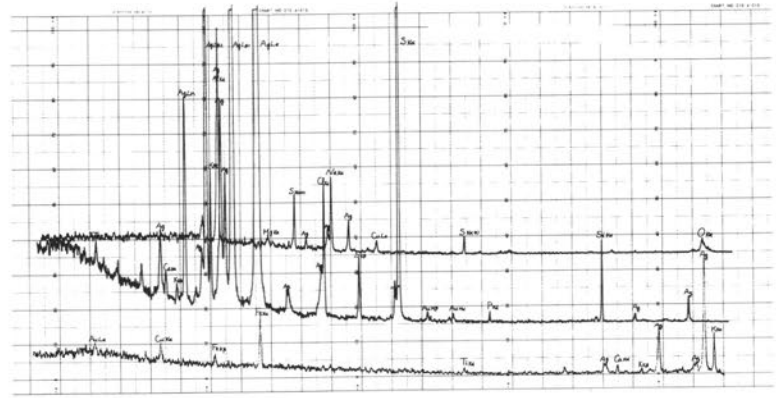
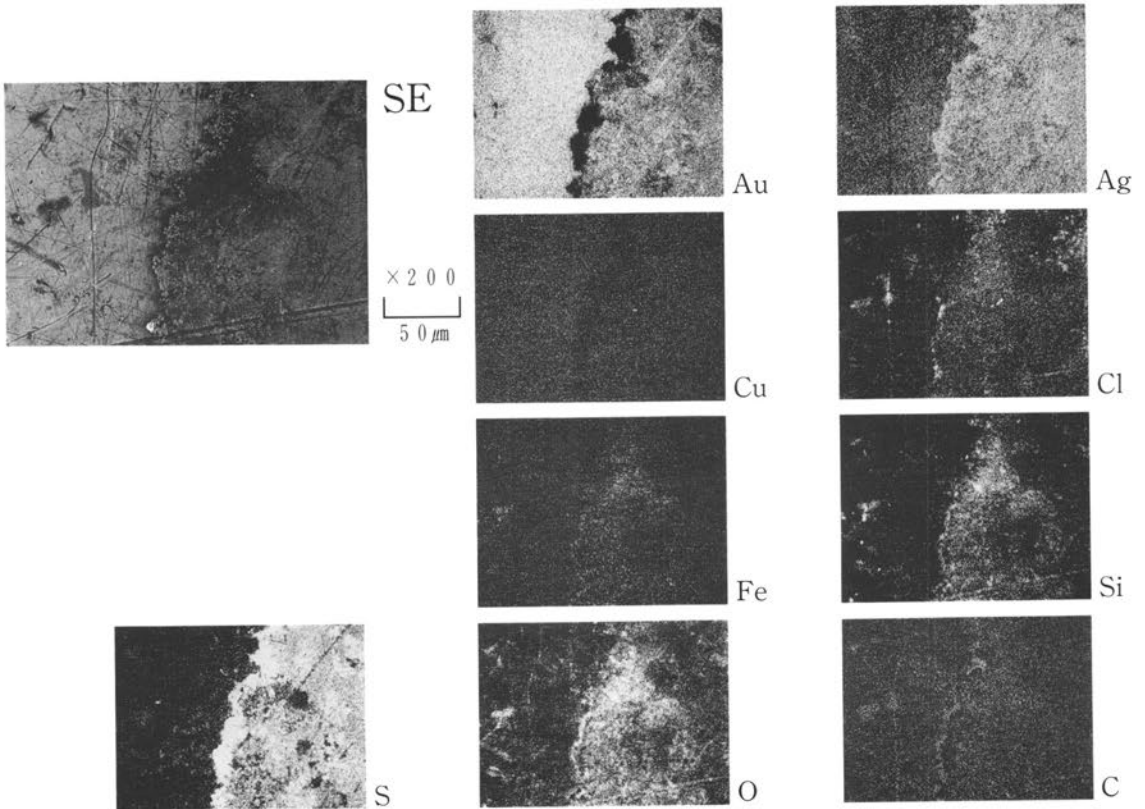


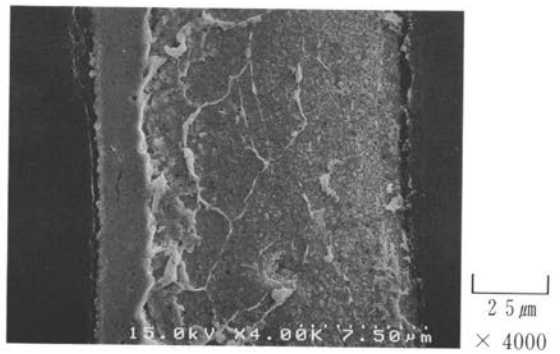
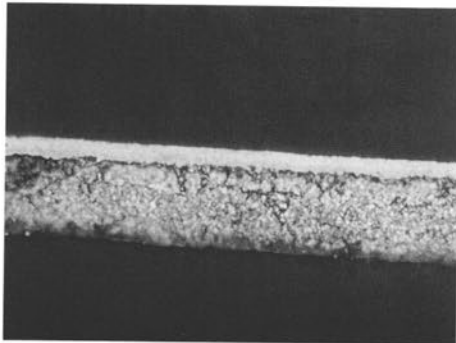
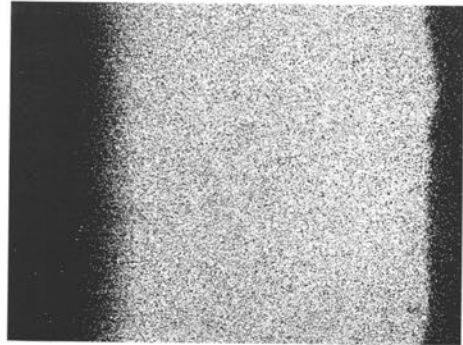
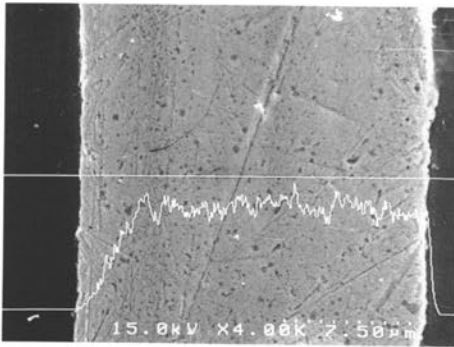
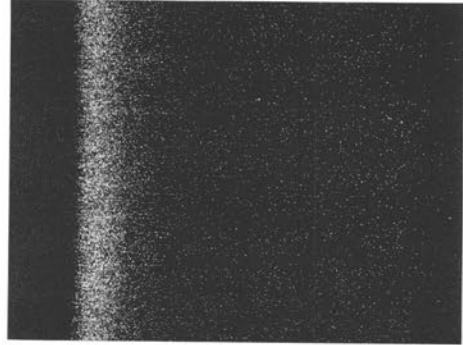
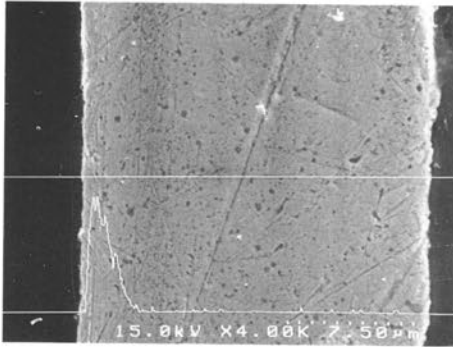
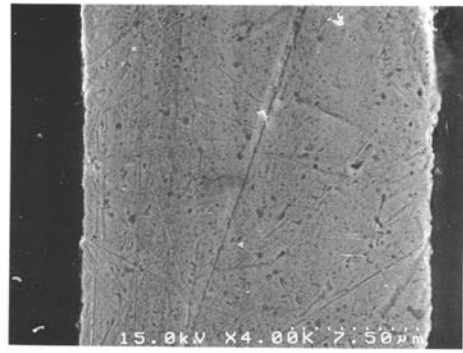
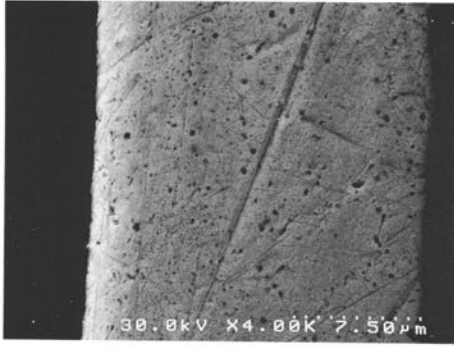
鍍金部分



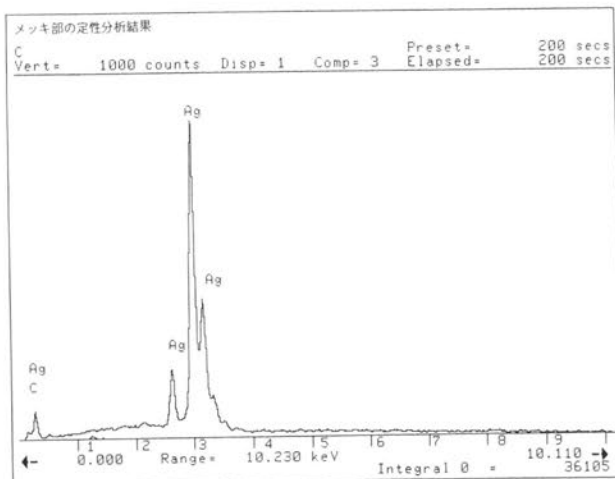
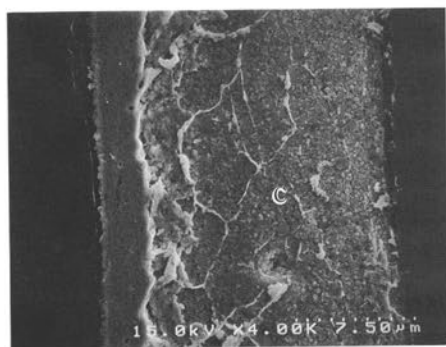
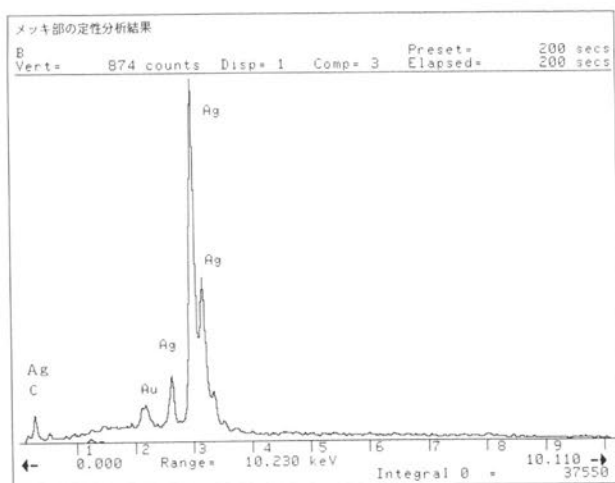
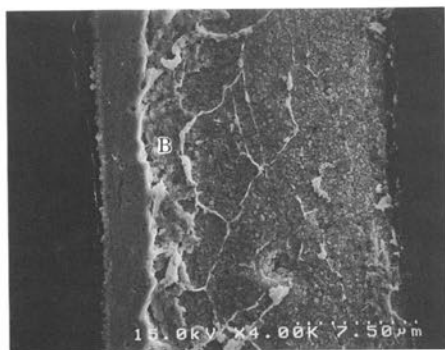
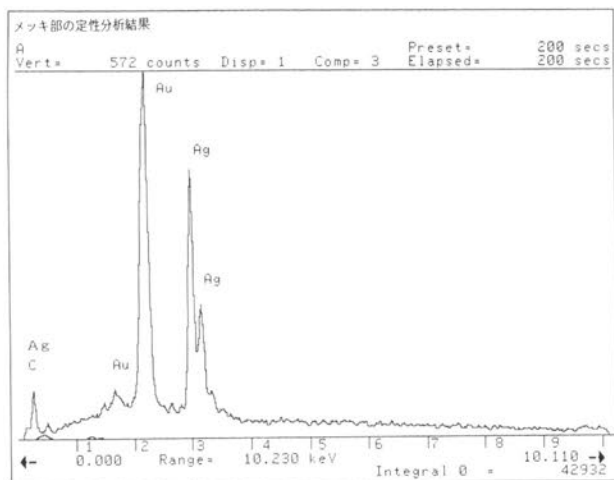
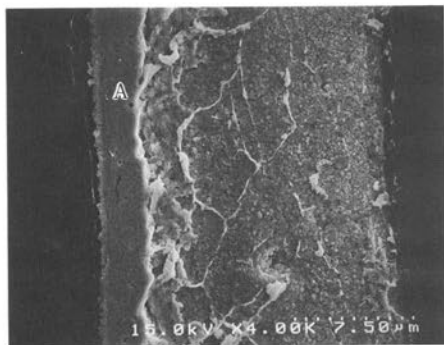
黑色部分



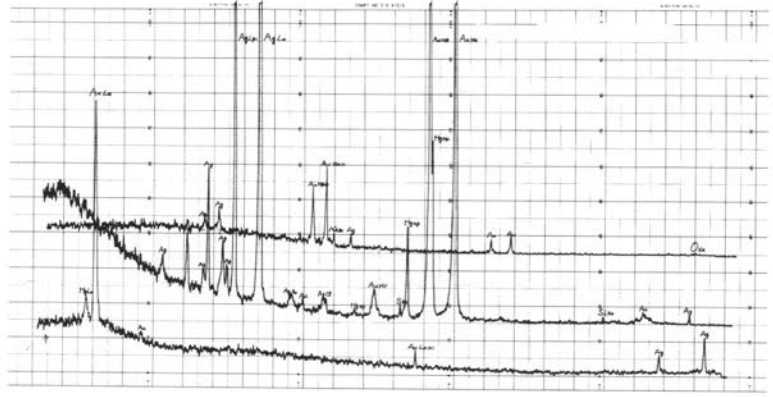
池向 8 号墳出土の耳環 17 蛍光 X 線スペクトル及び面分析写真



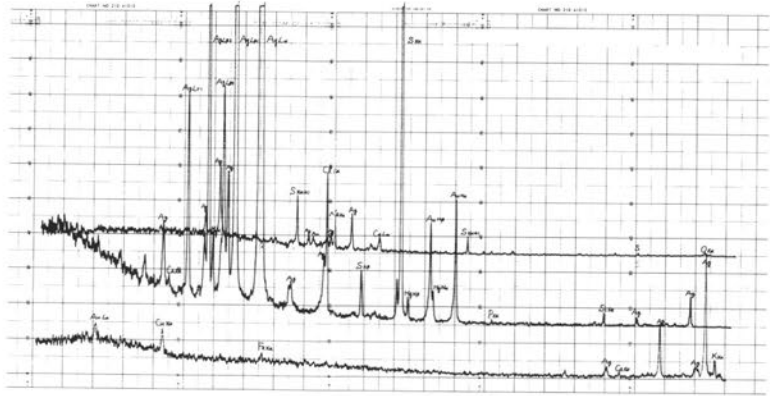
池向 8号墳出土耳環17 鍍金層の断面状況



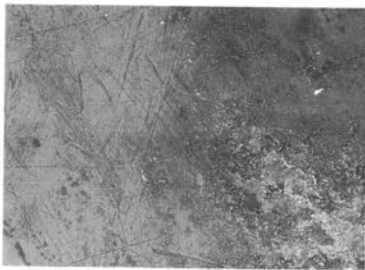
池向 8 号出土耳環17 鍍金層断面の蛍光X線スペクトル



鍍金部分

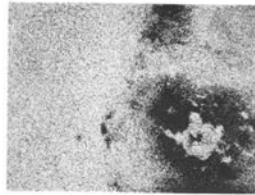


黒色部分

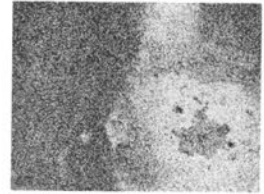


SE

× 200  
50 μm



Au



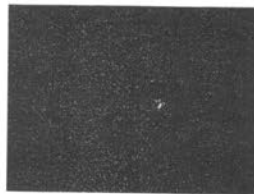
Ag



Cu



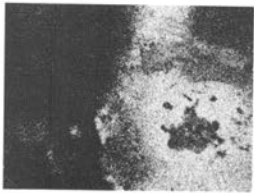
Cl



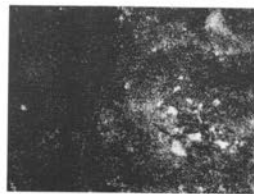
Fe



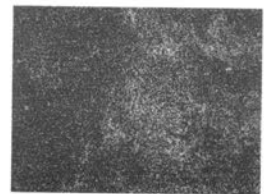
Si



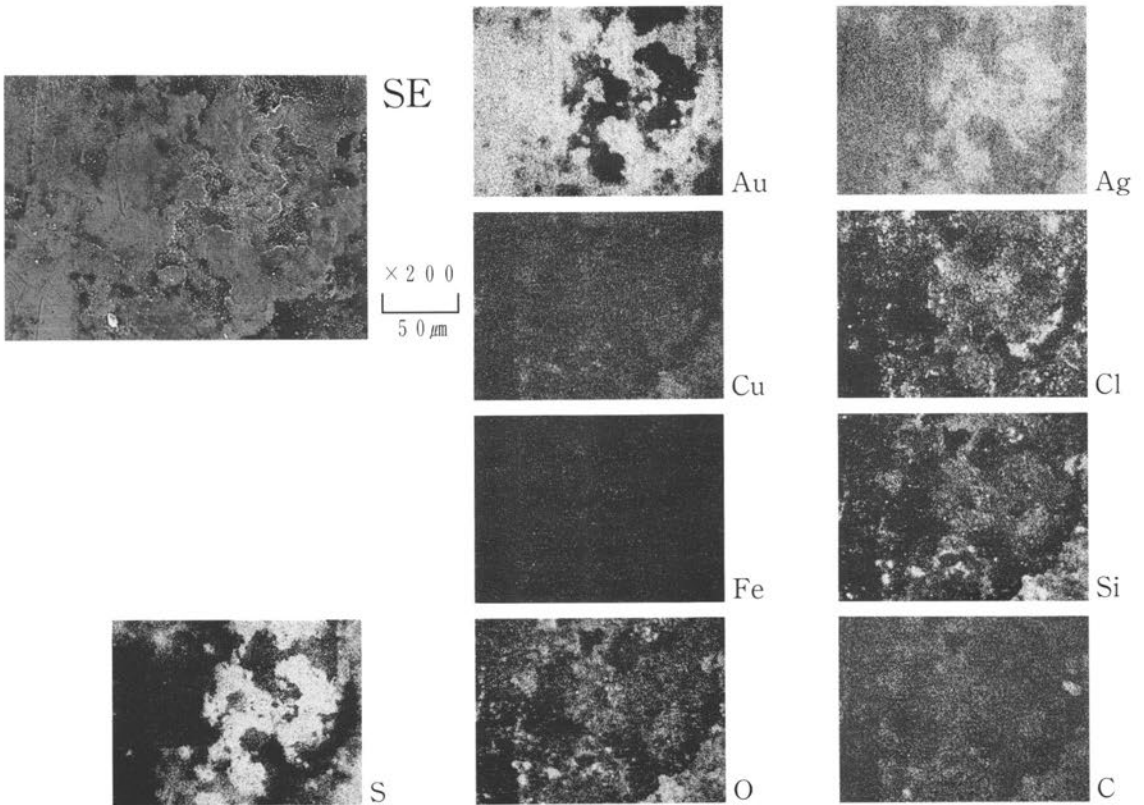
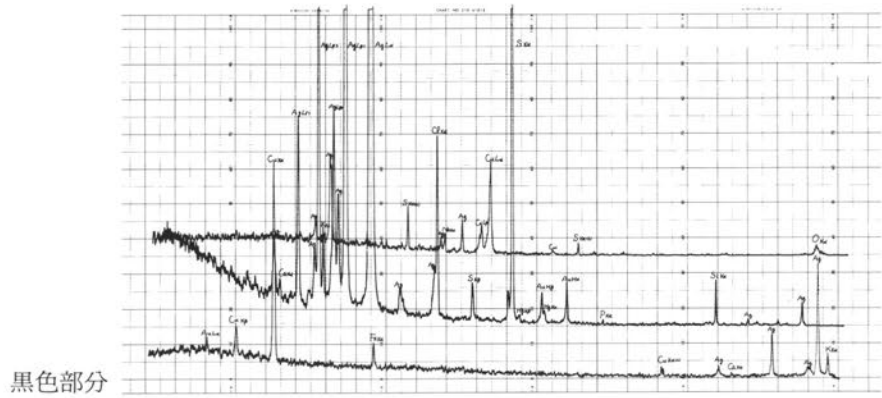
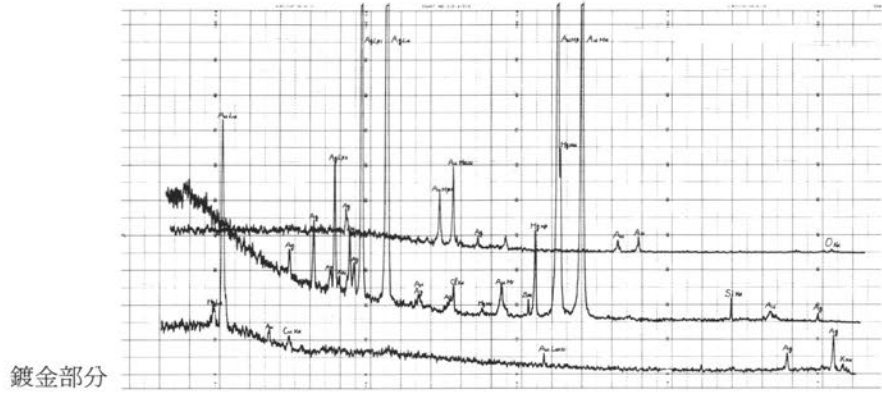
S



