

2002

PVN Op 202A0/043 Osteological Analyses

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Additional Comments

202 AD1043, Burial #2, Observer #9, 16 July 2002

Antemortem tooth loss with alveolar resorption is present from lower right I₂ through lower right M₃, and from lower left P₃ through lower left M₂.

An abscess is present in the place where the lower right P₄ would be.

The mental symphysis is still visible just below the mandibular spine.

2 single-rooted tooth roots and one crown fragment are also present, but can't be specifically identified.

PALEOPATHOLOGY RECORDING FORM II
VERTEBRAL PATHOLOGY, ARTHRITIS, AND MISCELLANEOUS

Site Name/Number Las Canoas, 202 Observer 9
 Feature/Burial Number 202 AC/043, Burial #2 Date July 17, 2002
 Burial/Skeleton Number _____
 Present Location of Collection _____

7.0 VERTEBRAL PATHOLOGY

Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____
Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____
Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____
Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____
Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____

8.0 ARTHRITIS

Bone <u>3.4.0</u>	Bone <u>3.4.0</u>	Bone <u>4.3.5</u>	Bone <u>4.1.0</u>	Bone _____	Bone _____
Side <u>2</u>	Side <u>1</u>	Side <u>2</u>	Side <u>1</u>	Side _____	Side _____
Section/	Section/	Section/	Section/	Section/	Section/
Aspect <u>1/5</u>	Aspect <u>1/5</u>	Aspect <u>3/2</u>	Aspect <u>5/9</u>	Aspect _____	Aspect _____
Bone _____	Bone _____	Bone <u>4.3.5</u>	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side <u>2</u>	Side _____	Side _____	Side _____
Section/	Section/	Section/	Section/	Section/	Section/
Aspect _____	Aspect _____	Aspect <u>1/1</u>	Aspect _____	Aspect _____	Aspect _____
Obs1 <u>8.1.1</u>	Obs1 <u>8.1.2</u>	Obs1 <u>8.1.1</u>	Obs1 <u>8.1.2</u>	Obs1 _____	Obs1 _____
Obs2 <u>8.2.1</u>	Obs2 <u>8.2.1</u>	Obs2 <u>8.2.0</u>	Obs2 <u>8.2.2</u>	Obs2 _____	Obs2 _____
Obs3 _____	Obs3 _____	Obs3 _____	Obs3 <u>8.3.1</u>	Obs3 _____	Obs3 _____
Obs4 _____	Obs4 _____	Obs4 _____	Obs4 <u>8.4.1</u>	Obs4 _____	Obs4 _____
Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____
Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____
Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____
Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____
Obs9 _____	Obs9 _____	Obs9 _____	Obs9 _____	Obs9 _____	Obs9 _____

MISCELLANEOUS

Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Obs _____	Obs _____	Obs _____	Obs _____	Obs _____	Obs _____
Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Obs _____	Obs _____	Obs _____	Obs _____	Obs _____	Obs _____

COMMENTS

Osteoarthritic lipping is visible around the antero-superior edge of the auricular surface of the sacrum. Lipping is more severe on right auricular surface.

a Bony mass extends from the supero-lateral ridge of the acetabulum about 11.5 mm on to the surface of the acetabulum.

Pedal symphangiosis is present in the middle + distal phalanges of the 3rd or 4th ray of the left foot.

The tarsals showing minor arthritic lipping are the left talus and calcaneus.

PALEOPATHOLOGY RECORDING FORM I
SHAPE, SIZE, BONE LOSS, FORMATION, FRACTURES, AND POROTIC HYPEROSTOSIS

Site Name/Number Las Canoas, 202 Observer 9
 Feature/Burial Number 202 A0/043, Burial 2 Date 17 July 2002
 Burial/Skeleton Number _____
 Present Location of Collection _____

1.0 SHAPE

Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____
Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____

2.0 SIZE

Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Obs _____	Obs _____	Obs _____	Obs _____	Obs _____	Obs _____

3.0 BONE LOSS

Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Section _____	Section _____	Section _____	Section _____	Section _____	Section _____
Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____
Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____
Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____
Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____
Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____
Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____
Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____
Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____
Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____

