

71-CID011-0015



DEPARTMENT OF THE ARMY  
USA CRIMINAL INVESTIGATION LABORATORY  
FORT GORDON, GEORGIA 30905

LABORATORY REPORT  
NUMBER FA-D-P-C-FP-82-70  
(CONSOLIDATED)

UNIT CASE NUMBER  
70-CID023-10198

Index of Exhibits

A complete index of the exhibits examined in this case is found on pages 1 thru 13 of this consolidated report. Note that an alpha-numeric system was adopted by USACIL technicians to identify the evidence forwarded to the laboratory for processing. The system was devised to assist laboratory personnel in easily identifying the type evidence to be examined (i.e. the letter "D" is the prefix utilized for bloodstains, the letter "V" is the prefix used for fingerprints, etc.), while letter suffixes indicate the location of where the exhibits were found at the crime scene. (i.e. NB-north bedroom, MBR-master bedroom, K-kitchen, etc.) All evidence in this case was handled in accordance with current Army regulations and accountability records are on file both at the office of the requesting unit and in the administrative and technical divisions of USACIL.

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STATEMENT

I, Captain Joel L Leson, 190-34-3035, was Commanding Officer of the US Army Criminal Investigation Laboratory (USACIL) during the period 13 May 1969 to 24 August 1970. During the course of that period, USACIL was called upon to render forensic scientific assistance to Detachment B, 3d MP GP (CI), Fort Bragg, North Carolina, in a case involving Captain Jeffrey R. MacDonald, his wife, Mrs. Collette MacDonald, and his children Kimberly and Kristen MacDonald. Initial notification was received by me at 0550 hours, 17 February 1970, from the duty officer, US Army Military Police School that a multiple homicide had been committed at Fort Bragg and that a crime scene processing team was being requested. After confirming this information with Det B, 3d MP GP personnel (CW3 Moser and CW2 R.P. Orrr) I arranged for an aircraft to standby at the Fort Gordon 3d Army Aviation Detachment. At 0730 hours, I briefed the laboratory team composed of CW2 Harold V. Page (Photography), MSG H. O. Medlin (Fingerprints), WD1 Ralph T. Turbyfill (Fingerprints), and SP4 Craig S. Chamberlain (Chemistry). At 0820, Colonel Herman Trop, CO, 3d MP GP (CI), briefed the team in a conference call and after this was completed, the team proceeded to Bush Field, Augusta, GA, for air transportation to Fort Bragg.

From the departure of the crime scene team until its return, I maintained daily contact with MSG Medlin (Team leader) in an effort to see if further

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support was required from USACIL to personnel at Ft Bragg. Upon the return of the USACIL team on 21 February 1970, all evidence was marked for laboratory identification and processing began.

A de-briefing was given by MSG H. O. Medlin with regard to this case on 23 February 1970. At this time we noted that although crime scene search and processing in the field is not a standard function of this unit, the response provided was both adequate and timely.

MSG Medlin made a number of recommendations regarding contingencies which call for direct support to the field by USACIL technicians. These included the obtaining of coveralls and lab coats stored and ready for issue when such contingencies arise. (This recommendation has been implemented in all divisions of USACIL.) It was recommended that a set of field kits be prepared for each division to expedite "quick response" assistance to the field. (This has been accomplished.) As a result of the extensiveness of this case, additional serology specialists and training in crime scene processing by lab chemists was programmed into the Chemistry Division's program of instruction. A recommendation to insure that all USACIL chemists are prepared for a case such as this, if and when assistance to the field is requested in the future was also made.

To expedite this case a priority was given all evidence involved after its arrival at the laboratory. All results were forwarded after normal laboratory quality control checks and tests were made.

With regard to legal assistance provided by USACIL - both trial and defense counsels were given statements by the technicians involved in the case for the purpose of clarifying their findings and presenting their qualifications.

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With regard to this assistance, when approval was granted to conduct a taped interview by Cpt Robert Payne, defense counsel's representative at Fort Gordon, it was agreed that a typed transcript would be provided USACIL to allow for review by technicians being interviewed prior to Article 32 testimony. This was not done. (MSG Medlin was the only examiner interviewed.) Due to the lack of specific questions from defense counsel (civilian lawyers Eisman and Segal) Cpt Payne terminated questioning of other technicians.

As a result of certain allegations made by CPT MacDonald, I additionally provided a verbal statement to LTC Thomas E. Day on 21 December 1970, which explained liaison with the Federal Bureau of Investigations's ID Division, involving the processing of fingerprints by this unit and the FBI. I am certain that every action taken by USACIL in the conduct of this case was correct and in accordance with proper scientific and administrative policy. I am convinced that this unit performed professionally and ethically throughout the conduct of this investigation.