O

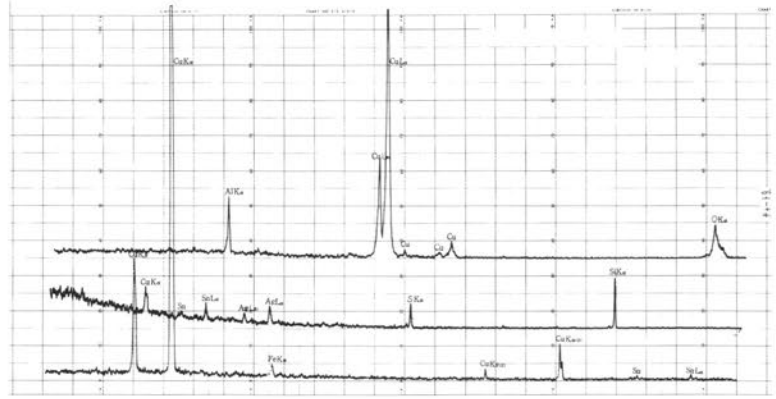


C

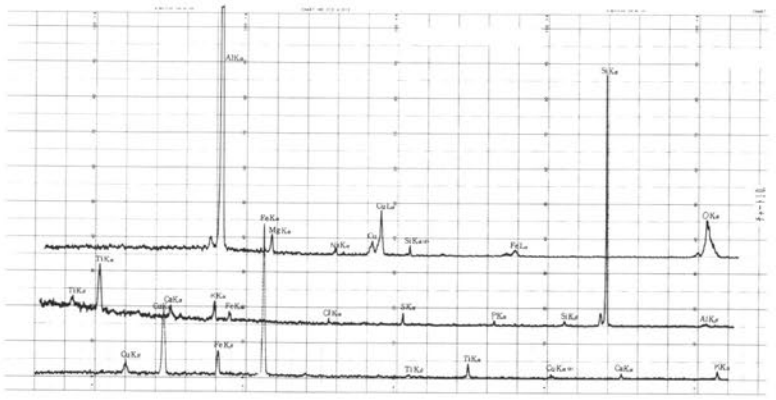


池向4号墳出土の耳環19 蛍光X線スペクトル及び面分析写真

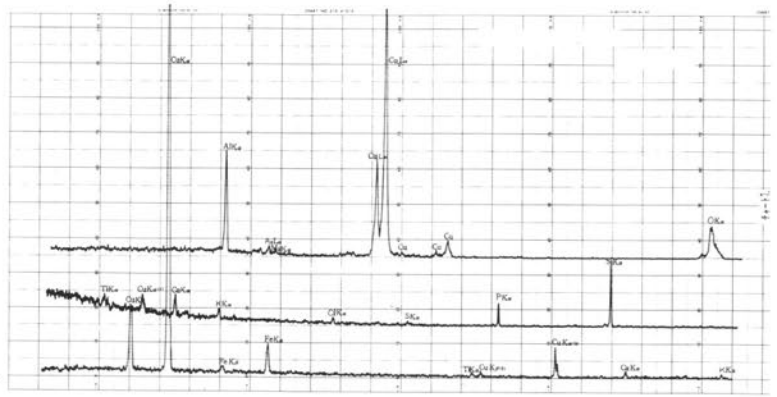
緑色部分



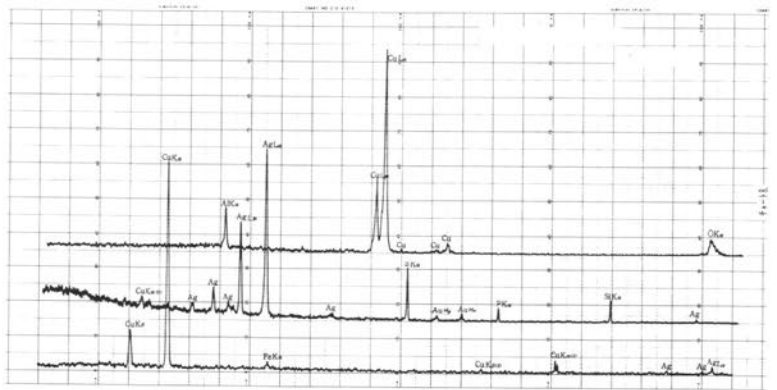
茶色部分



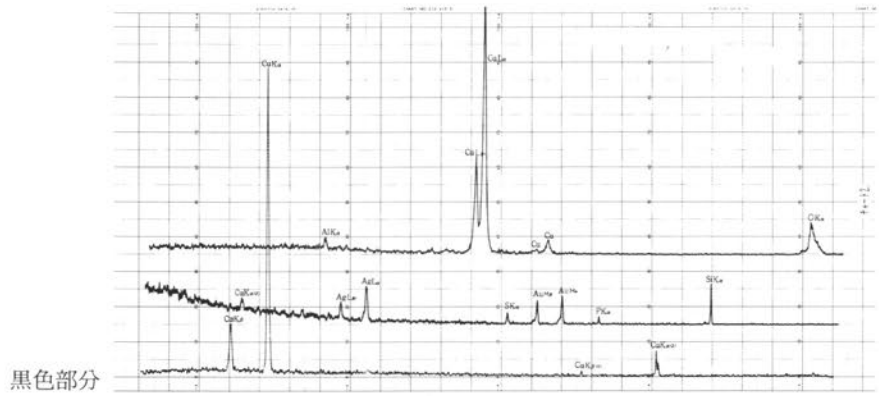
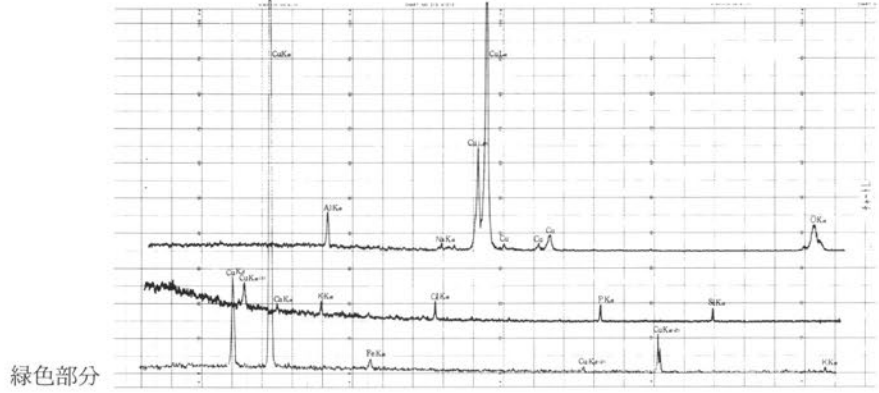
緑色部分



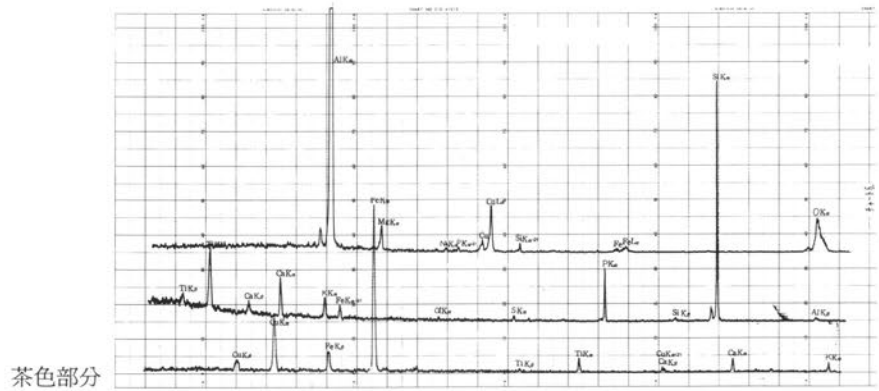
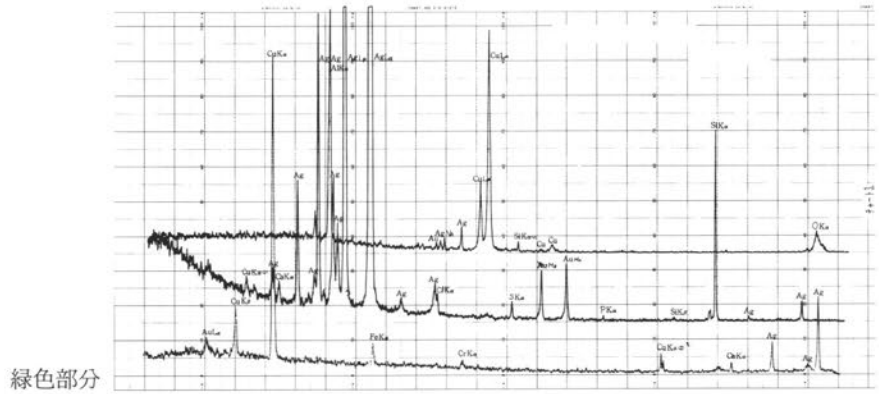
黒色部分



請西大山台遺跡①

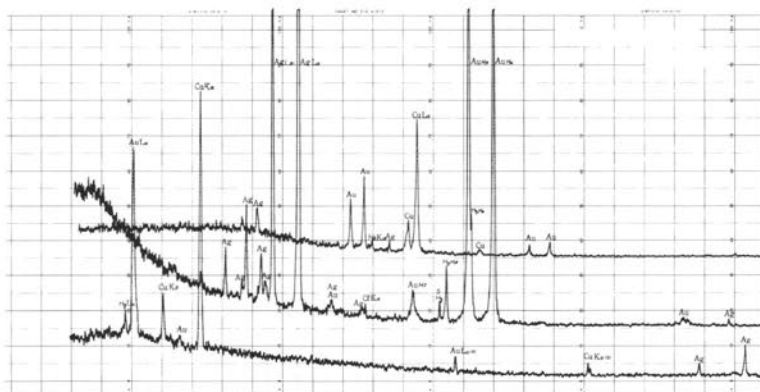


請西大山台遺跡②

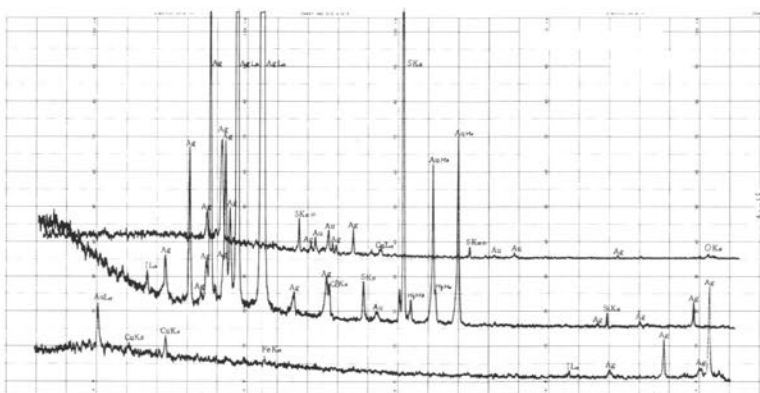


請西大山台遺跡出土の耳環21・22 蛍光X線スペクトル

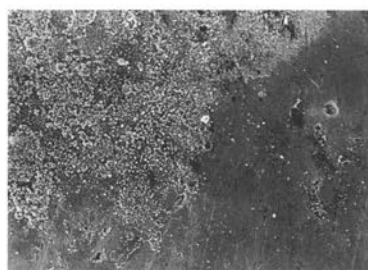




鍍金部分

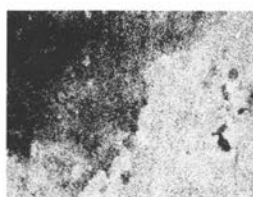


黒色部分

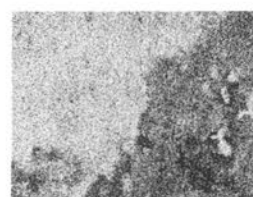


SE

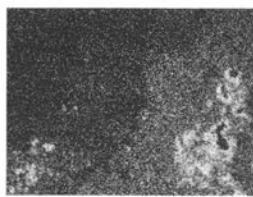
×400  
2.5 μm



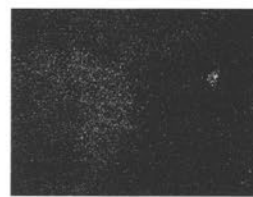
Au



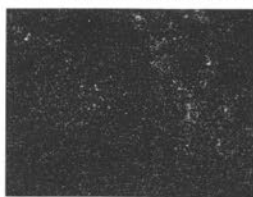
Ag



Cu



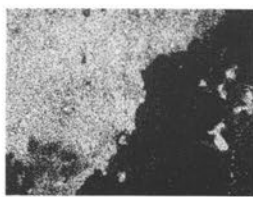
Cl



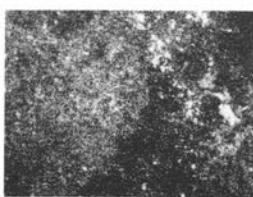
Fe



Si



S



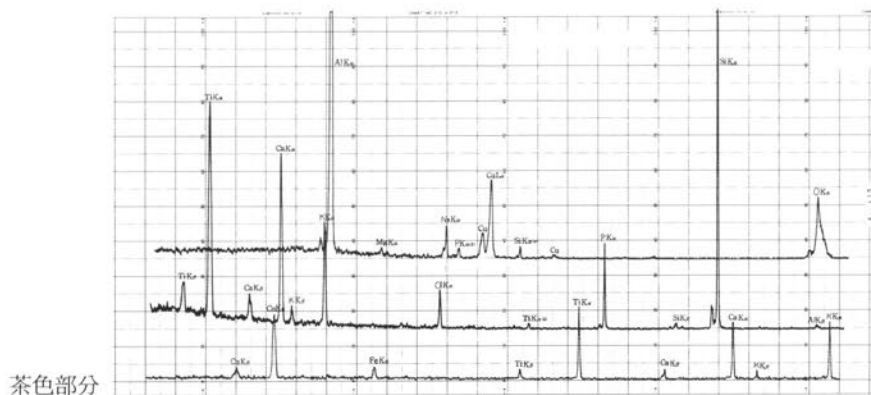
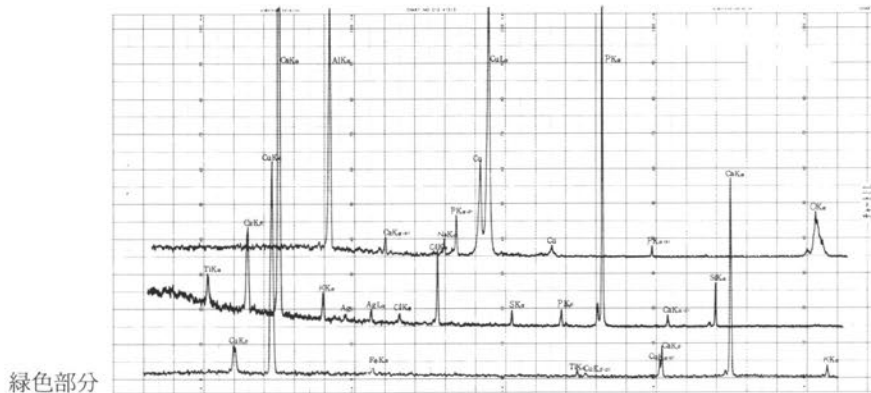
O



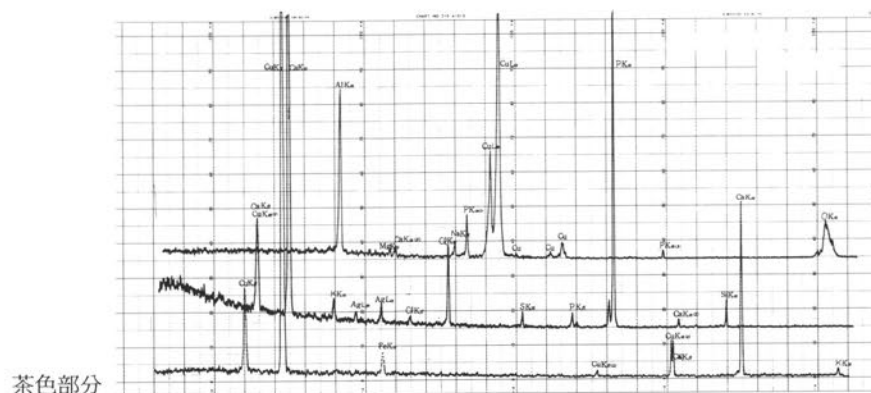
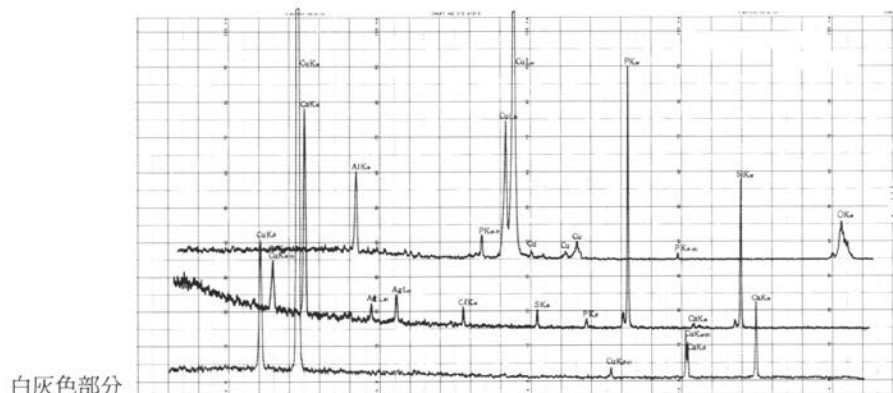
C