4.0 FORMATION

Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Section _____	Section _____	Section _____	Section _____	Section _____	Section _____
Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____	Aspect _____
Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____
Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____
Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____
Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____
Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____
Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____

5.0 FRACTURES

Bone _____	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side _____	Side _____	Side _____	Side _____	Side _____	Side _____
Section _____	Section _____	Section _____	Section _____	Section _____	Section _____
Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____
Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____
Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____
Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____	Obs4 _____
Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____	Obs5 _____
Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____	Obs6 _____
Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____	Obs7 _____
Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____	Obs8 _____
Obs9 _____	Obs9 _____	Obs9 _____	Obs9 _____	Obs9 _____	Obs9 _____
Obs10 _____	Obs10 _____	Obs10 _____	Obs10 _____	Obs10 _____	Obs10 _____
Obs11 _____	Obs11 _____	Obs11 _____	Obs11 _____	Obs11 _____	Obs11 _____

6.0 POROTIC HYPEROSTOSIS

Bone <u>2.0.2</u>	Bone _____	Bone _____	Bone _____	Bone _____	Bone _____
Side <u>2</u>	Side _____	Side _____	Side _____	Side _____	Side _____
Obs1 <u>6.1.2</u>	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____	Obs1 _____
Obs2 <u>6.2.2</u>	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____	Obs2 _____
Obs3 <u>6.3.1</u>	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____	Obs3 _____

Comments:

The cranial fragments showing PH also show significant thickening.

PRIMARY NONMETRIC TRAITS RECORDING FORM

Site Name/Number Las Canoas, 202 Observer 9
 Feature/Burial Number 202 AO/043, Burial #2 Date 16 July 2002
 Burial/Skeleton Number 1
 Present Location of Collection _____

