasu; 4, 8—Karaganda area;
Tashkent oasis: 5—Zangi-Ata; 7—Chimkent-Tashkent road

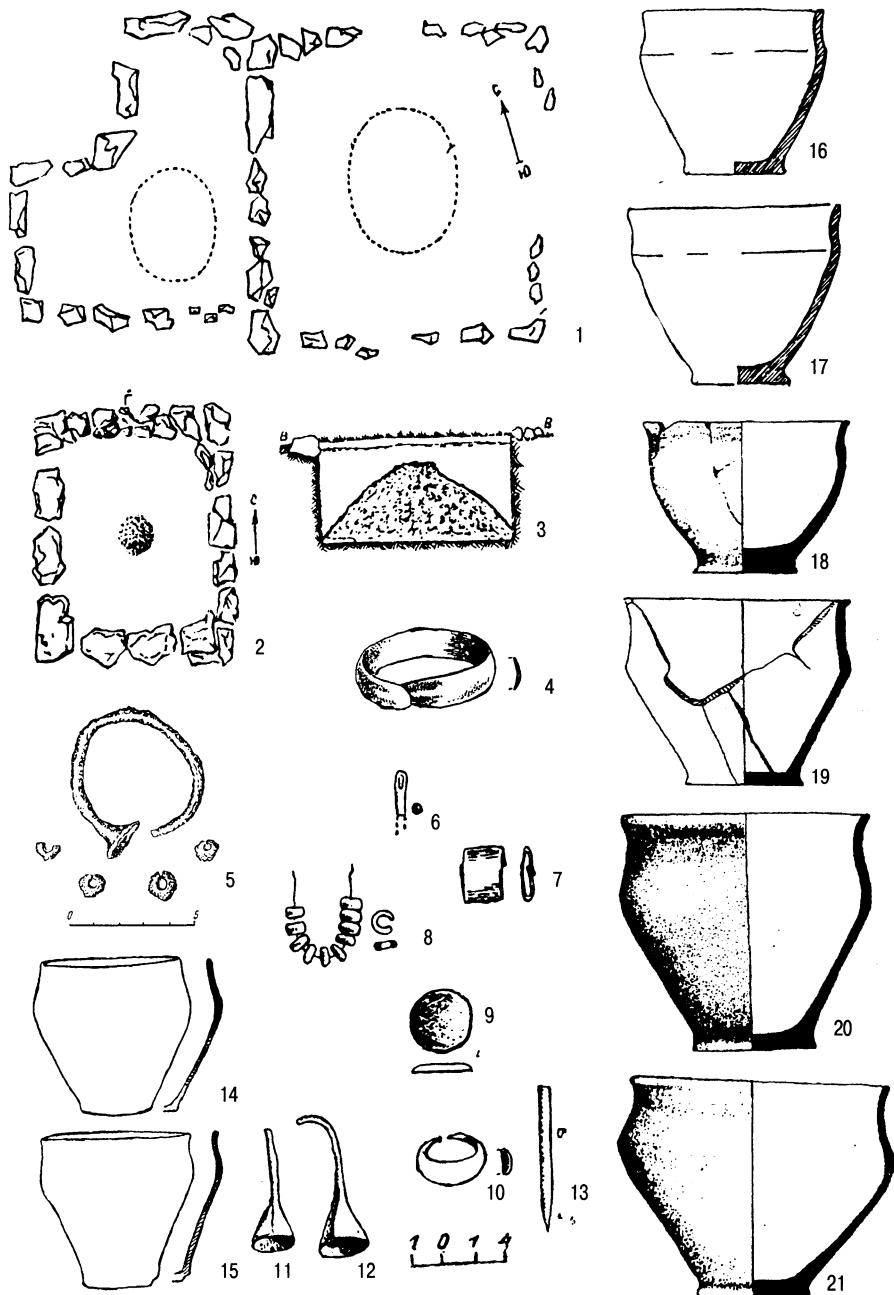


Figure 28. Andronovo complex of Semirechye type
 1-4, 6-15—Tash-Tyube II; 5, 16, 17—Tegirmen-sai; 18-21—Uzunbulak

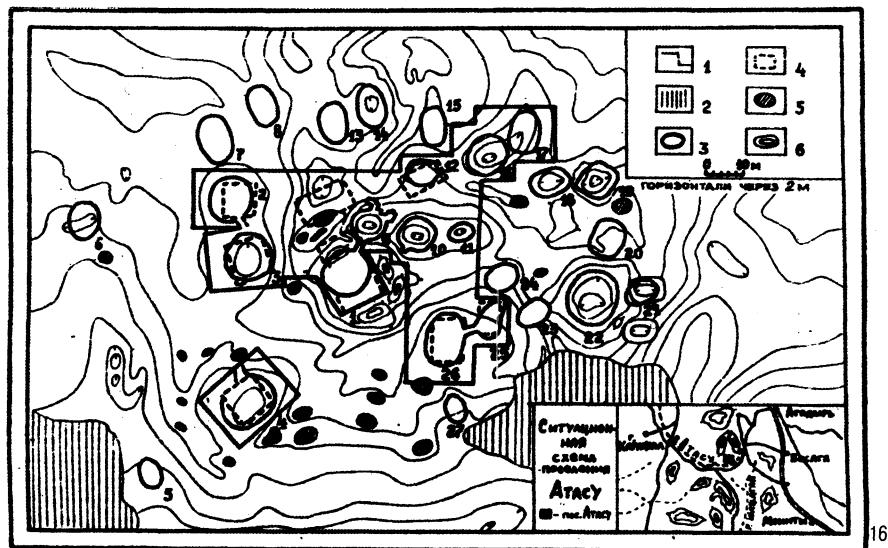
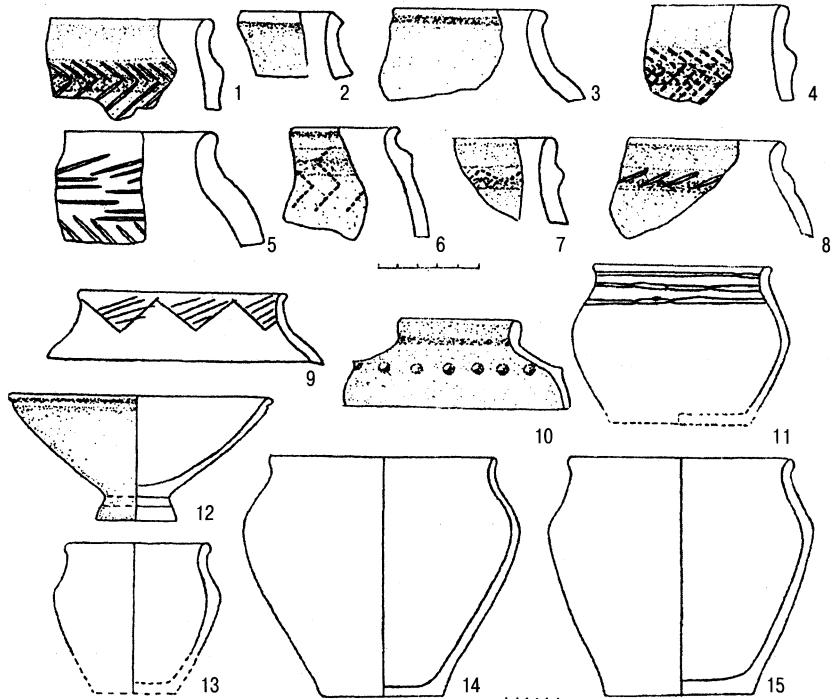


Figure 29. Late Andronovo–Alekseevka type complexes in Central Kazakhstan
 1–15—pottery of Ikpen' settlement (top horizon); 16—Topographical plan of Atasu settlement. Key: 1. outlines of excavated zones; 2. original pits; 3. outlines of later houses; 4. outlines of older houses; 5. ash heaps; 6. elevation contours (2 meters). Inset: Map of Atasu settlement and environs (rivers: Karazhal, Atasu, Agadyr', Bosaga, Mounty)

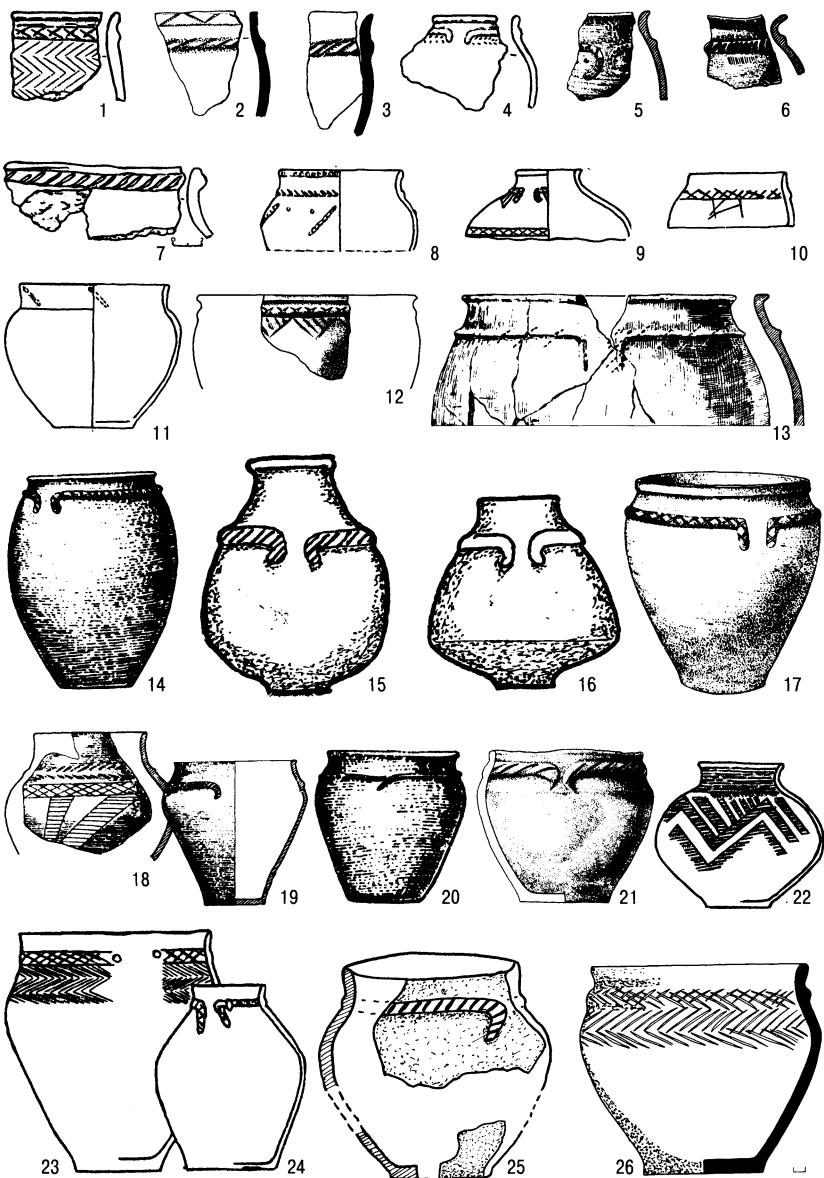


Figure 30. Alekseevka-type pottery with applied roller decoration from Asian Steppes and its analogies from South Russia and Iran

Settlements: 1, 4—Kent; 2, 3—Kirovskoe; 5, 6—Belozerka; 7, 8—Dongal; 9–11, 19, 22—Novonikolskoe; 13—Trushnikovo; 14—Chervonnoe Ozero; 17—Ivanovka; 18—Sargary; 20—Ushkalka; 23–24—Petrovka II;

cemeteries: 12—Begazy; 15, 16—Giyan (Iran); 21—Bykovo; 25—Bola-Kulboldy; 26—Alekseevka