諏訪谷横穴⑭



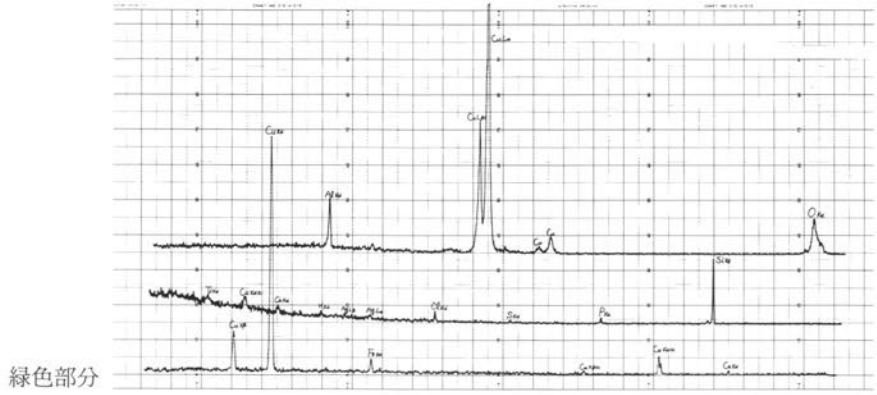
諏訪谷横穴⑮



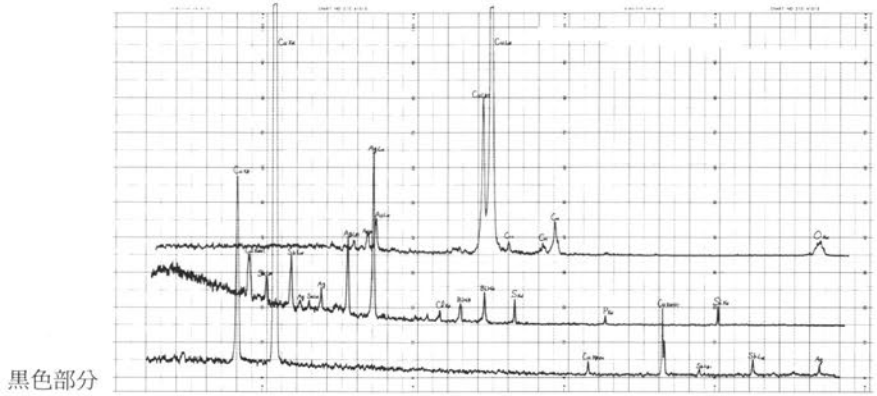
諏訪谷横穴出土の耳環24・25 蛍光X線スペクトル

図版30

小金沢 2 号墳26

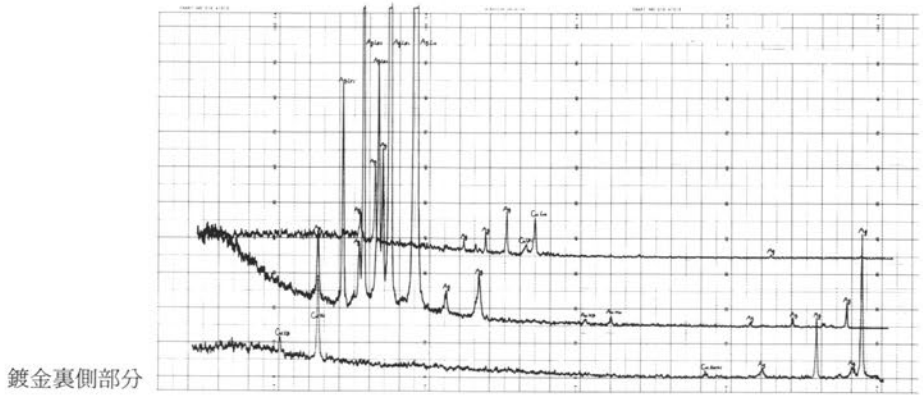


緑色部分



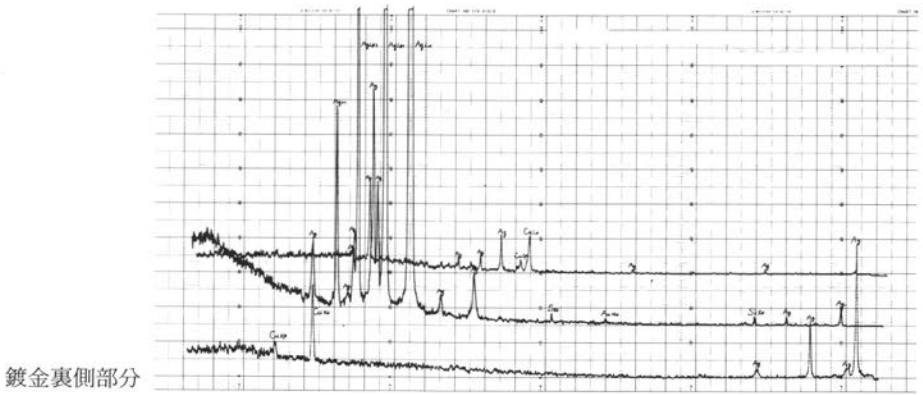
黒色部分

高沢遺跡16

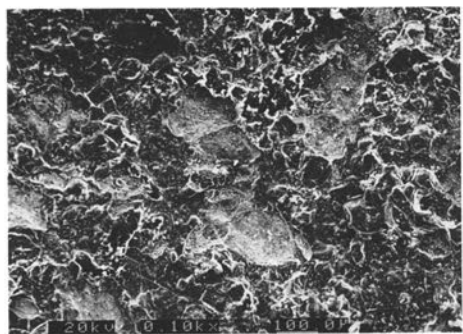


鍍金裏側部分

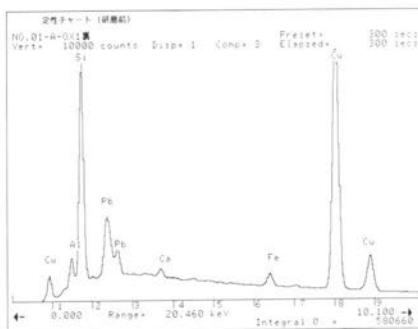
池向遺跡17



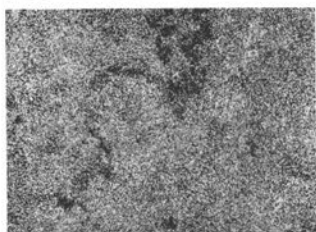
鍍金裏側部分



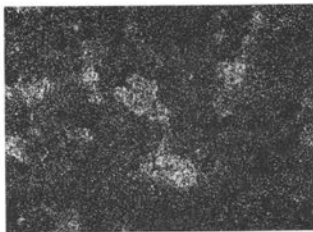
SE



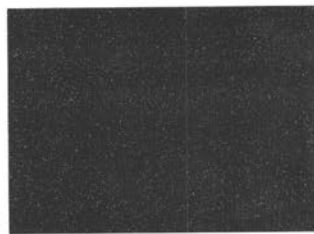
× 100  
100 μm



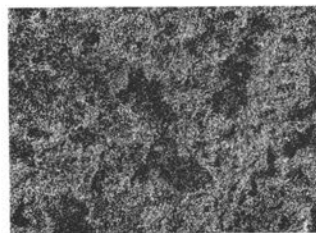
Cu



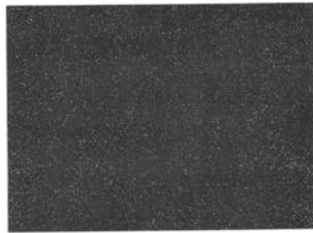
Pb



Fe



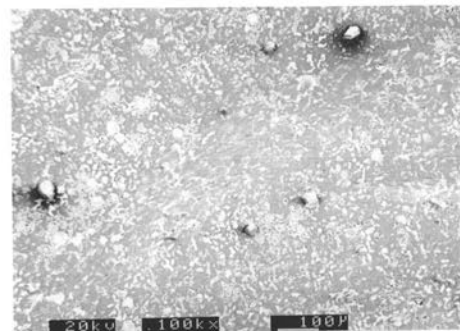
Sn



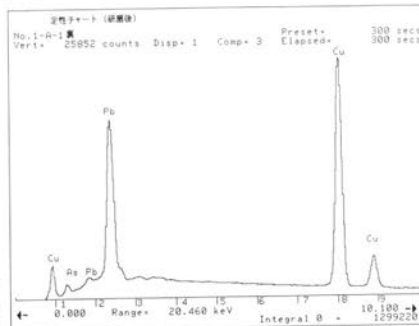
Si



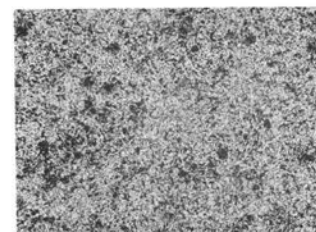
Al



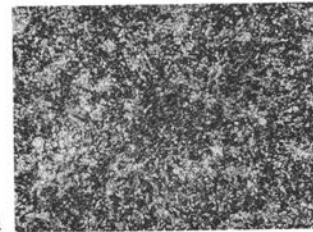
SE



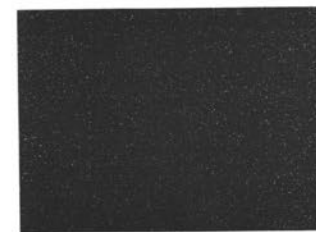
× 100  
100 μm



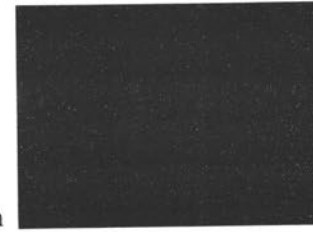
Cu



Pb

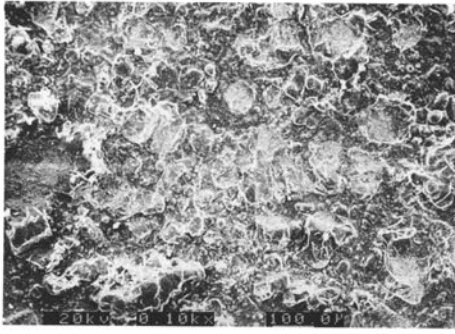


Sn

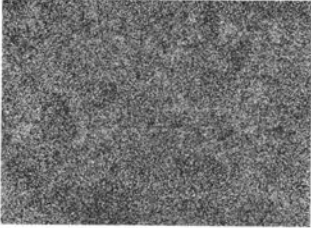
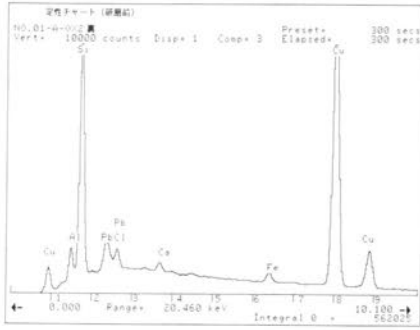


As

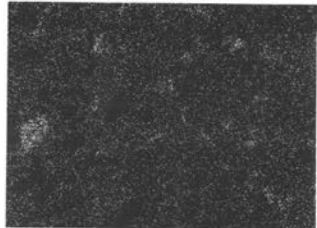
白幡前遺跡出土の丸鞆27 蛍光X線スペクトル及び面分析写真A-① 研磨前・後



SE



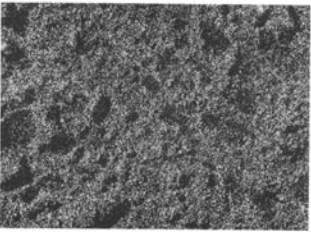
Cu



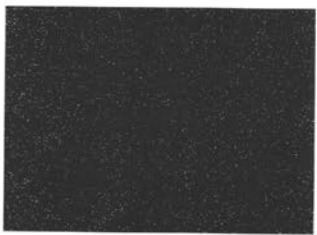
Pb



Fe



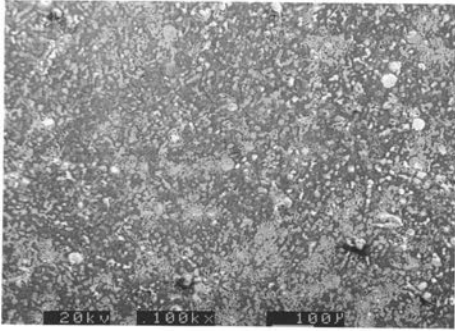
Sn



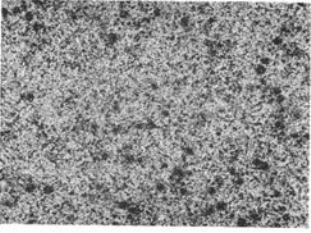
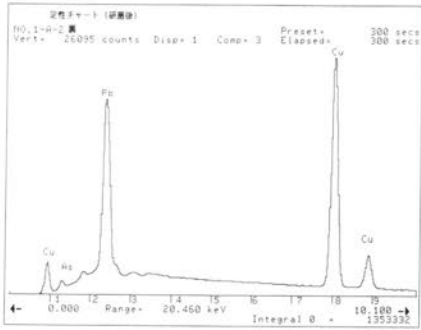
Si