	L	M	R		L	M	R		L	M	R
1. Metopic Suture: 0 = absent 1 = partial 2 = complete 9 = unobservable											
2. Supraorbital Structures											
a. Supraorbital notch: 0 = absent 1 = present, < 1/2 occluded by spicules 2 = present, > 1/2 occluded by spicules 3 = present, degree of occlusion unknown 4 = multiple notches 9 = unobservable	0		1								
b. Supraorbital foramen: 0 = absent 1 = present 2 = multiple foramina 9 = unobservable	1		1								
3. Infraorbital Suture: 0 = absent 1 = partial 2 = complete 9 = unobservable	9		9								
4. Multiple Infraorbital Foramina: 0 = absent 1 = internal division only 2 = two distinct foramina 3 = more than two distinct foramina 9 = unobservable	9		9								
5. Zygomatico-facial Foramina: 0 = absent 1 = 1 large 2 = 1 large plus smaller f. 3 = 2 large 4 = 2 large plus smaller f. 5 = 1 small 6 = multiple small 9 = unobservable	9		9								
6. Parietal Foramen: 0 = absent 1 = present, on parietal 2 = present, sutural 9 = unobservable	9		9								
7. Sutural Bones 0 = absent 1 = present 9 = unobservable											
a. epipteric bone:	9		9								
b. coronal ossicle:	9		9								
c. bregmatic bone:		9									
d. sagittal ossicle:		9									
e. apical bone:		9									
f. lambdoid ossicle:	9		9								
g. asterionic bone:	9		9								
h. ossicle in occipito-mastoid suture:	9		9								
i. parietal notch bone:	9		9								
8. Inca Bone 0 = absent 1 = complete, single bone 2 = bipartite 3 = tripartite 4 = partial 9 = unobservable											
9. Condylar Canal: 0 = not patent 1 = patent 9 = unobservable	9		9								
10. Divided Hypoglossal Canal: 0 = absent 1 = partial, internal surface 2 = partial, within canal 3 = complete, internal surface 4 = complete, within canal 9 = unobservable	9		9								
11. Flexure of Superior Sagittal Sulcus 1 = Right 2 = Left 3 = bifurcate 9 = unobservable					1						
12. Foramen Ovale Incomplete: 0 = absent 1 = partial formation 2 = no definition of foramen 9 = unobservable				9			9				
13. Foramen Spinosum Incomplete: 0 = absent 1 = partial formation 2 = no definition of foramen 9 = unobservable				9			9				
14. Pterygo-spinous Bridge: 0 = absent 1 = trace (spicule only) 2 = partial bridge 3 = complete bridge 9 = unobservable				9			9				
15. Pterygo-alar Bridge: 0 = absent 1 = trace (spicule only) 2 = partial bridge 3 = complete bridge 9 = unobservable				9			9				
16. Tympanic Dilatance: 0 = absent 1 = foramen only 2 = full defect present 9 = unobservable				0			0				
17. Auditory Exostosis: 0 = absent 1 = <1/3 canal occluded 2 = 1/3-2/3 canal occluded 3 = >2/3 canal occluded 9 = unobservable				0			0				
18. Mastoid Foramen											
a. Location: 0 = absent 1 = temporal 2 = sutural 3 = occipital 4 = both sutural and temporal 5 = both occipital and temporal 9 = unobservable				9			0				
b. Number: 0 = absent 1 = 1 2 = 2 3 = more than 2 9 = unobservable				9			0				
19. Mental Foramen: 0 = absent 1 = 1 2 = 2 3 = >2 9 = unobservable				1			1				
20. Mandibular Torus: 0 = absent 1 = trace (can palpate but not see) 2 = moderate: elevation between 2-5 mm. 3 = marked: elevation greater than 5 mm. 9 = unobservable				0			0				
21. Mylohyoid Bridge											
a. Location: 0 = absent 1 = near mandibular foramen 2 = center of groove 3 = both bridges described in 1) and 2), with hiatus 4 = both bridges described in 1) and 2), no hiatus 9 = unobservable				9			9				
b. Degree: 0 = absent 1 = partial 2 = complete 9 = unobservable				9			9				
22. Atlas Bridging											
a. Lateral Bridging: 0 = absent 1 = partial 2 = complete 9 = unobservable				9			9				
b. Posterior Bridging: 0 = absent 1 = partial 2 = complete 9 = unobservable				9			9				
23. Accessory Transverse Foramina: — in 7th Cervical Vertebra 0 = absent 1 = partial 2 = complete 9 = unobservable				9			9				
24. Septal Aperture: 0 = absent 1 = small foramen (pinhole) only 2 = true perforation 9 = unobservable				9			9				

INVENTORY RECORDING FORM FOR COMPLETE SKELETONS

Site Name/Number Las Canoas 1 202 Observer 9
 Feature/Burial Number 202 AO 1043, Burial #2 Date 16 July 2002
 Burial/Skeleton Number 1
 Present Location of Collection _____

CRANIAL BONES AND JOINT SURFACES

	L(left)	R(right)		L	R
Frontal	<u>2</u>	<u>3</u>	Sphenoid	<u>3</u>	<u>3</u>
Parietal	<u>2</u>	<u>3</u>	Zygomatic	<u>3</u>	<u>3</u>
Occipital	<u>3</u>	<u>2</u>	Maxilla	<u>3</u>	<u>3</u>
Temporal	<u>3</u>	<u>2</u>	Palatine	<u>3</u>	<u>3</u>
TMJ	—	<u>1</u>	Mandible	<u>3</u>	<u>2</u>

POSTCRANIAL BONES AND JOINT SURFACES

	L	R		L	R
Clavicle	—	—	Os Coxae	—	<u>3</u>
Scapula	—	—	Ilium	—	<u>3</u>
Body	—	—	Ischium	—	<u>3</u>
Glenoid f.	<u>2</u>	—	Pubis	—	<u>3</u>
Patella	<u>2</u>	—	Acetabulum	—	<u>2</u>
Sacrum	<u>3</u>	<u>3</u>	Auric. Surface	—	<u>3</u>

VERTEBRAE (individual)

