

**Office of Chief Medical Examiner
Tarrant County, Texas**

200 Feliks Gwozdz Place, Fort Worth, Texas 76104-4919
(817) 923-4999 FAX (817) 927-0902

NON JURISDICTIONAL AUTOPSY

Case No. 930021#
(930095*)

Name: James Riddle (MC Doe 20)
Approximate Age: 32 years
Height: Indeterminate

Sex: Male
Weight: Indeterminate

Identified By: Fingerprint comparison (04-26-93)
Autopsy Authorized By : Honorable John Cabanias

I hereby certify that I, Marc A. Krouse, M. D., have performed an autopsy on the body of James L. Riddle at the Tarrant County Medical Examiner's Morgue on the 27th day of April, 1993, and that the said autopsy revealed:

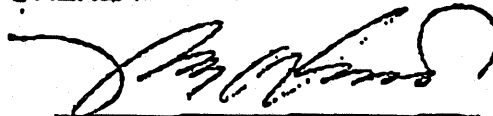
FINDINGS:

- 01 Entry gunshot wound of mid-forehead with exit of left occipital scalp
 - A. multiple calvarial and basilar fractures
 - B. entry wound (forehead) positive for significant amounts of lead, barium, and antimony
 - C. no projectile or fragments recovered
- 02 Global charring with body mutilation
- 03 Fatty metamorphosis of liver

M

CAUSE OF DEATH:

01 GUNSHOT WOUND OF FOREHEAD



**Marc A. Krouse, M.D.
Deputy Chief Medical Examiner**



**Nizam Peerwani, M.D.
Chief Medical Examiner**

MAK:tg

This examination is dated April 27, 1993 beginning at 11:20 hours.

Regarding the circumstances involved in the demise of the decedent, please refer to the inquest investigation report by the Justice of the Peace.

A complete autopsy is carried out by the authority of Justice John Cabaniss, Justice of the Peace, Precinct 1, McLennan County, Texas.

EXTERNAL EXAMINATION

The body is presented to the county morgue secured in a black body bag and canvas muslin sheet with a small quantity of burned construction debris including dry wall and multiple metallic construction fasteners (including nails).

The body is that of an adult Caucasian male clad in charred remnants of clothing including white athletic socks, blue denim jeans, blue insulated pants with red liner and fragments of a black with pink geometric design shirt (black buttons) and fragments of a blue insulated jacket with red liner and white corduroy collar. The scalp and vertex of the calvarial vault are disrupted; residual bone is charred. There are fractures associated with the gunshot injury described below. There is extensive destruction of the right half of the face, including soft tissues and bone structures. The remainder of the body remains relatively articulated except for the right upper extremities; portions of the right humerus are present with the shoulder joint and distal arm absent. The left arm is present. The left chest wall is relatively well preserved with localized charring of the skin over the back and anterior mid-line. The right half of the abdomen and right innominate and upper part of the femur are destroyed secondary to charring. The left are relatively well preserved; there is exposure of bones secondary to heat effect and to decomposition. The feet are relatively well preserved as demonstrated in accompanying photographs.

DESCRIPTION OF GUNSHOT WOUND: There are two gunshot injuries of the body enumerated here for purposes of identification.

Wound # 1 is located over the left forehead, centered 3/4" above the glabella and 3/8" left of mid-line. The residual wound is a semi-circular defect of the residual skull 3/8" diameter with notable internal beveling.

James Riddle (MC Doe 20)
Case No 830021# (930088*)
Page No 3

The margin is absent from 8 to 10 o'clock. Soot deposition is found on the margin on the residual wound margin on the skull between 1 and 4 o'clock. Nitric acid swabs are reserved and submitted to the laboratory.

Wound # 2 is found on a track passing anterior to posterior and superior to inferior through the left half of the cerebrum and cerebellum. An elliptical 7/8" x 3/8" defect with notable external beveling is found in the left occiput centered approximately 1" below the residual nuchal crest and approximately 2" to left of the mid-line. This defect is demonstrated in accompanying photographs and charts.

