

故宮青銅兵器圖錄

Illustrated Catalogue of Ancient Bronze
Weaponry in the National Palace Museum



故宮青銅兵器圖錄

Illustrated Catalogue of Ancient Bronze
Weaponry in the National Palace Museum



國立故宮博物院
National Palace Museum

統一編號

020018840042

版權所有

中華民國八十四年元月初版一刷

中華民國新聞局登記證局版臺業字第2621號

故宮青銅兵器圖錄

發行人：秦 孝 儀
編輯者：國立故宮博物院編輯委員會
作者：陳 芳 妹
美術編輯：黃 秀 碧
攝影：林 傑 人
英文翻譯：明 涓
拓片：張 銀 武
出版者：國立故宮博物院
中華民國台北市士林區外雙溪
電話：(02)8812021—4
電傳：(02)8821440
郵撥帳戶：0012874—1
印刷者：裕台公司中華印刷廠
台北縣新店市寶強路6號
電話：(02)9110111—6

Copyright © 1995 by the National Palace Museum

First printing, January 1995

Illustrated Catalogue of Ancient Bronze Weaponry in the National Palace Museum

PUBLISHER: NATIONAL PALACE MUSEUM

Wai-shuang-hsi, Shih-lin, Taipei 111, Taiwan
Republic of China
TEL: 886-2-8812021 FAX: 886-2-8821440

PRINTER: China Art Printing Works Yu-Tai Industrial Corp., Ltd.
6, Pao-chiang Rd., Hsintien 231, Taipei Taiwan
Republic of China
TEL: 886-2-9110111

ISBN 957-562-199-9



序

左傳曰：「國之大事，在祀與戎。」戎之爲用，特所以衛社稷，闢土宇，壹以服敵禦寇焉。故器械不精，不可以言兵，而器械多端，譬之斧用以伐，斤用以斫，劍用以劈，戈戟用以刺，矢鏃用以射……剛柔之妙，或且繞指，或且摧堅。至於斧斤之所以不同於戈戟，戈戟之所以不同於矢鏃，實繫乎鑠金之劑之或多或少。先民冶金，至青銅而能事畢矣。顧兵器亦非止用於相砍而已，上至於王侯，下及於豪俠，晉接投贈，可謂兼具禮讓威儀，季札掛劍，世以爲美談。而兵器雕鏤攻錯，心智所靡，正不亞於鼎彝重器。至若需求多方，產地廣袤，又遠非禮器所能方駕。春秋名物，若鄭之刀、宋之斤、魯之削、吳越之劍，今之視昔，非徒材美工巧，要攸關乎一代之天時，一境之地利，一方之才智，推而廣之，戎政制度，戰陣攻取，名物相證而外，以至於藝術之風格，文化之變遷，科學之技法，雖云淺淺一物，實鑿鑿在其中矣。

宮廷夙以爲兵者兇器，以是故宮度藏商周青銅兵刃實少，博學如孔子尚謂：「胡簋之事嘗學之矣，甲兵之事未之聞也。」此種古兵器學術之研究，不正有待於今日之闡揚乎？本院器物處副研究員陳芳妹女士，以院藏兵器爲範疇，本其專長，參證近日考古發掘、援引科學測度，爬梳條貫，重爲編次，遂成商周青銅兵器研究一篇，斯則藉新知以發舊學之幽潛者也。顧其成書，亦實出衆力，如倫琴放射線攝影出楊源泉編纂，成色分析出余敦平助理研究員，圖版攝影出林傑人技正，美術編輯出黃秀碧女士，英文翻譯出明涓女士、徐臻浩先生，拓片傳摹出張銀武先生，庫藏提取出朱仁星副研究員、朱林澤先生，皆有足多，特識於此，以誌不忘其辛勤云。

