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1996

## PVN Op 14 Osteological Analyses

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Kenyon College  
 NACO VALLEY ARCHAEOLOGICAL PROJECT  
 Burial Summary Form

Site: ME/3, 12, 10 Unit: \_\_\_\_\_ Level: 78 Excavator: \_\_\_\_\_  
 Burial ID # 8-9 Date: 3/6/96

Burial Description

Single Individual:

Age: Young Adult (20-30 yrs)

Sex: ♂ clock  
 0 = Undetermined sex

1 = Female  
 2 = Probable Female  
 3 = Ambiguous sex  
 4 = Probable male  
 5 = Male

- In-utero-Neonate
- Infant (birth-2.9 yrs)
- Subadult (3-11.9 yrs)
- Adolescent (12-19.9 yrs)
- Young Adult (20-34.9 yrs)
- Middle Adult (35-50 yrs)
- Old Adult (50+ yrs)
- Adult (Adult age undetermined)
- Undetermined

10 grams of long bone frags  
 collected for testing 3/25/96

Mean Age: 25 yrs

Preserved Remains:

$\frac{F}{F}$  Cranial  
 $\frac{F}{F}$  Post Cranial

Code: Complete (>75%)

PC (partially complete)  
 Fragmentary (<25%)  
 NP (not present)

Preservation Quality:

$\frac{P}{P}$  Cranial  
 $\frac{P}{P}$  Post Cranial

Code: G (good)  
 M (moderate)  
 P (poor)  
 NP (not present)

Burial Description Summary: (Pathology etc.)

*Very fragmentary and weathered remains*

Kenyon College  
 NACO VALLEY ARCHAEOLOGICAL PROJECT  
 Burial Excavation Notes

Date of Excavation: 3-6-95  
 Site: 14E/13, 14E/12, 14F-10/13(?)  
 Excavator: 78  
 Burial ID #: ~~8888~~ 8-9  
 Unit: \_\_\_\_\_  
 Level: \_\_\_\_\_  
 Provenience: \_\_\_\_\_

Burial Orientation: \_\_\_\_\_  
 Field Age assessment: \_\_\_\_\_  
 Field Sex assessment: \_\_\_\_\_

Associated Funerary Remains: Artifacts found in lab:  
 39 sherds, 3 obsidian blades/flakes, 1 piece of flooring (2) or  
 crude sherd, 9 pieces of byzantine, 10 small pebbles, and  
 1 dark ear spool - found in matrix with skull material

General Excavation Notes:

One paper bag labeled 14F-13 (78) 3-6-95 Meter 12  
 Burial 3 piece of 2" containing 3 plastic bags, each  
 labeled with a red tag: 3-6-95 14F-10/13 (78). These plastic  
 bags contained shards of shords and 3 large matrix blocks  
 of longbone fragments. One large plastic bag labeled  
 14F-12 3-6-95 Meter 12 Burial #3 piece 2 of 2 (78) "containing  
 a large block of matrix from the skull and mouth - this  
 is where the ear spool was found

From the looks of this burial, one person is represented by  
 rather weathered longbone (leg) frags, and somewhat weathered  
 longbone arm frags. An almost complete set of dentition is  
 present. The maxillary incisors and mandibular canines show  
 marked hypoplasias - in some cases circumferentially.

The lot cards for this burial indicate it was close to  
 the burial labeled 14E/24, but when putting the two side  
 by side and when examining the drawings for each,  
 the two burials appear to be separate

One. The skeletal elements from this burial are very weathered  
 but seem somewhat gracile. ~~One of the~~ ~~other~~ ~~of the~~ ~~bones~~  
 appears to be a ~~single~~ ~~skull~~ ~~of~~ ~~the~~ ~~humeral~~ ~~element~~  
 For this multiple burial of 2 does not go with 14E/24  
 (Right now it will be considered a single burial of the humerus element  
 go with 14E/24 with a change of terminology")

# INVENTORY RECORDING FORM FOR COMPLETE SKELETONS

Site Name/Number: 17F/13, 12, 10 / 1  
 Observer: S. Moorhead  
 Feature/Burial Number: 1 / 1  
 Burial/Skeleton Number: 8-9  
 Present Location of Collection: Colorado, Cortes, Honduras