MISCELLANEOUS TRAUMA: A beveled defect is found in the right 2nd rib 5/8" from the sternal end. A radiograph of the body reveals a radio opacity in this area and a grenade fragment is recovered from the residual soft tissues of the chest at the site of the bony fracture.

INTERNAL EXAMINATION

A modified y-shaped thoraco-abdominal incision is made and the organs are examined in-situ and eviscerated. The right lung and right lobe of the liver are charred; remaining organs remain identifiable although somewhat autolyzed and decomposed at examination. The chest and abdominal wall are extensively disrupted along the right half of the torso as described and demonstrated in photographs and charts. The remaining serous body cavities are unremarkable and without evidence of trauma except the right second rib as described above. There is no evidence of kyphosis, scoliosis or lordosis.

SEROUS CAVITIES:

CARDIOVASCULAR SYSTEM: The heart weighs 208 grams. The epicardial surface is unremarkable. The coronary arteries arise in their usual location and are widely patent. Posterior circulation is right dominant. The myocardium is autolyzed but otherwise unremarkable by gross examination. The chambers of the heart are unremarkable as are the cardiac valves. Small amounts of clotted blood remain within the heart. The thoracic and abdominal aorta and major branches, superior and inferior vena cava and major branches and major pulmonary arteries and veins are intact and contain variably heat altered,

clotted blood.

PULMONARY SYSTEM: The larynx and hyoid are intact; there is soft tissue decomposition and moderate heat alteration, more notably over the right side of the neck than the left. The trachea and major bronchi are clear; there is no gross evidence of soot deposition. The left lung is decomposed and the right is heat altered and charred over its lateral 2/3rds. There is no residual evidence of soot or smoke inhalation within the lungs. The right lung weighs 211 grams and the left 494 grams.

GASTRO-INTESTINAL SYSTEM: The pharynx and esophagus are intact. The stomach is intact and empty as is the duodenum. The small bowel and colon are charred and partially absent over the right half of the abdomen. There is no residual appendix identifiable.

The liver weighs 763 grams. The right lobe of the liver is charred. The internal hepatic parenchyma is yellowish tan and oily. The gallbladder and extrahepatic biliary tree are intact and the gallbladder contains 15 ml. of cloudy bile. The structures of the hepatic hilus are intact:

The pancreas weighs 48 grams. The parenchyma is autolyzed. The major pancreatic ducts are residual and patent.

GENITO-URINARY SYSTEM: The left kidney is pale with a smooth cortical surface and weighs 58 grams. The cortex and medulla are pale. The right kidney is charred and heat altered and weighs 37 grams. The calyces and ureters are intact. The urinary bladder is intact and contains 25 ml. of cloudy, amber urine. The prostate and seminal vesicles are unremarkable.

HEMATOPOIETIC SYSTEM: The lymph nodes of the body are generally unremarkable except for postmortem autolysis. There is no identifiable thymus. The vertebral bone marrow is unremarkable. The spleen is intact, weighs 100 grams and is autolyzed.

ENDOCRINE SYSTEM: The thyroid and parathyroids are heat altered. The pituitary is moderately heat altered. The right adrenal is somewhat charred and the left is unremarkable.

James Riddle (MC Doe 20)
Case No 920021# (930095)
Page No 8

CENTRAL NERVOUS SYSTEM: The calvarial vault is partially absent. There is extensive heat destruction as described above. Non-contiguous fragments of frontal and parietal bone are located in the body bag with the charred head. There are entry and exit gunshot wounds as described above. Fractures radiate from the entry defect into the anterior cranial fossae and cribriform plate and from the exit defect into areas of absent, heat destroyed bone. The residual, partially charred brain weighs 684 grams. 15 to 20 grams of clotted blood is found in the basal subarachnoid cisterns and subdural space in the left middle and posterior cranial fossae. The brain is markedly autolyzed and heat altered. Areas of residual hemorrhage are found in the region of the wound track between the entry and exit wounds described above, although no well defined wound track is visible at examination due to insect infestation, autolysis and charring. There are no residual space occupying lesions at examination. The residual vasculature of the base of the brain is unremarkable. The atlanto-occipital joint is intact; the cervical spinal cord is markedly autolyzed but identifiable.