	Centrum	Neural Arch
C1	—	—
C2	—	—
C7	—	—
T10	—	—
T11	—	—
T12	—	—
L1	—	<u>3</u>
L2	—	<u>3</u>
L3	<u>3</u>	<u>3</u>
L4	—	<u>3</u>
L5	—	—

VERTEBRAE (grouped)

	#Present/# Complete	
	Centra	Neural Arches
C3-6	<u>1</u>	<u>1</u>
T1-T9	<u>1</u>	<u>1</u>

Sternum: Manubrium — Body —

RIBS (individual)

	L	R
1st	—	—
2nd	—	—
11th	—	—
12th	—	—

RIBS (grouped)

	#Present/# Complete		
	L	R	Unsided
3-10	<u>1</u>	<u>1</u>	<u>5/0</u>

LONG BONES

	Proximal Epiphysis	Diaphysis			Distal Epiphysis
		Proximal Third	Middle Third	Distal Third	
Left Humerus	—	<u>2</u>	<u>2</u>	<u>1</u>	<u>2</u>
Right Humerus	—	<u>1</u>	<u>2</u>	<u>3</u>	<u>3</u>
Left Radius	<u>2</u>	<u>3</u>	<u>1</u>	—	<u>2</u>
Right Radius	—	<u>1</u>	<u>3</u>	—	<u>1</u>
Left Ulna	—	<u>1</u>	—	—	—
Right Ulna	—	—	<u>2</u>	—	—
Left Femur	—	—	<u>2</u>	—	<u>2</u>
Right Femur	<u>2</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>2</u>
Left Tibia	—	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>
Right Tibia	—	<u>3</u>	<u>3</u>	<u>2</u>	<u>2</u>
Left Fibula	—	<u>2</u>	<u>2</u>	<u>1</u>	—
Right Fibula	—	—	—	—	—
Left Talus	<u>1</u>	—	—	—	—
Right Talus	<u>1</u>	—	—	—	—
Left Calcaneus	<u>2</u>	—	—	—	—
Right Calcaneus	<u>2</u>	—	—	—	—

HAND (# Present/# Complete)

	L	R	Unsided
# Carpals	<u>3/1</u>	<u>5/3</u>	<u>1</u>
# Metacarpals	<u>1</u>	<u>1</u>	<u>2/0</u>
# Phalanges	<u>1</u>	<u>1</u>	<u>5/2</u>

FOOT (# Present/# Complete)

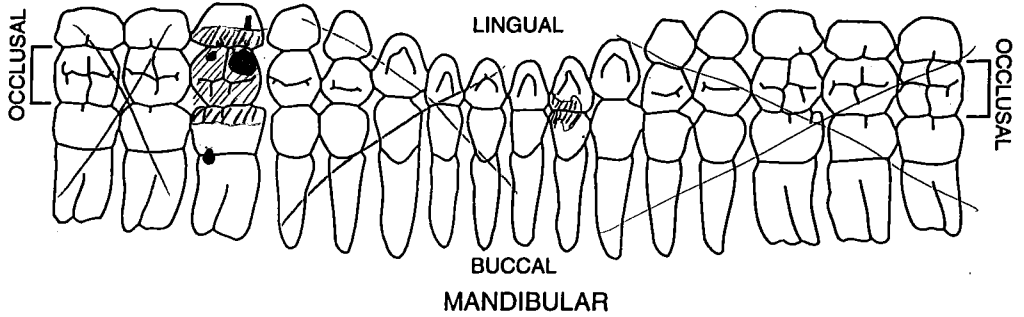
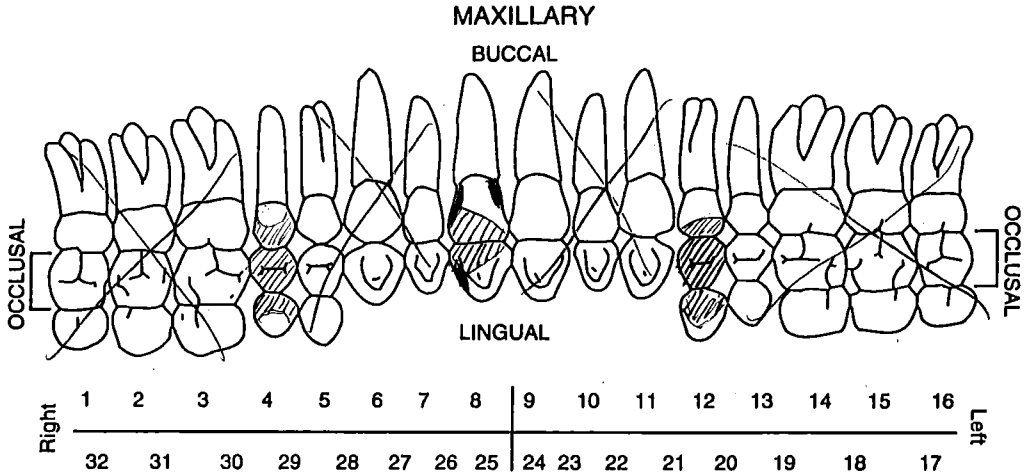
	L	R	Unsided
# Tarsals	<u>7/1</u>	<u>4/1</u>	<u>1</u>
# Metatarsals	<u>3/0</u>	<u>1</u>	<u>1/0</u>
# Phalanges	<u>3/3</u>	<u>1</u>	<u>1/0</u>