中華民國八十三年履端之吉。衡山秦孝儀序。



Preface

According to the *Tso Chuan*, a commentary on the Spring and Autumn Annals, "the most important affairs of the State are sacrifice and warfare." The function of warfare was to defend one's kingdom and enlarge its territory through a combination of aggressive expansion and strong defense. Hence, if one's weapons were not well-made, one would have no military strength. There were a great variety of weapons, each with different functions, for example: the *fu* axe, used for truncating; the *chin* axe, used for chopping; swords, used for slicing; the dagger-axe and the halberd, used for piercing, and arrows, used in archery. Some weapons were ingeniously strong, able to destroy armor; others were subtly pliable, able to be wound around one's finger. It is the proportion of metals used in fusing the alloys that accounts for differences in hardness or strength between weapons such as axes and dagger-axes, halberds and arrows. In ancient metallurgy, bronze casting techniques were highly perfected. Amongst the aristocracy weapons were not only used for battle, but they also had ritual functions in matters of decorum and regalia as well. Weapons served as ceremonial gifts, as when Chi Cha placed his sword on his friend's grave as a final gift, an exemplary deed of the age. In fact, in ancient times the forging and engraving of weapons was not secondary in importance to the manufacture of sacrificial vessels. Weapons were also more versatile and widespread than ritual vessels. Looking back at well-known products of the Spring and Autumn period, such as knives of the state of Chen, *chin* axes of Sung, *hsüeh* knives of Lu, and swords of Wu and Yüeh, we find that the materials used are beautiful and the techniques employed are masterful, manifesting the geographical advantages of their respective kingdoms and the energy of their craftsmen. Furthermore, such artifacts can document the military and political systems of the time, along with the methods of warfare. Finally, although these objects are often overlooked by art historians, they are implicitly connected to developments in artistic style, technology, and material culture.

Weapons were traditionally thought of as menacing, ominous objects. As a result, the National Palace Museum's collection contains very few ancient bronze weapons. Even such an erudite man as Confucius said, "I once studied ceremonial vessels, but I have never heard of studying armor and weapons." Why has the research of ancient weapons had to wait until today to be advanced? Ch'en Fang-mei, an Associate Research Fellow in the Antiquities Department of the Museum, has used modern methods to go beyond the vague scholarship of the past. Consulting recent archaeological excavations and employing scientific analysis, she has expertly and systematically re-organized the objects in the museum's collection. Her work has led to this volume on ancient bronze weapons. This book has been completed through the industry of many people whose efforts should not be forgotten. I would like to thank X-ray photographer Yang Yüan-ch'üan, chemical analyst Yu Teng-ping, plate photographer Lin Chieh-jen, artistic designer Huang Hsiu-pi, English translators Natasha Pierce, Hsü Chen-hao and Antonio C.Tavares, rubbings expert Chang Yin-wu, and storage technicians Chu Jen-huang and Chu Lin-tse.

November 1994

Ch'in Hsiao-yi
Director of the National Palace Museum

總 目 錄

序	3
彩色圖版目錄	8
黑白附圖目錄	14
文章目錄	21
商周青銅兵器發展的主要趨勢—— 商周青銅兵器研究之一	25
彩色圖版	127
主要引用書目	232
附錄：故宮所藏殷至周初的異形兵器及其所反映的文化關係 問題—— 商周青銅兵器研究之二	241



TABLE OF CONTENTS

Preface	5
List of Plates	10
List of Figures	17
Outline	23
Major Lines of Development in Shang and Chou Dynasty Bronze Weapons: Bronze Weapons of the Shang and Chou Dynasties, Part I	25
Plates	127
Bibliography	232
Appendix: The Palace Museum Collection of Alien-style Weapons from the Late Shang to Early Chou Dynasties and Intercultural Relations in Early China: Bronze Weapons of the Shang and Chou Dynasties, Part II	241



彩色圖版目錄

圖版壹	有欄無胡直內戈	雨一一七六5	商後期	128
圖版貳	三角援登內戈	金一二八一3	商後期	130
圖版叁	玉援銅曲內戈	台購08404	商後期	132
圖版肆	曲柄鈴首短劍	麗七七五1	商後期	134
圖版伍	曲背鈴首彎刀	金一二八一5	商後期	136
圖版陸	獸面紋鉞	臺購08485	商後期	138
圖版柒	獸面紋管登鉞	雨八七二	商末或周初	140
圖版捌	雲雷紋管登鉞	崑二二五9	商末或周初	142
圖版玖	管登斧鉞	金一二八一1	商末或周初	144
圖版拾	三孔卷雲狹刃半圓形管登鉞	雨八七三	商末或周初	146
圖版拾壹	七孔半圓形刃管登鉞	崑二一九	商末或周初	150
圖版拾貳	蟬紋弓形器	J.W.135-31	商末或周初	152
圖版拾叁	素弓形器	雨八七六	商末或周初	153
圖版拾肆	人獸紋弓形器	雨一一七六6	商末或周初	154
圖版拾伍	乳丁紋弓形器	J.W.2050	商末或周初	156
圖版拾陸	成周戈	J.W.144-31	西周早、中期	158
圖版拾柒	三角援無胡有穿戈	麗七七三	西周早期	160
圖版拾捌	吐舌夔紋戈	臺購08486	西周早期	162
圖版拾玖	夔紋戈	臺購08487	西周早期	164
圖版貳拾	侯戟	J.W.142-31	西周早中期	166
圖版貳壹	乳丁紋有登刀(一)(二)	鹹二四七11	商末或周初	168
圖版貳貳	三穿戈	臺購08471	春秋中期	172
圖版貳叁	三穿戈	麗七八七	春秋晚期	174