ANTHROPOLOGY EXAMINATION: Conducted by Douglas H. Ubelaker, Ph.d.

DENTAL EXAMINATION: Conducted by Tarrant County Dental Disaster Team and supervised by Rodney M. Crow, D.D.S.

FINGERPRINT EXAMINATION: Conducted by F.B.I. Latent Fingerprint Section and supervised by Danny W. Greathouse


EVIDENCE COLLECTED:

- 01 10 grams of clotted blood from heart and aorta, 15 grams of clotted blood from cranial cavity, 25 ml. of urine, bile 15 ml., brain 20 grams, liver 20 grams, kidney 5 grams, spleen 10 grams, heart muscle 30 grams, gastric wall, blood 1 ml. in vials bottle and lung and vials bottle for toxicology examination
- 02 Cloth swatch blood sample, bone from left 5th rib and right femur and 10 grams each of cardiac muscle and right thigh muscle for possible DNA studies.

James Riddle (MC Dos 20)
 Case No 830021# (830098*)
 Page No 5

- 03 Multiple photographs including four scene photographs and 39 color and slide autopsy prints.
- 04 Seven radiographs fluoroscopy
- 05 Clothing items
- 06 Grenade fragments (embedded in right chest wall, left posterior chest wall, clothing near left elbow and superficially in right lobe of liver, cartridge cases and miscellaneous metallic debris (clothing snaps and construction materials) as demonstrated in accompanying photographs.

MAK:tgm

James Riddle (MC Dec 20)
Case No 930021# (930095*)
Page No 7 

C E R T I F I C A T E O F A N A L Y S E S

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIX GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CHIEF CRIMINALIST

F I R E A R M S L A B O R A T O R Y

NAME: MC-20
CRIME LAB NUMBER: 930246T
M.E. CASE NUMBER: 930095*
COMPLETED BY: RNE

R E S U L T S O F E V A L U A T I O N S :

(09) One exploded 9mmL. calibre cartridge case, headstamp "FC 9MM
LUGER"

ANALYST:

Richard H. Ernst

APPROVED BY:

[Signature]

APPROVED DATE: 09/05/93

JK

TOXICOLOGY TEST RESULTS

OFFICE OF CHIEF MEDICAL EXAMINER
TOXICOLOGY LABORATORY SERVICE
200 FELIKS GWOZDZ PLACE
FORT WORTH, TEXAS 76104

NIZAM PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
ANGELA SPRINGFIELD, PH.D., DABFT
CHIEF TOXICOLOGIST

NAME: M.C. TWENTY
M.E. CASE NUMBER: 930021#

PRIORITY: 1
M.E. TOX NUMBER: 930739#-00

BLOOD	ETHANOL	NEG		
URINE	ETHANOL	POS	ETHANOL	00.02 GM%
BILE	ETHANOL	POS	ETHANOL	00.03 GM%
BLOOD	CARBON MONOXIDE	NEG		
URINE	AMPHETAMINE ETS	NEG		
URINE	BARBITUATES ETS	NEG		
URINE	BENZODIAZEPINE ETS	NEG		
URINE	COCAINE ETS	NEG		
URINE	CANNABINOIDS ETS	NEG		
URINE	METHADONE ETS	NEG		
URINE	OPIATES ETS	NEG		
URINE	PCP ETS	NEG		
BLOOD	ABN	NEG		
URINE	ABN	NEG		
BLOOD	VOLATILE	NEG		
BLOOD	CYANIDE	NEG		
URINE	CYANIDE	NEG		