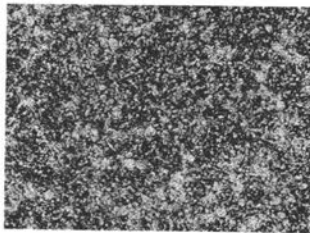
Al



SE



Cu



Pb

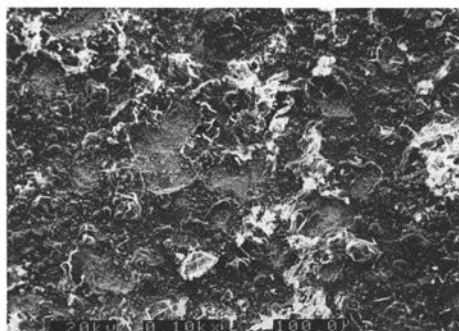


Sn

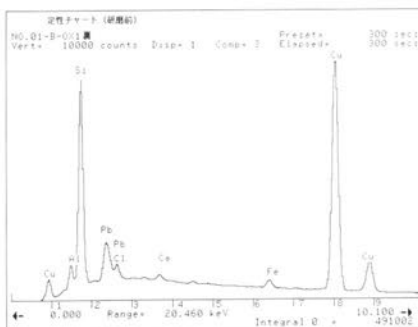


As

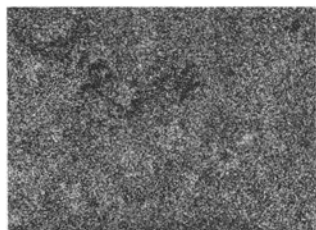
白幡前遺跡出土の丸軛27 蛍光X線スペクトル及び面分析写真A-② 研磨前・後



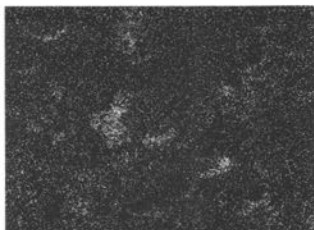
SE



×100  
100 μm



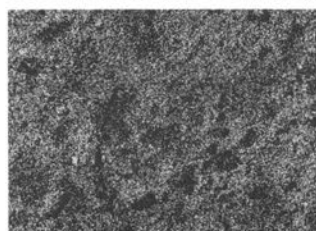
Cu



Pb



Fe



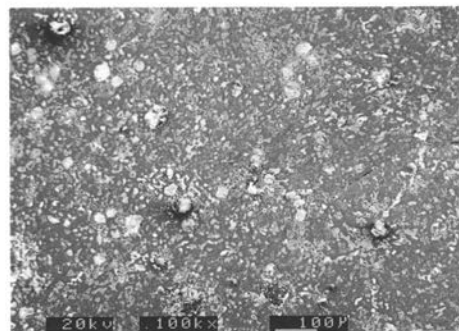
Sn



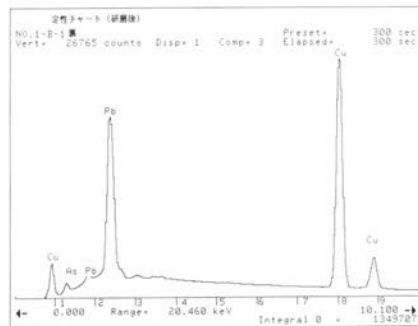
Si



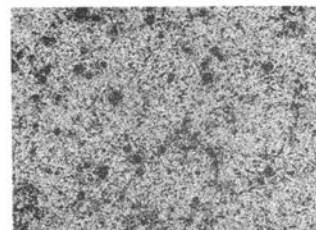
Al



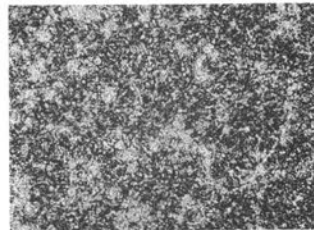
SE



×100  
100 μm



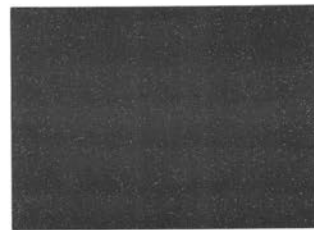
Cu



Pb

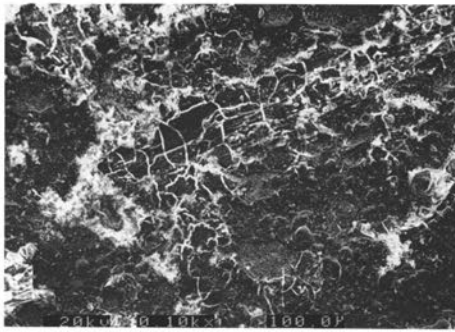


Sn

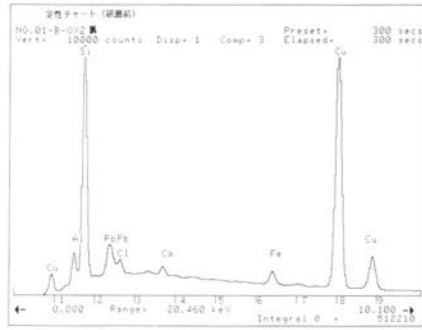


As

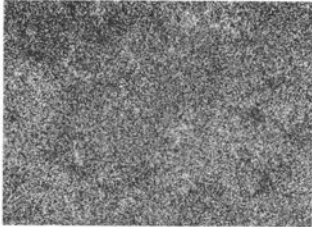
白幡前遺跡出土の丸軋27 蛍光X線スペクトル及び面分析写真B-① 研磨前・後



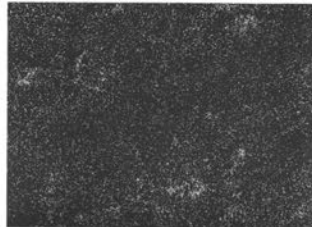
SE



×100  
100 μm



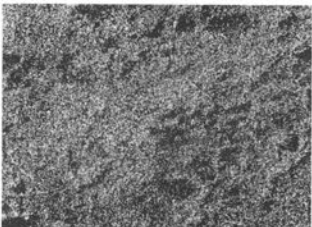
Cu



Pb



Fe



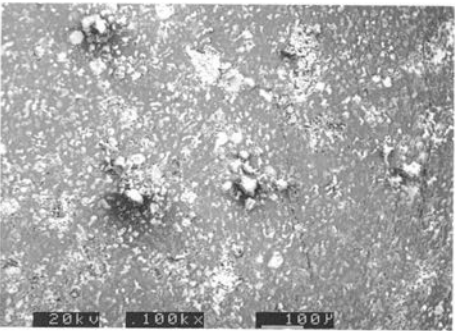
Sn



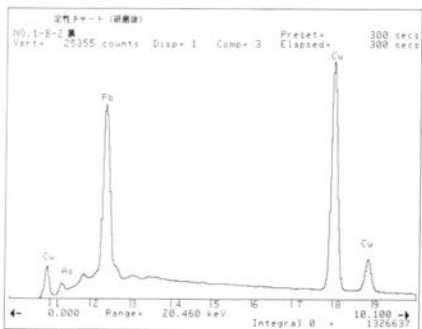
Si



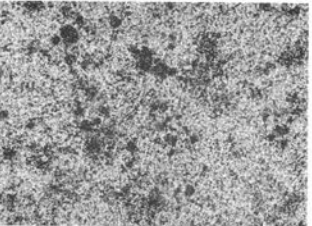
Al



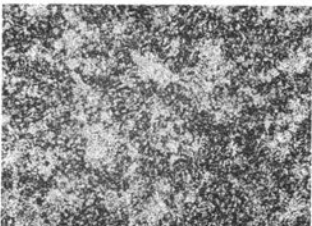
SE



×100  
100 μm



Cu



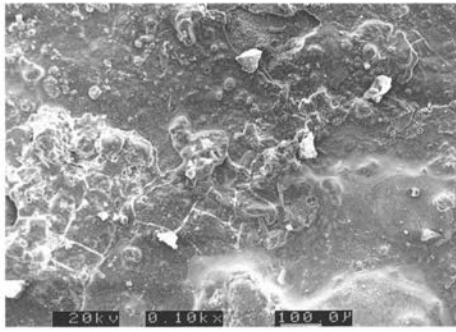
Pb



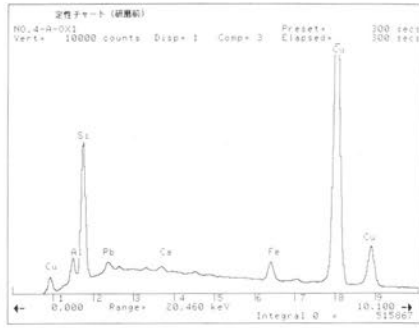
Sn

白幡前遺跡出土の丸軋27 蛍光X線スペクトル及び面分析写真B-② 研磨前・後

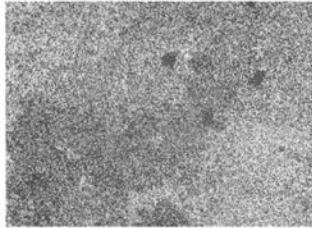




SE



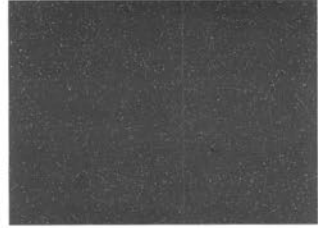
×100  
100µm



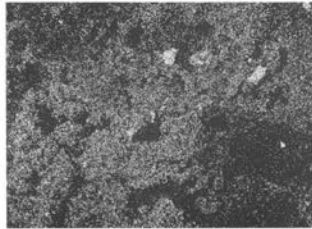
Cu



Pb



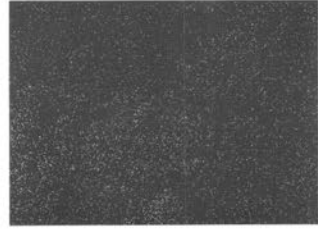
Fe



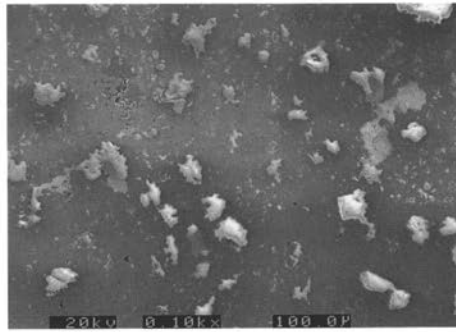
Sn



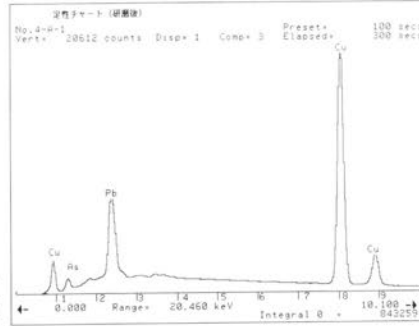
Si



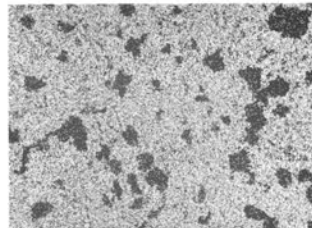
Al



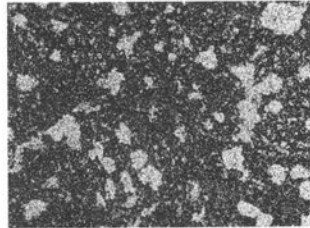
SE



×100  
100µm



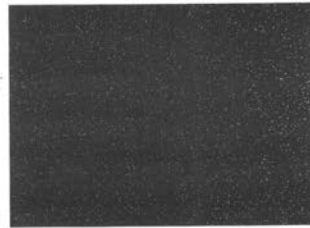
Cu



Pb



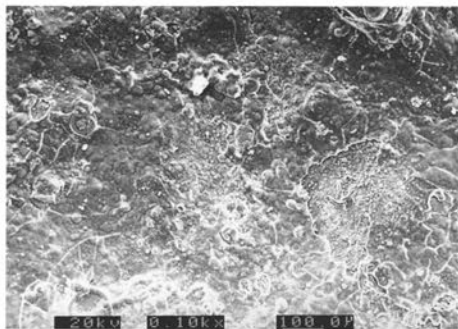
Sn



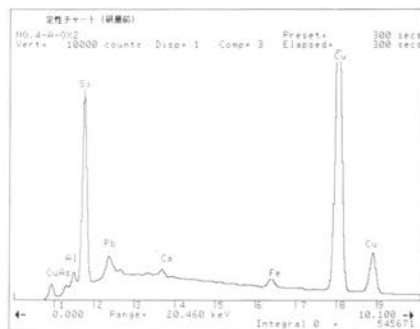
As

権現後遺跡出土の巡方28 蛍光X線スペクトル及び面分析写真A-① 研磨前・後

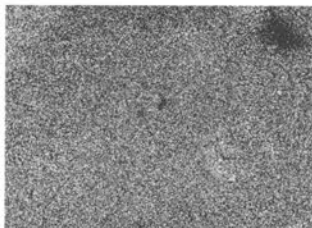




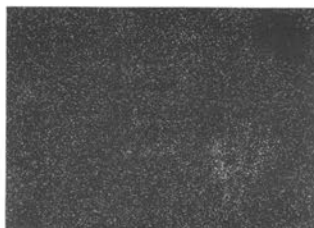
SE



×100  
100 µm



Cu



Pb



Fe



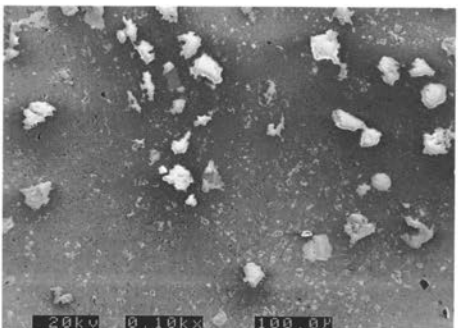
Sn



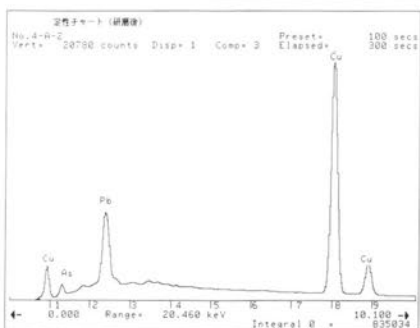
As



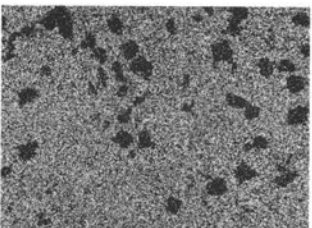
Al



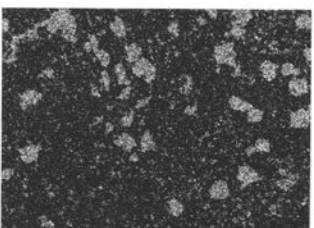
SE



×100  
100 µm



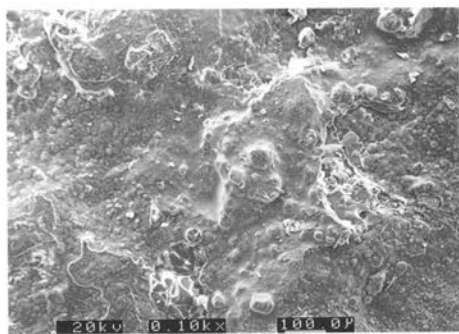
Cu



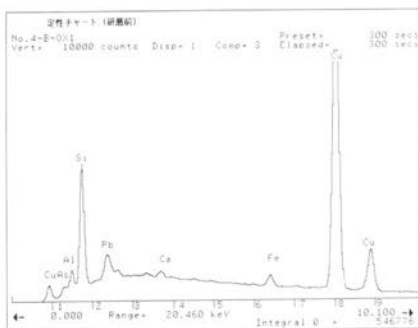
Pb



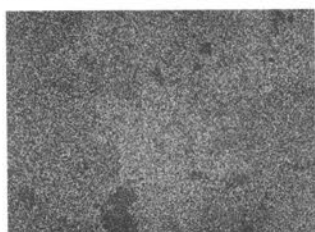
Sn



SE



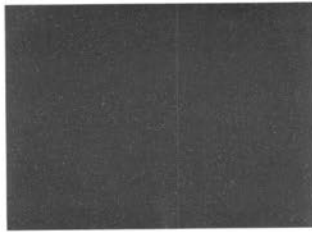
×100  
100µm



Cu



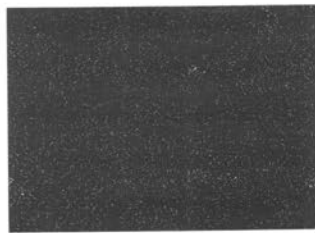
Pb



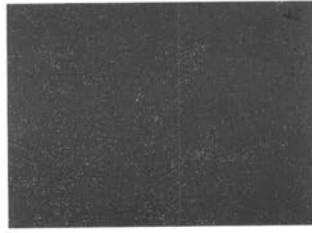
Fe



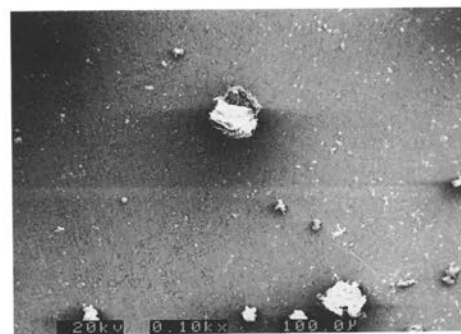
Sn



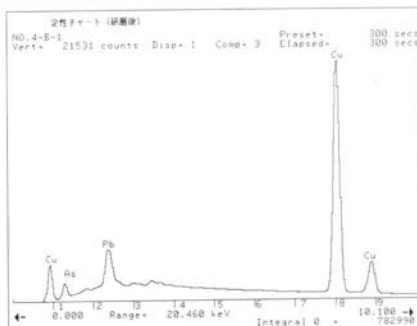
As



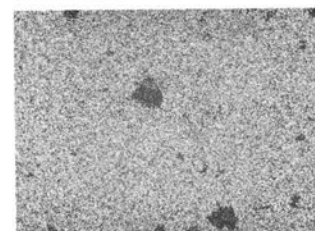
Al



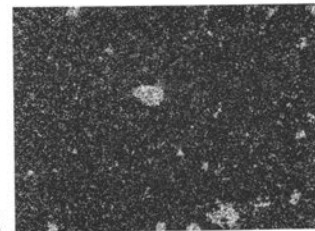
SE



×100  
100µm



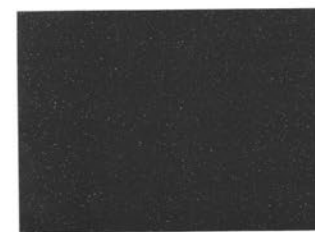
Cu



Pb

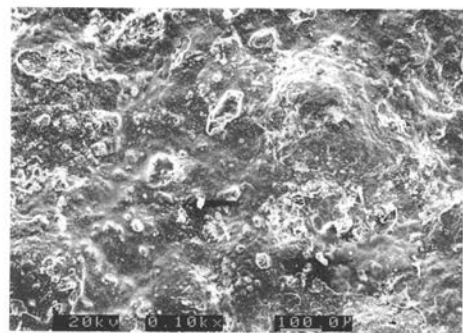


Fe

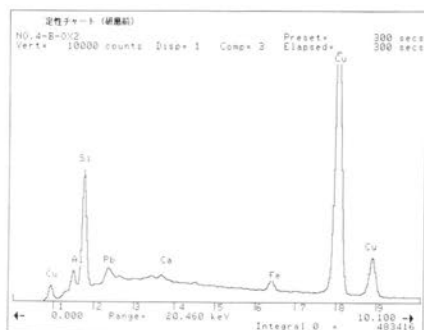


Sn

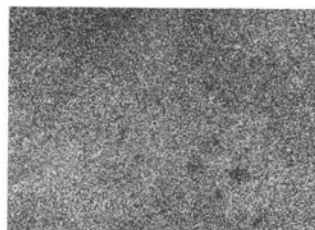
権現後遺跡出土の巡方28 蛍光X線スペクトル及び面分析写真B-① 研磨前・後



SE



×100  
100 μm



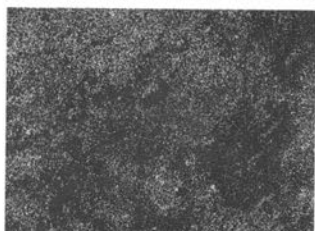
Cu



Pb



Fe



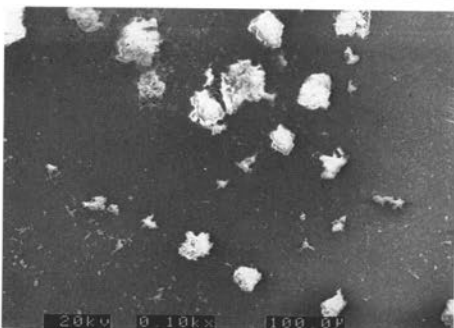
Sn



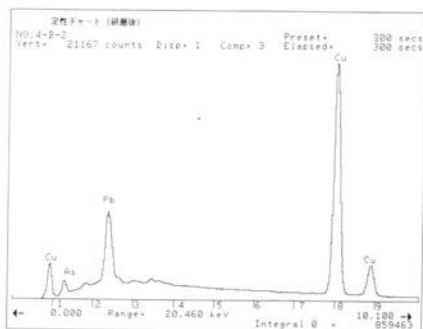
As



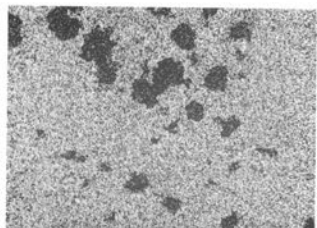
Al



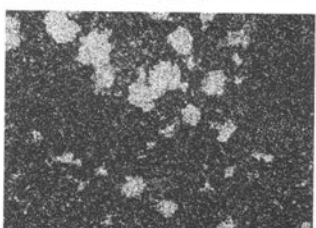
SE



×100  
100 μm



Cu



Pb



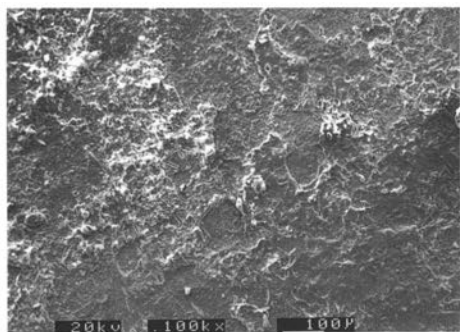
Fe



Sn

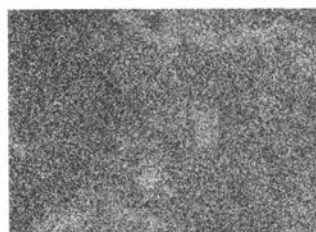
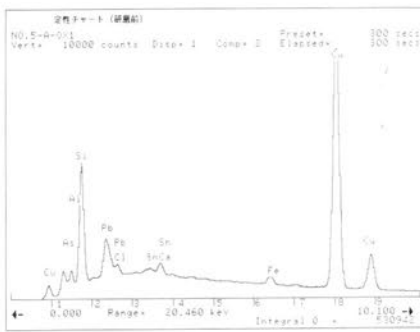


As

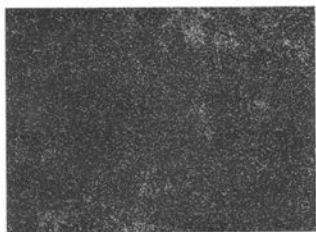


SE

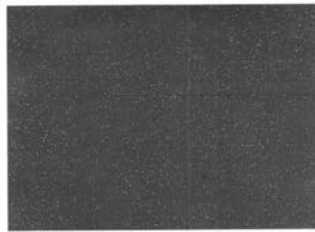
×100  
100µm



Cu



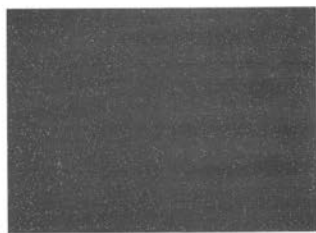
Pb



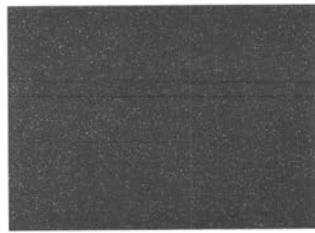
Fe



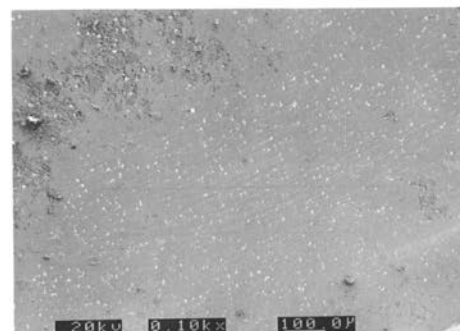
Sn



As

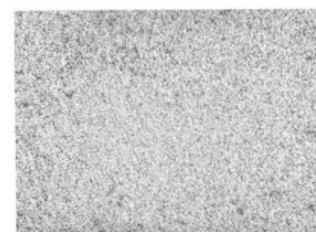
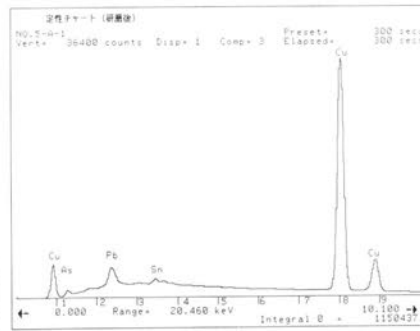


Al

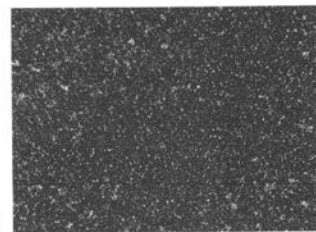


SE

×100  
100µm



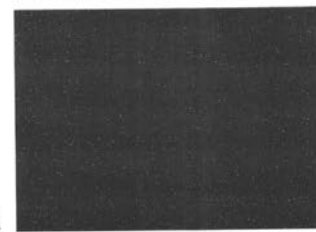
Cu



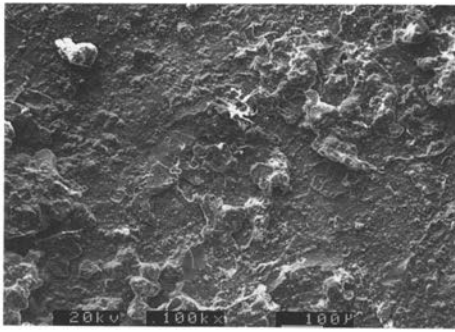
Pb



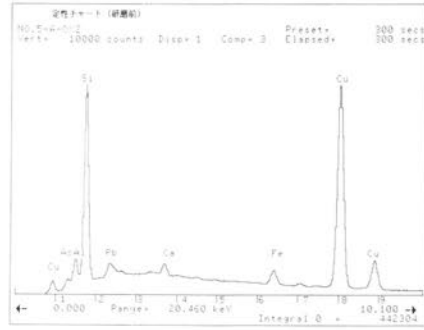
Sn



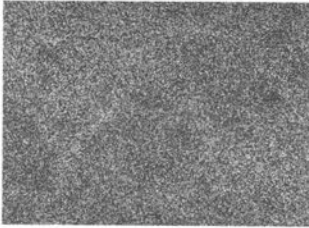
As



SE



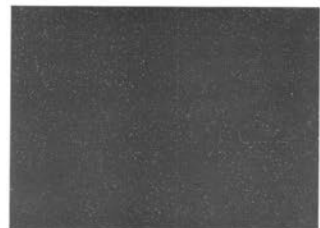
×100  
100 μm



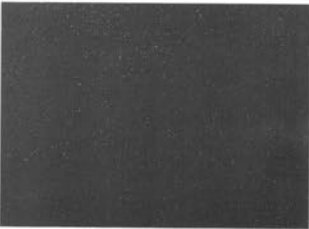
Cu



Pb



Fe



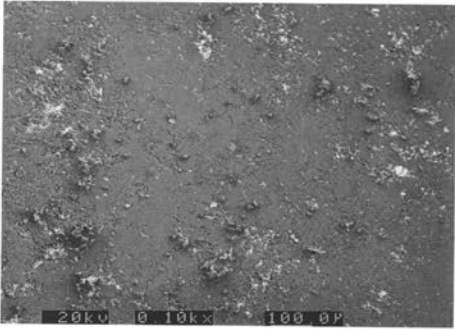
Sn



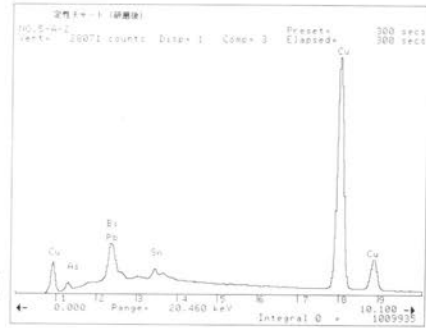
As



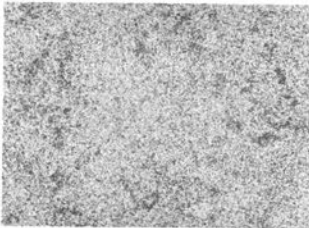
Al



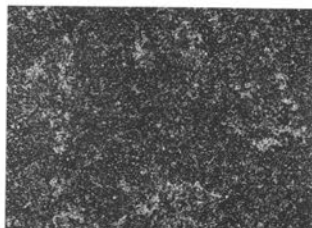
SE



×100  
100 μm



Cu



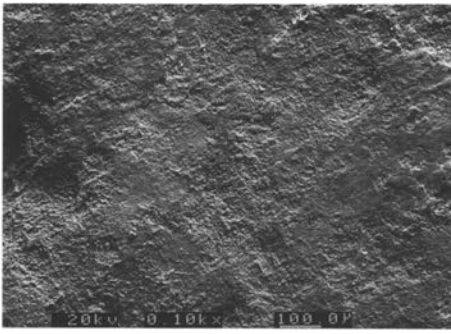
Pb



Sn

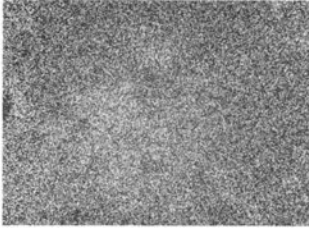
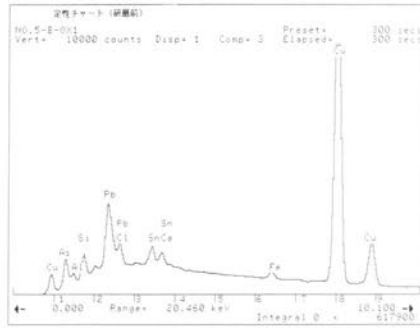