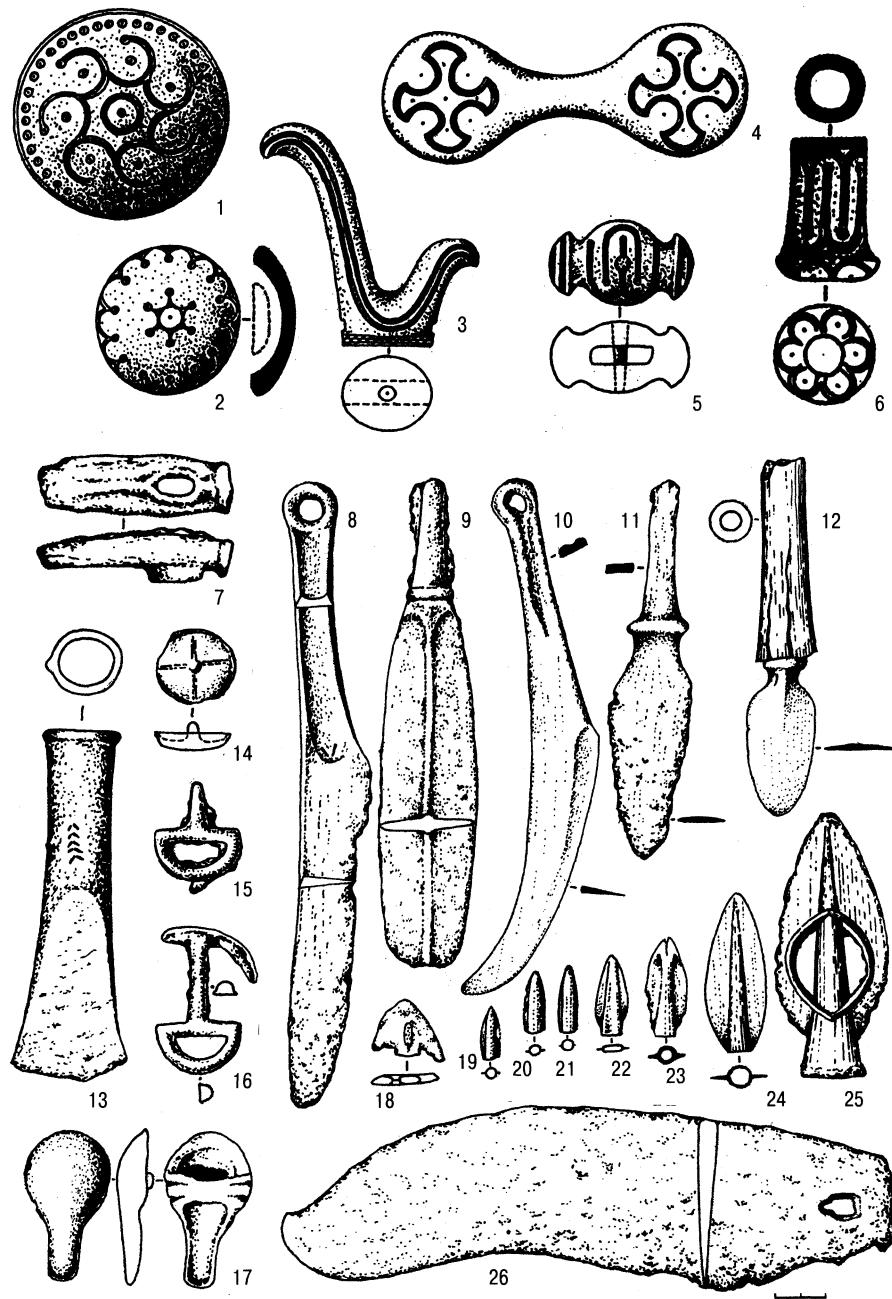


Figure 31. Artifacts of Final Bronze Age, Central Kazakhstan (Kent settlement, after Varfolomeev 2003, figs. 3-5)
1-6—bone, others bronze

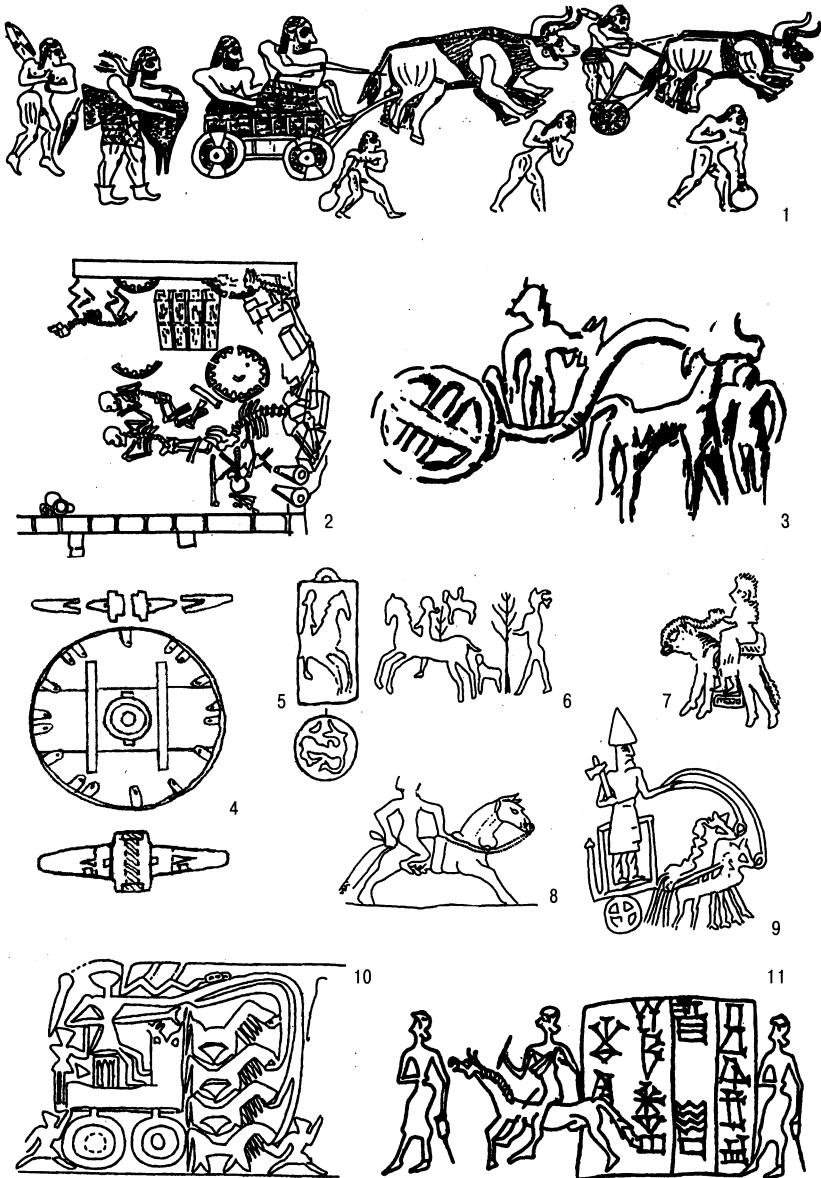


Figure 32. Transport of North-East Iran, Bactria, Margiana, and the Near East
 1—silver bowl from South Bactria (Paris, Louvre); 2—the rich grave 3200 with four-wheeled car, Bactrian camel and horse, Gonur cemetery; 4—reconstruction of wheel from this grave (after Dubova 2004, figs. 21, 41); 6–11—seals; 3—representation of car with cross-bar wheel, Tepe-Hissar; 5, 6—cylinders from Bactria; 7—Kül-Tepe, Karum II; 8—plaque with representation of horsemen; 9—biga with equids, New York, Metropolitan Museum of Art; 10—quadrigle with equids, Tell-Brak; 11—imprint with the name of King Šu-sin

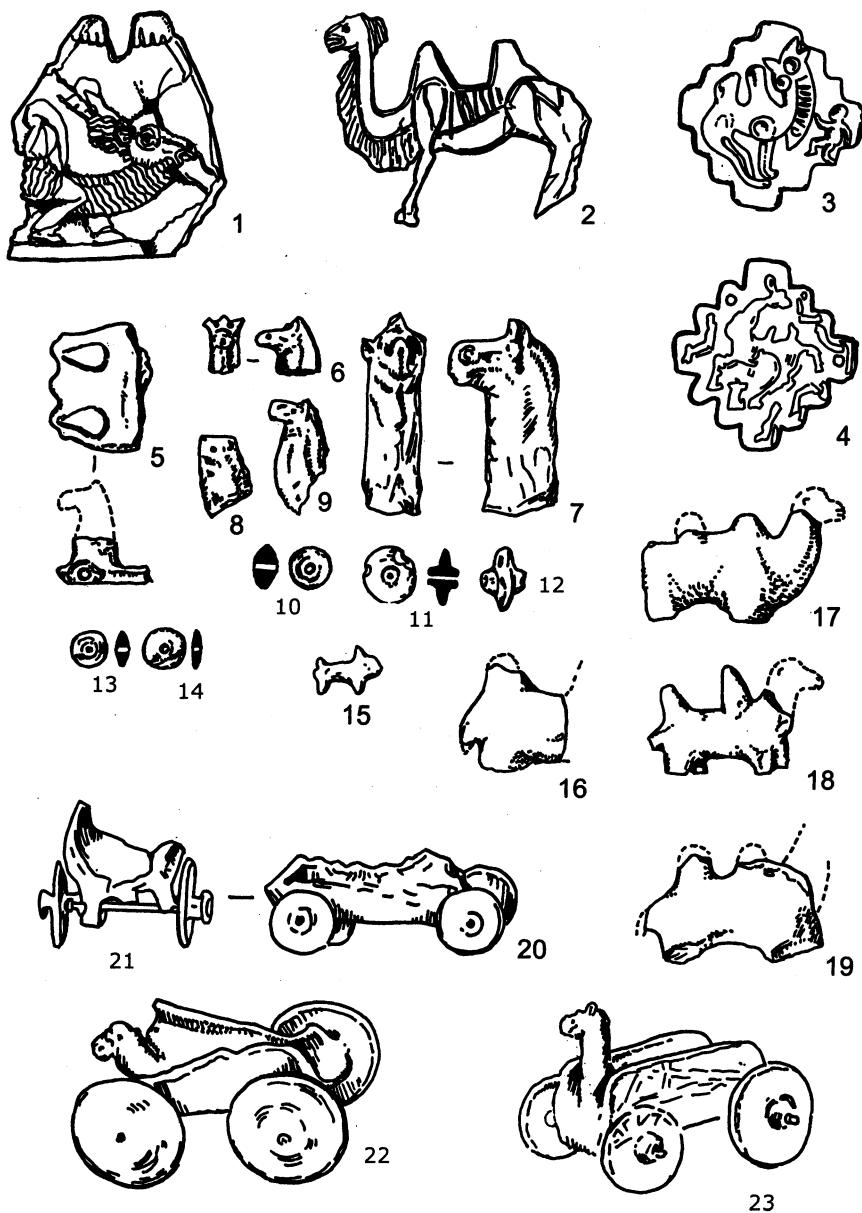


Figure 33. Cars and Bactrian camels in South Central Asia

1-2, 16—Gonur; 3—Bactria; 4—Sapalli-tepe; 5-11, 15, 22, 23—Altyn-depe; 12, 20, 21, - Namazga-depe; 13, 14—Kara-depe; 17, 19—Togolok I; 18—Togolok III; (1, 4—stone, others clay)