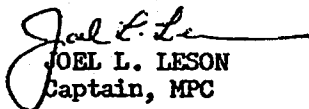
  
JOEL L. LESON  
Captain, MPC

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DEPARTMENT OF THE ARMY  
USA CRIMINAL INVESTIGATION LABORATORY  
FORT GORDON, GEORGIA 30905

71-CI(011)-0015

LABORATORY REPORT  
NUMBER FA-D-P-C-FP-82-70  
(CONSOLIDATED)

UNIT CASE NUMBER  
70-CIDO23-10198

CONTRIBUTOR: Detachment Commander, Det B, 3d MP GP (CI)  
Ft Bragg, NC 28307

SUSPECT: MacDONALD, CPT Jeffrey

VICTIM: MacDONALD, Mrs. Collette; MacDONALD, Kristen;  
MacDONALD, Kimberly

OFFENSE: Murder

EVIDENCE EXAMINED:

- Exhibit A - Piece of wood 31" x 1 1/2" x 1 1/2" bearing red-brown and white stains
- Exhibit A1- One length of wood approximately 11 3/8" x 1 9/16" x 1 5/8"
- Exhibit A2- One length of wood approximately 7 15/16" x 1 9/16" x 1 3/4"
- Exhibit A3- One length of wood approximately 19 1/2" x 3 1/2" x 1 1/8"
- Exhibit A4- One length of wood approximately 17 1/8" x 5 3/8" x 1 1/2"
- Exhibit A5 thru A16 - Home made shelving and sections of shelving
- Exhibit B1- Paring knife marked "Old Hickory" bearing red-brown stains
- Exhibit B2- Paring knife marked "Genova Forge USA" bearing red-brown stains
- Exhibit C - Ice pick bearing red-brown stains
- Exhibit D1- Red brown stain from south radiator in east bedroom
- Exhibit D-1a - Red-brown stain from south radiator in east bedroom
- Exhibit D2- Red-brown stain near south radiator in east bedroom
- Exhibit D-2a - Control area near south radiator in east bedroom
- Exhibit D-2R - Red-brown stain near south radiator in east bedroom
- Exhibit D4- Red-brown stain from southern runner of bed in east bedroom
- Exhibit D-4a - Control area from southern runner of bed in east bedroom
- Exhibit D5- Portion of curtain bearing red-brown stain from south window, in east bedroom
- Exhibit D7- Red-brown stain from south closet door in east bedroom
- Exhibit D8- Red-brown stain from south closet door in east bedroom

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NUMBER FA-D-P-C-FP-82-70  
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UNIT CASE NUMBER  
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- Exhibit D-9 - Red-brown stain from right side of light switch in east bedroom
- Exhibit D-9a- Control area from right side of light switch in east bedroom
- Exhibit D-10- Red-brown stain from bottom south edge of west door jam in east bedroom
- Exhibit D-10a-Red-brown stain from bottom south edge of west door jam in east bedroom
- Exhibit D-11 -Red-brown stain from south-west corner of dresser in east bedroom
- Exhibit D-12 -Portion of lampshade bearing red-brown stain on dresser in east bedroom
- Exhibit D-13 -Red-brown stain from knife on floor of east bedroom
- Exhibit D-14 -Red-brown stain from front of dresser in east bedroom
- Exhibit D-14a-Red-brown stain from front of dresser in east bedroom
- Exhibit D-15 - Portion of curtain bearing red-brown stains from east window of east bedroom
- Exhibit D-17 - Red-brown stain from east radiator of east bedroom
- Exhibit D-18 - Red-brown stain from east wall over north-east corner of headboard of bed in east bedroom
- Exhibit D-18a- Red-brown stain from east wall over north-east corner of headboard of bed in east bedroom
- Exhibit D-19 - Sheet bearing red-brown stains from bed in east bedroom
- Exhibit D-20 - Pillow case bearing red-brown stains from bed in east bedroom
- Exhibit D-23 - Three wooden splinters bearing red-brown stains and other debris from floor near body outline of east bedroom
- Exhibit D-25 - Red liquid on rug mat under rug in area of body outline in east bedroom
- Exhibit D-26 - Red-brown stain on ceiling near light in east bedroom
- Exhibit D-27 - Red-brown stain on ceiling near light in east bedroom
- Exhibit D-27R- Red-brown stain on ceiling near light in east bedroom
- Exhibit D-28 - Red-brown stain on ceiling near light in east bedroom
- Exhibit D-29 - Red-brown stain from footboard of bed in east bedroom
- Exhibit D-29a- Control area from footboard of bed in east bedroom
- Exhibit D-29b- Red-brown stain from footboard of bed in east bedroom
- Exhibit D-29c- Red-brown stain from footboard of bed in east bedroom
- Exhibit D-30 - Red brown stain marked "PIG" on headboard in east bedroom
- Exhibit D-30a- Control area marked "PIG" on headboard in east bedroom
- Exhibit D-30b- Red-brown stain marked "PIG" on headboard in east bedroom
- Exhibit D-31 - Pink tissue bearing red-brown stains at entrance to hall bathroom
- Exhibit D-33 - Red-brown stain from eyeglasses found on floor of livingroom
- Exhibit D-34 - "Midnight Sun" shampoo box bearing red-brown stains from east bedroom
- Exhibit D-35 - White plastic hairbrush bearing red-brown stains near body outline in east bedroom
- Exhibit D-36 - Red-brown stain from step ladder in hall bathroom