As

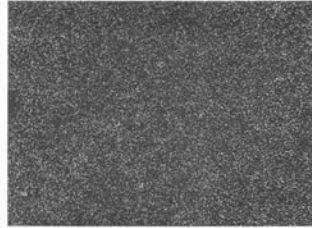


SE

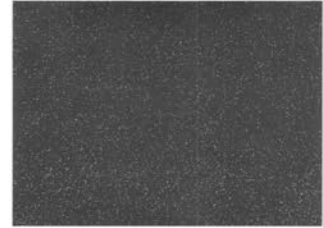
×100  
100µm



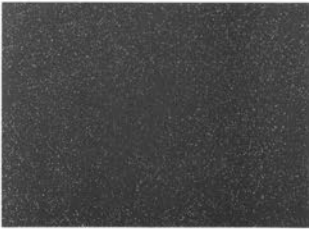
Cu



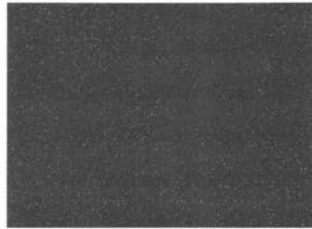
Pb



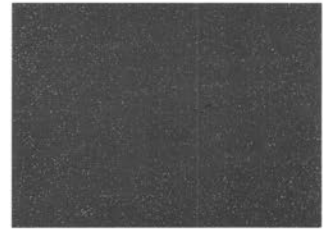
Fe



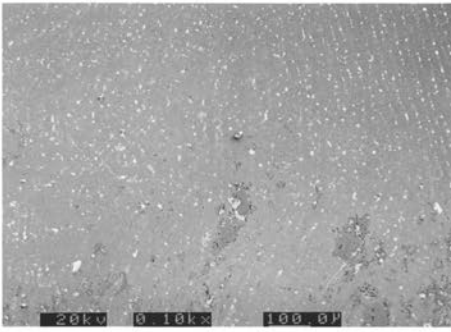
Sn



As

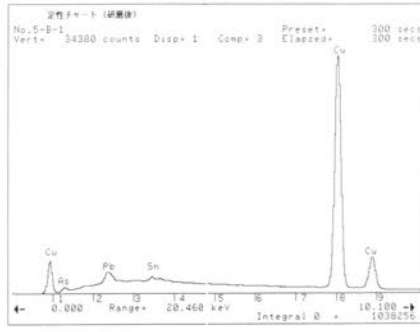


Al

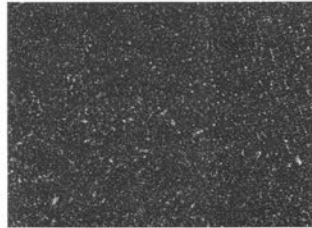


SE

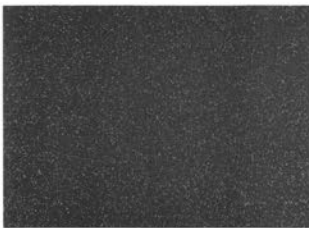
×100  
100µm



Cu



Pb



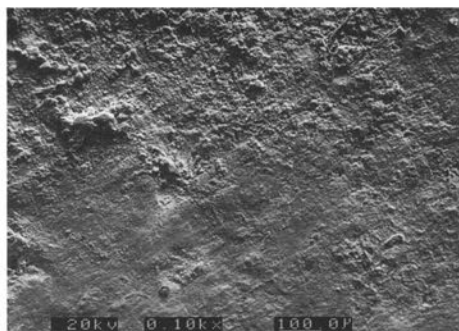
Sn



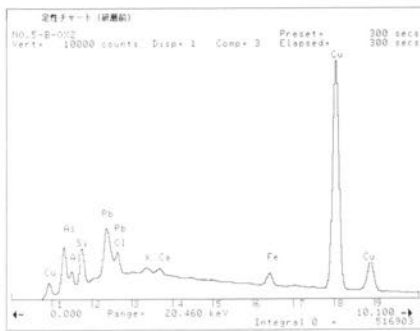
As

権現後遺跡出土の鉞尾裏金29 蛍光X線スペクトル及び面分析写真B-① 研磨前・後

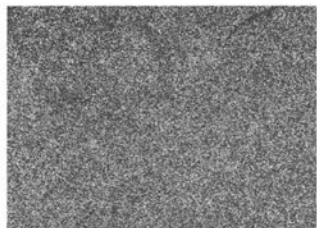




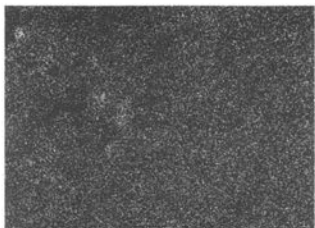
SE



×100  
100 μm



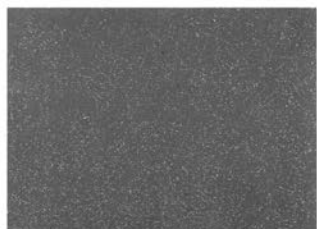
Cu



Pb



Fe



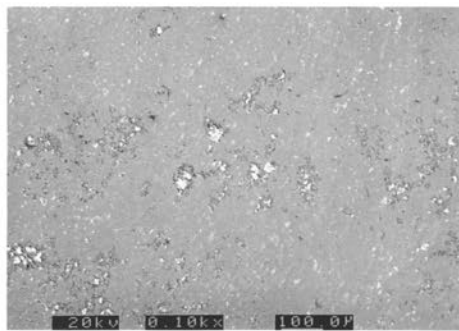
Sn



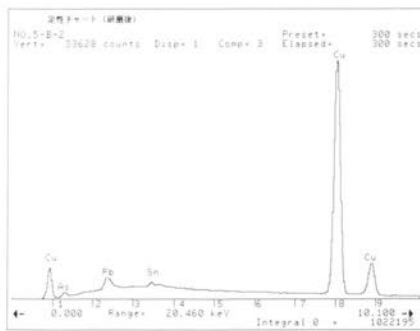
As



Al



SE



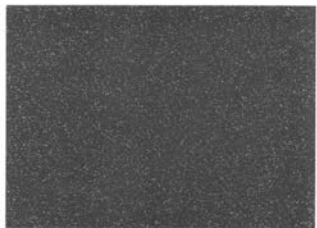
×100  
100 μm



Cu



Pb

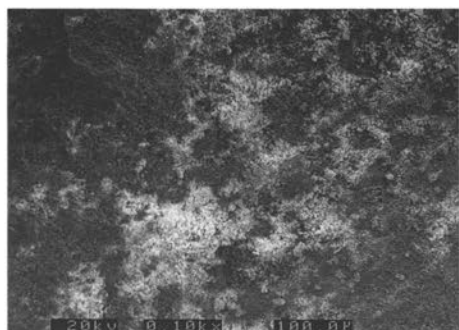


Sn



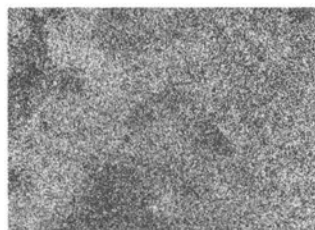
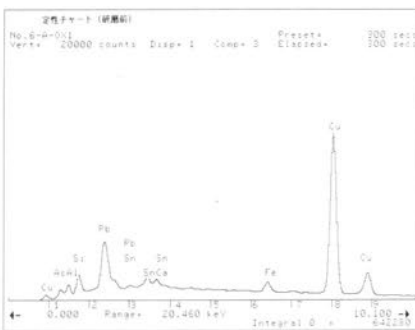
As



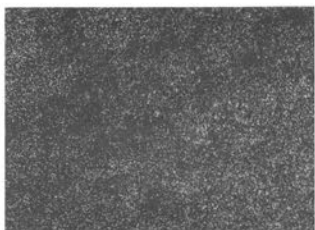


SE

×100  
100 μm



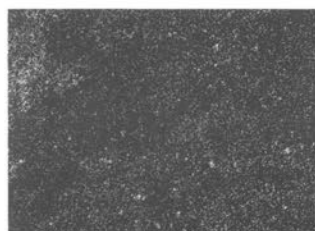
Cu



Pb



Fe



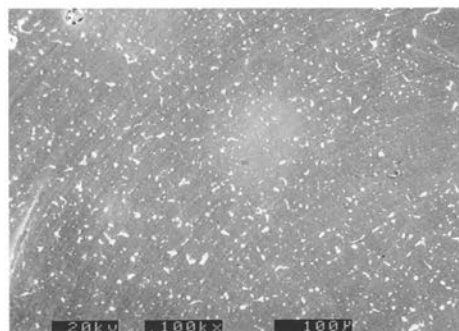
Sn



Si

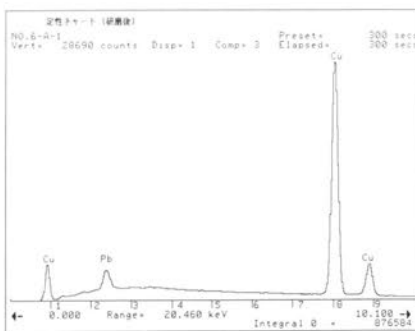


Al

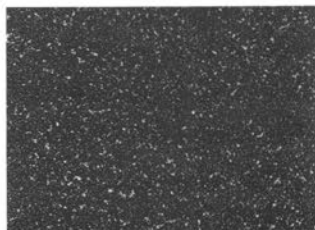


SE

×100  
100 μm



Cu

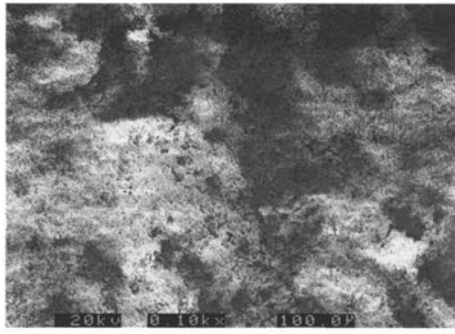


Pb

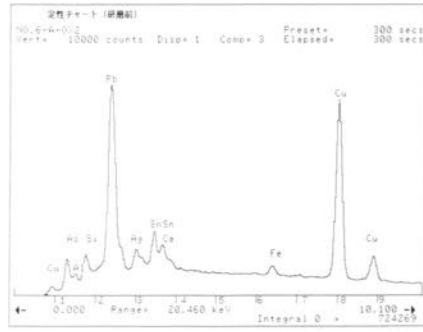


Sn

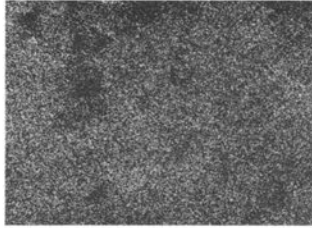
高沢遺跡出土の丸軋30 蛍光X線スペクトル及び面分析写真A-① 研磨前・後



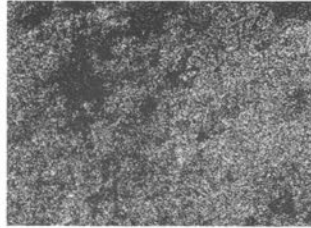
SE



×100  
100 μm



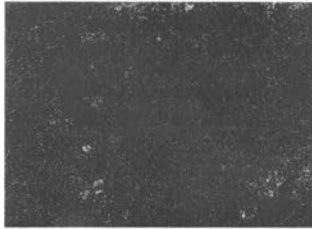
Cu



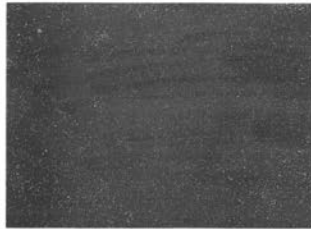
Pb



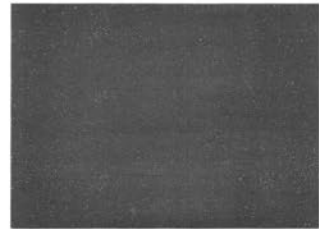
Fe



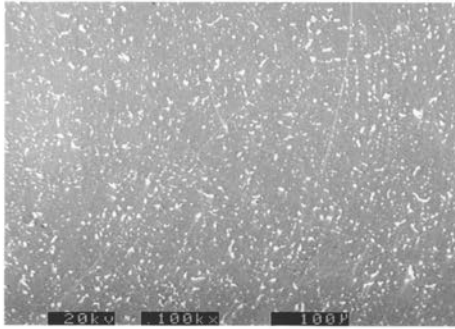
Sn



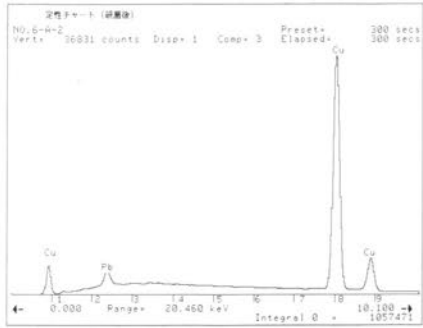
Si



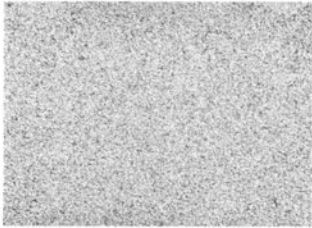
Al



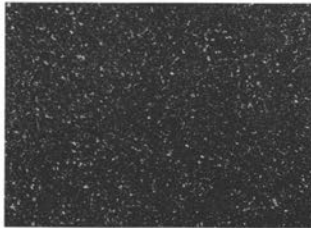
SE



×100  
100 μm



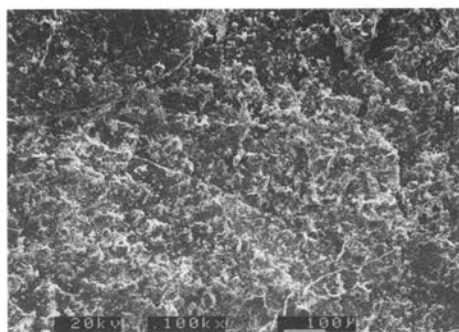
Cu



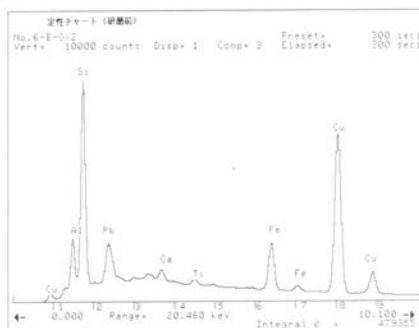
Pb



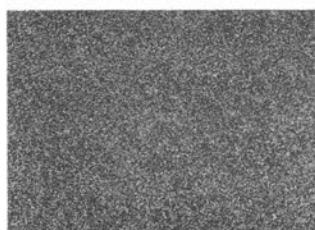
Sn



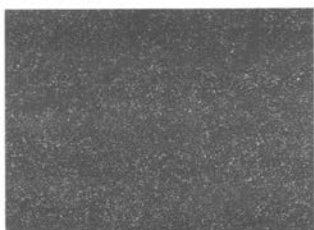
SE



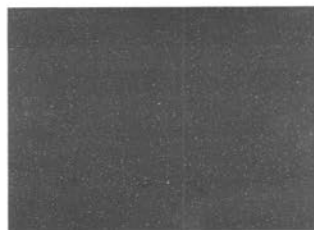
×100  
100µm



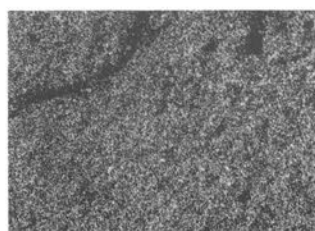
Cu



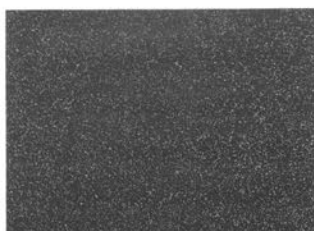
Pb



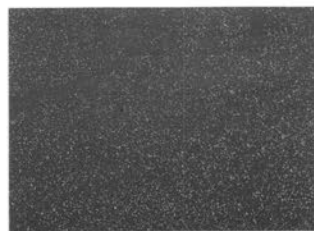
Fe



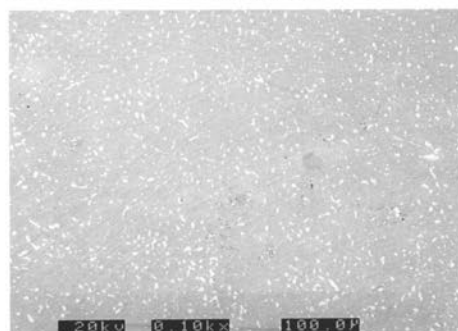
Sn



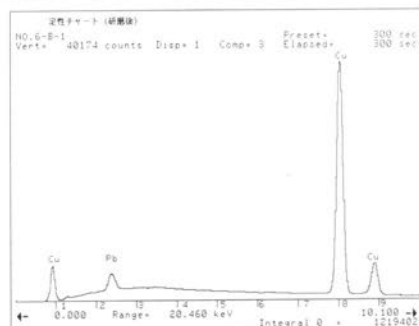
Si



Al



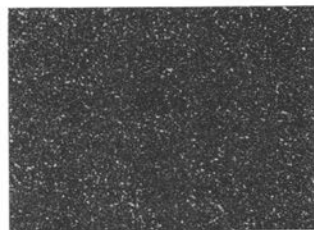
SE



×100  
100µm



Cu

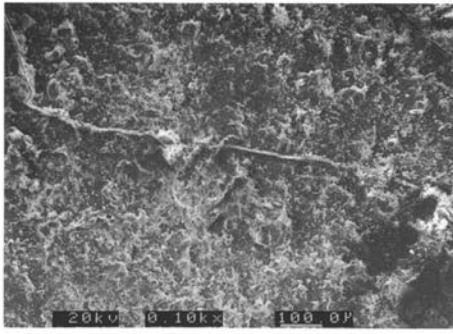


Pb



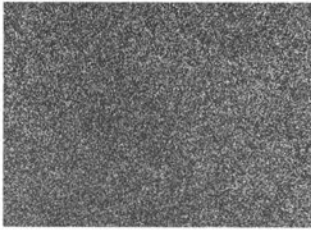
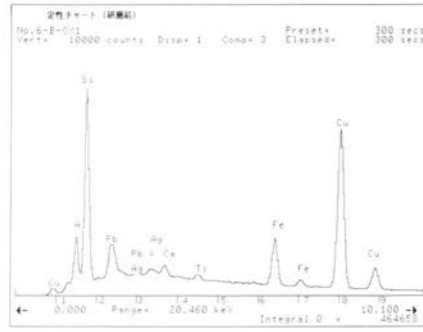
Sn

高沢遺跡出土の丸軋30 蛍光X線スペクトル及び面分析写真B-① 研磨前・後

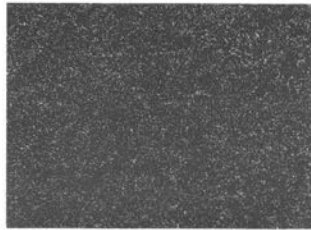


SE

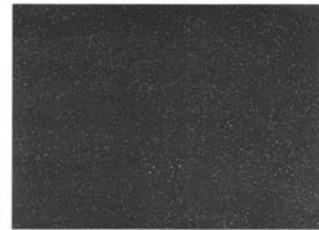
×100  
100µm



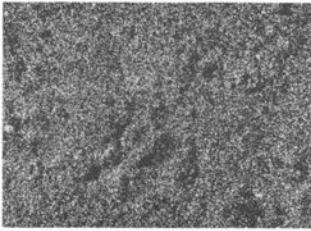
Cu



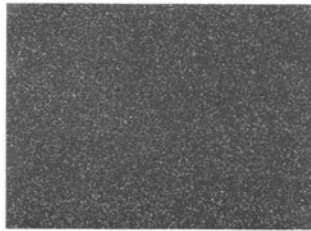
Pb



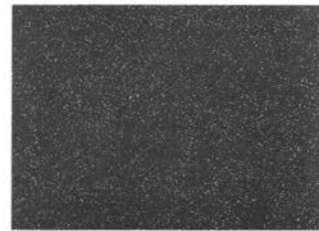
Fe



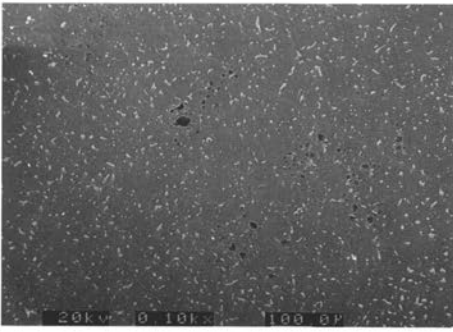
Sn



Si

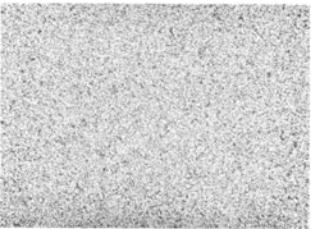
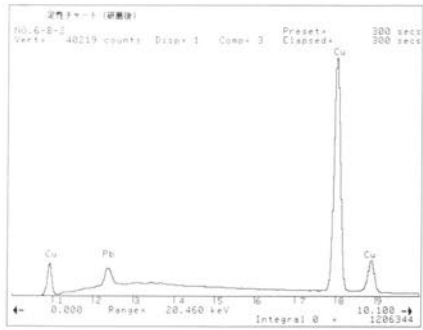