Comments: Several vertebral fragments that can't be assigned to type or number are also present.
Several long bone and miscellaneous bone fragments are present that can't be assigned to a specific element.
The scaphoid, lunate, and pisiform are present on the right, and the scaphoid, lunate, trapezoid, and trapezium are present on the left.
The left cuboid, navicular, and 3 cuneiforms are present.

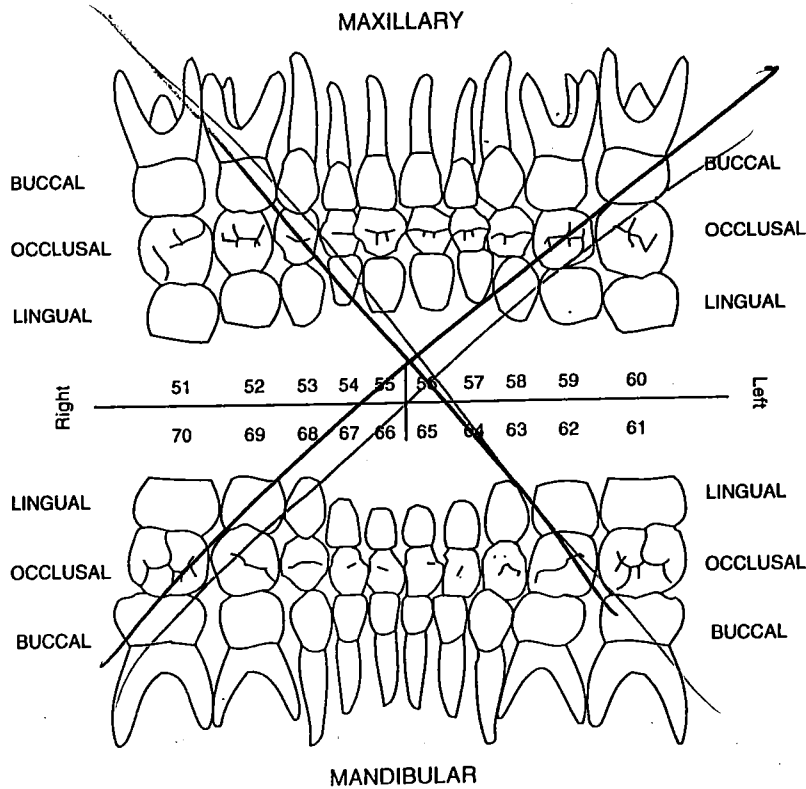
DENTAL INVENTORY VISUAL RECORDING FORM: PERMANENT DENTITION

Site Name/Number Los Carnas, 202 Observer 9
 Feature/Burial Number 202 AO/043, Burial #2 Date 16 July 2002
 Burial/Skeleton Number _____
 Present Location of Collection _____