**CRANIAL BONES AND JOINT SURFACES**

	L	R		
Frontal	_____	_____	_____	_____
Parietal	_____	_____	_____	_____
Occipital	_____	_____	_____	_____
Temporal	_____	_____	_____	_____
TMJ	_____	_____	_____	_____
(Left)		(Right)		

**POSTCRANIAL BONES AND JOINT SURFACES**

	L	R		
Clavicle	_____	_____	_____	_____
Scapula	_____	_____	_____	_____
Body	_____	_____	_____	_____
Glennoid f.	_____	_____	_____	_____
Patella	_____	_____	_____	_____
Sacrum	_____	_____	_____	_____
(Left)		(Right)		

**VERTEBRAE (Individual)**

	L	R		
C1	_____	_____	_____	_____
C2	_____	_____	_____	_____
C7	_____	_____	_____	_____
T10	_____	_____	_____	_____
T11	_____	_____	_____	_____
T12	_____	_____	_____	_____
L1	_____	_____	_____	_____
L2	_____	_____	_____	_____
L3	_____	_____	_____	_____
L4	_____	_____	_____	_____
L5	_____	_____	_____	_____
Centrum		Neural Arch		

**VERTEBRAE (Grouped)**

	L	R		
C3-6	_____	_____	_____	_____
T1-19	_____	_____	_____	_____
Neural Arches		Manubrium		Body

**RIBS (Individual)**

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

**RIBS (Grouped)**

	L	R		
3-10	_____	_____	_____	_____
#Present/#Complete				Unsided

No measurements of fetal long bones possible

Very fragmentary and weathered long bones remains

2 cranial fragments ⇒ 2g  
 250+ long bone fragments ⇒ 158g  
 90+ misc. unidentified fragments ⇒ 34g

