

Anthropology 463 – Forensic Anthropology
Exam 1
Winter 1999 – Miller

Please answer the following questions as if you were presenting the information to law enforcement personnel and attorneys. Provide a clear and concise answer with enough supporting detail to show the logic you used in determining your answer. Do not provide unnecessary detail. When the question is more general, such as definitions, provide an answer such as you would give in court in explaining the concepts to a jury.

- The following remains were recovered from a crash site where a single-engine plane went down in the Angeles Forest. What were the ages of the passengers, and how many passengers were present? (10 pts.)

Left humerus prox unfused distal unfused	Cranium permanent dentition erupted and in occlusion, including third molars	Left ulna prox unfused distal unfused	Left tibia prox fusing distal fused	Right ulna prox fused distal fused	Right femur prox fused distal fused
Right calcaneus	Right clavicle sternal end unfused	manubrium	Right ulna prox fused distal fused	Axis neural arch unfused	Right clavicle sternal end unfused
Left calcaneus	Left patella	Right radius prox fused distal fused	Right fibula prox unfused distal fused	Hyoid	Left radius prox fused distal fusing
Right scapula border unfused acromion fusing	Right patella	Cranium permanent dentition erupted and in occlusion, except third molars	Right humerus prox unfused distal fused	Atlas fused	Right tibia prox fusing distal fused
Right femur prox fused distal fusing	Right fibula prox fusing distal fused	Right ulna prox fused distal fused	Left ulna prox fused distal fused	Left ulna prox fused distal fused	Right scapula border fusing acromion fused
Left clavicle sternal end unfused	Sacrum lower bodies fusing	Mandible, deciduous dentition only	Left fibula prox unfused distal fused	7 th cervical vertebra, epiphyseal ring fusing	Right clavicle sternal end fused

5. Discuss any two techniques used for sexing skeletal material except the techniques used above in the identification of unknowns in question 4. (10 pts.)

6. Discuss any two techniques used for aging skeletal materials except the techniques used above in the identification of unknowns. (10 pts.)

10. The role of the forensic anthropologist as consultant in criminal investigations is a complex one. Drawing from lecture, Dr. Suchey's talk, and your readings, discuss what a forensic anthropologist can and cannot do, how the forensic anthropologist interacts with other investigatory agencies, and with whom the ultimate authority lies. What are the legal constraints on the role of the forensic anthropologist? What does the Coroner or Medical Examiner want from the forensic anthropologist? Pay special attention to what you know of forensic anthropology in Los Angeles County. (30 pts.)

Extra Credit (5 pts)

Name the top ten things either the class or I drew from Dr. Suchey's talk. You must have all ten correct to get any extra credit.