See Additional Comments



DECIDUOUS DENTITION

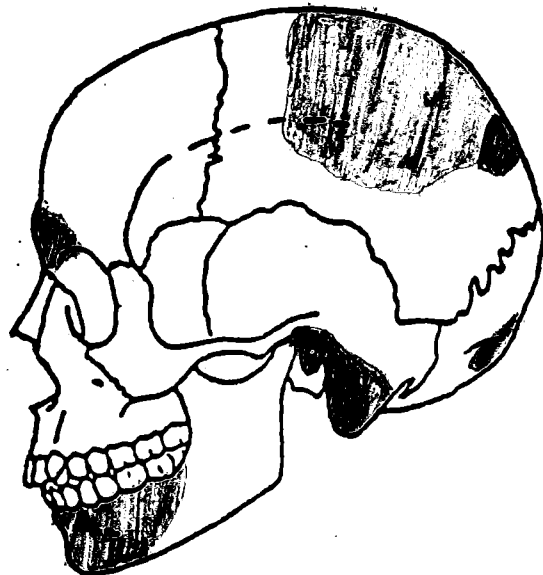
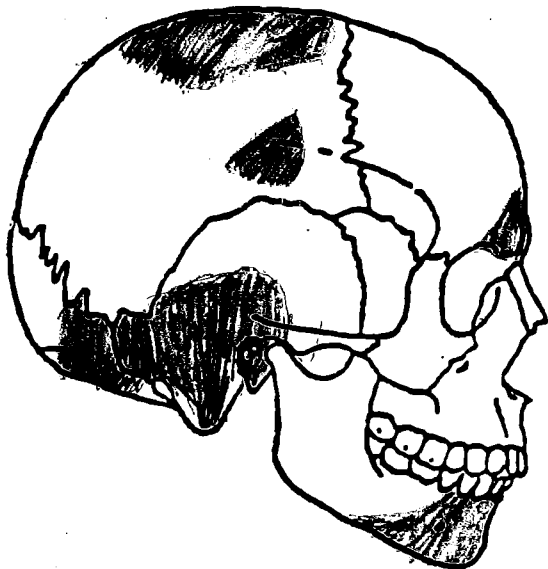
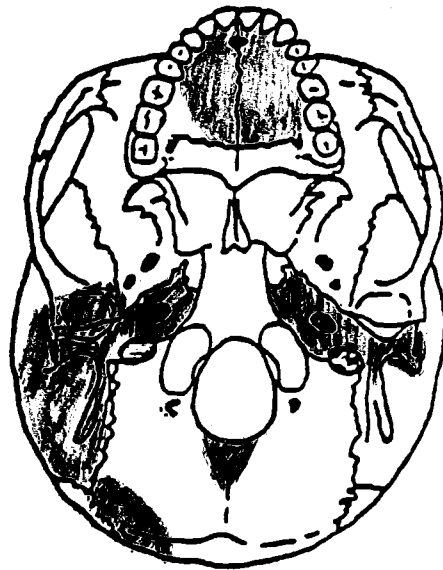
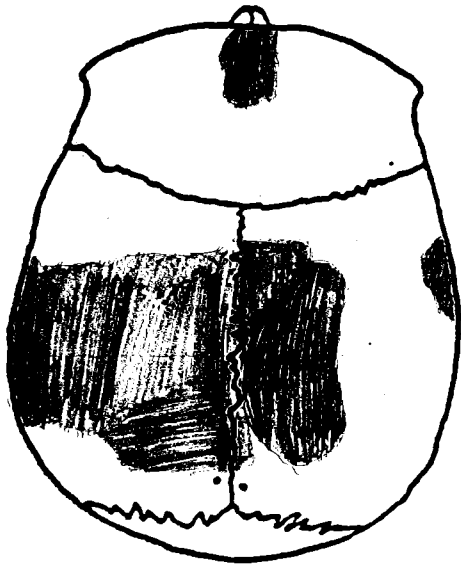
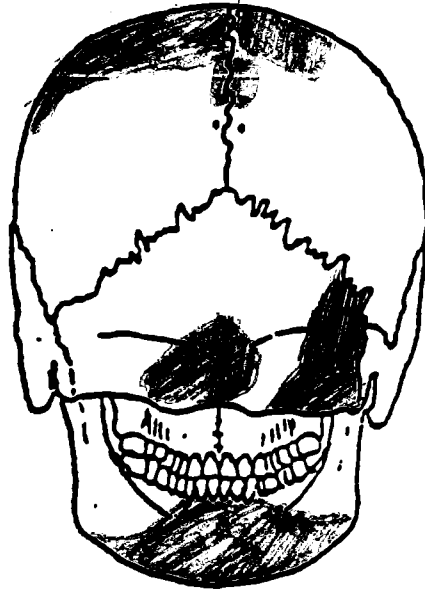
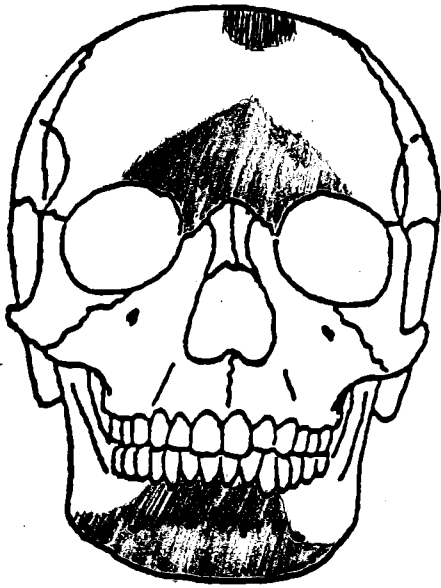