Figure 34. Bactrian camels on petroglyphs in Central Kazakhstan and Kirghizstan

1—Arpauzen III; 2, 5, 9, 10—Koibagar III; 3, 4, 6, 7—Saimaly-Tash; 8—Koibagar II

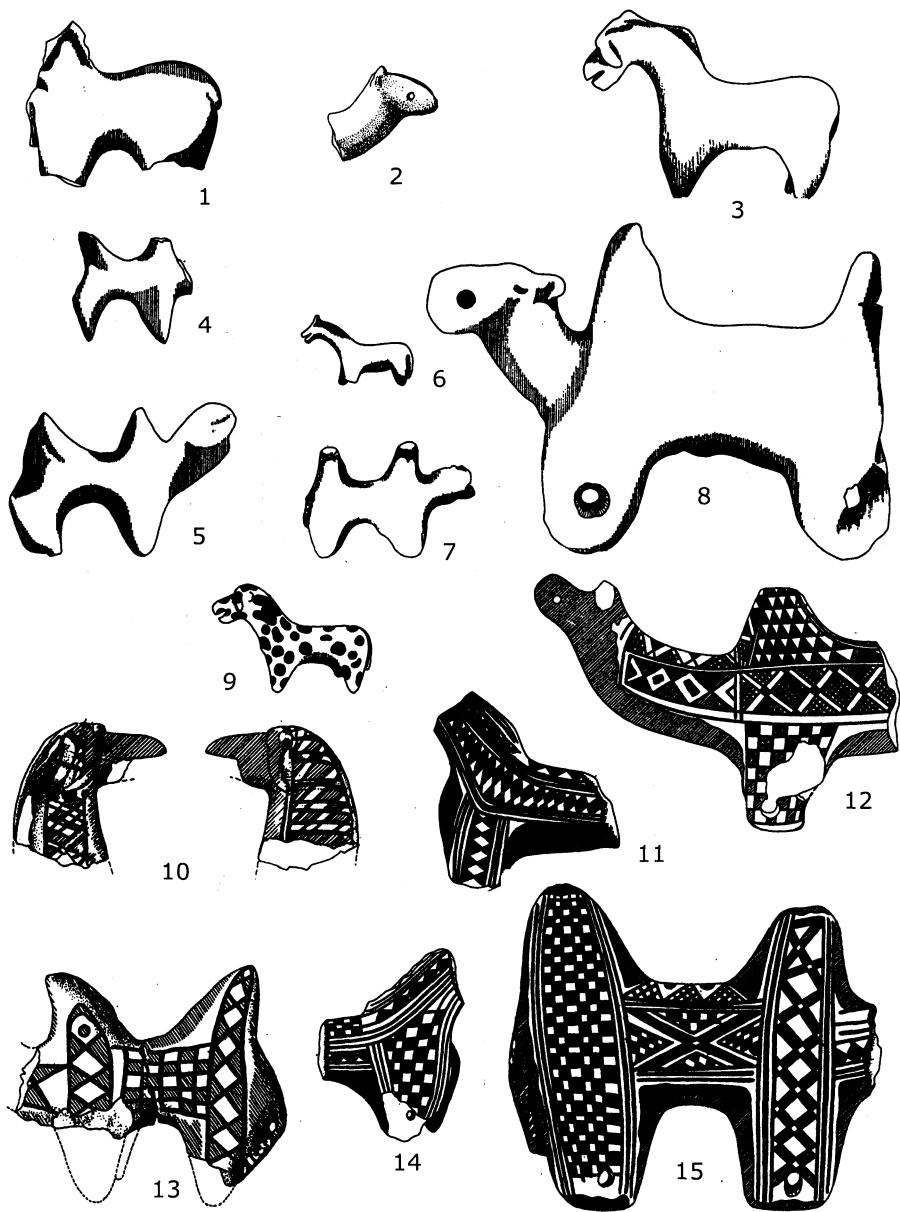


Figure 35. Clay figurines of horses and Bactrian camels in Pirak

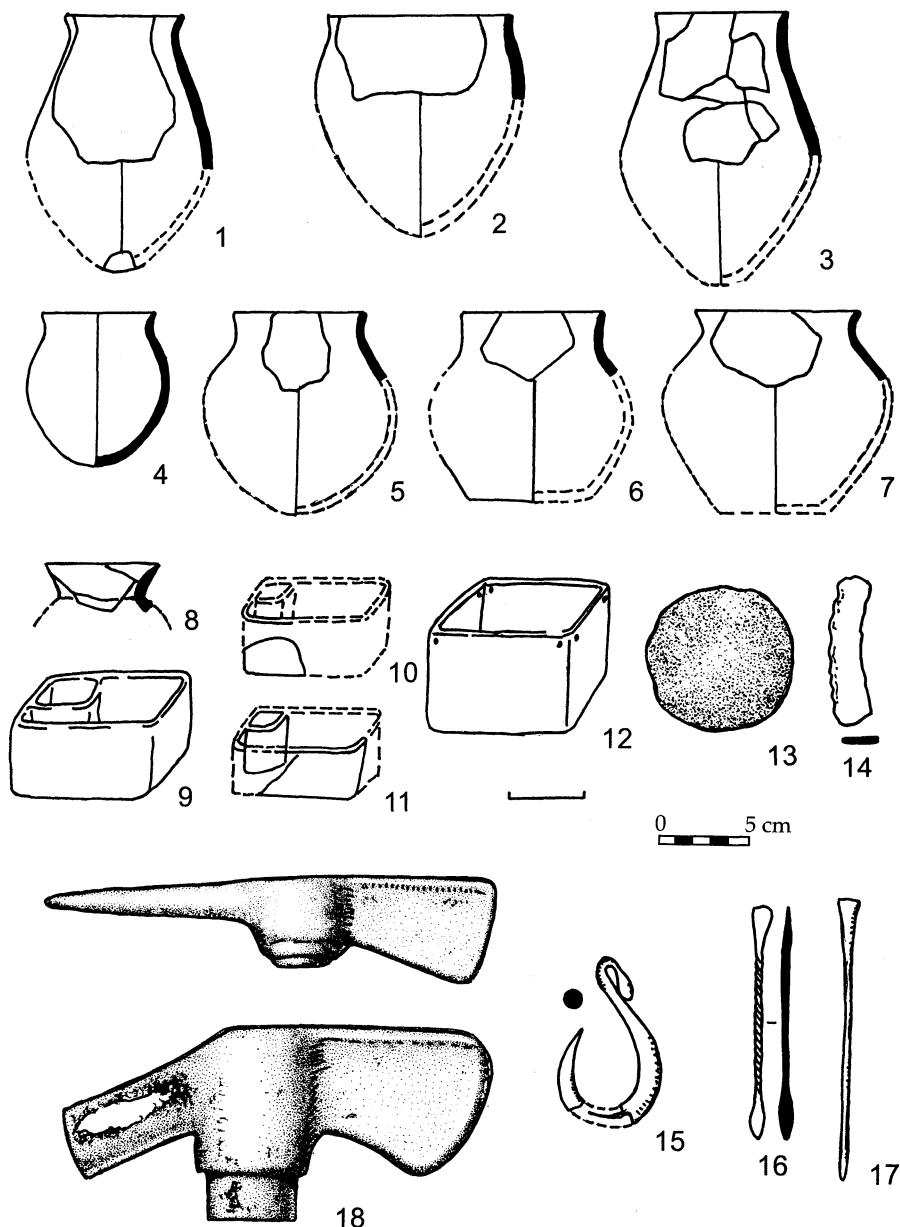


Figure 36. Complex of Zaman-Baba cemetery and Lyavlyakan hoard
 1-12—pottery; 13-17—copper artifacts; 18—castings of axe-chisel and axe-hammer from Lyavlyakan hoard

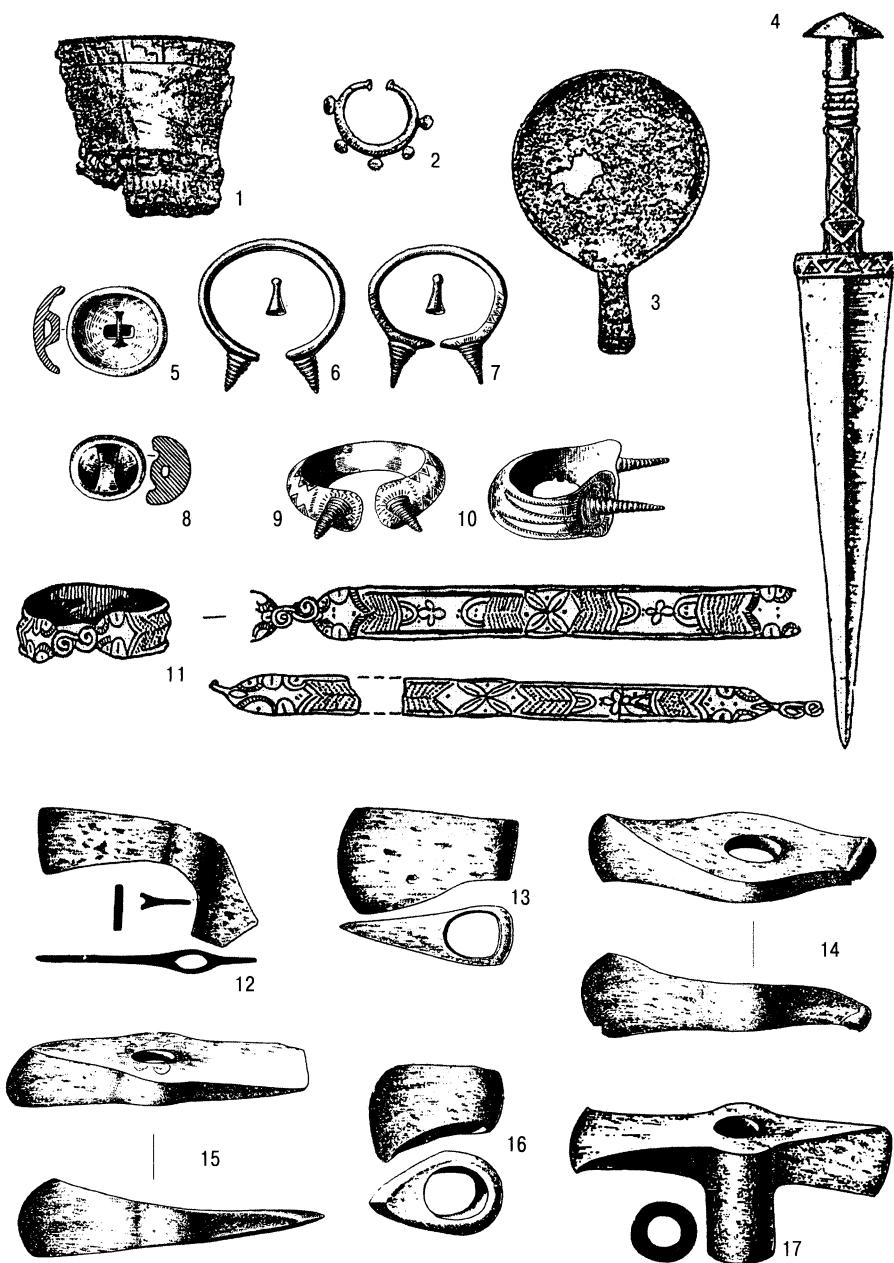


Figure 37. Metal artifacts of the Eneolithic and Bronze Age from Central Asia
 1, 2—Nurek; 3—Kara-Pichok; 4—Ramit; 5, 8—Brichmulla; 6, 7, 9—Iskander;
 10—Uzgen; 11—cemetery Parhar; 12—Pul-i Khatun; 13—Sangvor; 14—Shar-
 Shar; 15—Jori-sai, Panjikent; 16—Arakchin; 17—Daina

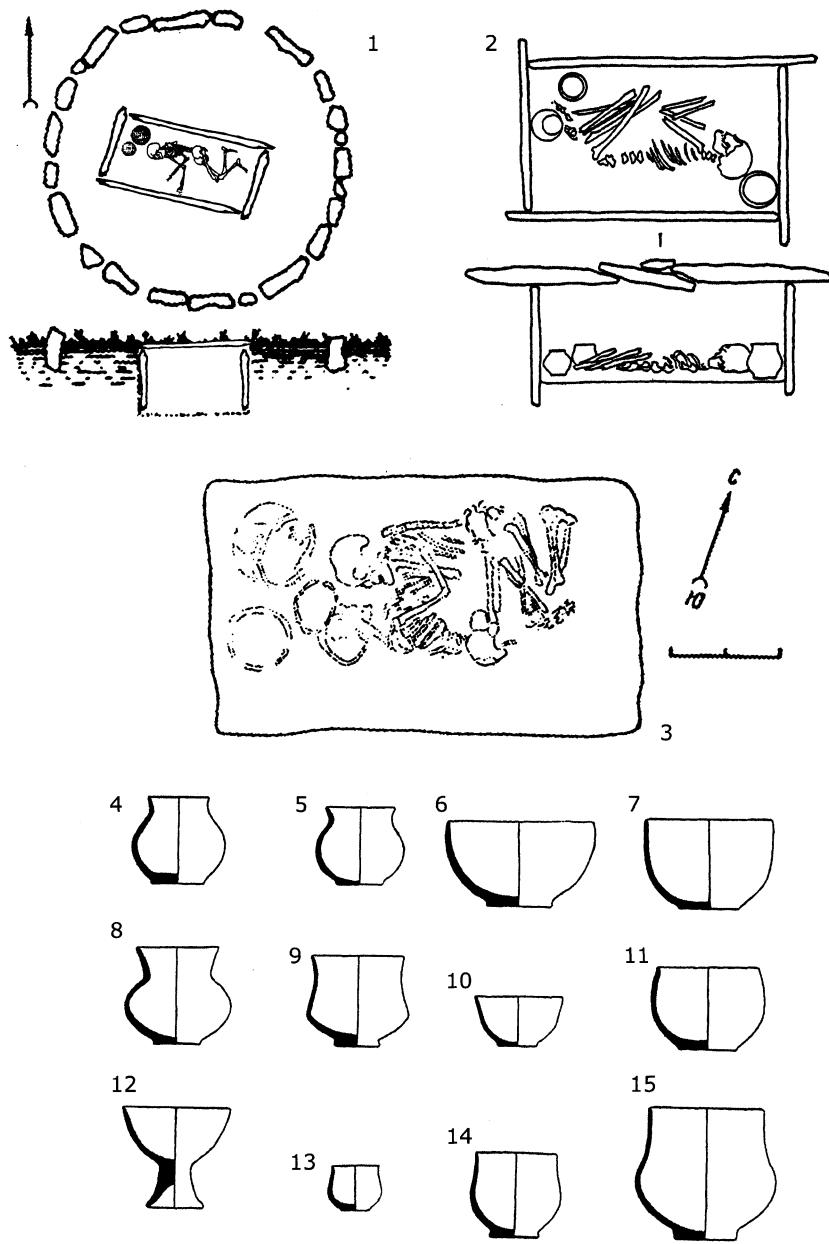


Figure 38. Andronovo-type graves and complex of grave and pottery from Kherai in Swat