圖版貳肆	三穿戈 金一二八一7 春秋晚期	176
圖版貳伍	蔡侯產(?)之用戈 J.W.106-32 蔡侯產(?) (西元前471-457)	178
圖版貳陸	蔡公子從之用戈 臺購08488 春秋晚期	184
圖版貳柒	絢紋釜內戈 臺購08470 戰國	190
圖版貳捌	四穿戈 國贈25296 戰國	192
圖版貳玖	長胡內刃戈 金一二八一4 戰國中晚期	194
圖版叁拾	鳥戈與鐔 J.W.105-32 戰國	196
圖版叁壹	鳥獸紋釜內戈 臺購08551 戰國	198
圖版叁貳	玄鏐戈 臺購08603 戰國	202
圖版叁叁	雲雷紋劍 臺購08490 戰國	204
圖版叁肆	有首雙箍有格劍 臺購08491 戰國	205
圖版叁伍	無首劍 兩八七四 春秋晚期-戰國	206
圖版叁陸	「奇字」劍 J.W.108-32 戰國	208
圖版叁柒	越王州勾自作用劍 J.W.107-32 越王州勾 (西元前448-441)	212
圖版叁捌	鑲嵌松綠石劍 傳江西 戰國	214
圖版叁玖	鏤空蟠虺紋柄短劍 台購08427 春秋中晚期-戰國	216
圖版肆拾	雙環柄首短劍 金一二八一8 春秋晚期-戰國中期	218
圖版肆壹	環首短劍 麗七七五之二 戰國	220
圖版肆貳	鐵刃銅柄劍 臺購08577 戰國-漢	222
圖版肆叁	河南矛 J.W.144-31 戰國	226
圖版肆肆	獸面雲雷紋矛 臺購08489 戰國	228
圖版肆伍	弩機 J.W.2849-38 西漢	230

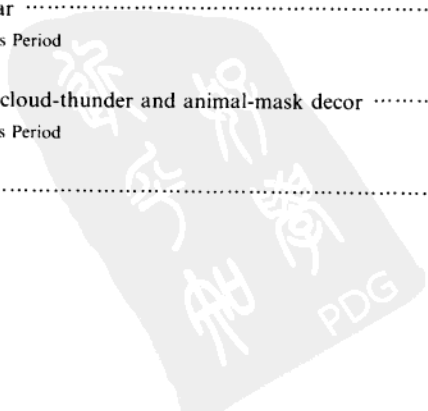
List of Plates

Plate 1: Dagger-axe with lugs and straight shafting-plate.....	128
Late Shang	
Plate 2: Dagger-axe with shaft-ring and triangular blade.....	130
Late Shang	
Plate 3: Dagger-axe with curved bronze shafting-plate and jade blade	132
Late Shang	
Plate 4: Dagger with curved handle and rattle	134
Late Shang	
Plate 5: Curved knife with rattle	136
Late Shang	
Plate 6: <i>Yüeh</i> axe with animal mask decor	138
Late Shang	
Plate 7: <i>Yüeh</i> axe with tubular shaft-ring and animal mask decor	140
Late Shang or Early Chou	
Plate 8: <i>Yüeh</i> axe with tubular shaft-ring and cloud and thunder pattern.....	142
Late Shang or Early Chou	
Plate 9: <i>Fu yüeh</i> axe with tubular shaft-ring	144
Late Shang or Early Chou	
Plate 10: <i>Yüeh</i> axe with tubular shaft-ring, three holes, swirling cloud decor, and semi-circular narrow blade	146
Late Shang or Early Chou	
Plate 11: <i>Yüeh</i> axe with semi-circular blade, tubular shaft-ring, and seven holes.....	150
Late Shang or Early Chou	