Al

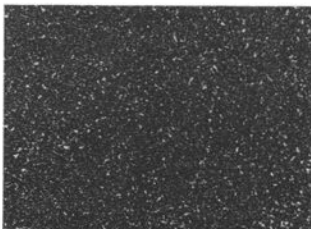


SE

×100  
100µm



Cu

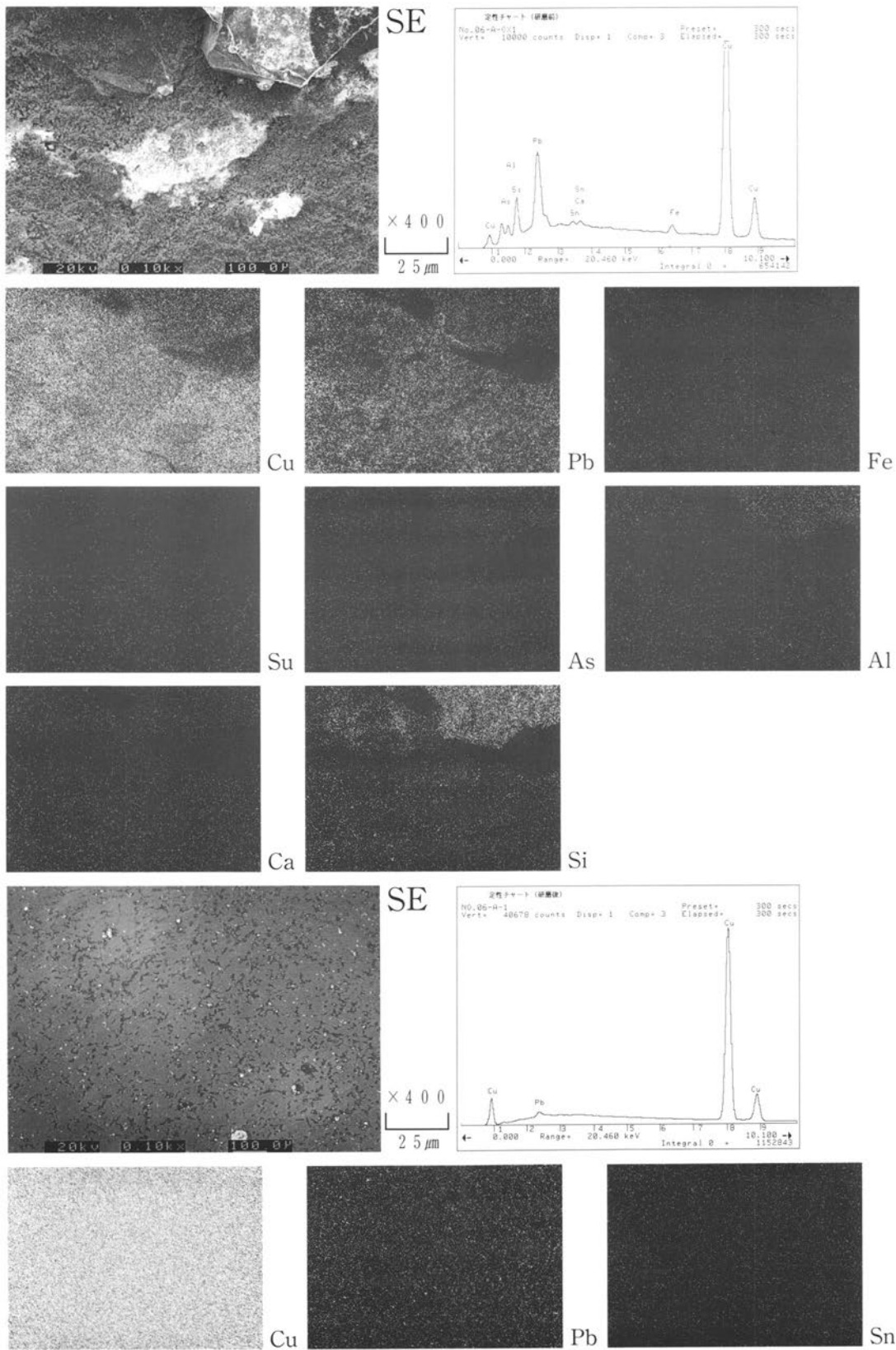


Pb

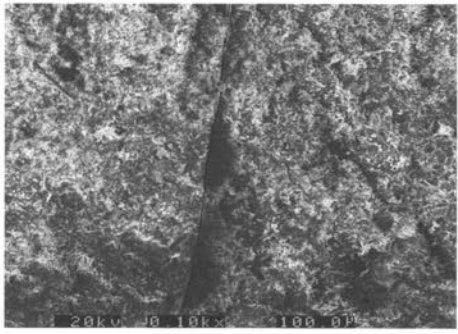


Sn

高沢遺跡出土の丸軋30 蛍光X線スペクトル及び面分析写真B-② 研磨前・後

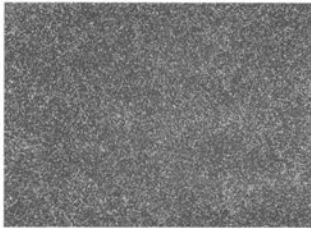
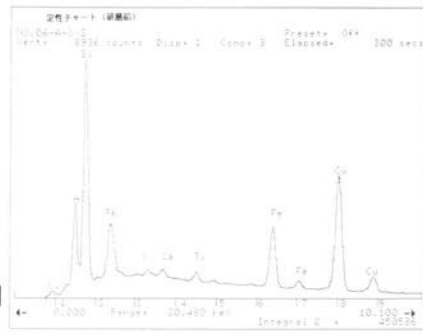


高沢遺跡出土の丸柄裏金31 蛍光X線スペクトル及び面分析写真A-① 研磨前・後

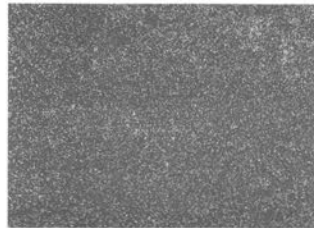


SE

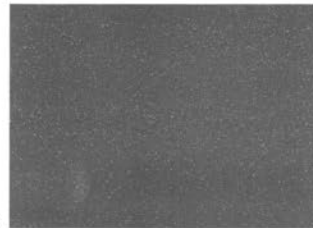
×400  
2.5 μm



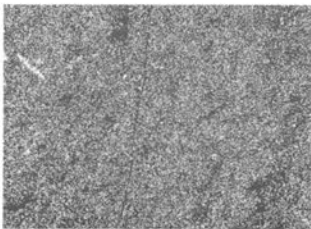
Cu



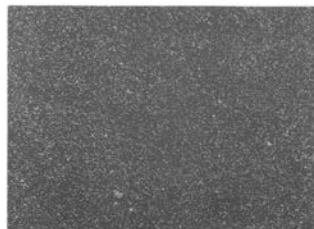
Pb



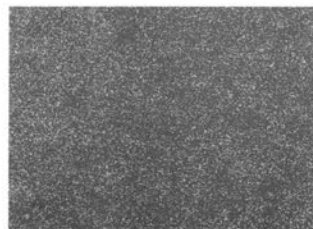
Fe



Su



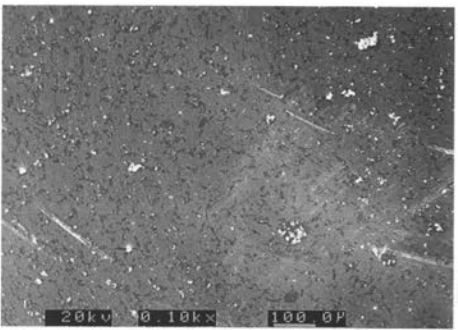
Si



Al

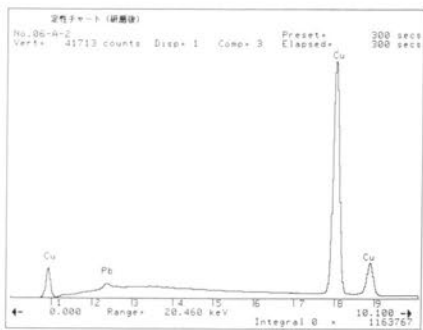


Ca

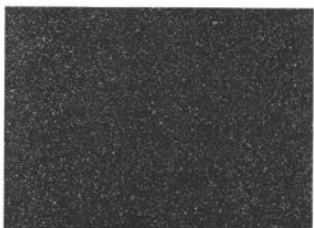


SE

×400  
2.5 μm



Cu

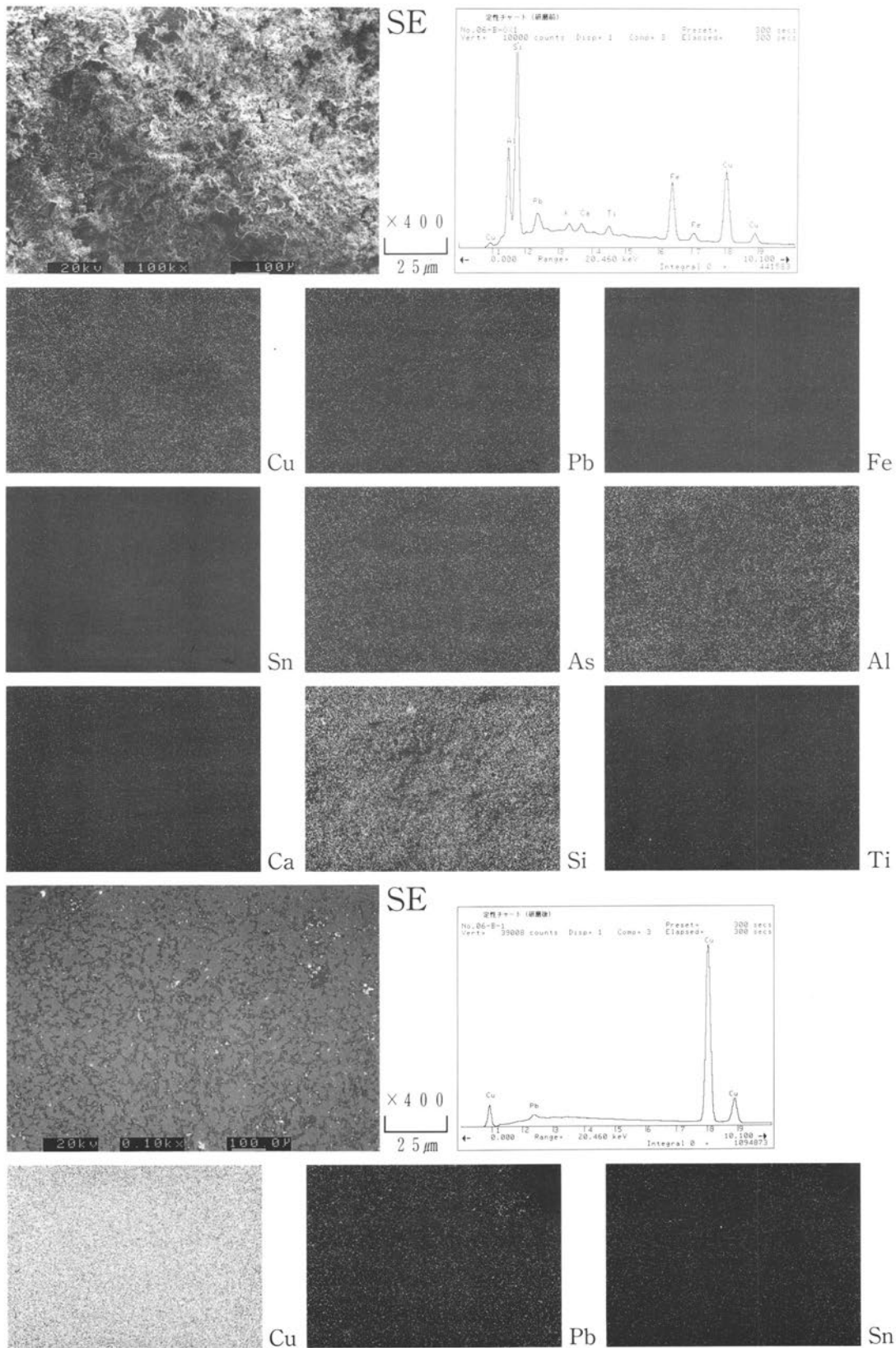


Pb



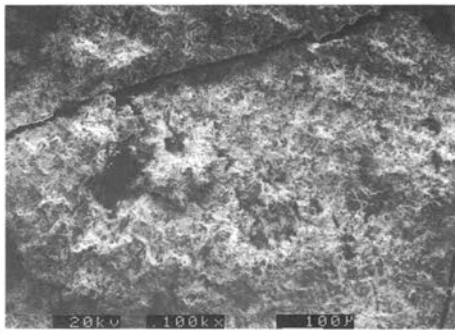
Sn



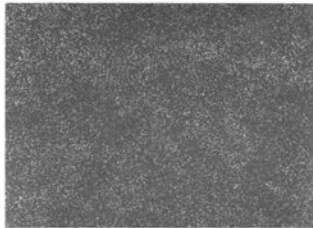
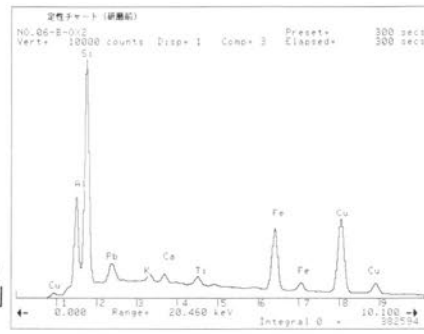


高沢遺跡出土の丸軋裏金31蛍光X線スペクトル及び面分析写真B-① 研磨前・後

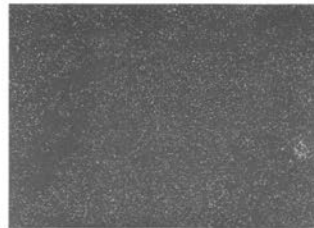




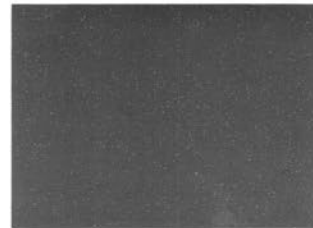
SE



Cu



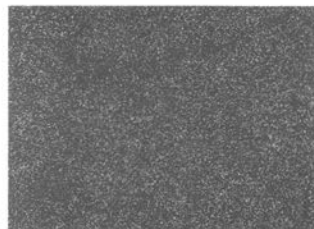
Pb



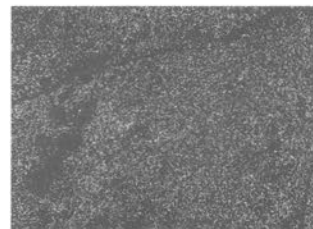
Fe



Sn



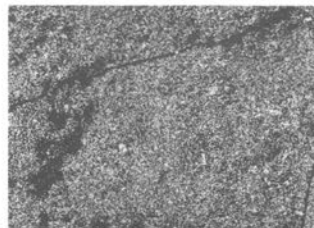
As



Al



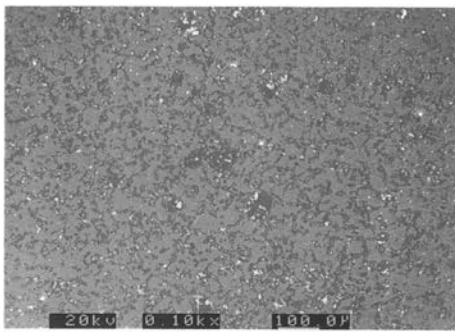
Ca



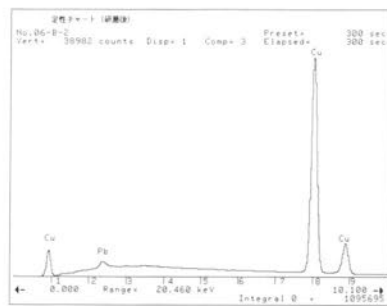
Si



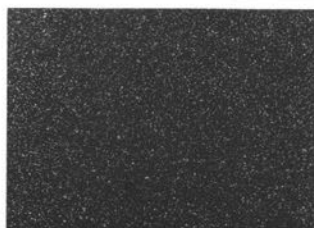
Ti



SE



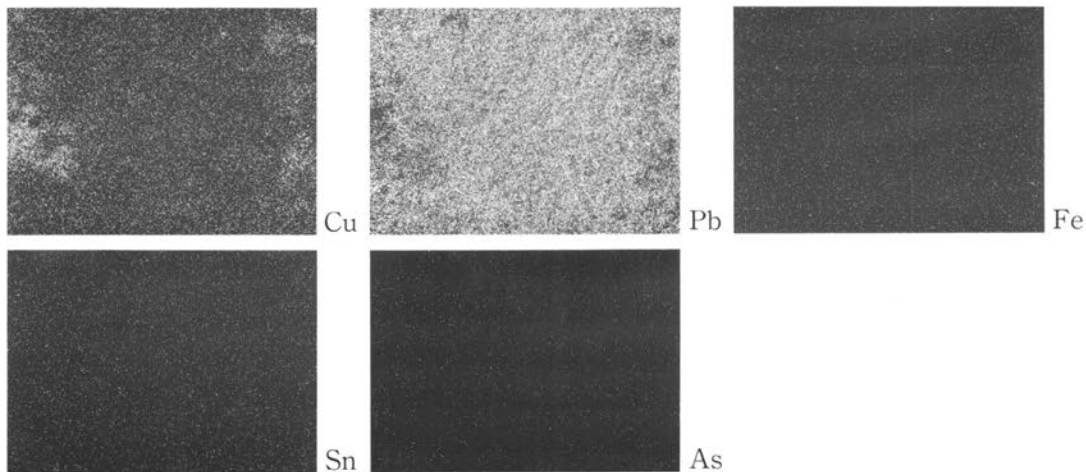
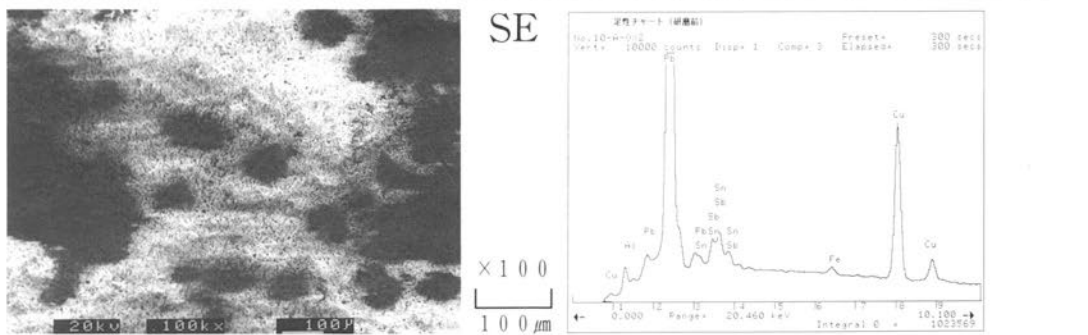
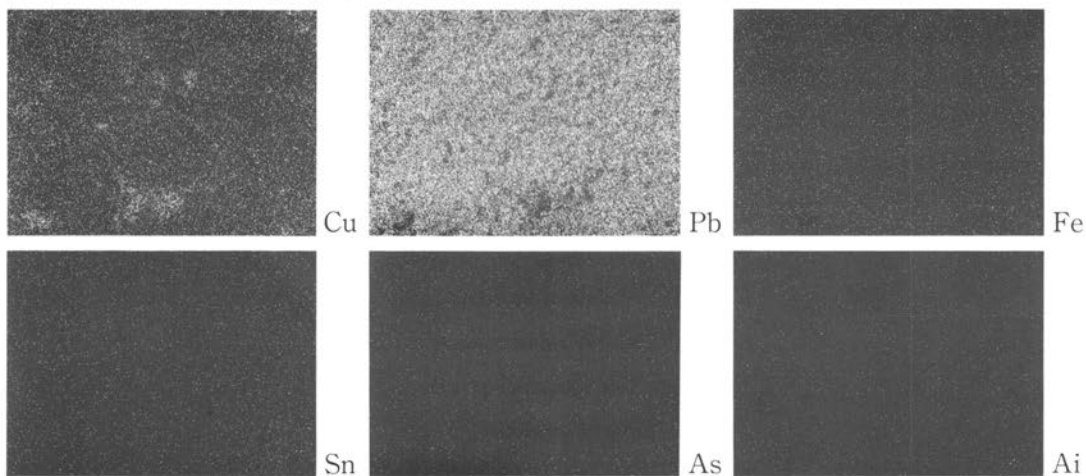
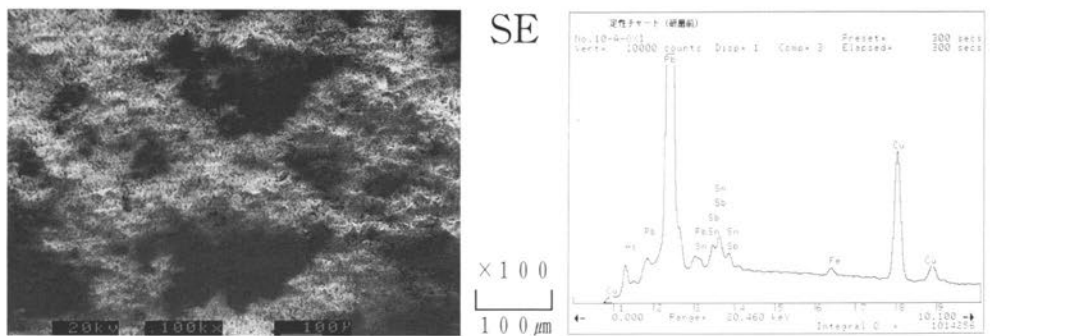
Cu