SKULL RECORDING FORM

Identification No. Las Penas 202 AO/043 Burial #2

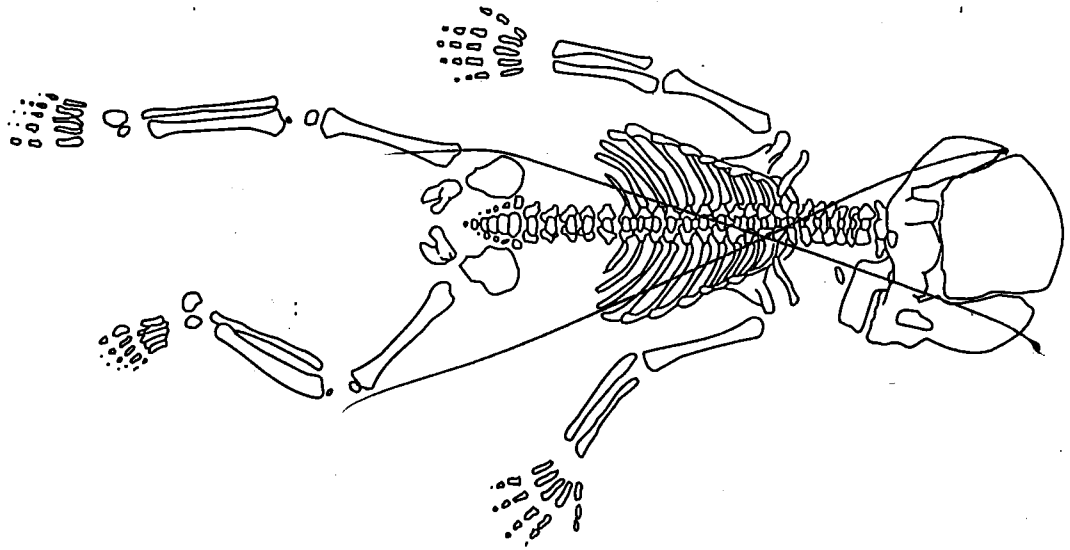
Observer 9

Date 16 July 2002

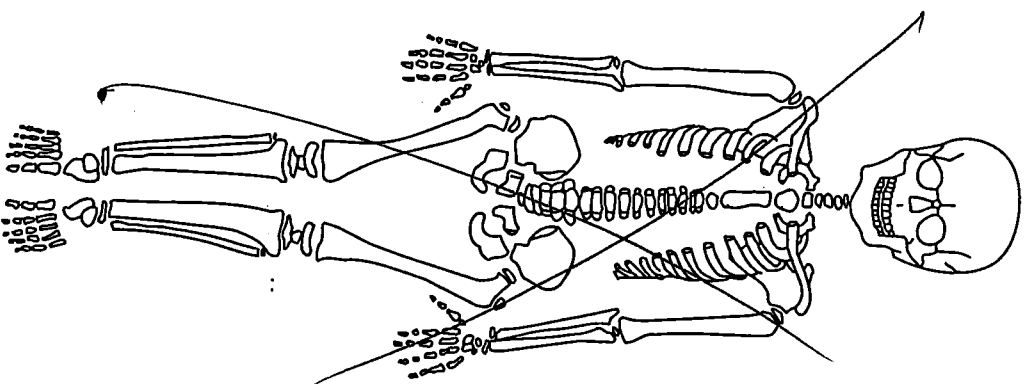