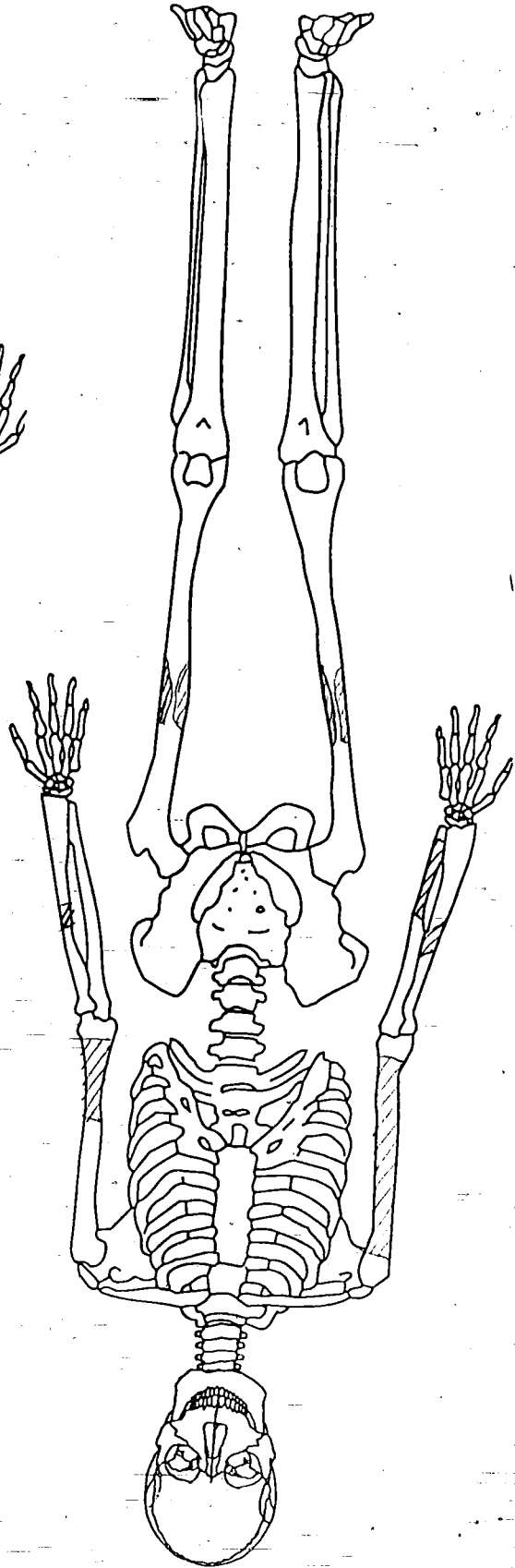
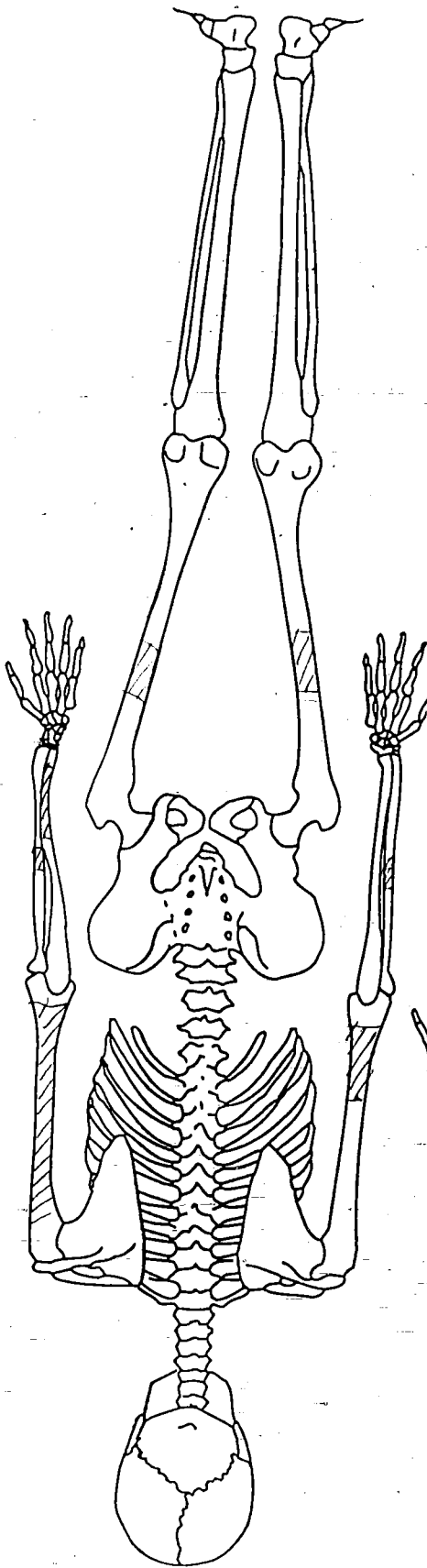
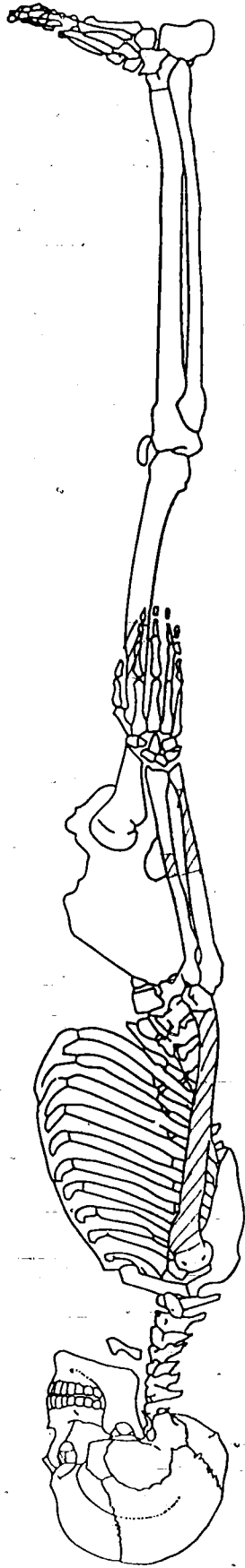
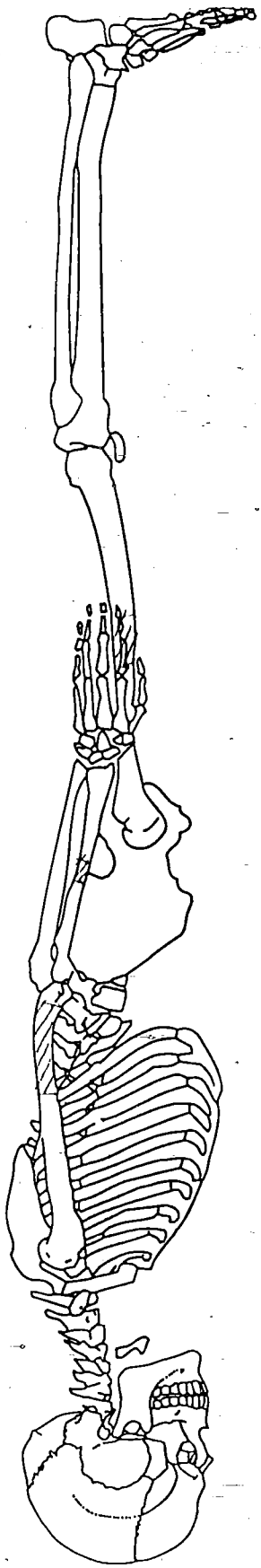
Comments:

HAND (# Present/# Complete)		FOOT (# Present/# Complete)	
L	R	L	R
# Carpals	1/1	# Tarsals	1/1
# Metacarpals	1/1	# Metatarsals	1/1
# Phalanges	1/1	# Phalanges	1/1

Right Humerus	Left Humerus	Right Radius	Left Radius	Right Ulna	Left Ulna	Right Femur	Left Femur	Right Tibia	Left Tibia	Right Fibula	Left Fibula	Right Talus	Left Talus	Right Calcaneus	Left Calcaneus
Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal	Proximal
Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis	Epiphysis
Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis	Diaphysis
Third	Third	Third	Third	Third	Third	Third	Third	Third	Third	Third	Third	Third	Third	Third	Third
Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle	Middle
Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal	Distal

LONG BONES

Series/Burial/Skeleton: H/F 3/2/0 S-9  
 Observer/Date: J. Moorhead 4/16/96



Series/Burial/Skeleton 145/13, 12, 18, 8-9  
Observer/Date J. Moorhead 4/16/96



Dental wear is light to moderate M3  
 is barely in evidence (tooth broken off so  
 can't determine development)  
 Probable young adult 20-30yrs

Comments:

Estimated Age: Young Adult (20-35 years)   
 Middle Adult (35-50 years)   
 Old Adult (50+ years)

- |          |                               |                          |
|----------|-------------------------------|--------------------------|
| External | 1. Midlambdoid                | <input type="checkbox"/> |
| Cranial  | 2. Lambda                     | <input type="checkbox"/> |
| Vault    | 3. Obelion                    | <input type="checkbox"/> |
|          | 4. Anterior Sagittal          | <input type="checkbox"/> |
|          | 5. Bregma                     | <input type="checkbox"/> |
|          | 6. Midsagittal                | <input type="checkbox"/> |
|          | 7. Pterion                    | <input type="checkbox"/> |
|          | 8. Sphenofrontal              | <input type="checkbox"/> |
|          | 9. Inferior Sphenotemporal    | <input type="checkbox"/> |
|          | 10. Superior Sphenotemporal   | <input type="checkbox"/> |
| Palate   | 11. Incisive                  | <input type="checkbox"/> |
|          | 12. Anterior Median Palatine  | <input type="checkbox"/> |
|          | 13. Posterior Median Palatine | <input type="checkbox"/> |
| Internal | 14. Transverse Palatine       | <input type="checkbox"/> |
|          | 15. Sagittal                  | <input type="checkbox"/> |
| Cranial  | 16. Left Lambdoid             | <input type="checkbox"/> |
| Vault    | 17. Left Coronal              | <input type="checkbox"/> |

Suture Closure (blank = unobservable; 0 = open; 1 = minimal; 2 = significant; 3 = complete)

Public Symphysis  
 Todd (1-10)   
 Suchey-Brooks (1-6)

AGE

Auricular Surface (1-8)