EVIDENCE TRANSMITTAL DATA

DATE: 04/27/1993 TIME: 14:10
RELEASED BY: MARC A. KROUSE
RECEIVED BY: JOYCE Y. HO

APPROVED BY:
APPROVED DATE: 9/17/1993

Angela Springfield

C E R T I F I C A T E O F A N A L Y S E S

OFFICE OF CHIEF MEDICAL EXAMINER
CRIMINALISTICS LABORATORIES
200 FELIXS GWODZ PLACE
FORT WORTH, TEXAS 76104

NIZAN PEERWANI, M.D., DABFP
CHIEF MEDICAL EXAMINER
RONALD L. SINGER, M.S.
CHIEF CRIMINALIST

F O R E N S I C C H E M I S T R Y L A B O R A T O R Y

NAME: Mount Carmel-20
CRIME LAB NUMBER: 930246T

PRIORITY: 1
M.E. CASE NUMBER: AFC930095*

DATE OF REQUEST: 27 April 1993
REQUESTED BY: MAK

AGENCY SERVICE NO:

DATE OF COMPLETION: 30 April 1993

COMPLETED BY: D. Davis

EVIDENCE RECEIVED:

One gunshot residue kit containing swabs marked "Wound #1" and "Control".

RESULTS:

The chemical elements Barium, Antimony and Lead are components of virtually all primer mixes and can be deposited in the track of a gunshot wound. These specimens were analyzed by Flameless Atomic Absorption analysis for the chemical elements Barium, Antimony and Lead.

Significant amounts of Barium, Antimony and Lead were detected on the swab labeled "Wound #1".

ANALYST: Dusty E. Davis, B.S.

Dusty E. Davis

Ronald L. Singer

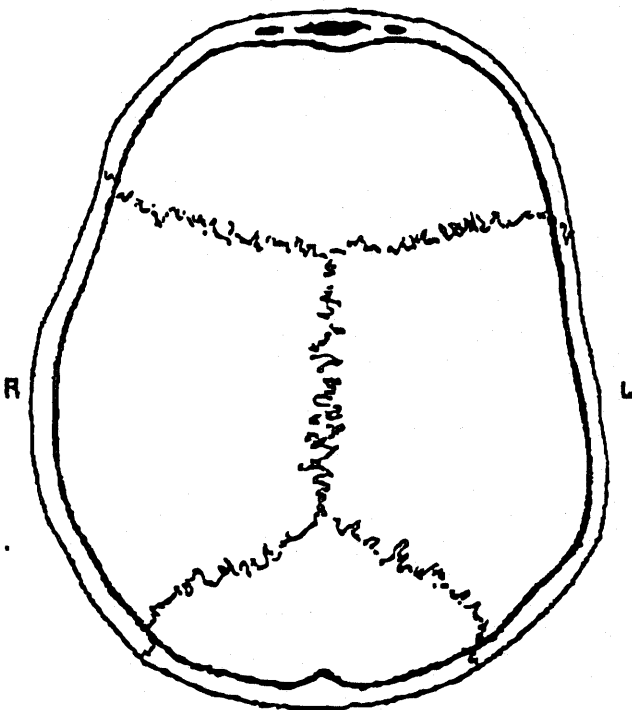
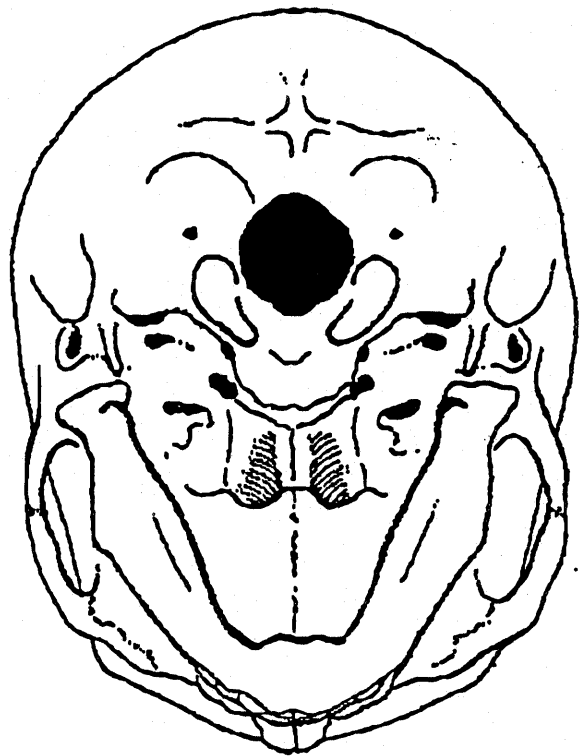
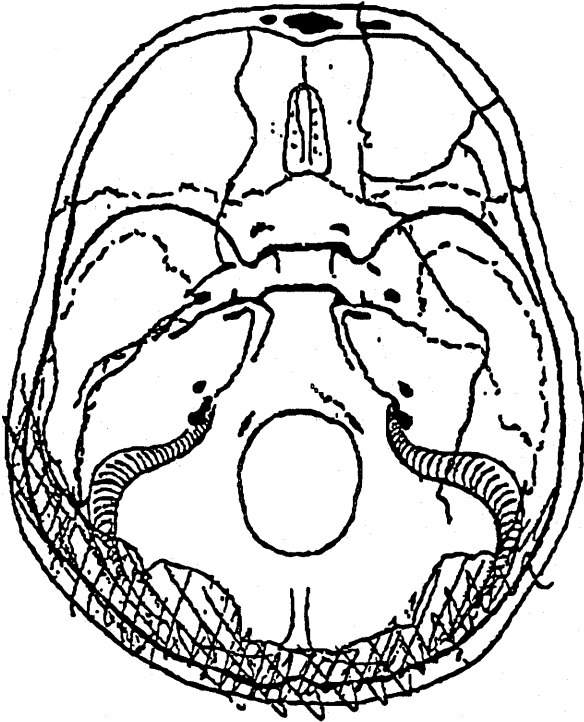
APPROVED BY: Ronald L. Singer, M.S.