1—Elenovka; 3—Baitu (the Urals); 2, 4–15—Kherai (4–15—pottery)

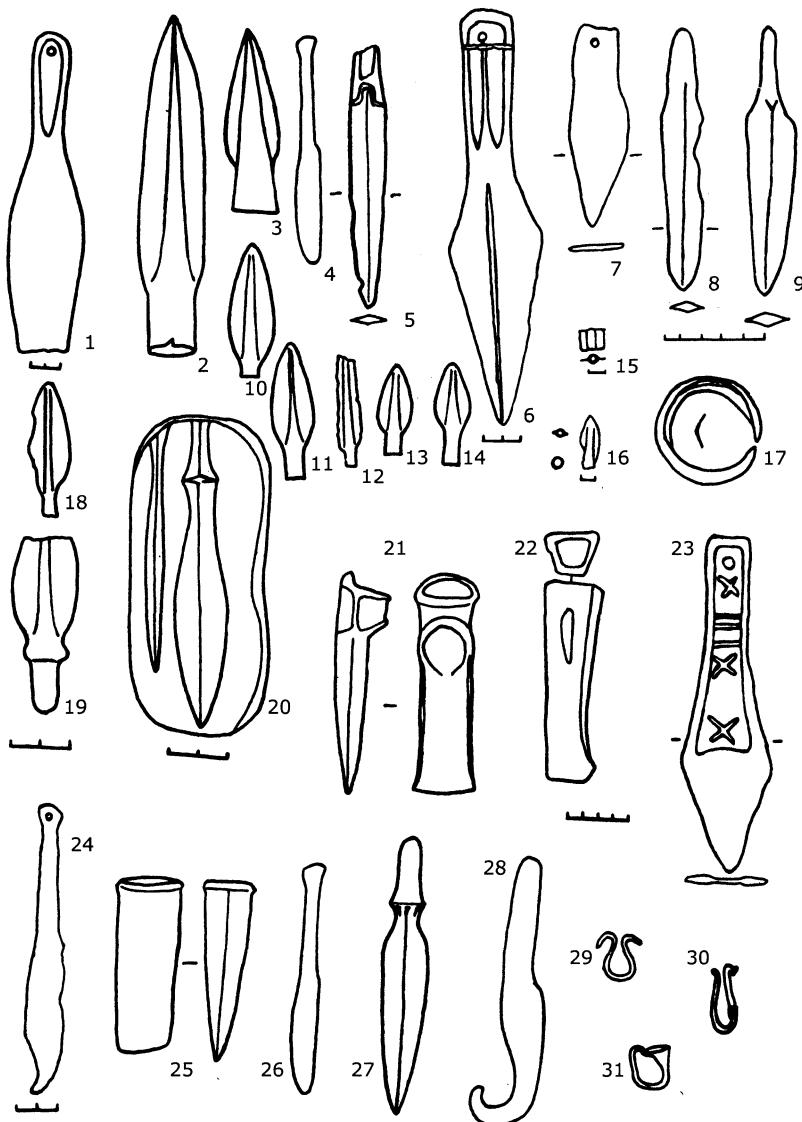


Figure 39. Andronovo-type bronze artifacts from South Central Asia and Afghanistan

Chance finds: 1—Vakhshuvor; 2—Samarkand; 3—Ashkhabad; 13—Bala-Ishem; 14—Uzbekistan; 15—well at Kuin-Kuyu; 27—Kulin-tepe; 28—Varakhsha; 29—Ar-saf-sai; 30—Tashkent oasis;

Settlements: 6—Dashly; 12—Anau, South hill; 16—Togolok 2; 17—Tahirbai 2; 19—Shortughai, IIB; 24—Namazga-depe (excavations B.A. Kuftin, 1952); 25, 31—Kangurt-tut; 26—Karim-Berdy;

Cemeteries: 4—Bishkent II, grave 1; 5—Tigrovaya Balka, barrow 7; 7–10, 18—Tulkhar (7—grave 20; 8—grave 51; 9—grave 58; 10—grave 6; 18—grave 45); 11—Nurek; 20, 21, 23—Kum-sai (20, 21—grave 4; 23—grave 1); 22—Tandyryul; (25—stone mold, others bronze)

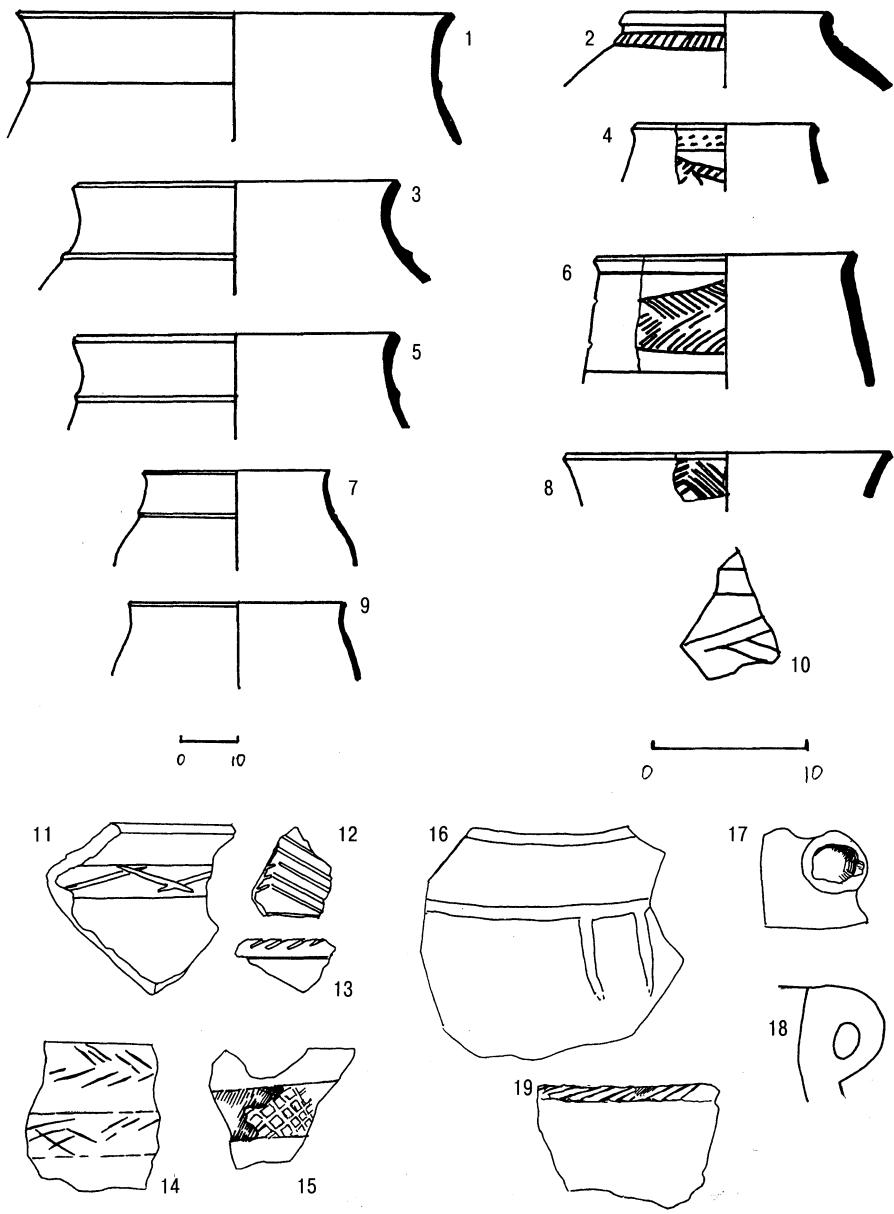


Figure 40. Late Andronovo-type pottery, including type with applied roller decoration from South Turkmenia and Afghanistan

Settlements: 1–10—Shortughai; 11–16—Elken-tepe; 17–19—Tekkem-tepe

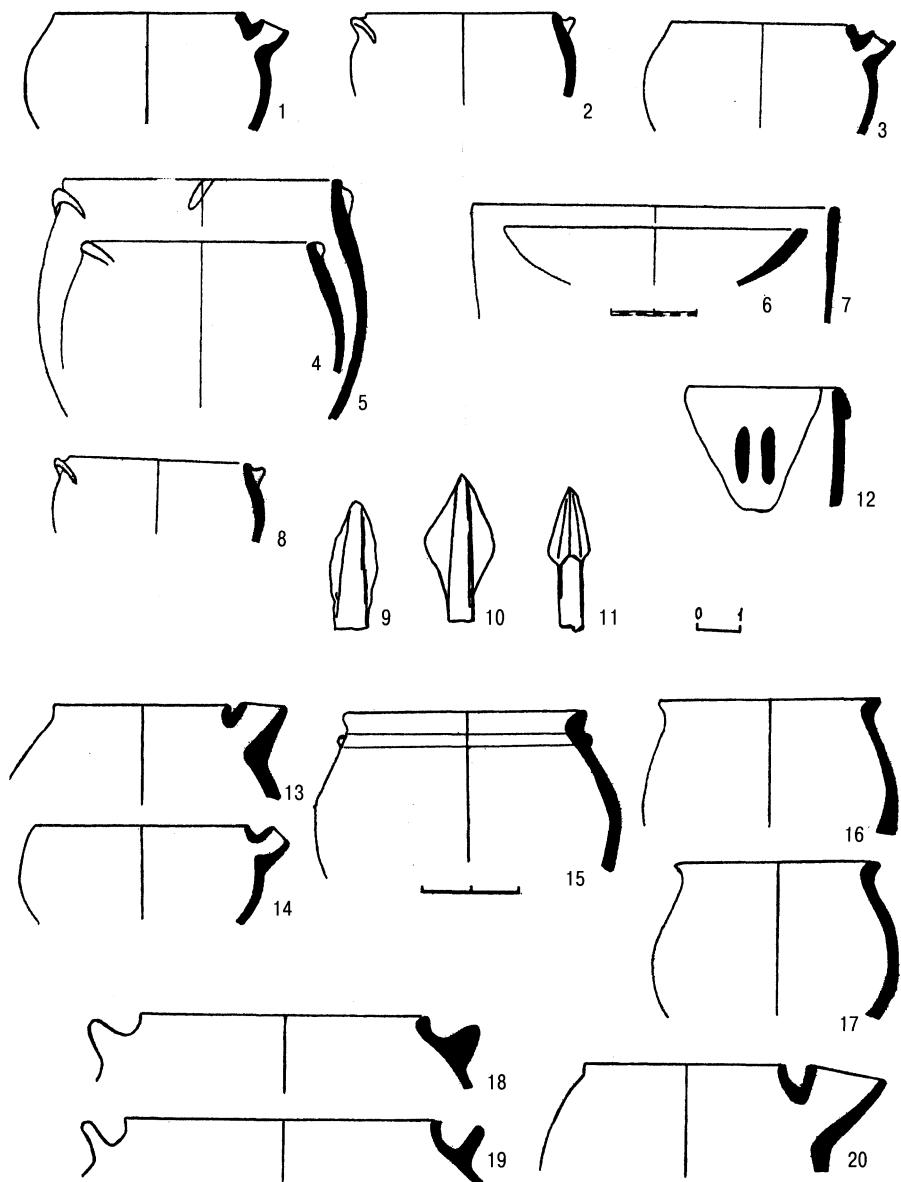


Figure 41. Arrows and pottery, including type with applied roller decoration and protuberances from Uzbekistan