Plate 12: Bow-shaped implement with cicada decor	152
Late Shang or Early Chou	
Plate 13: Undecorated bow-shaped implement	153
Late Shang or Early Chou	
Plate 14: Bow-shaped implement with humanoid mask decor	154
Late Shang or Early Chou	
Plate 15: Bow-shaped implement with nipple decor	156
Late Shang or Early Chou	
Plate 16: Ch'eng Chou Dagger-axe	158
Early to Middle Western Chou	
Plate 17: Dagger-axe with triangular blade and lashing hole	160
Early Western Chou	
Plate 18: Dagger-axe with tongue-spitting <i>k'uei</i> dragon	162
Early Western Chou	
Plate 19: Dagger-axe with <i>k'uei</i> dragon decor	164
Early Western Chou	
Plate 20: Hou Halberd	166
Early to middle Western Chou	
Plate 21: Two knives with shaft-ring and nipple decor	168
Late Shang or Early Chou	
Plate 22: Dagger-axe with three lashing holes	172
Middle Spring & Autumn Period	

Plate 23: Dagger-axe with three lashing holes	174
Late Spring & Autumn Period	
Plate 24: Dagger-axe with three lashing holes	176
Late Spring & Autumn Period	
Plate 25: Dagger-axe used by Marquis Ch'an (?) of Ts'ai (471-457 B.C.)	178
Plate 26: Dagger-axe used by Prince Ts'ung of Ts'ai	184
Late Spring & Autumn Period	
Plate 27: Dagger-axe with shaft-ring and rope decor	190
Warring States Period	
Plate 28: Dagger-axe with four lashing holes	192
Warring States Period	
Plate 29: Dagger-axe with sharpened shafting plate and long descending edge	194
Middle Warring States Period	
Plate 30: Dagger-axe with bird and shaft cap	196
Warring States Period	
Plate 31: Dagger-axe with beast and bird decor	198
Warring States Period	
Plate 32: Hsüan Min Dagger-axe	202
Warring States Period	
Plate 33: Sword with cloud and thunder decor	204
Warring States Period	
Plate 34: Sword with pommel, two encircling bands and guard	205
Warring States Period	

Plate 35: Sword without pommel	206
Late Spring & Autumn Period to Warring States Period	
Plate 36: Sword with Yüeh state script.	208
Warring States Period	
Plate 37: Sword used by King Chou Kou (448-441 B.C.) of Yüeh	212
Plate 38: Sword with turquoise inlay on guard	214
Warring States Period	
Plate 39: Dagger with openwork decor of coiled dragons	216
Middle to late Spring & Autumn Period to Warring States Period	
Plate 40: Dagger with double-ringed pommel	218
Late Spring & Autumn Period to middle of Warring States Period	
Plate 41: Dagger with ringed pommel	220
Warring States Period	
Plate 42: Sword with iron blade and bronze handle	222
Warring States Period to Han Dynasty	
Plate 43: Honan spear	226
Warring States Period	
Plate 44: Spear with cloud-thunder and animal-mask decor	228
Warring States Period	
Plate 45: Crossbow	230
Western Han	