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- Exhibit D-37 - Red-brown stain from stool in hall bathroom
- Exhibit D-38 - Control area from stool in hall bathroom
- Exhibit D-39 - Control area from step ladder in hall bathroom
- Exhibit D-40 - Wicker material bearing red-brown stain from stool in hall bathroom
- Exhibit D-41 - Red-brown stain from left side of sink in hall bathroom
- Exhibit D-42 - Control area from left side of sink in hall bathroom
- Exhibit D-43 - Red-brown stains from front and right side of sink in hall bathroom
- Exhibit D-44 - Red-brown stains from front and right side of sink in hall bathroom
- Exhibit D-45 - Red-brown stain from right side of sink in hall bathroom
- Exhibit D-46 - Red-brown stain from right side of sink in hall bathroom
- Exhibit D-47 - Control area from right side of sink in hall bathroom
- Exhibit D-48 - Red-brown stains from faucets of sink in hall bathroom
- Exhibit D-49 - Pink tissue bearing red-brown stains from sink in hall bathroom
- Exhibit D-51 - Red-brown stains from above left side of sink on wall in hall bathroom
- Exhibit D-52 - Red-brown stain from wall close to lower right corner of mirror in hall bathroom
- Exhibit D-53 - Red-brown stain on south wall by light switch in hall bathroom
- Exhibit D-54 - Red-brown stain on south top edge of bathtub in hall bathroom
- Exhibit D-55 - Cloth toilet seat cover bearing red-brown stain from hall bathroom
- Exhibit D-56 - Red-brown stain from east side of door jam of hall bathroom
- Exhibit D-57 - Control area from east side of door jam of hall bathroom
- Exhibit D-58 - Red-brown stain on east door jam of hall bathroom
- Exhibit D-59 - Red-brown stain on wall close to hall bathroom entrance
- Exhibit D-61 - Red-brown stain on north hall wall
- Exhibit D-62 - Red-brown stain on north hall wall
- Exhibit D-63 - Red-brown stain on north hall wall close to east bedroom
- Exhibit D-64 - Red-brown stain on north hall wall and east bedroom door jam
- Exhibit D-65 - Red-brown stain on south door jam of east bedroom
- Exhibit D-66 - Red-brown stain on south door jam of east bedroom
- Exhibit D-67 - Red-brown stain on south hall wall
- Exhibit D-68 - Red-brown stain on south hall wall
- Exhibit D-69 - Red-brown stain on south hall wall
- Exhibit D-70 - Red-brown stain on base board of south hall wall
- Exhibit D-71 - Red-brown stain on south hall wall
- Exhibit D-72 - Red-brown stain on south hall wall
- Exhibit D-73 - Red-brown stain on baseboard and south hall wall
- Exhibit D-74 - Red-brown stain on inside of west door jam of south bedroom

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LABORATORY REPORT NUMBER  
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UNIT CASE NUMBER  
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- Exhibit D-75 - Red-brown stain on outside of west door jam of south bedroom
- Exhibit D-76 - Red-brown stain from south hall wall
- Exhibit D-77 - Red-brown stain from south hall wall
- Exhibit D-78 - Red-brown stain from south hall wall
- Exhibit D-79 - Red-brown stain from south hall wall
- Exhibit D-80 - Red-brown stain from south hall wall
- Exhibit D-81 - Red-brown stain from south hall wall
- Exhibit D-82 - Red-brown stain from south hall wall
- Exhibit D-83 - Red-brown stain from south hall wall
- Exhibit D-84 - Red-brown stain from north wall of hall
- Exhibit D-85 - Red-brown stain from high on south hall wall
- Exhibit D-88 - Red-brown stain on south hall wall
- Exhibit D-89 - Red-brown stain on south hall wall and baseboard
- Exhibit D-90 - Red-brown stain on north hall wall
- Exhibit D-92 - Red-brown stain on north hall wall
- Exhibit D-93 - Red-brown stain on north hall wall
- Exhibit D-94 - Red-brown stain on north hall wall
- Exhibit D-95 - Red-brown stain on north hall wall
- Exhibit D-98 - Red-brown stain from baseboard of north hall wall
- Exhibit D-104 - Red-brown stain from west door jam to north bedroom
- Exhibit D-106 - Red-brown stain from hall baseboard at entrance to bathroom
- Exhibit D-107 - Red-brown stain from hall baseboard at entrance to bathroom
- Exhibit D-108 - Red-brown stain from hall baseboard at entrance to bathroom
- Exhibit D-109 - Red-brown stain from hall baseboard at entrance to bathroom
- Exhibit D-110 - Red-brown stain from hall baseboard at entrance to bathroom
- Exhibit D-111 - Red-brown stain from east wall at living room
- Exhibit D-112 - Red-brown stain from east wall at living room
- Exhibit D-113 - Red-brown stain from east wall at living room
- Exhibit D-114 - Red-brown stains from edge of south closet door on east hall wall
- Exhibit D-118 - Wooden splinter bearing red-brown stain and debris off of north pillow from bed in south bedroom
- Exhibit D-121 - North pillow and cover bearing red-brown stains from bed in south bedroom
- Exhibit D-122 - South pillow and cover bearing red-brown stains from bed in south bedroom
- Exhibit D-123 - Purple bed cover bearing red-brown stains from bed in south bedroom
- Exhibit D-124 - Quilt bearing red-brown stains from bed in south bedroom
- Exhibit D-125 - Purple blanket bearing red-brown stains from bed in south bedroom

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UNIT CASE NUMBER  
70-CIDO23-10198