Settlements: 1–12—Talashkan-tepe; 13–20—Kuchuk-tepe, level IA

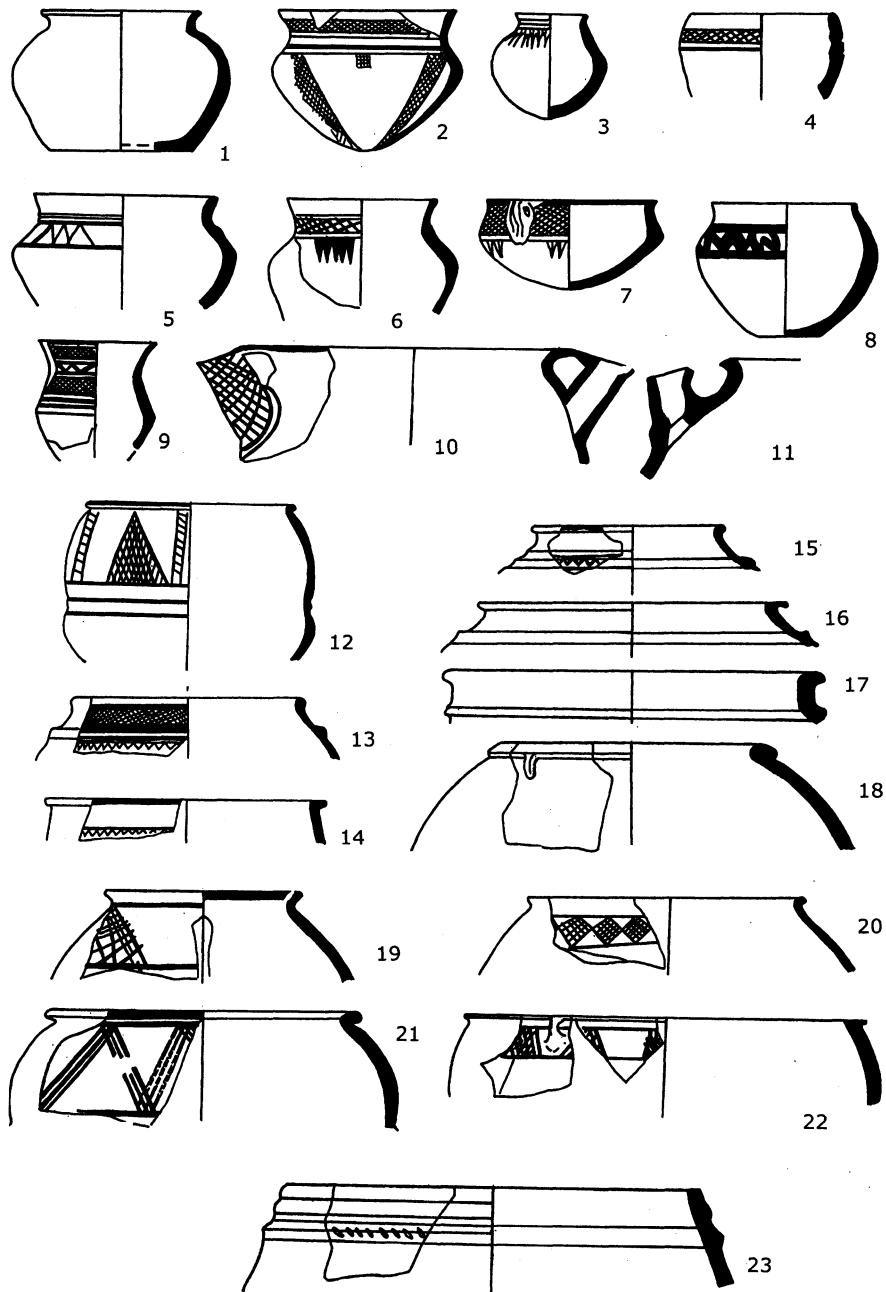
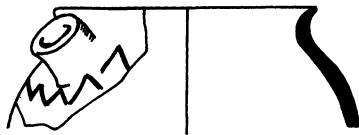
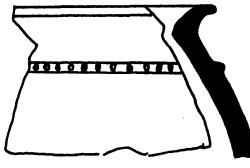


Figure 42. Pottery painted and with applied roller decoration, Mundigak settlement

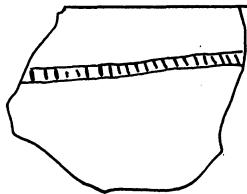
1-14—period V; 15-23—period VI



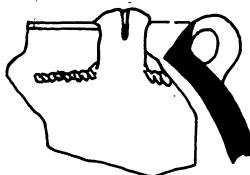
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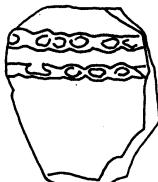
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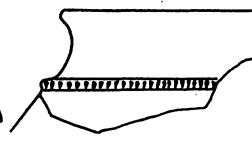
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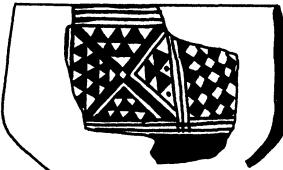
11



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13



14

Figure 43. Pottery painted and with applied roller decoration, Pirak settlement (period II)

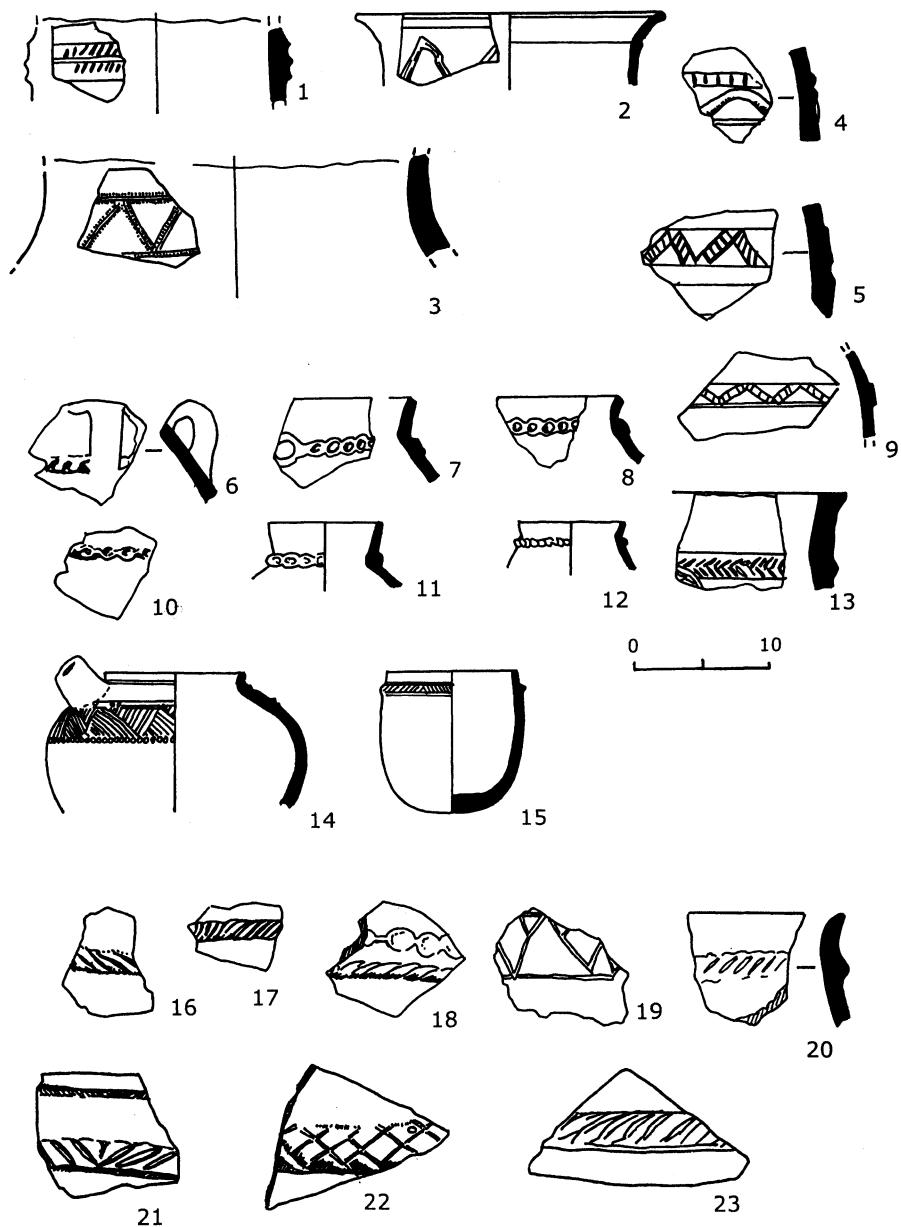


Figure 44. Pottery with applied roller decoration (appliquéd ware) from Hindu-stan and Baluchistan

1-3—Tulamba; 4, 5, 9, 13—Durrah-e-Bast ware, Makran; 6, 10, 14, 15—Pirak; 7, 8—Dur-Khan; 11, 12—Patani Damb; 20—Rana-Ghundai, surface; 21-23—Mehul-Kala

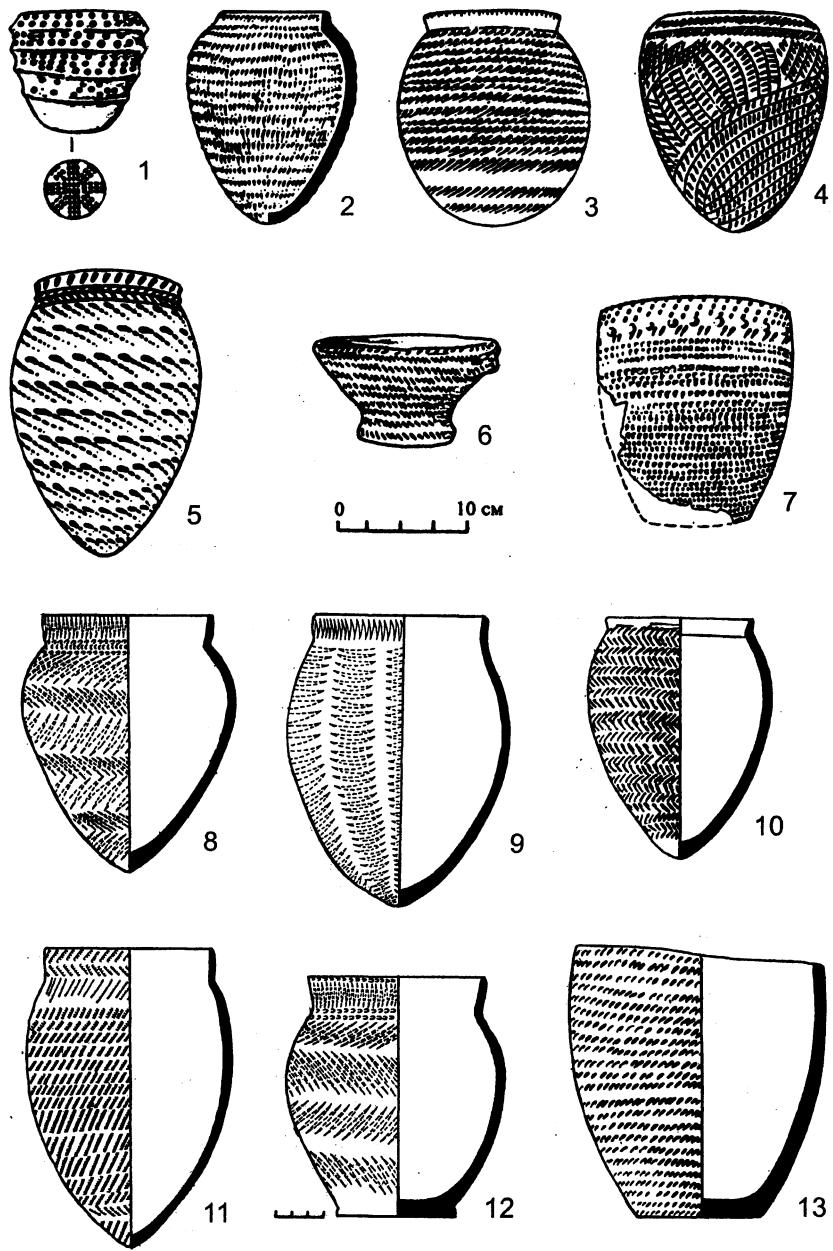


Figure 45. Afanasievo Culture pottery

Cemeteries: 1–7—Afanas'eva Gora; 8, 9, 13—Nizhnii Tumechin; 10, 11—Barsuchikha IV; 12—Kuyum