SKELETON RECORDING FORM: ANTERIOR VIEW

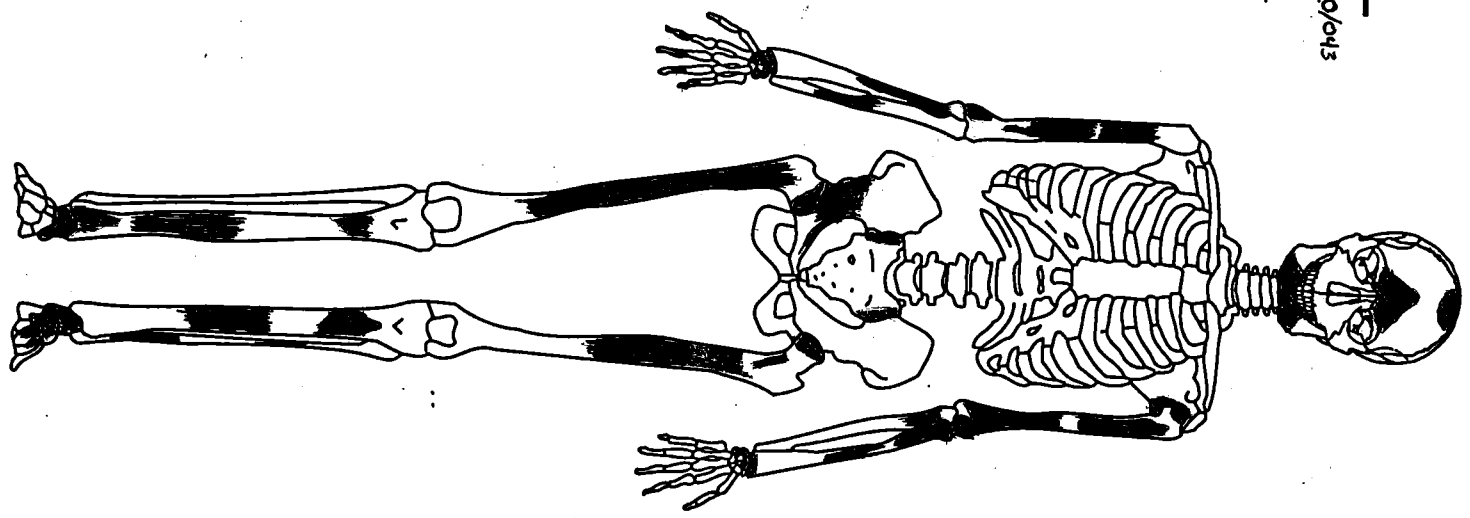
Series/Burial/Skeleton No. 202 MO/043
Burial # 2
Observer/Date # 9 / 16 July 2002



FETUS/NEWBORN



JUVENILE



ADULT