- Exhibit D-126 - Top sheet bearing red-brown stains from bed in south bedroom
- Exhibit D-127 - Bottom sheet bearing red-brown stains from bed in south bedroom
- Exhibit D-128 - Portion of collar bearing red-brown stains from bed in south bedroom
- Exhibit D-129 - Bed mat bearing red-brown stains from bed in south bedroom
- Exhibit D-130 - Red-brown stain on headboard of bed in south bedroom
- Exhibit D-132 - Red-brown stain on west wall of south bedroom
- Exhibit D-133 - Red-brown stain on west wall of south bedroom
- Exhibit D-134 - Red-brown stain on north wall of south bedroom
- Exhibit D-135 - Red-brown stain on north wall of south bedroom
- Exhibit D-136 - Red-brown stain on north wall of south bedroom about seven feet high over bed
- Exhibit D-137 - Red-brown stain on north wall of south bedroom
- Exhibit D-138 - Red-brown stain on west picture of clown on north wall of south bedroom
- Exhibit D-139 - Cloth doll bearing red-brown stain from south bedroom
- Exhibit D-140 - Red-brown stain on west wall above north closet door at east bedroom
- Exhibit D-141 - Red-brown stains on south closet door of east bedroom
- Exhibit D-142 - Portion of mattress, southeast corner, bearing red-brown stains from bed in south bedroom
- Exhibit D-143 - Portion of mattress, middle end of bed in south bedroom
- Exhibit D-144 - Portion of hall floor at west entrance bearing red-brown stains
- Exhibit D-145 - Portion of hall floor bearing red-brown stains
- Exhibit D-146 - Portion of hall floor near south bedroom bearing red-brown stains
- Exhibit D-147 - Portion of hall floor near south bedroom bearing red-brown stains
- Exhibit D-148 - Portion of hall floor near south bedroom bearing red-brown stains
- Exhibit D-149 - Portion of hall floor near south bedroom bearing red-brown stains
- Exhibit D-150 - Portion of hall floor between bathroom and south bedroom bearing red-brown stains
- Exhibit D-151 - Portion of hall floor between bathroom and south bedroom bearing red-brown stains
- Exhibit D-152 - Portion of hall floor in front of bathroom bearing red-brown stains
- Exhibit D-153 - Portion of hall floor in front of bathroom bearing red-brown stains
- Exhibit D-154 - Portion of hall floor in front of bathroom bearing red-brown stains
- Exhibit D-155 - Portion of hall floor between east bedroom and bathroom bearing red-brown stains
- Exhibit D-156 - Portion of hall floor near entrance to east bedroom bearing red-brown stains

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- Exhibit D-157 - Portion of hall floor near entrance to east bedroom bearing red-brown stains
- Exhibit D-158 - Portion of hall floor near entrance to east bedroom bearing red-brown stains
- Exhibit D-159 - Upholstry from green chair in east bedroom bearing red brown stains
- Exhibit D-161 - Portion of floor bearing red-brown stains from under living room window
- Exhibit D-163 - Portion of floor at entrance to kitchen bearing red-brown stains
- Exhibit D-165 - Portion of floor at entrance to kitchen bearing red-brown stains
- Exhibit D-207A- Portion of rug bearing red-brown stains from master bedroom (east bedroom)
- Exhibit D-207B- Portion of rug bearing red-brown stains from entrance to master bedroom. (east bedroom)
  
- Exhibit D-207C- Portion of rug bearing red-brown stains from master bedroom. (east bedroom)
- Exhibit D-208 - Clothing bearing red-brown stains from Kimberly MacDonald
- Exhibit D-209 - Clothing bearing red-brown stains from Collette MacDonald
- Exhibit D-210 - Blue pajama top bearing red-brown stains
- Exhibit D-211 - Blue sheet bearing red-brown stains from floor of east bedroom
- Exhibit D-212 - Clothing bearing red-brown stains from Kristen MacDonald
- Exhibit D-214 - Bath mat bearing red-brown stains from body of Collette MacDonald
- Exhibit D-215 - Portion of north bedroom floor bearing red-brown stains (footprint) marked Q thru Z
- Exhibit D-216 - Portion of north bedroom floor bearing red-brown stains (footprint) marked 9 thru 16
- Exhibit D-217 - Portion of hall floor bearing red-brown stains (footprint) marked F thru K
- Exhibit D-218 - Picture bearing red-brown stain from living room floor
- Exhibit D-219 - Blue girl's coat bearing red-brown stains
- Exhibit D-220 - Purple-brown quilt bearing red-brown stain
- Exhibit D-221 - Terry cloth robe bearing red-brown stains
- Exhibit D-222 - Pot holder bearing red-brown stains
- Exhibit D-223 - Top of toilet tank bearing red-brown stains
- Exhibit D-224 - Two bottles containing liquid from hall bathroom sink trap
- Exhibit D-225 - Poncho bearing red-brown stains
- Exhibit D-227 - Green-blue-yellow throw rug bearing red-brown stains from east bedroom
- Exhibit D-228 - Pair of shoes bearing red-brown stains from east bedroom
- Exhibit D-229 - Multicolored bed spread bearing red-brown stains from east bedroom