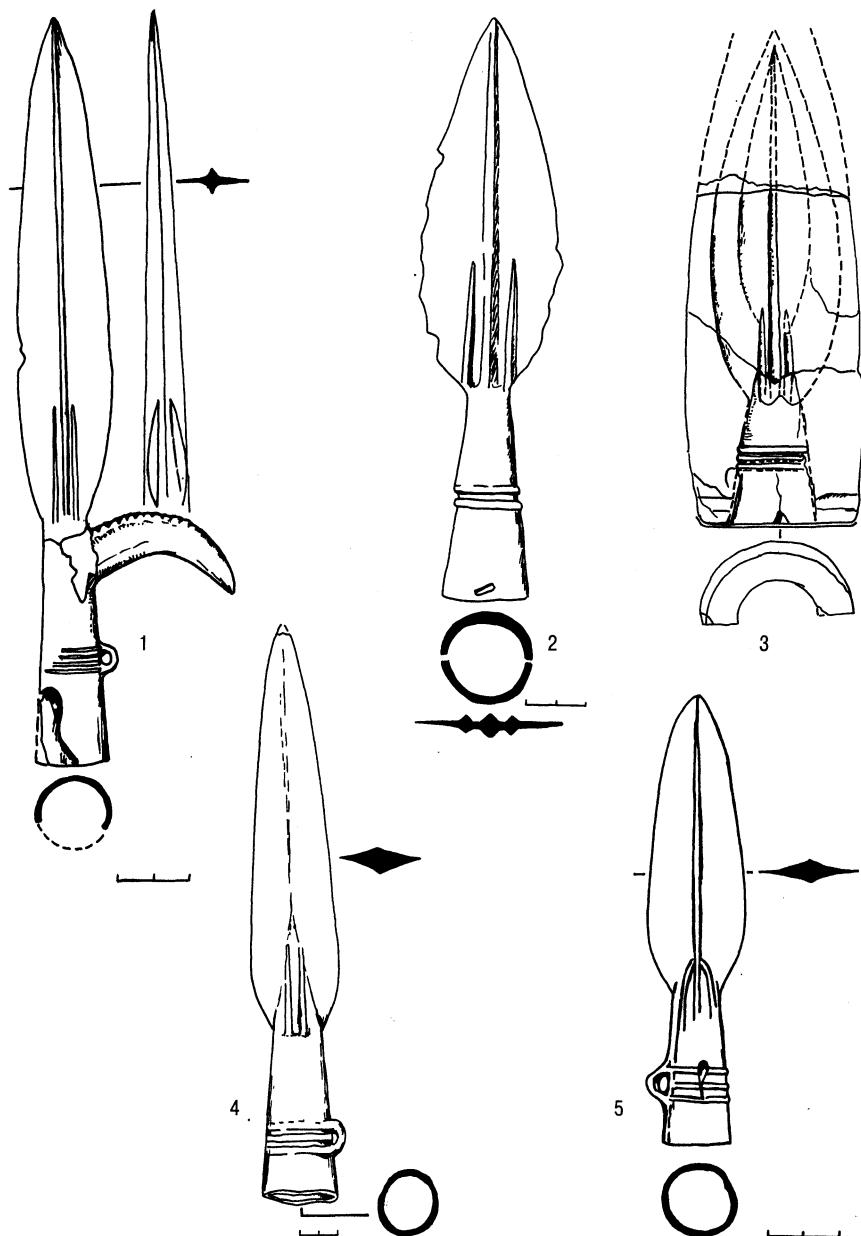


Figure 46. Spears from the Altai
 Chance finds: 1—Charysh; 2—Souzga; 4—Parfenovo; 5—Burla;
 3—Kalantyr' settlement (stone mold)

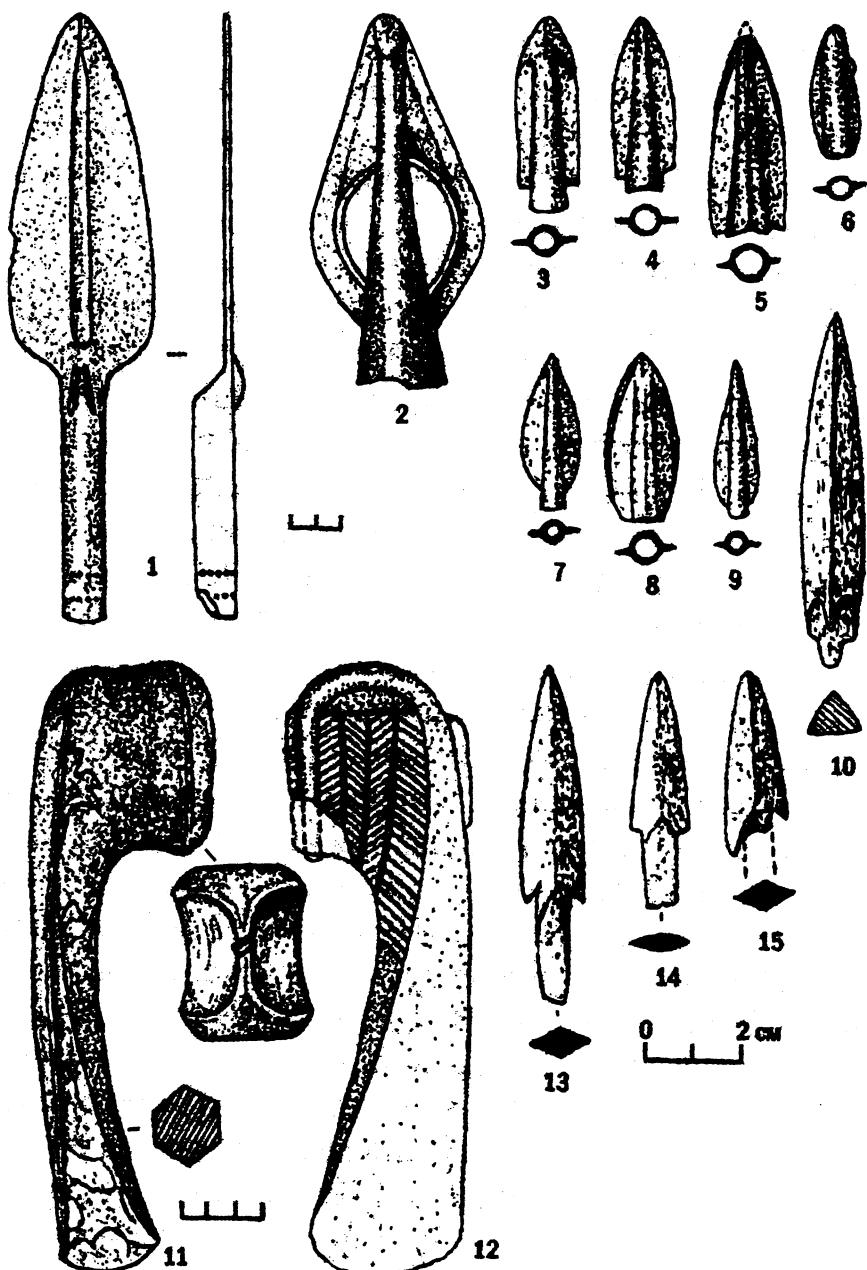


Figure 47. Alekseevka-type armament from the Altai (after Ivanov 2005, fig. 1) Settlements: 1—Kureika; 2—Bukanskoe; 10—Sovetskii Put'; 11—Krestyan-skoe; 13–15—Rublevo VI; others chance finds

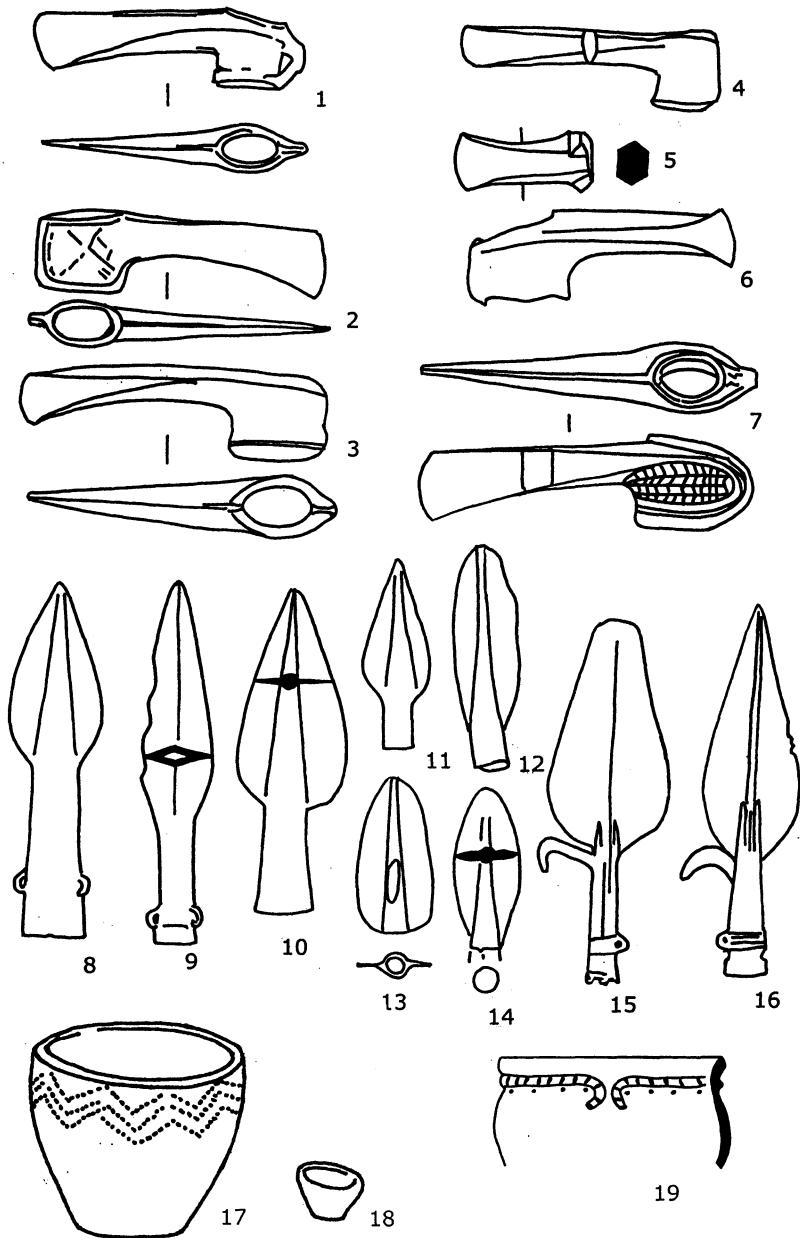


Figure 48. Bronze armament and pottery from Siberia, Xinjiang, and Mongolia
 1—Urlapovo; 2—Shemonaikha; 3—Krestyanskoe; 4, 6 – Guchung [Qitai]; 5,
 7—Chöchäk [Tacheng]; 8–10—China, Shang graves; 11—Krorän [Loulan]; 12—
 Gül Bagh [Huayuanzi]; 13—Yanbulaq; 14—Qaraüzhmä [Qurangzima]; 15—
 Shenna, Qinghai; 16—Rostovka; 17, 18—Weisuo necropolis, Tacheng; 19—Uluz
 Verkhnekilgantui, grave 43 (Mongolia)

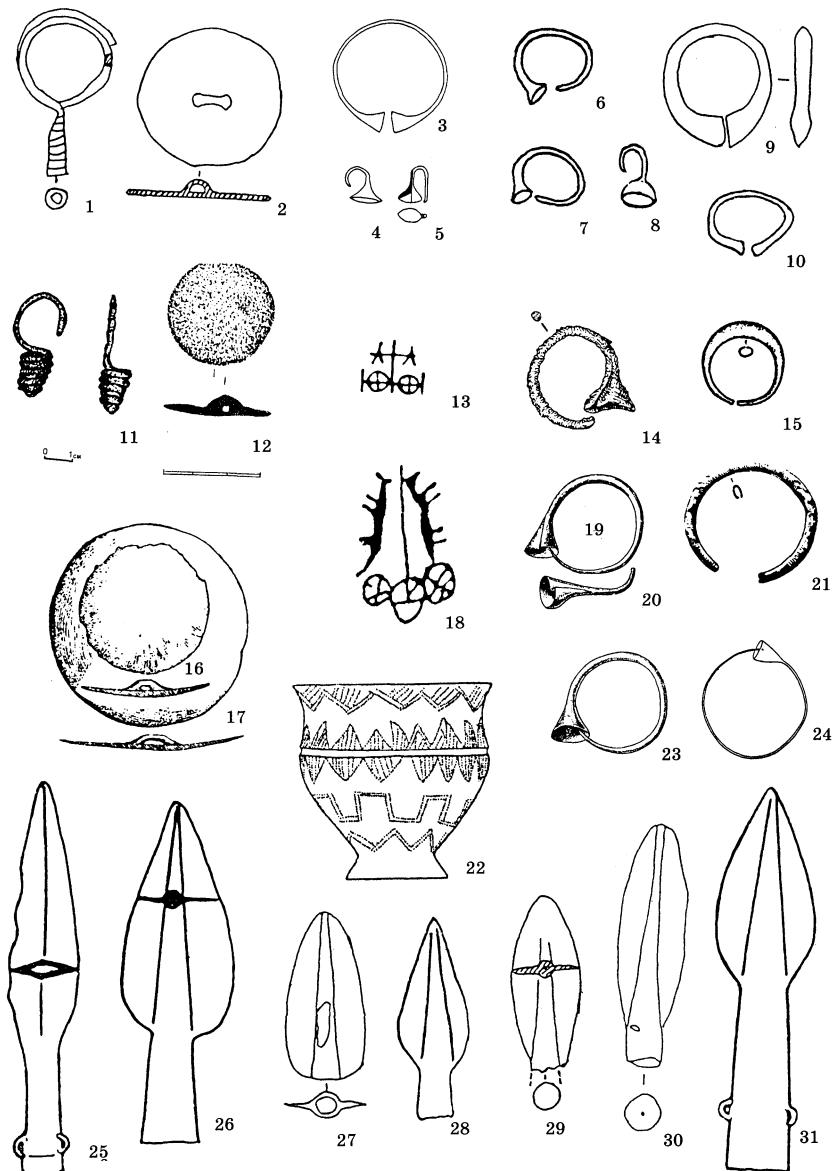


Figure 49. Andronovo pot, petroglyph, ornaments, and armament from Xinjiang, China, Ferghana, and Semirechye

