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TO: Donald Horgan

FROM: Werner Spitz

PLEASE NOTE:

Subcutaneous hemorrhage was found in Byers 331/93 slides numbered 1 and 17 and in slide number 2 with no name, labeled: AR State Crime Lab RC1

Ten (10) microphotographs are enclosed. These illustrate disruption of tissue, bacterial growth, early decomposition, and foreign bodies of vegetal and possibly some of insect origin.

The presence of these foreign bodies in the depth of the tissues, without evidence of hemorrhage, indicates that they were introduced into the tissue after death, most likely by repeated bites by large carnivorous animals, consistent with the appearance of the injuries on the body surface as documented in the postmortem photographs.

000259

ADD00258

Byers 331/93

1 2 sections of skin with thin layer of epidermal keratin and sparse hair follicles.

One of the sections has 2-3 mm of fresh hemorrhage in subcutaneous fat.

2 Skin with epidermal keratin. Hair growth. No injury. No Pathological changes. 2 sections.

3 Skin with epidermal keratin. Hair growth. No injury. No Pathological changes. 2 sections.

4 Skin with epidermal keratin. Hair growth. No injury. No Pathological changes. 2 sections.

5. Rectum with 2 lymph nodes. No injury, no pathological changes.

000260

Byers 331/93

6. Rectum with surface mucosal necrosis. No injury. No pathological changes.
- 7 Rectum unremarkable
- 8 Skin with thin keratin layer, sweat glands, no hair, no hemorrhage, no injury or pathological changes.
- 9 Skin same as 8 with one area of disrupted epidermis without associated hemorrhage, postmortem injury. (Photograph)
- 10 Skin with sparse hair follicles, no injury, no pathological changes. (could be from scrotum)
- 11 Skin with sparse hair follicles, no injury, no pathological changes. (could be from scrotum)

000261

Byers 331/93

- 12 Disrupted, unidentifiable eosinophilic tissue with clusters of bacteria and superficial debris. Center has faint basophil (bluish) discoloration. More debris in depth of slide. Material in slide is generally thin strands of wavy tissue devoid of nuclei. Some of the debris suggests vegetal origin. Overall - necrotic subcutaneous tissue. (Photograph)
- 13 Skin with unidentifiable foreign bodies on surface and within epidermis at one edge of slide. Hairy, necrotic subcutaneous tissue with focal foreign material incorporated in surface. (Photograph)
- 14 Skin with sparse hair growth. Disrupted epidermis (focal) without hemorrhage.
- 15 Skin. Unidentifiable granular foreign body in subcutaneous fat and fibro-adipose tissue. Some of the foreign bodies may be of vegetal origin, some may be from insect. Wound in surface shows no hemorrhage but extensive bacterial overgrowth. (Photograph)

000262

- 16 Hairy skin with epidermal disruption without hemorrhage

- 17 Fresh hemorrhage in subcutaneous fibrofatty and muscular tissue. No epidermis.

- 18 Fibromuscular and fatty subcutaneous tissue with unidentified deep seated circular foreign body. No hemorrhage. (Photograph)

- 19 Fibromuscular and fatty subcutaneous tissue. No epidermis

000233

Branch

- 1 Skin, sparse hair. No injury. No pathological changes.
- 2 Skin, sparse hair. No injury. No pathological changes.
- 3 Skin, sparse hair. No injury. No pathological changes.
- 4 Skin. No hair growth. No injury. No pathological changes.
- 5 Penile skin, with corpus cavernosum. No injury.
- 6 Perineum, penile skin, with corpus cavernosum. No injury.
- 7 Congested skin, possibly perineal and penile. No injury. No pathological changes.

000264

Branch

- 8 Perineal skin with subcutaneous fat and skeletal muscle. No injury. No pathological changes.

- 9 Perineal skin with subcutaneous fat and skeletal muscle. No injury. No pathological changes.

- 10 Pre-pubertal testis, 2 sections. No injury. No pathological changes.

000205

Moore

7

- 1 Skin with subcutaneous fat. No injury. No pathological changes. Sparse hair growth.

000266

ADD00265

Unidentified origin

8

- 2 Skin with sparse hair growth. Abundant fresh hemorrhage in subcutaneous fat.
- 3 Skin, sparse hair. No injury. No pathological changes
- 4 Skin, sparse hair. No injury. No pathological changes.
- 5 Skin from perineum including anus. No injury. No pathological changes.
- 6 Perineum. No injury. No pathological changes.
- 7 Pre-pubertal testis. No injury. No pathological changes.

000267

ADD00266