EXHIBIT

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UNIT CASE NUMBER  
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- Exhibit D-230 - Pillow bearing red-brown stains from hospital
- Exhibit D-231 - Pillow cover bearing red-brown stains from hospital
- Exhibit D-232 - Blue material, apparently pajama pocket, bearing red-brown stains
- Exhibit D-233 - Fingernail scrapings from left hand of Collette MacDonald
- Exhibit D-234 - Fingernail scrapings from right hand of Collette MacDonald
- Exhibit D-235 - Fingernail scrapings from right hand of Kimberly MacDonald
- Exhibit D-236 - Fingernail scrapings from left hand of Kimberly MacDonald
- Exhibit D-237 - Fingernail scrapings from left hand of Kristen MacDonald
- Exhibit D-238 - Fingernail scrapings from right hand of Kristen MacDonald
- Exhibit D-239 - Fingernail scrapings from Captain MacDonald
- Exhibit D-240 - White cabinet door bearing red-brown stains from kitchen
- Exhibit D-241 - Green sponge bearing red-brown stains from kitchen
- Exhibit D-242 - Yellow sponge bearing red-brown stains from kitchen
- Exhibit D-243 - Cap from baby food bottle bearing red-brown stains from kitchen
- Exhibit D-244 - Medical scrub brush bearing red-brown stains from kitchen
- Exhibit D-245 - Package containing surgeons gloves bearing red-brown stains from kitchen
- Exhibit D-246 - Plastic cover from "kit" can bearing red-brown stains from kitchen
- Exhibit D-247 - Red-brown stains from inside of kitchen cabinet door
- Exhibit D-248 - Red-brown stains from kitchen cabinet under sink between doors
- Exhibit D-249 - Red-brown stains from under edge of sink in kitchen
- Exhibit D-250 - Red-brown stains from under left kitchen sink
- Exhibit D-251 - Red-brown stains from near D-165, dining room floor
- Exhibit D-252 - Red-brown stains from dining room doorway, 1'11" above floor
- Exhibit D-253 - Red-brown stains from dining room doorway, 3' above floor
- Exhibit D-254 - Quilted white pad bearing red-brown stains from east bedroom bed
- Exhibit D-255 - White hand towel bearing red-brown stains
- Exhibit D-256 - Debris from Collette MacDonald's hands, including red crusts
- Exhibit D-258 - Red-brown stains from east bedroom floor behind bed headboard (1)
- Exhibit D-259 - Red-brown stains from east bedroom floor behind bed headboard (2)
- Exhibit D-260 - Red-brown stains from floor by north end table in east bedroom (3)
- Exhibit D-261 - Red-brown stains from south surface of north end table in east bedroom (4)
- Exhibit D-262 - Red-brown stains from south surface of north end table in east bedroom (4a)
- Exhibit D-263 - Red-brown stains from east wall baseboard behind headboard of bed in east bedroom (5)
- Exhibit D-264 - Red-brown stains from rug under head of bed in east bedroom (6)
- Exhibit D-265 - Red-brown stains from baseboard behind headboard of bed in east bedroom (7)
- Exhibit D-266 - Portion of rubber rug mat bearing red-brown stains from east side of head of bed in east bedroom (8)

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- Exhibit D-267 - Red-brown stains from inside surface of footboard of bed in east bedroom (9)
- Exhibit D-268 - Red-brown stains from inside surface of footboard of bed in east bedroom (10)
- Exhibit D-269 - Red-brown stains from inside surface of footboard of bed in east bedroom (11)
- Exhibit D-270 - Red-brown stains from left edge of bed footboard in east bedroom (12)
- Exhibit D-271 - Portion of lampshade bearing red-brown stains from north end table in east bedroom (13)
- Exhibit D-272 - Portion of rug bearing red-brown stains from right leg area in east bedroom (17)
- Exhibit D-273 - Portion of rug bearing red-brown stains from crotch and between legs of body in east bedroom (18)
- Exhibit D-274 - Portion of rug bearing red-brown stains from hip area of body in east bedroom (19)
- Exhibit D-275 - Portion of rug bearing red-brown stains from left elbow area of body in east bedroom (21)
- Exhibit D-276 - Portion of rug bearing red-brown stains from left elbow area of body (22)
- Exhibit D-277 - Portion of rug bearing red-brown stains from left armpit area of body in east bedroom (23)
- Exhibit D-278 - Red-brown stains from front side of north night stand in east bedroom (24)
- Exhibit D-279 - One toy bear bearing red-brown stains
- Exhibit D-1K - Red-brown stain from north door frame of kitchen
- Exhibit D-2K - Red-brown stain from north door frame of kitchen
- Exhibit D-3K - Red-brown stain from south door frame of kitchen
- Exhibit D-4K - Red-brown stain from wall at south side of kitchen door frame
- Exhibit D-5K - Red-brown stain from upper center of refrigerator in kitchen
- Exhibit D-6K - Red-brown stain above handle of refrigerator in kitchen
- Exhibit D-7K - Red-brown stain by handle of refrigerator in kitchen
- Exhibit D-8K - Red-brown stain from lower east side of refrigerator door in kitchen
- Exhibit D-9K - Red-brown stain from kitchen floor by northeast corner of refrigerator
- Exhibit D-10K - Red-brown stain from lower left sink cabinet door in kitchen
- Exhibit D-11K - Red-brown stain from sink cabinet above left middle cabinet door of kitchen
- Exhibit D-12K - Red-brown stain from upper left sink cabinet drawer in kitchen
- Exhibit D-13K - Red-brown stain from upper left sink cabinet drawer by handle in kitchen
- Exhibit D-14K - Red-brown stain from left front of utility cabinet to right of kitchen sink
- Exhibit D-15K - Red-brown stain from door of utility cabinet to the right of sink and right of cabinet handle in kitchen
- Exhibit D-16K - Red-brown stain from door of utility cabinet to the right of sink above handle in kitchen