L  R

Series/Burial/Skeleton MF/3,2,10 - 8-9  
 Observer/Date S. Moorhead - 4/6/96



# DENTAL INVENTORY RECORDING FORM DEVELOPMENT, WEAR, AND PATHOLOGY: PERMANENT TEETH

Site Name/Number: K1 #18, 12, 10  
 Observer: M. Orchard  
 Feature/Burial Number: 1  
 Date: 9/6/90  
 Burial/Skeleton Number: 8-9  
 Present Location of Collection: Colorado, Cortes, Honduras

Tooth presence and development: code 1-8 - For teeth entered as "1" (present, but not in occlusion), record stage of crown/root formation under "Development." Occlusal surface wear: use left teeth, following Smith (1984) for anterior teeth (code 1-8) and Scott (1979) for molars (code 0-10). If marked (+) asymmetry is present, record both sides. Record each molar quadrant separately in the spaces provided (+) and the total for all four quadrants under "Total." Caries: code each carious lesion separately (1-7); Abscesses: code location (1-2). Calculus: code 0-3, 9. Note surface affected (buccal/labial or lingual).

Maxillary Right	1 M	2 M	3 M	4 P	5 P	6 C	7 P	8 I	9 I	10 I	11 C	12 P	13 P	14 M	15 M	16 M
Maxillary Right	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2
Carbells (A) P11	3 M	2	2	2	2	2	2		2	2	2	2	2	2	2	2
Tomos roof	4 P	2	2	2	2	2	2		2	2	2	2	2	2	2	2
hypo. 21.6mm	5 P	2	2	2	2	2	2		2	2	2	2	2	2	2	2
hypo. 21.84mm	7 P	2	2	2	2	2	2		2	2	2	2	2	2	2	2
Maxillary	8 I															
hypo. 3.36mm	9 I	2	2	2	2	2	2		2	2	2	2	2	2	2	2
hypo. 5.24mm	10 I	2	2	2	2	2	2		2	2	2	2	2	2	2	2
	11 C	2	2	2	2	2	2		2	2	2	2	2	2	2	2
	12 P	2	2	2	2	2	2		2	2	2	2	2	2	2	2
	13 P	2	2	2	2	2	2		2	2	2	2	2	2	2	2
	14 M	2	2	2	2	2	2		2	2	2	2	2	2	2	2
	15 M	2	2	2	2	2	2		2	2	2	2	2	2	2	2
	16 M	2	2	2	2	2	2		2	2	2	2	2	2	2	2
Wear/Total	8	22	22	22	22	22	22		22	22	22	22	22	22	22	22
Caries																
Abscess																
Calculus/Affected																
	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1
	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal		1 buccal	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal
	1 labial	1 labial	1 labial	1 buccal	1 buccal	1 buccal	1 buccal		1 labial	1 labial	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal	1 buccal
									shove shaped	shove shaped						



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 NACO VALLEY ARCHAEOLOGICAL PROJECT  
 Burial Summary Form

Site: 14E/2 Burial ID # 7-8 Excavator: 78  
 Unit: \_\_\_\_\_ Level: \_\_\_\_\_ Date: 3/5/96

Burial Description

Single individual:

Multiple individuals: \_\_\_\_\_

Age: Middle Adult (40-50 yrs) Sex: A

0 = Undetermined sex  
 1 = Female  
 2 = Probable Female  
 3 = Ambiguous sex  
 4 = Probable male  
 5 = Male

10 grams cranial frags  
 removed for sample 3/25/96

In utero-Neonate

Infant (birth-2.9 yrs)

Subadult (3-11.9 yrs)

Adolescent (12-19.9 yrs)

Young Adult (20-34.9 yrs)

Middle Adult (35-50 yrs)

Old Adult (50+ yrs)

Adult (Adult age undetermined)

Undetermined

Mean Age: 45 yrs

Preserved Remains:

$\frac{F}{F}$  Cranial  
 $\frac{F}{F}$  Post Cranial

Code: Complete (>75%)  
 PC (partially complete)  
 Fragmentary (<25%)  
 NP (not present)

Preservation Quality:

$\frac{F}{F}$  Cranial  
 $\frac{F}{F}$  Post Cranial

Code: G (good)  
 M (moderate)  
 P (poor)  
 NP (not present)

Burial Description Summary: (Pathology etc.)