1, 2, 9, 27—Yanbulaq; 3—Gansu; 4, 8, 10—Liu{j}iahai; 5—Xiajiadian; 6, 7—Dun Bei; 11—Tamgaly; 12, 14—Kul'sai; 13—the Chinese character for chariot; 15, 21—Begazy; 16, 17—Shamshi hoard; 18—petroglyph at Ge'er Huobadeheshan (the Pamirs); 19, 20, 23—Tash-Tyube II; 22—Saz [Tacheng]; 24—Vuadil'; 25, 26, 31—Shang graves in China; 28—Loulan; 29—Qaraüzhmä [Qurangzima]; 30—Gül Bagh [Huayuanzi]

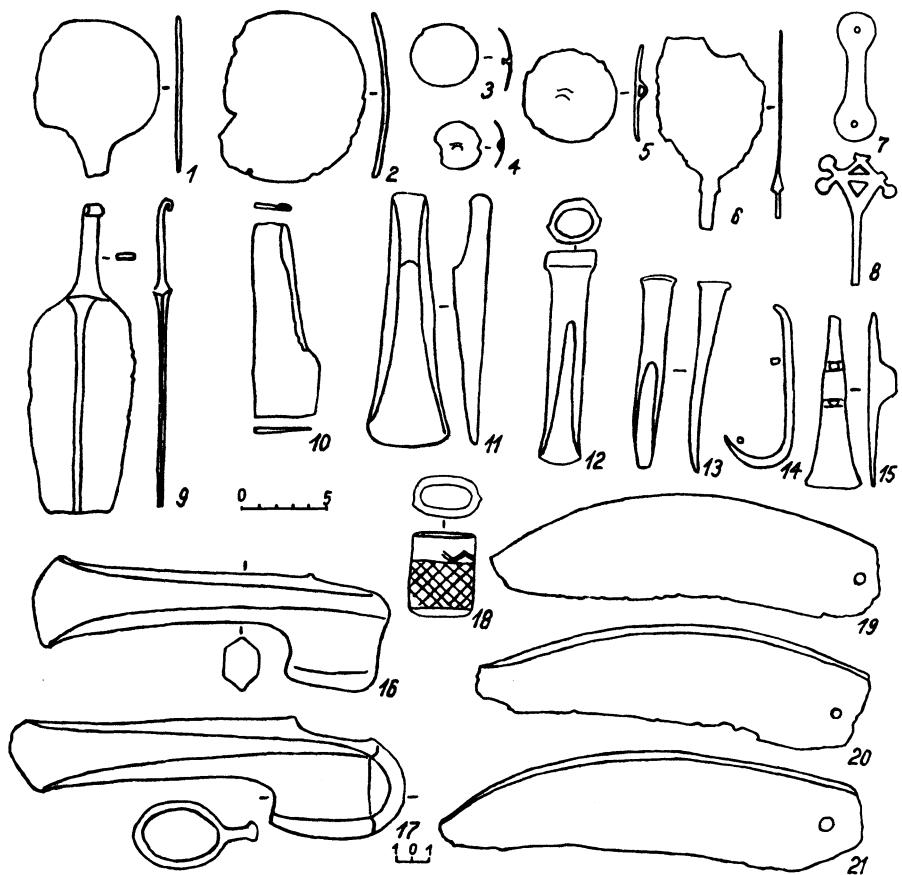


Figure 50. Shamshi hoard (bronze)

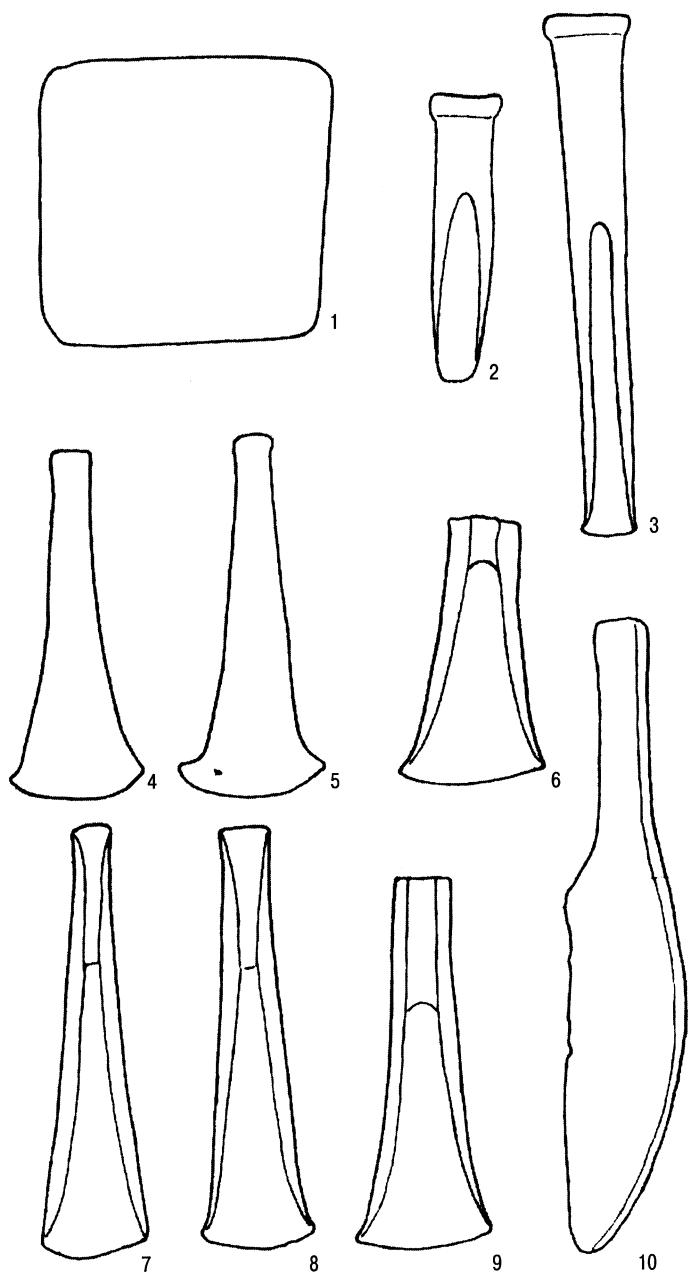


Figure 51. Tuyuq hoard (bronze)

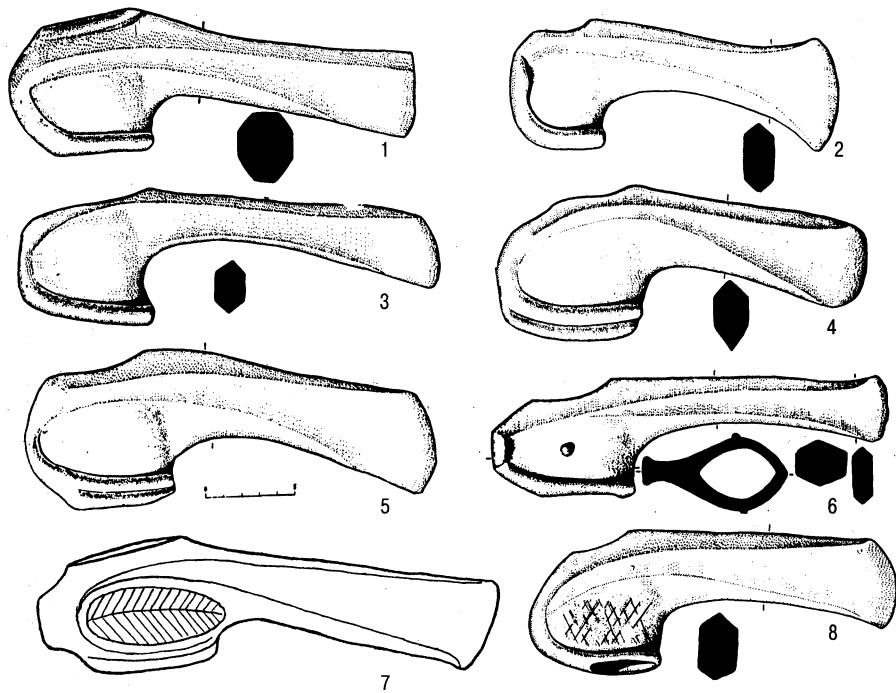


Figure 52. Andronovo-type axes from Kirghizstan, Ferghana, and Xinjiang
 Chance finds: 1—Novo-Pavlovka; 2—Ivanovka; 3—Kairakkum settlement
 (molding);
 Hoards: 4, 5, 8—Sukuluk; 6—Issyk-kul'; 7—Agharsin

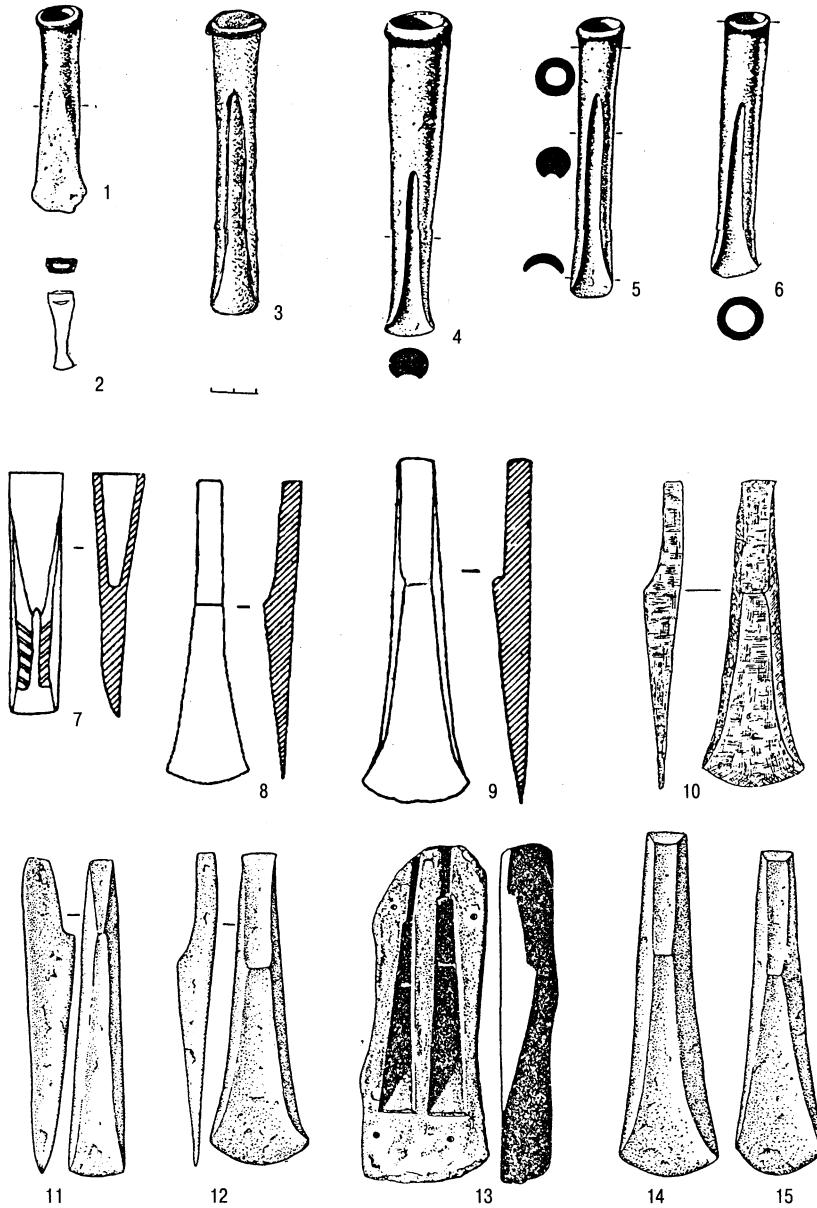


Figure 53. Bronze chisels and gauges from Semirechye, Ferghana, and Xinjiang
Chance finds: 1, 15—Bishkek; 7—Ili; 8—Ürümchi; 11—Karakol; 13—Aleksandrovka (stone mold);