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- Exhibit D-17K - Red-brown stain from door of utility cabinet to right of sink above and to right of handle in kitchen
- Exhibit D-18K - Red-brown stain from east side of clothes washer in kitchen
- Exhibit D-19K - Red-brown stain from east side of clothes washer in kitchen
- Exhibit D-20K - Red-brown stain from upper west corner of north kitchen door
- Exhibit D-21K - Red-brown stain from bottom center of north kitchen door
- Exhibit D-22K - Red-brown stain on kitchen floor, 1' $\frac{1}{2}$ " northeast of northwest corner of refrigerator
- Exhibit D-23K - Red-brown stain on kitchen floor, 8' southwest of north corner of kitchen
- Exhibit D-24K - Red-brown stain on kitchen floor, 3' $\frac{1}{2}$ " northeast of northwest corner of stove
- Exhibit D-25K - Red-brown stains on kitchen floor, 1'9" north or northwest corner of stove
- Exhibit D-26K - Red-brown stain on kitchen floor, 2'6" north of south wall and 2" east of sink cabinet
- Exhibit D-27K - Red-brown stain on west side of clothes washer in kitchen
- Exhibit D-28K - Red-brown stain from "Taxy Liquid Soap" container by sink in kitchen
- Exhibit D-29K - Red-brown stain from heater on east wall of kitchen
- Exhibit D-30K - Control area from south wall of kitchen
- Exhibit D-31K - Control area from sink cabinet in kitchen
- Exhibit D-32K - Control area from kitchen floor, south of north door
- Exhibit D-33K(1-2) - Two rubber gloves bearing red-brown stains from kitchen
- Exhibit D-34K(1-3) - Three cloth gloves bearing red-brown stains from kitchen
- Exhibit D-36NB - Green yarn bearing red-brown stains from rug in north bedroom
- Exhibit D-37NB - Green throw rug bearing red-brown stains from north bedroom
- Exhibit D-40NB - Plastic Santa Claus bearing red-brown stains from north bedroom
- Exhibit D-41NB - Blue doll bearing red-brown stains from north bedroom
- Exhibit D-42NB - Doll shirt bearing red-brown stains from north bedroom
- Exhibit D-43NB - Stuffed dog bearing red-brown stains from north bedroom
- Exhibit D-48NB - Red-brown stains from floor near east side of bedroom north bedroom
- Exhibit D-49NB - Red-brown stains from floor near east side of bed from north bedroom
- Exhibit D-50NB - Red-brown stains from floor near east side of bed from north bedroom
- Exhibit D-53NB - Plastic baby bottle bearing red-brown stains from north bedroom
- Exhibit D-55NB - Hairs, fibers, and miscellaneous debris from folded bedspread at foot of bed in north bedroom
- Exhibit D-56NB - Green bedspread bearing red-brown stains on bed from north bedroom
- Exhibit D-58NB - Pink blanket from bed in north bedroom
- Exhibit D-60NB - Top sheet bearing red-brown stains from bed of north bedroom
- Exhibit D-62NB - Pillow with cover bearing red-brown stains from bed of north bedroom

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- Exhibit D-64NB - Bottom sheet of bed bearing red-brown stains from bed of north bedroom
- Exhibit D-65NB - Red-brown stain from plastic sheet on upper mattress in north bedroom
- Exhibit D-66NB - Plastic sheet bearing red-brown stains from upper mattress in north bedroom
- Exhibit D-67NB - Portion of plastic sheet bearing red-brown stains on lower mattress in north bedroom
- Exhibit D-68NB - Red-brown stains from plastic sheet on lower mattress in north bedroom
- Exhibit D-69NB - Red-brown stain from west wall of north bedroom
- Exhibit D-70NB - Red-brown stain from west wall of north bedroom
- Exhibit D-71NB - Red-brown stain from west wall of north bedroom
- Exhibit D-72NB - Portion of curtain bearing red-brown stain from window in north bedroom
- Exhibit E-1 - Debris from rug in front of sofa in living room
- Exhibit E-2 - Debris from rug at front, near end of sofa in living room
- Exhibit E-3 - Debris from mouth area of Collette MacDonald
- Exhibit E-4 - Debris from right hand of Collette MacDonald
- Exhibit E-5 - Debris from left hand of Collette MacDonald
- Exhibit E-6 - Debris from fracture site of right forearm of Collette MacDonald
- Exhibit E-7 - Hair like substance from cage over armchair in east bedroom
- Exhibit E-8 - Hairbrush containing hairs from dresser in east bedroom
- Exhibit E-9 - Hair samples from clothing in north bedroom closet
- Exhibit E-10 - Hair samples from dress on chair in south bedroom
- Exhibit E-11 - Hair samples from yellow coat in closet of south bedroom
- Exhibit E-12 - Hair samples from pillow in south bedroom closet
- Exhibit E-13 - Hair samples from blue coat on hook in south bedroom
- Exhibit E-14 - Debris from anterior pelvic region of Kristen MacDonald
- Exhibit E-15 - Hair samples from blue dress on hook in north bedroom closet
- Exhibit E-16 - Fibers from underside of throw rug in east bedroom
- Exhibit E-19a - Debris from sheet on bed in east bedroom
- Exhibit E-20a - Debris from pillow case on bed in east bedroom
- Exhibit E-22 - Hairs under pillow on bed in east bedroom
- Exhibit E-24 - Debris from inside body outline of Collette MacDonald in east bedroom
- Exhibit E-32 - Debris from hallway near stairs
- Exhibit E-50 - Hair and debris from hall bathroom sink
- Exhibit E-116 - Debris from pulled back bedding of bed in south bedroom
- Exhibit E-117 - Debris from south pillow on bed in south bedroom
- Exhibit E-119 - Debris from bottom sheet of bed in south bedroom
- Exhibit E-120 - Debris from under pillow in south bedroom
- Exhibit E-123 - Hairs, fibers, and miscellaneous debris removed from purple bedspread in south bedroom
- Exhibit E-124 - Debris from quilt from bed in south bedroom
- Exhibit E-129 - Debris from mattress cover on bed in south bedroom
- Exhibit E-203 - Paint removed from sidewalk behind MacDonald house
- Exhibit E-205 - Fibers removed from Exhibit A.