"Very weathered fragment remains. Rf mandible  
 fragment exhibits recorded anomalies in all areas  
 except M3

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 NACO VALLEY ARCHAEOLOGICAL PROJECT  
 Burial Excavation Notes

Date of Excavation: 3-22-95  
 Site: 14F 124  
 Excavator: 78  
 Burial ID #: S-8  
 Unit: \_\_\_\_\_ Level: \_\_\_\_\_ Provenience: \_\_\_\_\_

Burial Orientation: \_\_\_\_\_  
 Field Age assessment: \_\_\_\_\_  
 Field Sex assessment: \_\_\_\_\_

Associated Funerary Remains: Artifacts found in lab:  
 with bags labeled 14F/24-18 pieces of bajareque, 36 shards

General Excavation Notes:

Three ~~the~~ phisic bags labeled "3-22-95 14F/24 78 Burial" with an orange tag -> one bag labeled "14F/24 78 skull from 186-166 cm below datum (3-22-95)", the ~~second~~ bag labeled "14F/24 ceramics, bajareque residua, faunal/burial 78 3-22-95", the third bag labeled "bone bag #2 14F/24 78 Burial human skeletal material"; skeletal material from the "skull" and "bone" bags contained somewhat sandy matrix with cranial and tooth frags, and long bone frags, respectively.  
~~Good bone fragments~~  
 Originally, the lab cards made it sound like this burial was associated with 14F-10/13, 14F/12 & 14F/13, but after washing that material it was clear to see, they were two separate burials.  
 14F/24 contains skeletal material that is rather weathered and has small bits of the concrete-like soil we've seen on a few other burials. (sandy) ~~bone~~ fragments and at least 1 max. 3rd molar leg bone bones, after ~~skull~~ fragments and at least 1 max. 3rd molar that has the cusps worn flat. (also looks to have an occlusal cavity).



Non-Metries:  
 11) L. Right

- No measurements possible

These remains are very weathered and fragmentary -  
 all misc unidentified fragments are 1 cm x .5 cm