Hoards: 2, 3, 10—Agharsin (after photograph of An Zhimin 1998: 3); 5, 14—Sadovoe; 6, 12—Sukuluk; 9—Tuyuq; 4—Dalverzin settlement

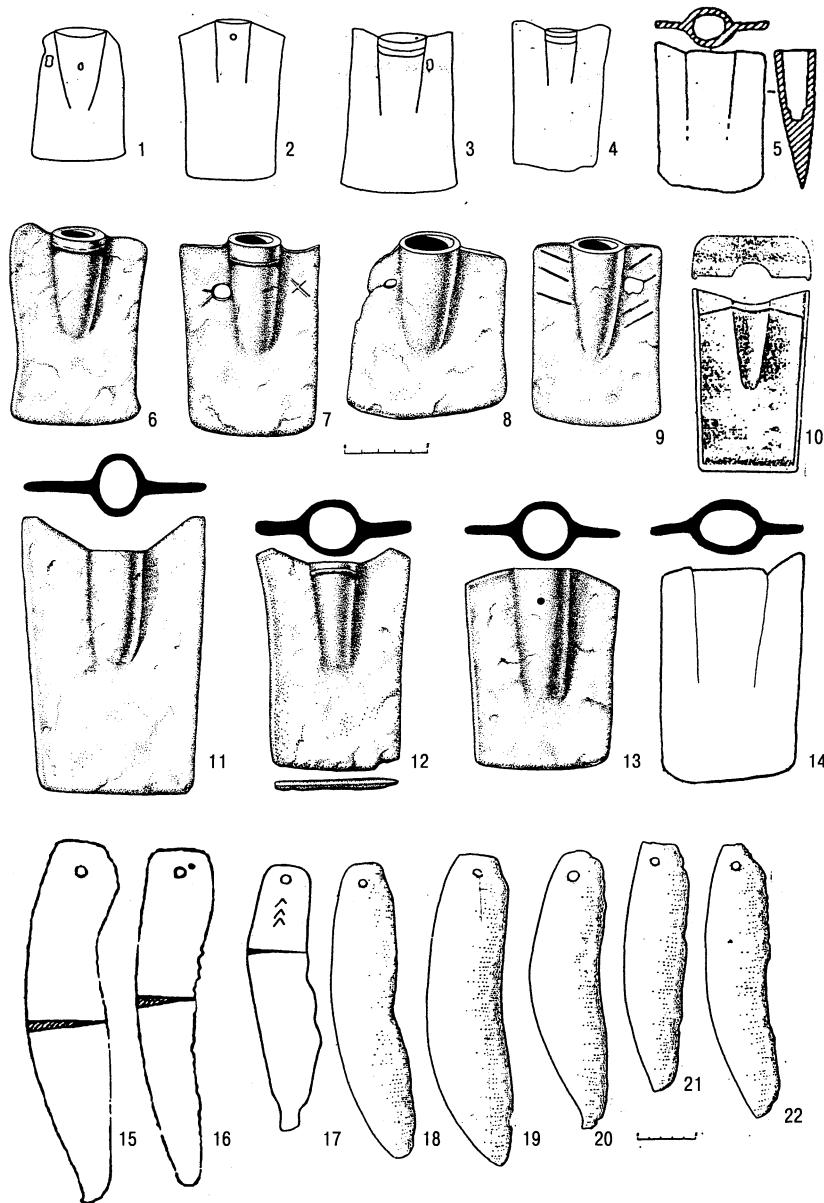


Figure 54. Bronze celt-spades and sickles from Asian Steppes and Xinjiang
 1, 3—Kurchum; 2—Central Asia; 4, 6—Novopavlovka; 5—Ürümchi; 7—Bishkek; 8—Kant; 9—Ivanovka; 10—Samus' IV settlement (stone mold); 11—Tyup; 12—Ringitam'; 13—upper Syr Darya; 14—16—Chöchäk [Tacheng]; 17—Agharsin; 18, 19, 21, 22—Chu river canal; 20—Ivanovka



Figure 55. Bronze celt-spades and celts from China, Xinjiang, Ferghana, Semirechye, and Siberia

1-3, 7—Shang graves, China: 1—Xing'an; 2, 3—Fu Hao tomb; 7—Baxikongcun;

Chance finds: 4—Chöchäk [Tacheng]; 5—Lebedinovka; 6—Dzhappa; 8—Usinskoe; 9—Ozernoe; 10—Keremchi; 11—Qumul [Hami]; 16—Yengidala [Xintala]; Hoards: 12, 14—Sadovoe; 13—Agharsin; 15—Zhukaigou site, period 5

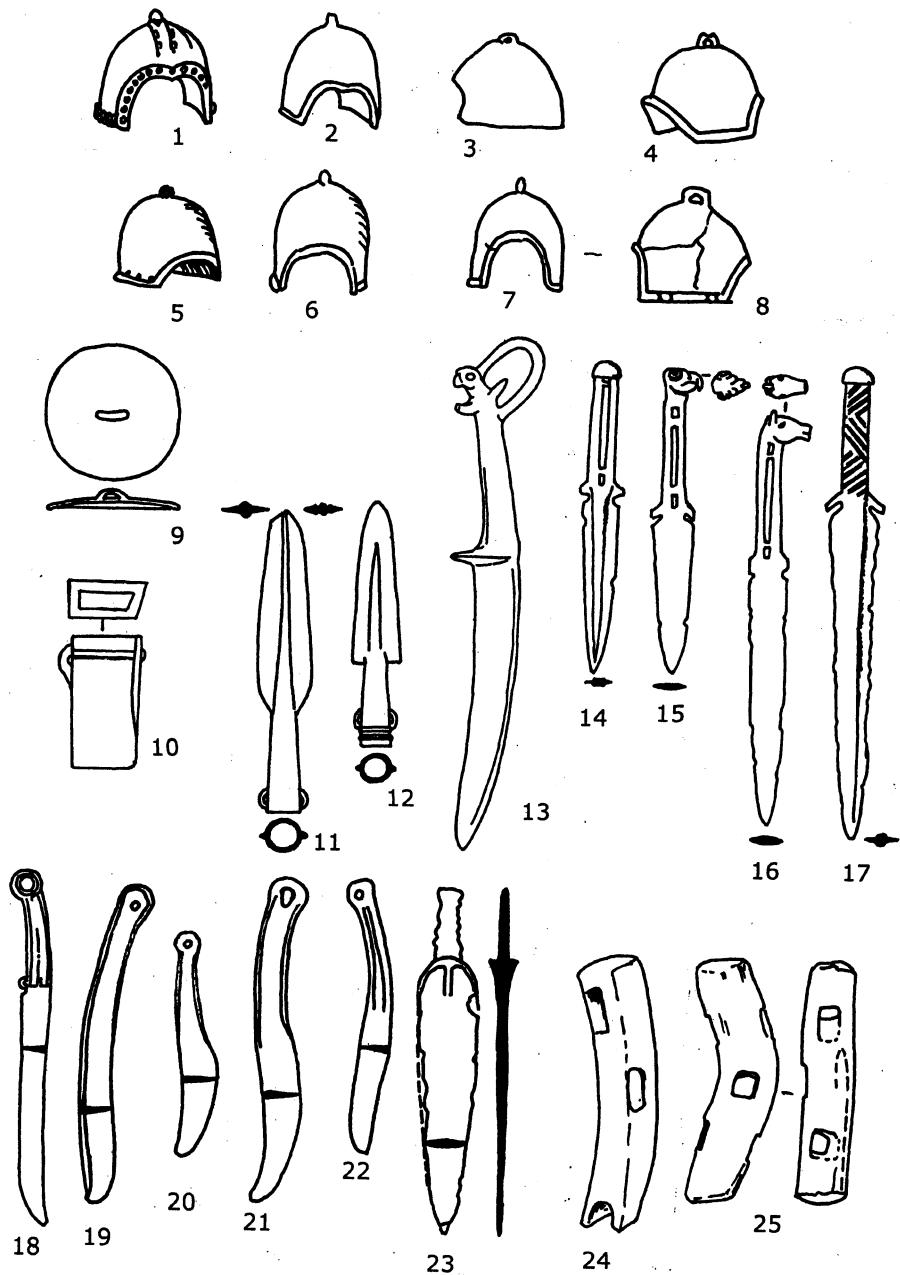


Figure 56. Bronze helmets, mirror, knives, daggers, and bone cheek-pieces from China and northern provinces

1-8—China; 9, 19-23—cemetery at Tianshanbelu; 10-12, 14-17—Baifu, near Beijing; 13—Fu Hao tomb; 18—Zhukaigou, phase V; 24, 25—Xincun

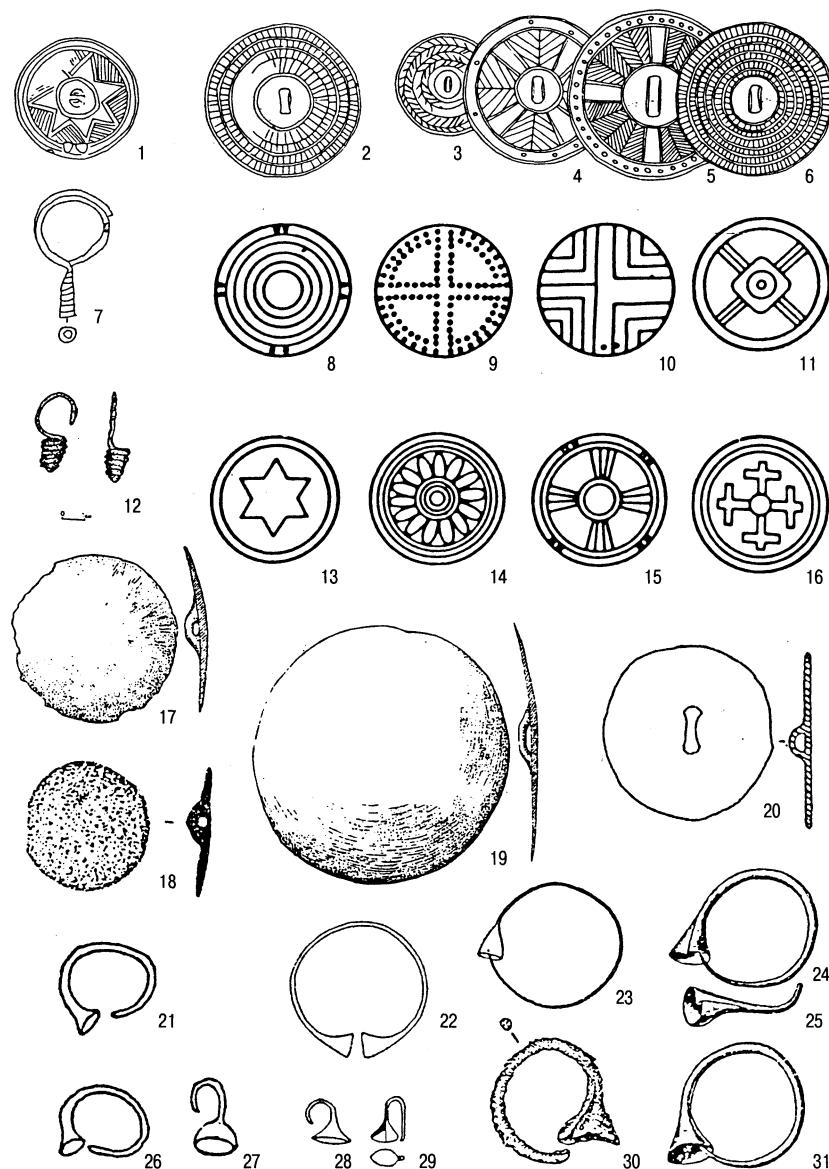


Figure 57. Mirrors, plates, earrings, and temple-rings from Asian Steppes, Xinjiang, Inner Mongolia, and China

1—Inner Mongolia; 2—Naimaitai, Qinghai; 3—6—grave of Fu Hao; 7, 20—Yanbulaq; 21, 26—Dunbei; 22—Gansu; 27, 28—Liujiahai; 29—Xiajiadian; Andronovo cemeteries: 8—Tasty-butak; 9, 10—Borovoe; 11, 16—Bylkyldak I; 12—Tamgaly; 13—Bylkyldak III; 14—Alakul; 15—Alekseevka; 18, 30—Kul'sai; 17, 19—Shamshi hoard; 23—Vuadil'; 24, 25, 31—Tash-Tyube II; (bronze, bronze covered with sheet gold)

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