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- Exhibit E-206 - Hairs and fibres from inside plastic bag containing Exhibit A
- Exhibit E-210 - Hair removed from pajama top of Captain MacDonald
- Exhibit E-211 - Debris from sheet on floor of east bedroom
- Exhibit E-221 - Hairs, fibers and miscellaneous debris removed from terry cloth robe
- Exhibit E-222 - Hair removed from pot holder
- Exhibit E-227 - Hairs, fibers and miscellaneous debris removed from green/blue/yellow throw rug in east bedroom
- Exhibit E-229 - Hairs, fibers and miscellaneous debris removed from multi-colored bedspread in east bedroom
- Exhibit E-299 - One pair of rubber gloves bearing white paint stains from secured storage shed at #544 Castle Dr., Ft Bragg, NC (20)
- Exhibit E-300 - Blue fibre on floor by east wall by head of bed in east bedroom (2a)
- Exhibit E-301 - Hairs and fibres from near left hand and arm of body in east bedroom (15)
- Exhibit E-302 - Fibres and portion of rug bearing red-brown stains from near north corner of foot board of bed in east bedroom (16)
- Exhibit E-303 - Fibres and debris and wood chips from trunk and leg area of rug under body in east bedroom (14)
- Exhibit E-304 - Sweat shirt bearing "known hairs" from Captain MacDonald from south closet of east bedroom
- Exhibit E-305 - Pill vial containing hair removed from head of CPT MacDonald
- Exhibit E-306 - Pill vial containing hair removed from left armpit of CPT MacDonald
- Exhibit E-307 - Pill vial containing hair removed from right armpit of CPT MacDonald
- Exhibit E-308 - Pill vial containing hair removed from left arm of CPT MacDonald
- Exhibit E-309 - Pill vial containing hair removed from right arm of CPT MacDonald
- Exhibit E-310 - Pill vial containing hair removed from right leg of CPT MacDonald
- Exhibit E-311 - Pill vial containing hair removed from left leg of CPT MacDonald
- Exhibit E-312 - Pill vial containing hair removed from chest area of CPT MacDonald
- Exhibit E-313 - Pill vial containing hair removed from pubic area of CPT MacDonald
- Exhibit E-314 - Known head hair from W.F. IVORY
- Exhibit E-315 - Known arm hair from W.F. IVORY
- Exhibit E-316 - Known head hair from R.P. ORR
- Exhibit E-317 - Known arm hair from R.P. ORR
- Exhibit E-318 - Known head hair from H.A. ROSSI
- Exhibit E-319 - Known arm hair from H.A. ROSSI
- Exhibit E-320 - 25 hairs removed from head of Miss Vicki N. KALIN
- Exhibit E-321 - Known hairs from Mrs. Alfred KASSAB (28 Feb 71)

*add E-322 Blue handled hair brush*  
*E-323 Clear handled hair brush*  
**EXHIBIT** <sup>11</sup>  
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- Exhibit E-51MBR - Different colored yarns from east bedroom
- Exhibit E-52NB - Hairs and fibres from bedspread on bed in north bedroom
- Exhibit E-56NB - Debris from bedspread on bed in north bedroom
- Exhibit E-57NB - Debris from pink blanket on bed in north bedroom
- Exhibit E-59NB - Debris from top sheet of bed in north bedroom
- Exhibit E-61NB - Debris from pillow on bed in north bedroom
- Exhibit E-63NB - Debris from bottom sheet on bed in north bedroom
- Exhibit F-1 - Urine sample from CPT MacDonald
- Exhibit F-2 - Blood sample from CPT MacDonald
- Exhibit F-60 - Yellow matter from north hall wall
- Exhibit F-115 - White spots on rug in south bedroom
- Exhibit F-257 - Vaginal scrapings from Collette MacDonald
- Exhibits G(1-8) - Eight (8) candles from premises of 544 Castle Drive, Ft Bragg, NC
- Exhibit G-9 - Beams Choice Bourbon bottle containing a yellow candle and bearing multi-colored wax on bottle
- Exhibit G-10 - Beams Choice Bourbon bottle containing a yellow candle
- Exhibit G-11 thru G-17 - Candles of assorted colors
- Exhibit G-131 - Portion of upholstery bearing wax from chair in south bedroom
- Exhibit G-201 - Wax from coffee table in living room
- Exhibit H-6 - Green and silver foil container containing one white tablet from chest in east bedroom
- Exhibit H-35NB - Yellow and white particles from northwest corner of throw rug in north bedroom
- Exhibit H-38NB - White chalk-like material from north bedroom
- Exhibit H-44NB - Small white particles from northeast corner of north bedroom bed
- Exhibit H-45NB - White powder from north east corner of north bedroom bed
- Exhibit H-46NB - White powder from northeast corner of north bedroom by radiator
- Exhibit H-47NB - White powder from near northeast corner of rug in north bedroom
- Exhibit H-54NB - Pink powder puff bearing white powder from southeast corner of north bedroom bed
- Exhibit H-73MBR - White powder from green chair in east bedroom
- Exhibit I-3 - Suspected portion of surgical glove bearing red-brown stains from bed in east bedroom
- Exhibit I-21 - Suspected portion of surgical glove bearing red-brown stains from bedding on floor in east bedroom
- Exhibit I-213 - Suspected portion of surgical glove bearing red-brown stains from east bedroom
- Exhibit I-226 - Suspect portion of surgical glove bearing red-brown stains from Collette MacDonald's body
- Exhibit J - Jewelry box, empty, multi-colored, bearing red-brown stains
- Exhibit K - Kleenex box, partially filled, "19¢" stamped on end, pink
- Exhibit L - "Esquire" magazine, dated March 1970, bearing red stain on edge
- Exhibit M - Cardboard box, empty, entitled: WONDERS OF ANIMAL KINGDOM
- Exhibit N - White rubber latent lift of latent prints on edge of screen door, NE entrance