黑白附圖目錄

圖 1	號太子元徒戈 河南陝縣三門峽上村嶺墓1052：53 西周末春秋初	30
圖 2	戈部位名稱圖	30
圖 3	金文的「戈」 河南安陽殷墟西區墓284鼎器壁 商後期	30
圖 4	戈安秘方法示意圖（根據小屯西地墓234：10木秘殘痕復原）	31
圖 5	鑑上花紋拓片 河南汲縣山彪鎮墓1	31
圖 6	蔡口戟 安徽舒城九里墩 春秋晚期	33
圖 7	曾侯乙之用戟 湖北隨縣曾侯乙墓（N209.1） 戰國早期	33
圖 8	吳王夫差矛及銘文 江陵馬磚墓5 吳王夫差（西元前495-473）	33
圖 9	金文的人持鉞形	33
圖 10	劍部位名稱圖	37
圖 11	金文中的刀形	37
圖 12	弩機部位名稱示意圖	37
圖 13	直內戈 河南偃師二里頭（採集）	40
圖 14	曲內戈 河南偃師二里頭（75YLVK32）	40
圖 15	玉援銅內戈 河南安陽小屯墓331(R850) 商後期	40
圖 16	有胡戈 河南安陽殷墟西區墓698 商後期	42
圖 17	三角援戈 河南安陽小屯墓232（R2108） 商後期	42
圖 18	三角援戈 陝西城固蘇村 商後期	42
圖 19	三角援戈 四川彭縣竹瓦街 商後期	42
圖 20	三角援戈 陝西寶雞強國墓7 西周早期	44
圖 21	矛 河南安陽侯家莊西北岡1004大墓(R6760) 商後期	44
圖 22	矛 湖北黃陂盤龍城樓子灣墓3 商前期	44
圖 23	鉞 湖北黃陂盤龍城李家嘴墓2 商前期	44
圖 24	石斧 江蘇青浦崧澤 新石器時代	46
圖 25	鉞 河南安陽大司空村墓25 商後期	46
圖 26	鉞 陝西西安老牛坡 西周早期	46
圖 27	鉞 山西柳林高紅 商後期	48
圖 28	斧鉞 遼寧新民大紅旗 商末或周初	48
圖 29	七孔管銜鉞 青海湟中下西河潘家梁 商末或周初	48
圖 30	三孔管銜鉞 傳陝西榆林 商末或周初	48
圖 31	三孔鉞X光透視	50

圖 32	三孔鉞管 鑿X光側面透視	50
圖 33	三孔鉞管 鑿上有經後人填補的長方形凹槽	50
圖 34	凸刃凹背大刀 河南安陽殷墟墓5	52
圖 35	長條形大刀 河南安陽殷墟西區墓1713 商後期	52
圖 36	曲背鈴首彎刀 河北青龍抄道溝 商後期	52
圖 37	曲柄鈴首短劍 山西石樓曹家垣 商後期	52
圖 38	弓形器 河南安陽西北岡墓2124 (R1147) 商後期	54
圖 39	弓形器 托姆斯克大岬墓28	54
圖 40	成周戈 河南濬縣辛村墓42 西周早期-中期	55
圖 41	成周戈 北京琉璃河墓1193 西周早期	55
圖 42	戈 甘肅靈台白草坡墓2 西周早期	56
圖 43	戈 河南濬縣辛村墓42 西周早期-中期	56
圖 44	戟 河北藁城臺西墓17 商前期	58
圖 45	侯戟 河南濬縣辛村墓2 西周早、中期	58
圖 46	曲刃劍 遼寧寧城南山根墓101 西周晚期-春秋早期	59
圖 47	柱脊劍 河南陝縣上村嶺虢國墓1052 西周晚-春秋早期	59
圖 48	柳葉形劍 陝西長安張家坡墓178 西周早期	59
圖 49	有首有格劍 浙江長興楊灣 西周早期	59
圖 50	曲刃劍 遼寧凌源三官甸 戰國早中期	62
圖 51	觸角式短劍 河北懷來北辛堡 戰國早期	62
圖 52	嵌松綠石柄短劍 河北懷來大城 春秋晚期	62
圖 53	無首劍 河南洛陽中州路墓2737 春秋晚期	62
圖 54	有首無箠有格劍 河南洛陽中州路墓2717 戰國早期	64
圖 55	有首有箠有格劍 河南洛陽中州路墓2729 春秋晚期	64
圖 56	攻敵大子姑發習反劍及銘文 安徽淮南蔡家崗趙家孤堆墓2 吳諸樊	64
圖 57	越王州勾自作用劍及銘文 湖北江陵藤店墓1 越王朱勾 (西元前448-441)	65
圖 58	複合劍剖面 春秋晚期 上海博物館	65
圖 59	越王句踐劍 春秋晚期 湖北江陵望山	65
圖 60	戈 河北易縣燕下都墓44 戰國晚期	66
圖 61	戈 湖北江陵天星觀墓1 戰國晚期	67
圖 62	三戈戟 湖北隨縣曾侯乙墓 戰國早期	67
圖 63	弩機 山東曲阜魯國故城墓3 戰國早期	68
圖 64	弩機 河北滿城漢墓墓1 西漢	68
圖 65	戈(拓片) 湖北荊門車橋 戰國	70