APPROVED DATE: 04/30/93

OFFICE OF CHIEF MEDICAL EXAMINER
 AND FORENSIC LABORATORIES
 TARRANT COUNTY MEDICAL EXAMINER'S DISTRICT
 SERVING TARRANT, DENTON AND PARKER COUNTIES
 300 FELIX GWOZDZ PLACE
 FORT WORTH, TEXAS 76104-4919

ME No. 730695* *MC-20*

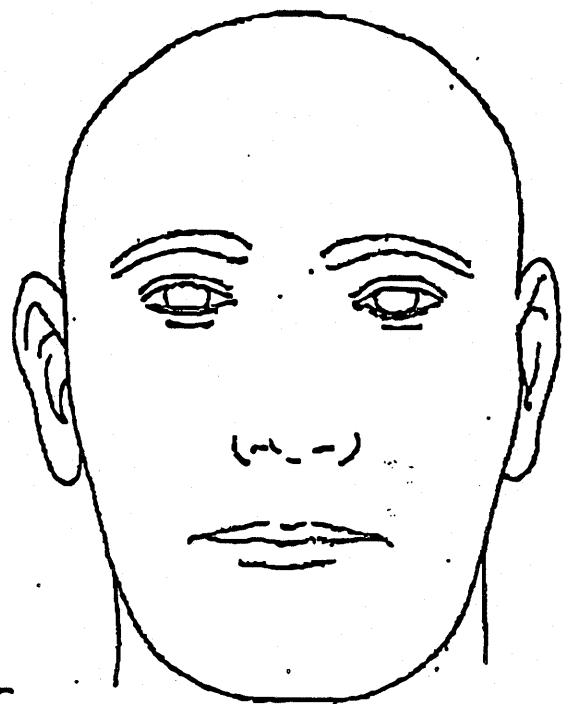
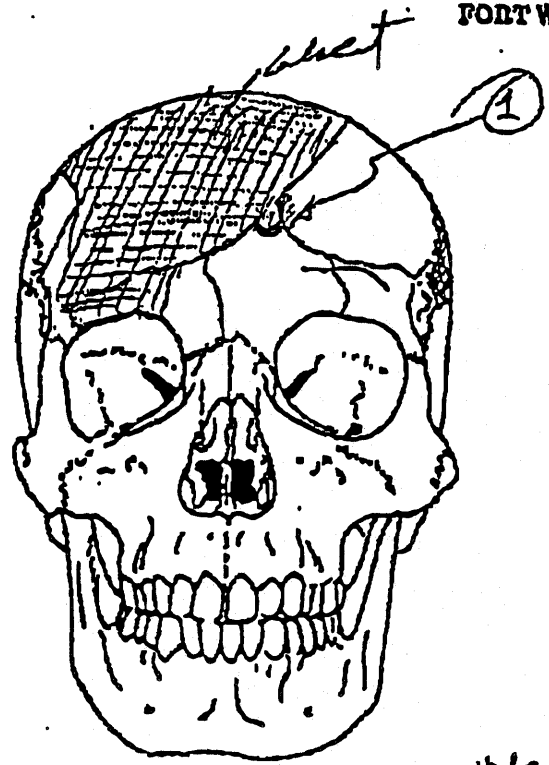
DR. 10/15