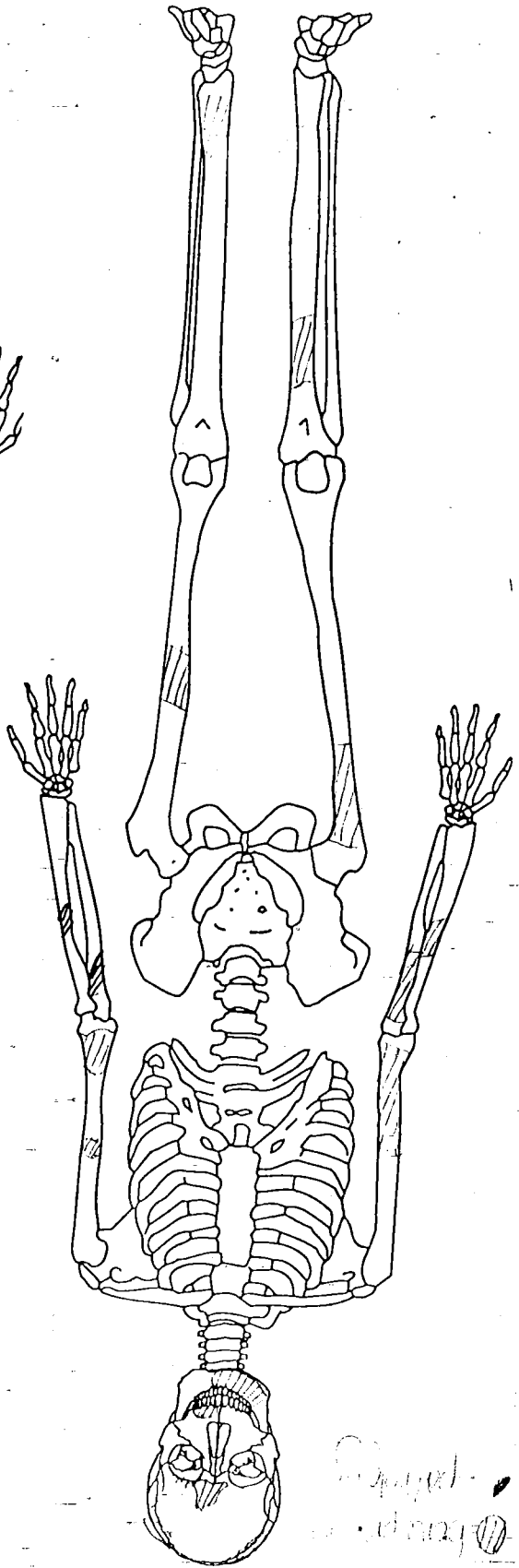
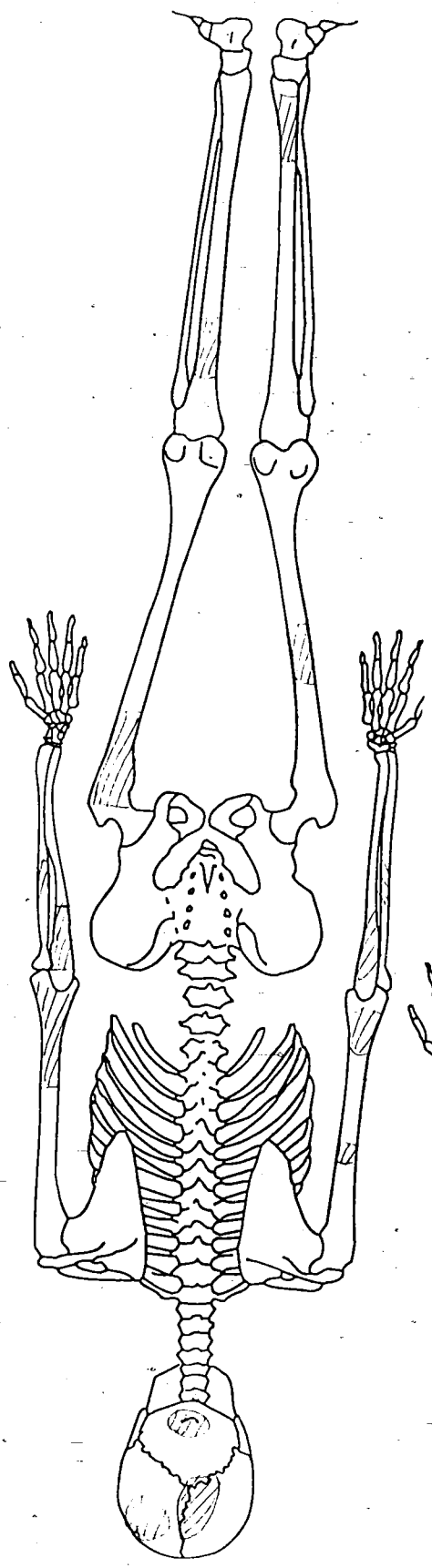
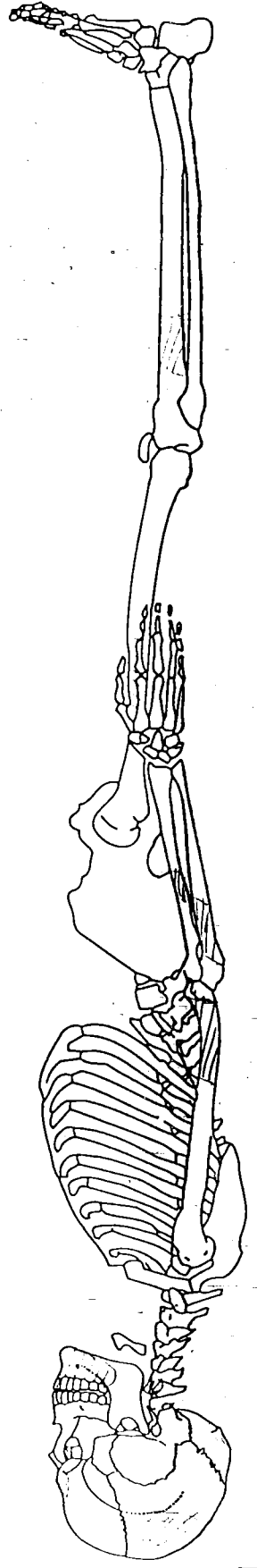
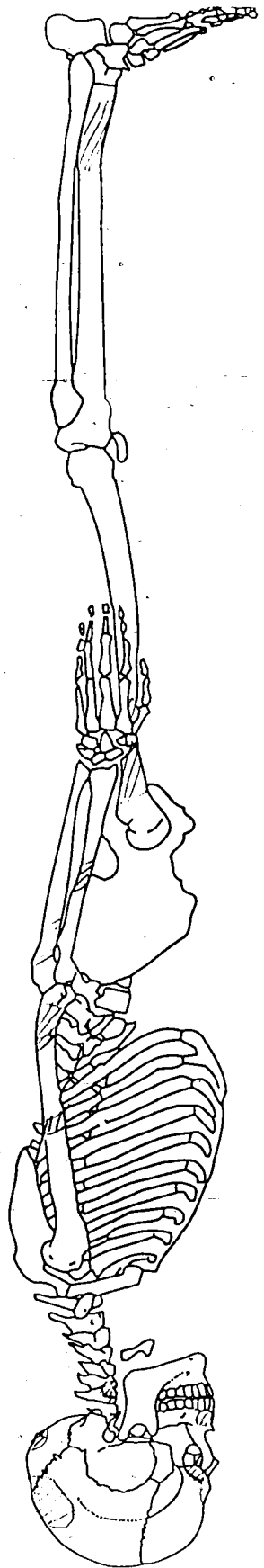
67 long bone fragments  $\Rightarrow$  100g  
 120+ misc. unidentified fragments  $\Rightarrow$  58g  
 36 cranial bone fragments  $\Rightarrow$  70g