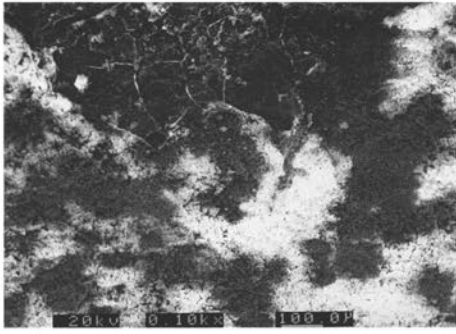
Pb



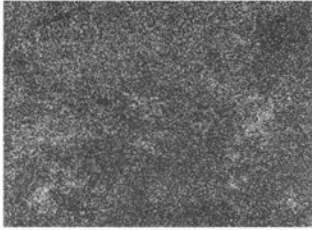
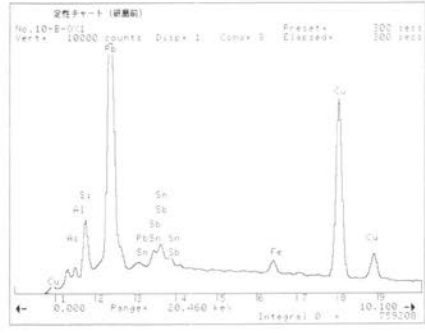
Sn



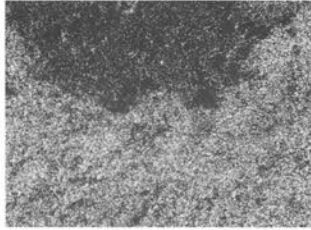
高沢遺跡出土の丸軋33 蛍光X線スペクトル及び面分析写真A-①・②研磨前



SE



Cu



Pb



Fe



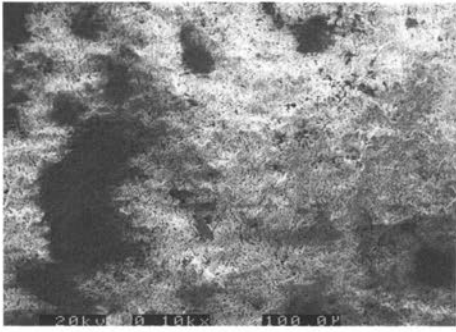
Sn



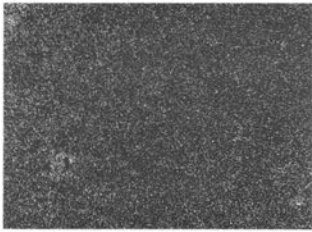
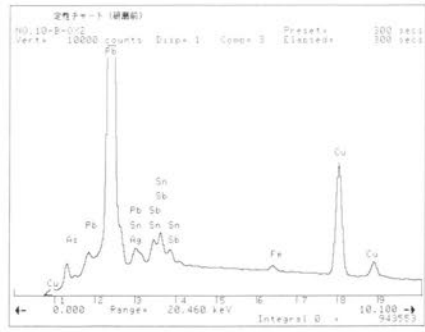
As