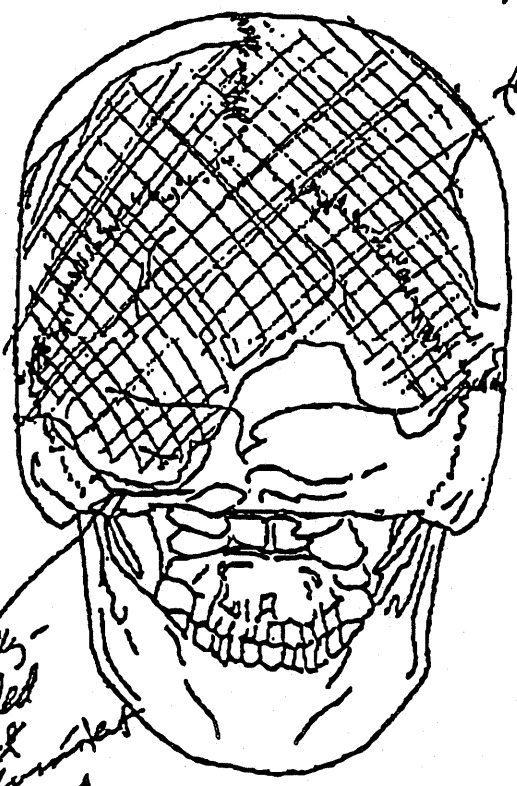
INNER VIEW OF SKULL

TARRANT COUNTY
OFFICE OF CHIEF MEDICAL EXAMINER
8410 CAMP BOWIE BLVD,
FORT WORTH, TEXAS 76107

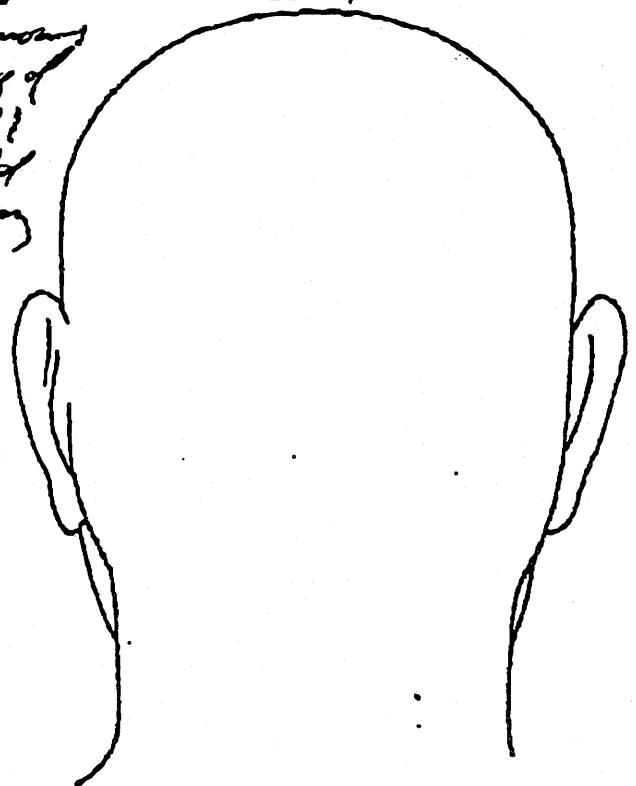
M.E. CASE NO 9300754
HC-20



Note: other
 unsymmetrical
 fragments of
 frontal
 parts
 in bag

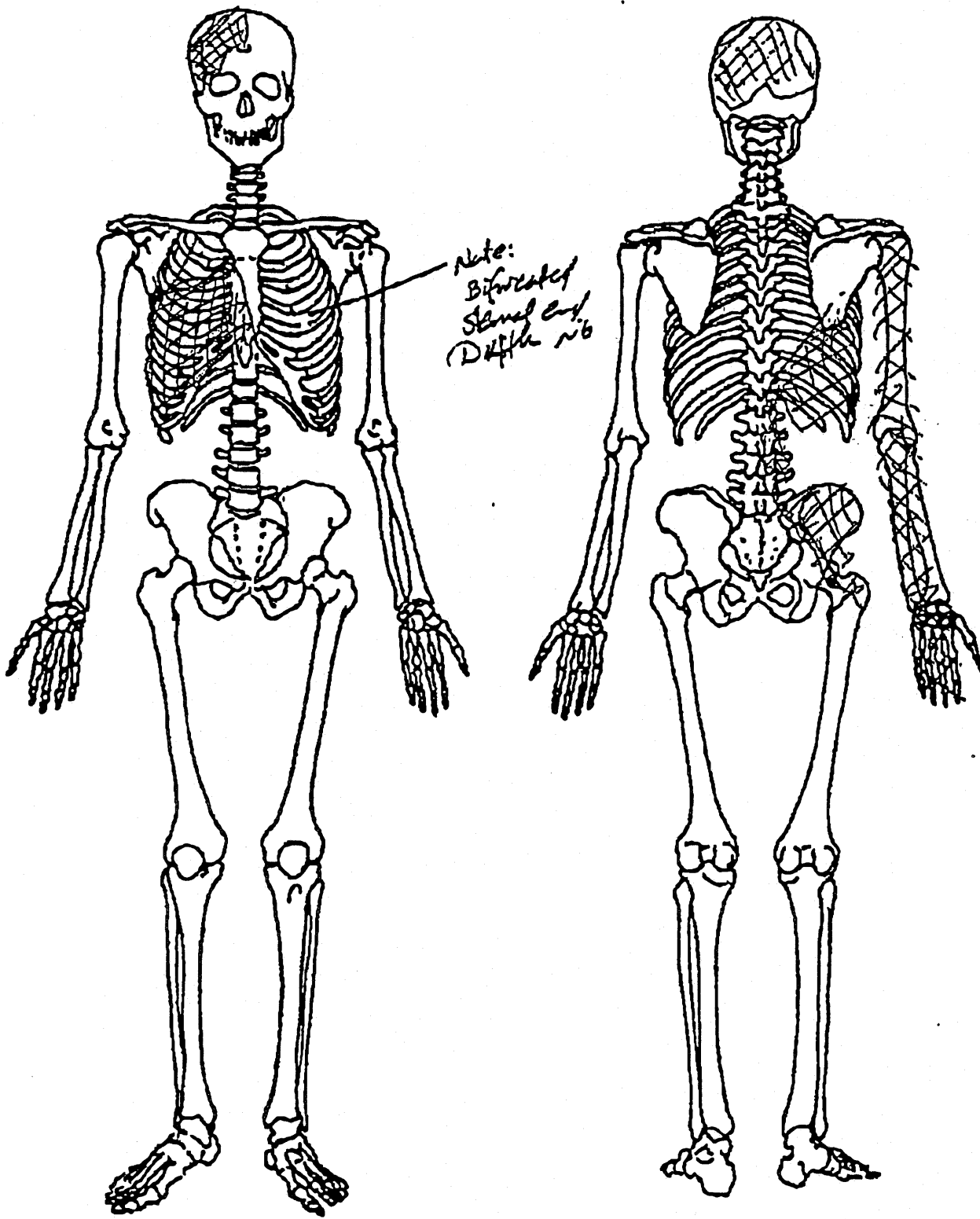


laterally-
 beveled
 defect
 limited
 to ear



TARRANT COUNTY
OFFICE OF CHIEF MEDICAL EXAMINER
3440 CAMP BOWIE BLVD.
FORT WORTH, TEXAS 76107

M.E. CASE NO 720075*
AC-20



*Note:
 Bifurcated
 12th rib*

OFFICE OF CHIEF MEDICAL EXAMINER
TARRANT, DENTON AND PARKER COUNTIES, TEXAS