Comments:

HAND (# Present/# Complete)				FOOT (# Present/# Complete)			
	L	R	Unsid		L	R	Unsid
# Carpals	/	/	/	/	/	/	/
# Metacarpals	/	/	/	/	/	/	/
# Phalanges	/	/	/	/	/	/	/

LONG BONES			
	Proximal	Middle	Distal
Left Humerus	1	1	1
Right Humerus	1	1	1
Left Radius	1	1	1
Right Radius	1	1	1
Left Ulna	1	1	1
Right Ulna	1	1	1
Left Femur	1	1	1
Right Femur	1	1	1
Left Tibia	2	2	2
Right Tibia	2	2	2
Left Fibula	1	1	1
Right Fibula	1	1	1
Left Talus	1	1	1
Right Talus	1	1	1
Left Calcaneus	1	1	1
Right Calcaneus	1	1	1

Series/Burial/Skeleton: ME/21 1-8  
 Observer/Date: \_\_\_\_\_



Series/Burial/Skeleton: ME 71-3-8

Observer/Date: J. Neerhoff 4/15/62

Handwritten notes and a signature in the bottom right corner.





Middle aged adult - Probable - closer to 50 yrs than to 35 yrs → 40-50 yrs

- Cranial sutures observable on cranial fragments are significantly closed to closed

- Rf. mandible exhibits resorbed alveolar for entire Rf. side except M3 - wear on M3 is moderate

Comments:

Estimated Age: Young Adult (20-35 years)   
 Middle Adult (35-50 years)   
 Old Adult (50+ years)

External	Cranial	Vault	Palate	Internal	Cranial	Vault
1. Midlambdoid	2. Lambda	3. Obelion	11. Incisive	12. Anterior Median Palatine	13. Posterior Median Palatine	14. Transverse Palatine
4. Anterior Sagittal	5. Bregma	6. Midcoronal	15. Sagittal	16. Left Lambdoid	17. Left Coronal	
7. Pterion	8. Sphenofrontal	9. Inferior Sphenotemporal				
10. Superior Sphenotemporal						

Suture Closure (blank = unobservable; 0 = open; 1 = minimal; 2 = significant; 3 = complete)

Pubic Symphysis	Articular Surface (1-8)
Todd (1-10)	
Suchey-Brooks (1-6)	
L	L
R	R

AGE

Series/Burial/Skeleton: 3-8  
 Observer/Date: 4/5/96