圖	66	戈	四川郫縣	戰國	70
圖	67	戈	山西太原金勝村墓251	春秋晚期	70
圖	68	短劍	內蒙古涼城田家毛慶溝墓59	春秋晚期	72
圖	69	蔡侯產劍銘	安徽淮南蔡家崗趙家孤堆	蔡侯產 (西元前471 - 西元前457)	72
圖	70	楚王禽章戈銘	傳洛陽	楚惠王 (西元前448 - 西元前430)	73
圖	71	越王丁北古劍銘	越盲姑	(西元前458 - 西元前448)	73
圖	72	越王州勾劍	越王朱勾	(西元前448 - 西元前440)	73
圖	73	有胡戈	江西新淦大洋洲	商後期	76
圖	74	聯體戟	江西新淦大洋洲	商後期	76
圖	75	釜口鉞	江西新淦大洋洲	商後期	76
圖	76	夾內鉞	江西新淦大洋洲	商後期	76



List of Figures

Figures:

1. "T'u Dagger-Axe of Prince Yuan of Kuo" found at the Shang-ts'un-ling tombs in the State of Kuo, present-day Shan County, San Men Hsia village, item 1052:53. Late Western Chou to early Spring & Autumn Period. Overall length 17.1cm. Taken from figure 35:2 in *The Cemetery of The State of Kuo at Shang Ts'un Ling*. 30
2. Parts of a dagger-axe.....30
3. Character for *ge* dagger-axe appearing in bronze inscription on wall of a *ding* from tomb 284 in Western An-yang Shang site. Late Shang. From *Kaogu Xuebao*, 1979, no. 1, 81:4. 30
4. Hafting of dagger-axe based on remains of an attached wooden handle found in western Hsiao-t'un tomb 234:10 reported in the *Excavation of Yinxu*, p. 249, figure 189:1. 31
5. Rubbing of ornamentation on bronze mirror unearthed in County of Chi, City of Shan Piao, Honan at tomb 1. Figure 10:1 from *Shan-Biao-Zhen Yu Liu-Li-Gou*. 31
6. "Ts'ai X Halberd" excavated at Chiu-li-tun, in Shu-Ch'eng County, Anhui. Spearhead overall length 15cm, dagger-axe 24.4cm. From *Kaogu Xuebao*, 1982, no. 2, p. 233. ... 33
7. Halberd from the tomb of the Marquis Yi of Tseng located in Sui County, Hupeh, N209. 1. Early Warring States Period. Length 24.4cm. *Tomb of Marquis Yi of State Zeng*, p. 270, figure 160:1. 33
8. "Wu Wang Fu Ch'ai Spear" and associated inscription unearthed at Chiang-ling-ma-chuan in tomb 5. Wu Wang Fu Ch'ai (B.C. 495-473) Length 29.5cm. From *The Sword of Gou Jian, King of Yue State and The Spear of Fu Chai, King of Wu State*, figure 10. 33
9. Bronze inscriptions indicate the attachment of *yüeh* to wooden handle. *Chin Wen Pian*, p. 799. 33
10. Parts of a sword. (taken from *Ancient Chinese Weapons: a Collection of Pictures*, p. 58, figures 3-42. 37
11. Character for knife in bronze inscriptions. *Ibid*, p. 31, figures 2-15. 37
12. Parts of a crossbow. *Ibid*, p. 91. 37
13. Dagger-axe with straight shafting plate from the Erh-li-t'ou site in Yan-shih, Honan. Collected by a local. Length 28cm. 40
14. Dagger-axe with curved shafting plate from Erh-li-t'ou. Length 23.5cm. From vol. 1 of *Bronzes of Shang and Chou Dynasties Unearthed in Honan Province*, figure 4. 40
15. Dagger-axe with jade blade and bronze shafting plate excavated at Tomb # 331 (R850) at Hsiao-t'un, An-yang, Honan. Late Shang, overall length 32.9cm. From *Hsiao-T'un*, no. 5, plate 66:2. 40
16. Dagger-axe with descending edge and straight shafting plate. From tomb 698 in western An-yang Shang site. Late Shang. 28.3cm long. Vol. 1 of *Bronzes of Shang and Chou Dynasties Unearthed in Honan Province*, plate. 230. 42
17. Dagger-axe with triangular blade found at tomb 232 in Hsiao-tun, An-yang, Honan. (R2108) Late Shang, length 24cm. *Hsiao-T'un*, no. 3, plate 30:1. 42