200 Felts Owozda Place, Fort Worth, Texas 76104-4818
(817) 923-4999 FAX(817) 927-0982

Dental Examination Record
POSTMORTEM RECORD

M.E. CASE NO.: 930021#, RIDDLE, JAMES L.

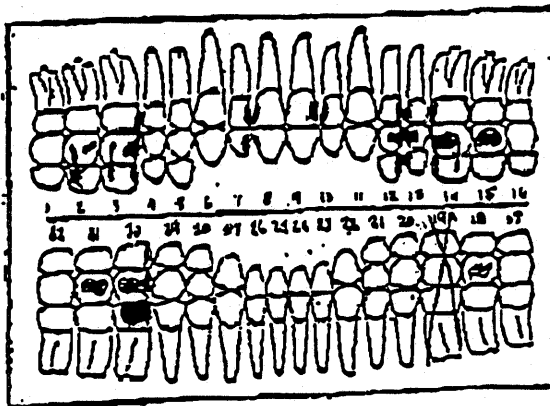
PLACE OF EXAM: T.C.M.E.

DATE: 4-27-93

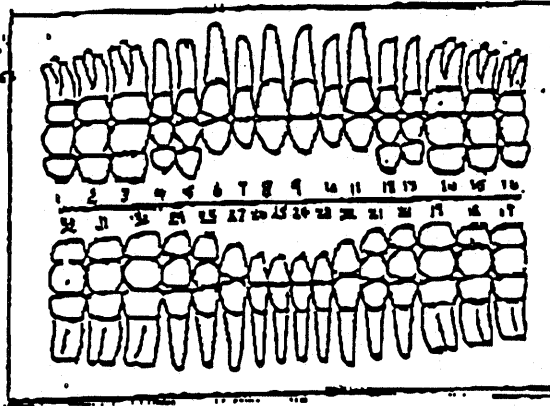
TOOTH NUMBER

- 1. Buccal Version
- 2. Disto-lingual groove-occlusal amalgam
- 3. Disto-lingual groove-amalgam
- A 4. Virgin
- B 5. Virgin
- C 6. Virgin
- D 7. Mesial-facial rotated composite(mesial toward palata)
- E 8. Distal lingual composite/distal rotated toward facial
- F 9. Distal-mesial rotated towards palatal
- G 10. Mesial
- H 11. Virgin
- I 12. DD amalgam
- J 13. MO amalgam
- 14. MO amalgam-Prime amalgam on Palata
- 15. Occlusal Amalgam
- 16. Virgin-distal inclination
- 17. Mesial inclination perio bone
- 18. Occlusal amalgam-perio bone loss
- 19. Missing
- K 20. Virgin
- L 21. "
- M 22. "
- N 23. "
- O 24. Virgin mesial toward lingual
- P 25. Virgin mesial toward lingual
- Q 26. Virgin-slight lingual version
- R 27. Virgin
- S 28. Virgin
- 29. Virgin
- 30. Mesial-occlusal-large buccal amalgam
- 31. Occlusal Amalgam
- 32. Virgin-good position

RESTORATIONS & MISSING TEETH



DISEASE & ABNORMALITIES



Generalized horizontal bone loss, Max midline ever to right 4mm