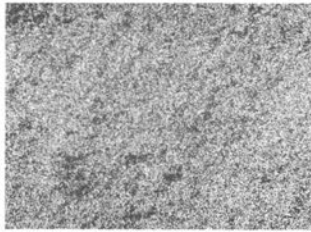
Al



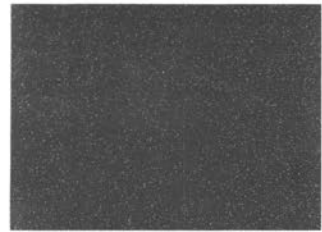
SE



Cu



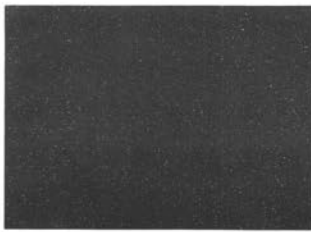
Pb



Fe



Sn

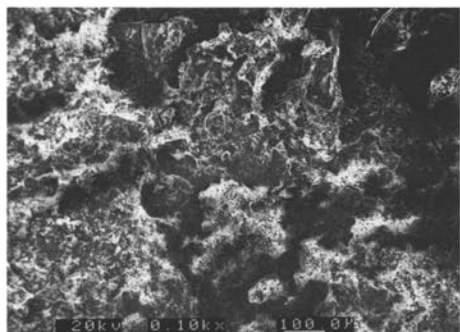


As

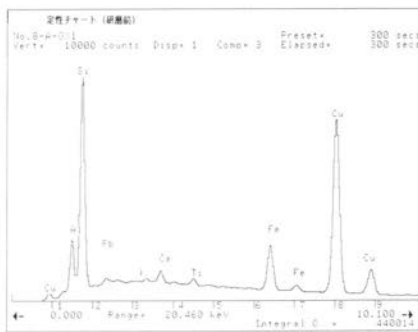


Al

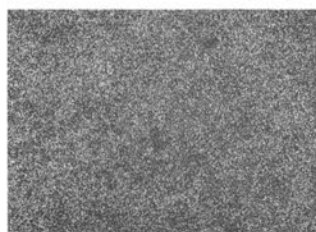
高沢遺跡出土の丸軋33 蛍光X線スペクトル及び面分析写真B-①・②研磨前



SE



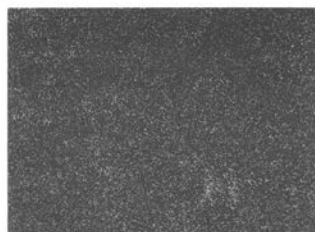
×100  
100µm



Cu



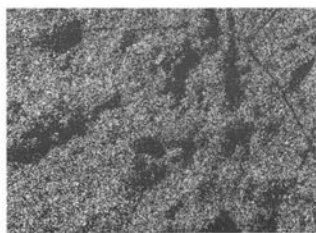
Pb



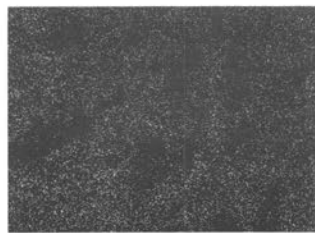
Fe



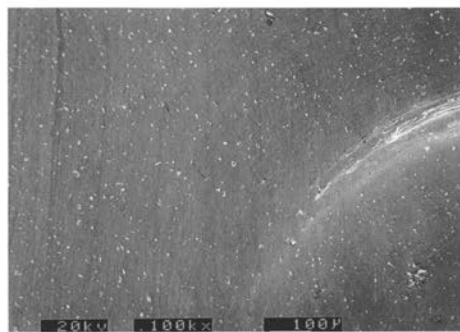
Sn



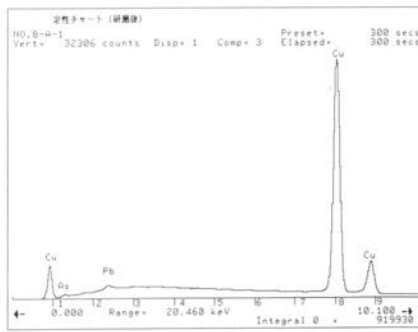
Si



Al



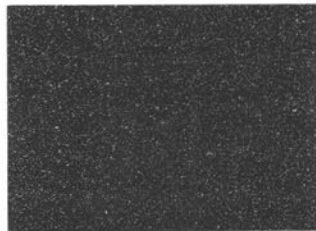
SE



×100  
100µm



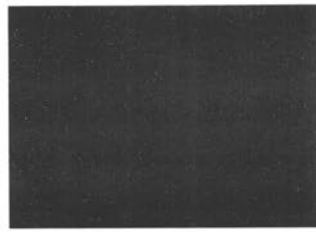
Cu



Pb

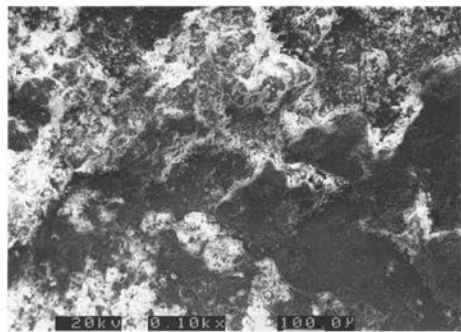


Sn

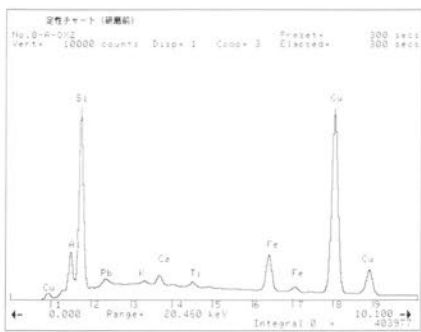


As

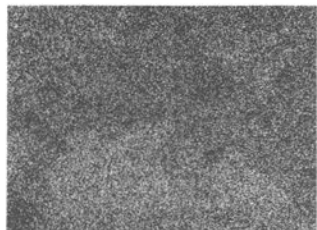
高沢遺跡出土の鉦尾裏金34 蛍光X線スペクトル及び面分析写真A-① 研磨前・後



SE



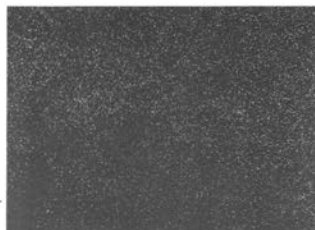
×100  
100 μm



Cu



Pb



Fe



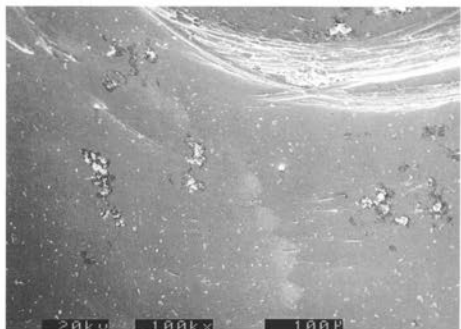
Sn



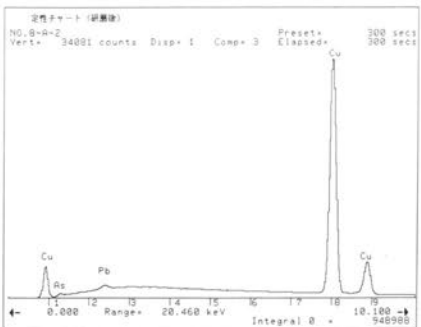
Si



Al



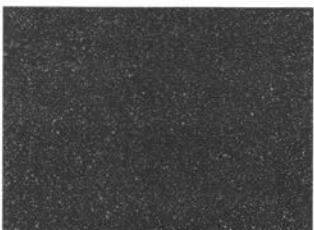
SE



×100  
100 μm



Cu



Pb



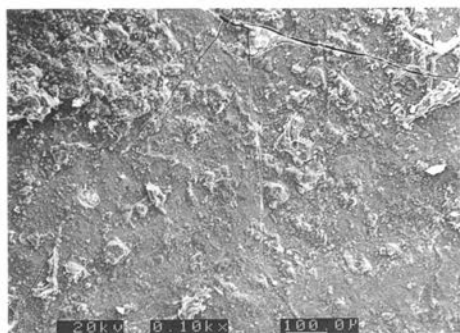
Sn



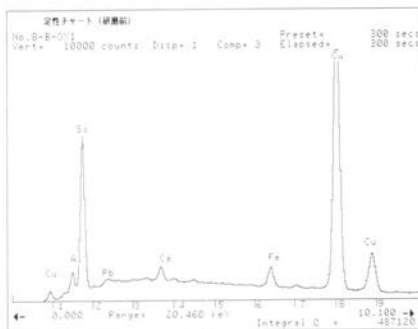
As

高沢遺跡出土の鉈尾裏金34 蛍光X線スペクトル及び面分析写真A-② 研磨前・後

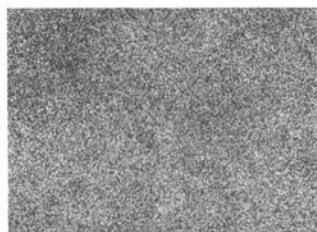




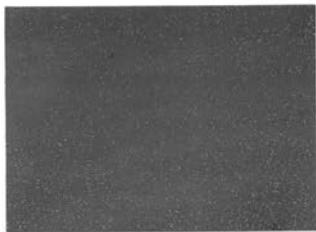
SE



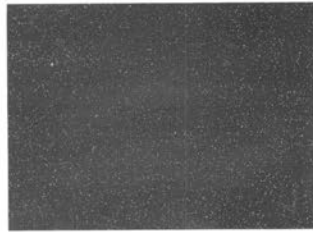
×100  
100 μm



Cu



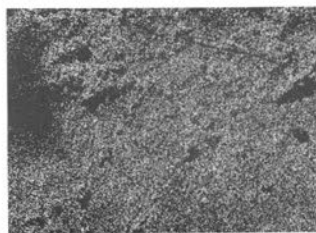
Pb



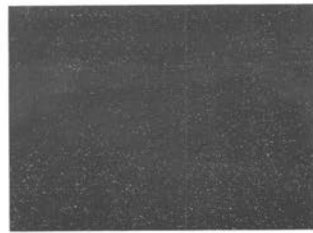
Fe



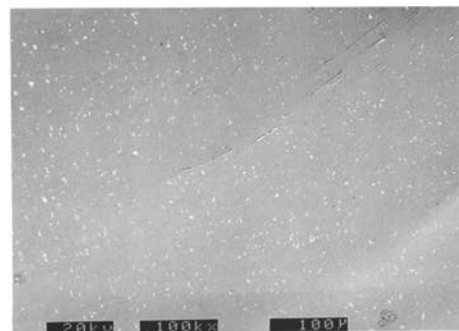
Sn



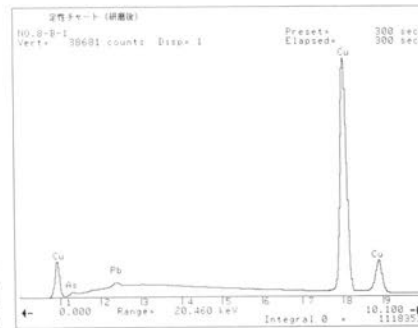
Si



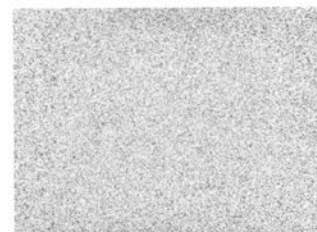
Al



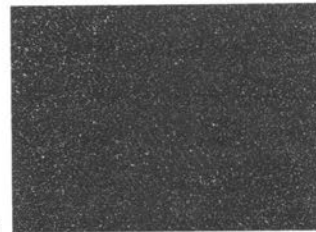
SE



×100  
100 μm



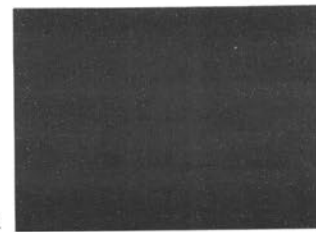
Cu



Pb

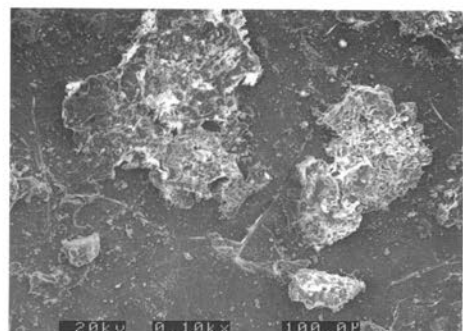


Sn

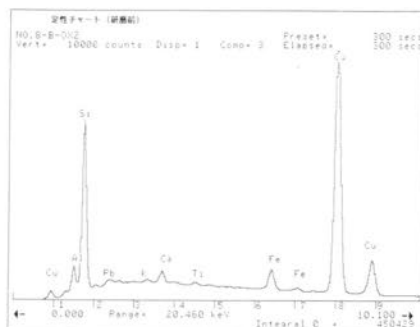


As

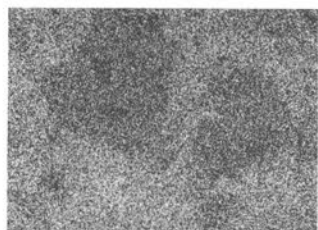
高沢遺跡出土の鉞尾裏金34 蛍光X線スペクトル及び面分析写真B-① 研磨前・後



SE



×100  
100 μm



Cu



Pb



Fe



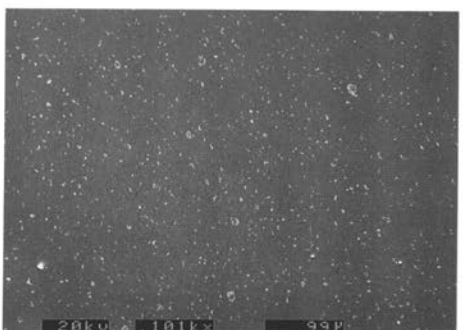
Sn



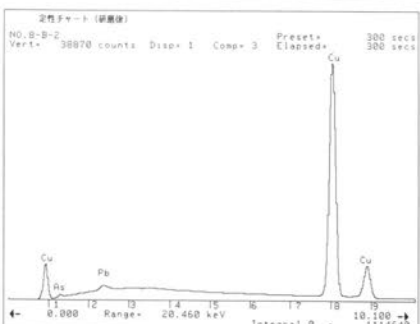
Si



Al



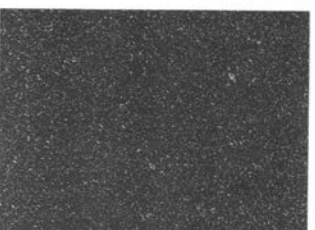
SE



×100  
100 μm



Cu



Pb



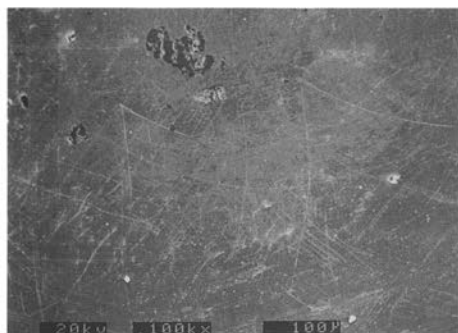
Sn



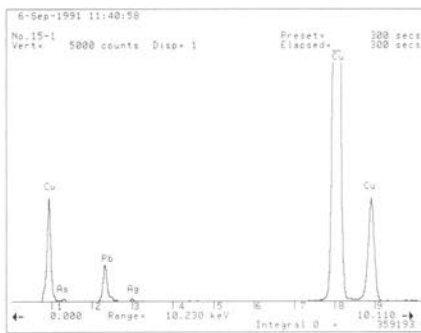
As

高沢遺跡出土の鉞尾裏金34 蛍光X線スペクトル及び面分析写真B-② 研磨前・後

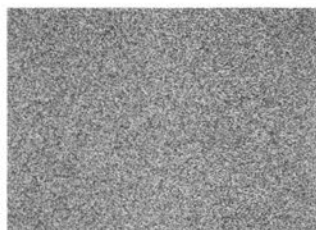




SE



×100  
100 μm



Cu



Pb



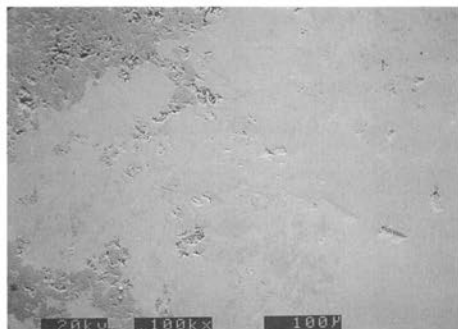
Ag



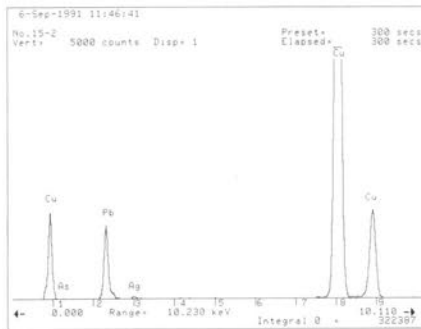
Sn



As



SE



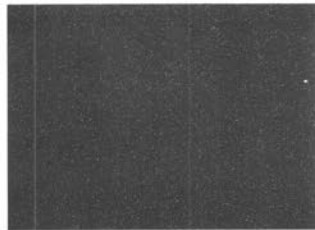
×100  
100 μm



Cu



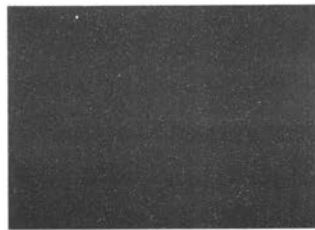
Pb



Ag

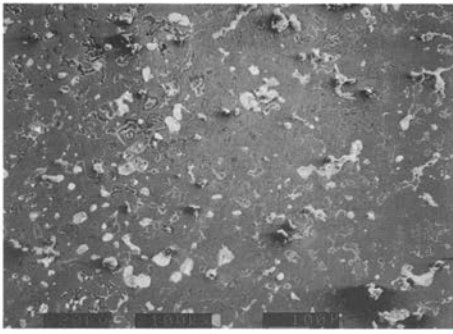


Sn

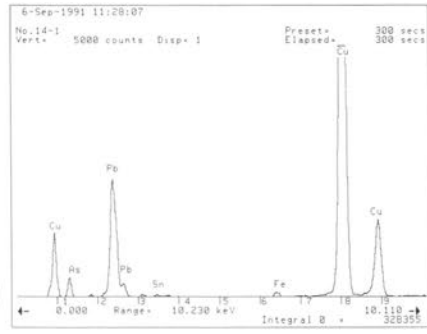


As

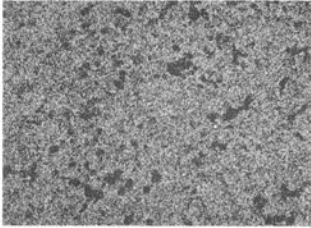
木戸下遺跡出土の刀装具35 蛍光X線スペクトル及び面分析写真 ①・②



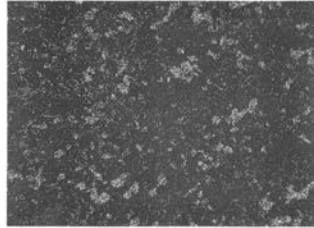
SE



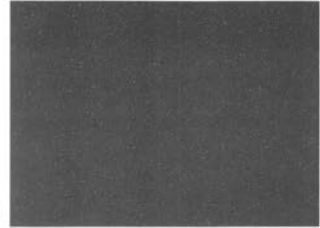
×100  
100 μm



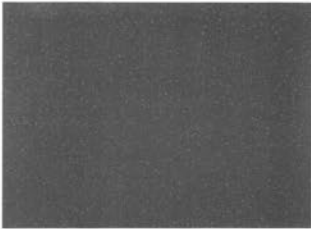
Cu



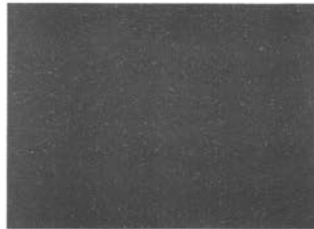
Pb



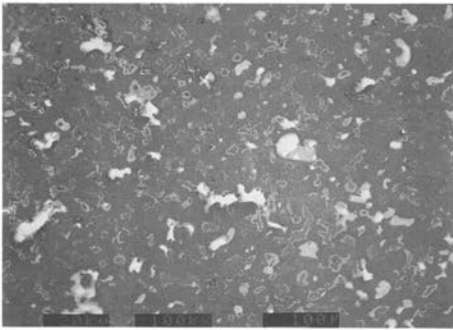
Fe



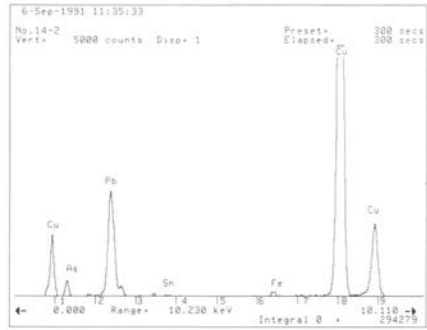
Sn



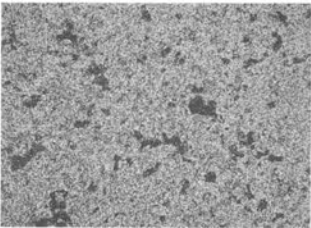
As



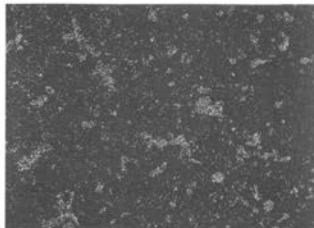
SE



×100  
100 μm



Cu



Pb



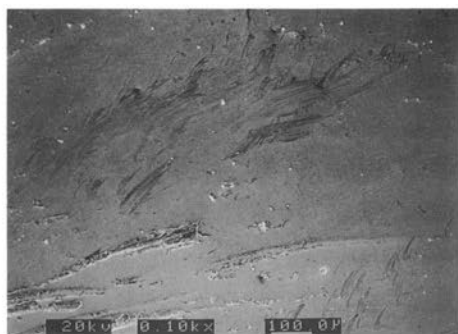
Fe



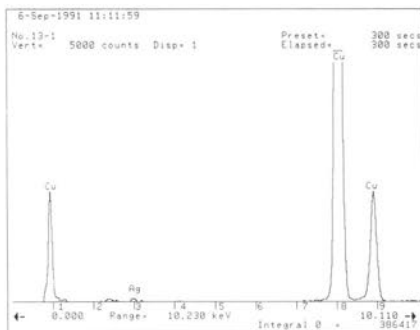
Sn



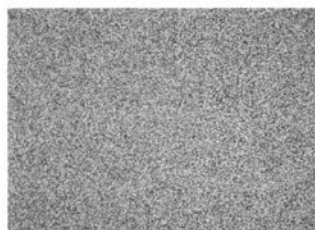
As



SE



× 100  
100 µm



Cu



Pb



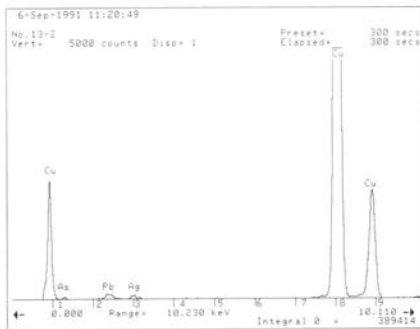
Ag



Sn



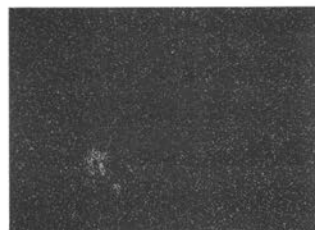
SE



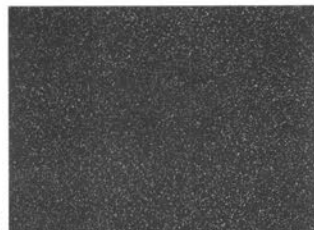
× 100  
100 µm



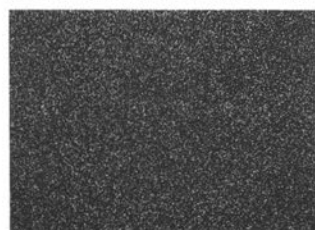
Cu



Pb

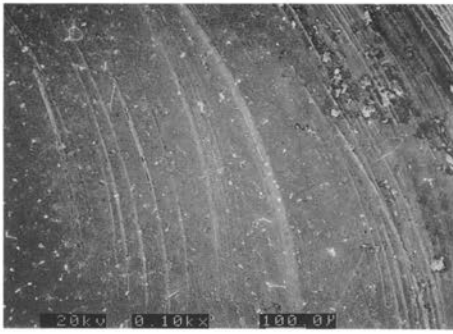


Ag

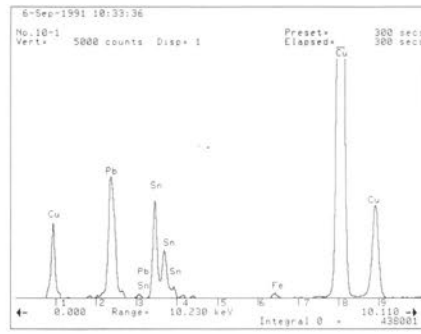


Sn

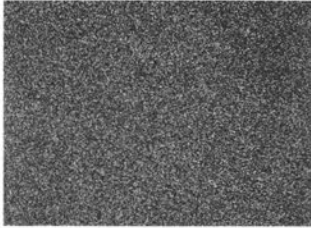
吉原三王遺跡出土の合子蓋37 蛍光X線スペクトル及び面分析写真 ①・②



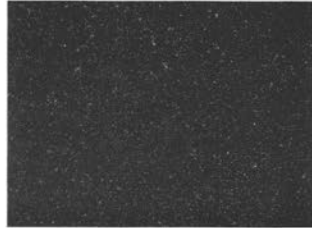
SE



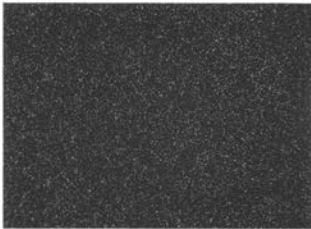
X100  
100 μm



Cu



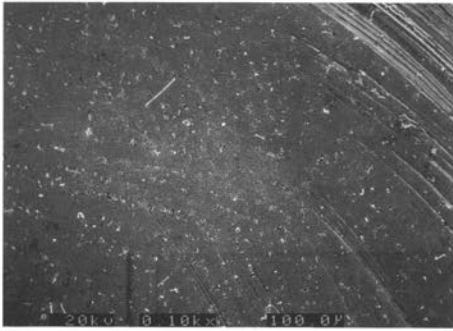
Pb



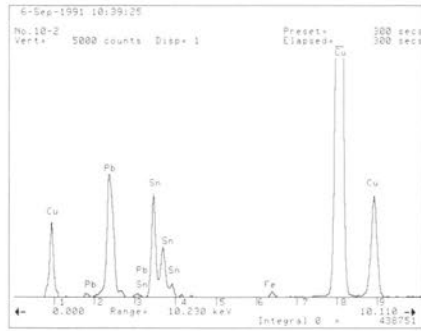
Sn



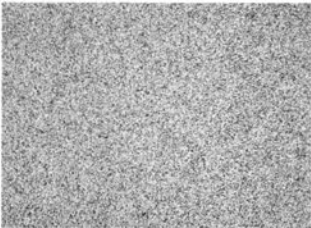
As



SE



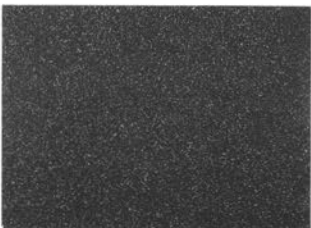
X100  
100 μm



Cu



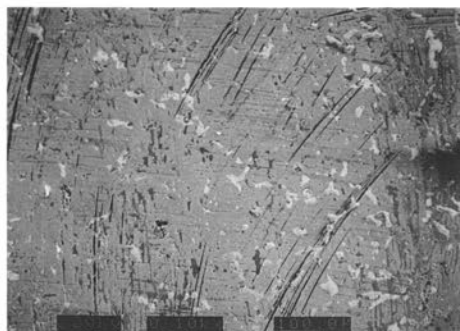
Pb



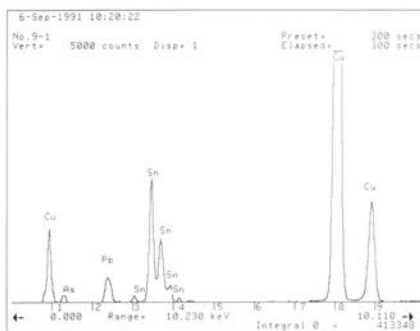
Sn



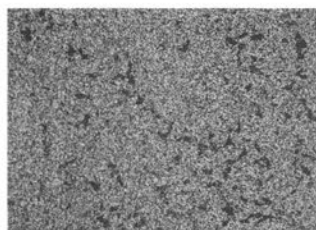
As



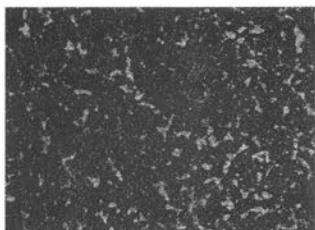
SE



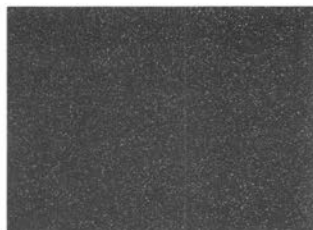
× 100  
100 μm



Cu



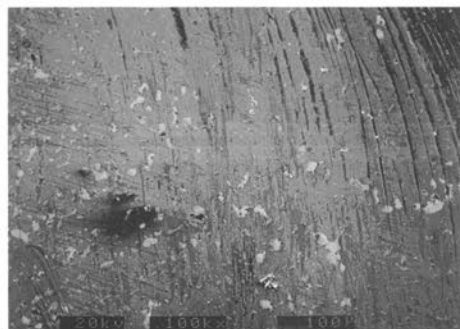
Pb



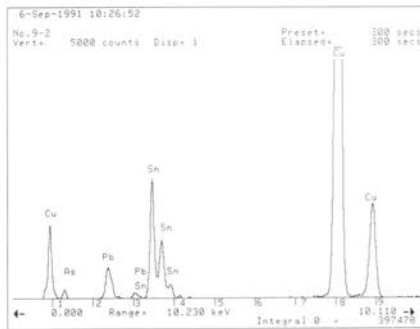
Fe



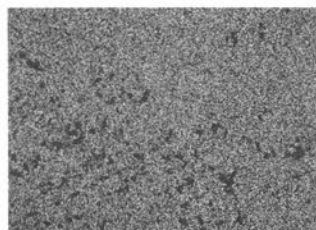
Sn



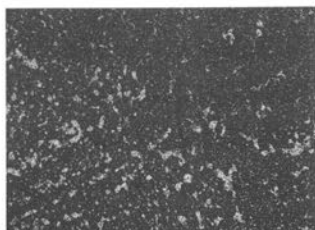
SE



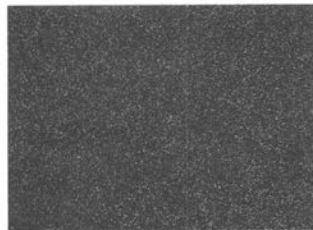
× 100  
100 μm



Cu



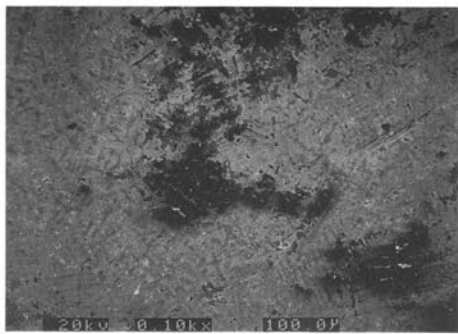
Pb



Fe

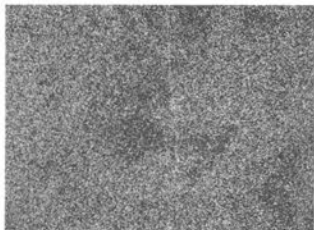
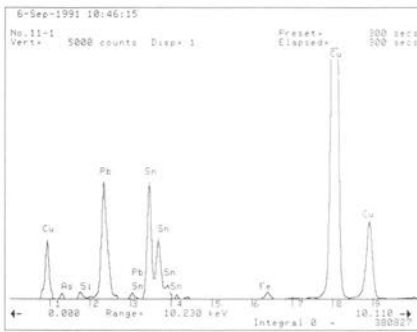


Sn

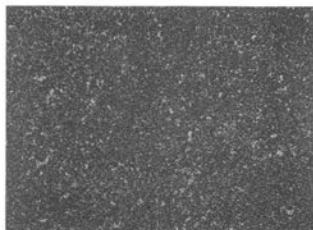


SE

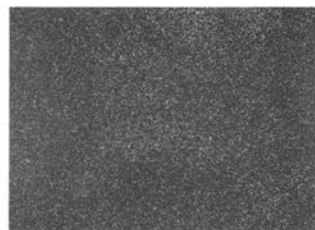
×100  
100 μm



Cu



Pb



Fe



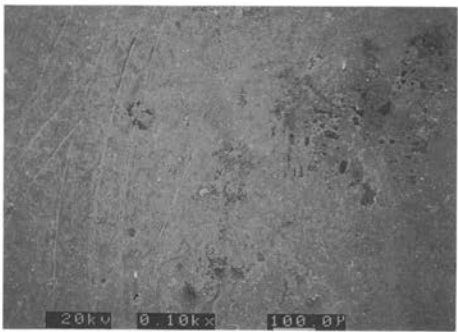
Sn



As

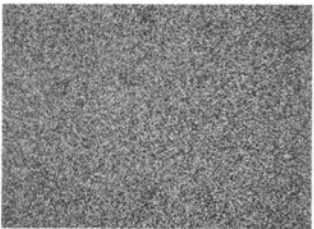
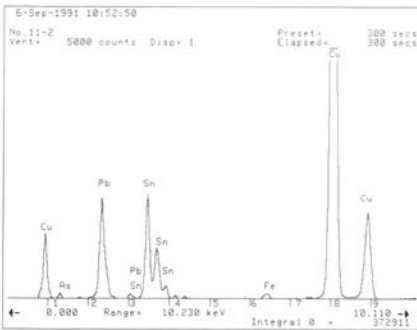


Si

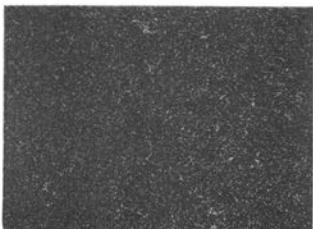


SE

×100  
100 μm



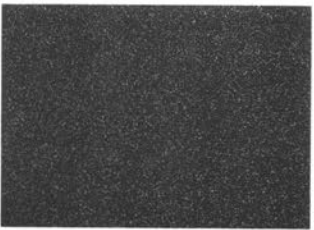
Cu



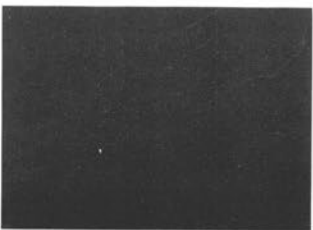
Pb



Fe

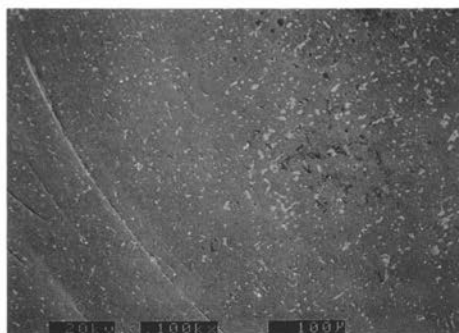


Sn

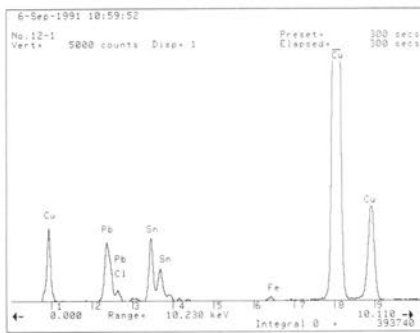


As





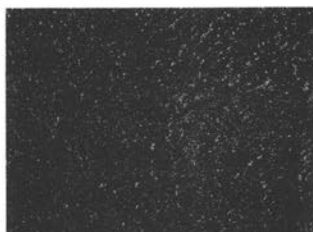
SE



× 100  
 100 μm



Cu



Pb



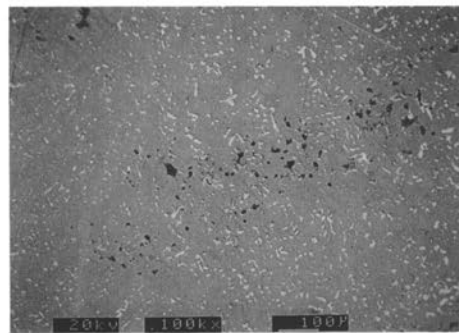
Fe



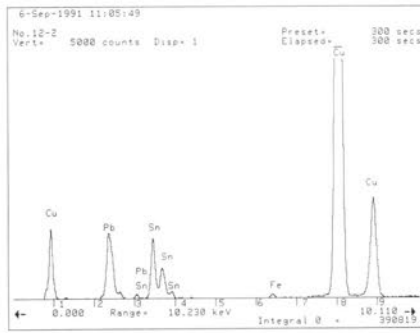
Sn



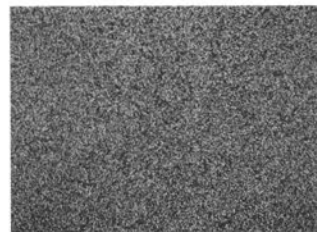
Cl



SE



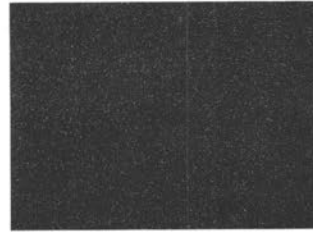
× 100  
 100 μm



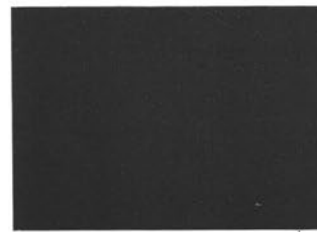
Cu



Pb



Fe



Sn

	EDX	EPMA
加速電流	20kV	15kA
試料電流	200pA	50nA
倍率(SE/X線像)	×100	×200
ビーム照射面積	約1mmφ	約100μmφ
定量分析積算時間	300sec	10sec
EDXエネルギー検出範囲	0~10kV	

SEM：明石製作所 ABT-55

EDX：KEVEX社 DELTA

EPMA：島津製作所EPMA-8705

第5表 分析条件

千葉県文化財センター研究紀要17

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