EXHIBIT

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- Exhibit O - Cup, soup, brown with white design
- Exhibit P - Drinking glass, small w/stem
- Exhibit Q - Drinking glass, balloon type
- Exhibit R-1 - Drinking glass, 8oz
- Exhibit R-2 - Drinking glass, 8oz
- Exhibit S-1 - Saucer, coffee cup type
- Exhibit S-2 - Saucer, coffee cup type
- Exhibit T - Plate
- Exhibit U - Photographs of latent fingerprints, marked for identification by the examiner
- Exhibits V-1 thru V-71 - Submitted by Det B, 3d MP GP (CI) Ft Bragg, NC are record fingerprints and/or palm prints of possible subjects and other personnel involved in this case. A listing of these personnel is found in Case File Number 70-CID023-10198 of requesting agency.
- Exhibit W-1 - Photographs of lettering: PIG on headboard
- Exhibit W-2 - Notebook, blue, containing handwriting and handprinting, J. MacDonald
- Exhibit W-3 - Notebook, yellow, containing handwriting and handprinting, C. MacDonald
- Exhibit W-4 - DA Form 2694, pertaining to Jeffrey R. MacDonald, dtd 9-18-68
- Exhibit W-5 - Headboard, blond wood, bearing handprinting in suspected blood
- Exhibit X - Tag, orange paper, over-printed: GLOVES
- Exhibit Y-1 - Two locking devices removed from south entrance, #544 Castle Drive, Ft Bragg, NC
- Exhibit Y-2 - Two locking devices removed from northeast entrance, #544 Castle Drive, Ft Bragg, NC
- Exhibit Y-3 - Two locking devices removed from northwest entrance, #544 Castle Drive, Ft Bragg, NC

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Chemistry Division Findings

1. Examination of Exhibits E-5, E-19a, D-23, E-63NB, E-116, D-118, E-119, E-301 and E-303 revealed the presence of wood splinters identical in type, color, texture, and all other physical characteristics to the wood of Exhibit A.
2. It is the opinion of the examiner that the wood splinters present in the Exhibits listed in paragraph 1 could have originated from Exhibit A.
3. Examination of paint chips removed from Exhibit A found same to be grossly similar in color, texture, and chemical composition to the paint of Exhibits A-4, E-203 and E-299.
4. It is the opinion of the examiner that the paint of Exhibit A and the paint of Exhibit E-203 could have a common source of origin.
5. Examination of Exhibits A-1 and A-2 found them to be grossly similar in type, color, and size to the wood of Exhibit A. A study of the annual growth rings of Exhibit A showed that Exhibit A was not originally a part of Exhibits A-1 or A-2.
6. Examination of Exhibits A-3 and A-4 found same to be different in type and other physical characteristics to the wood of Exhibit A.
7. It is the opinion of the examiner, that the paint of Exhibit A-4 and the paint of Exhibits A, E-203 and E-299 could have had a common source of origin.
8. Examinations of the red-brown stains of Exhibits B-1, D-1, D-2, D-2R, D-5, D-7, D-15, D-17, D-18, D-18a, D-19, D-23, D-27, D-27R, D-28, D-30, D-51, D-136, D-141, D-147, D-159, D-209, D-215, D-227, D-229, D-231, D-232, D-254, D-258, D-259, D-260, D-263, D-264, D-266, D-271, D-272, D-273, D-274, D-275, D-276, D-277, D-69NB, D-70NB, D-207A, D-207C, E-301, E-302 and I-21 revealed the presence of human blood of the International Blood Group A.
9. Examinations of the red liquid of Exhibit D-25 revealed the presence of human blood of the International Blood Group Type A.
10. Examinations of the red-brown stains of Exhibits D-212, D-36NB, D-37NB, D-43NB, D-48NB, D-49NB, D-50NB, D-55NB, D-62NB, D-65NB and D-68NB revealed the presence of human blood of the International Blood Group Type O.

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EXHIBIT S-1

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11. Examinations of the red-brown stains of Exhibits D-10, D-36, D-40, D-43, D-45, D-114, D-156, D-25K, and D-26K revealed the presence of human blood of the International Blood Group Type B.
12. Examinations of the red-brown stains of Exhibits D-61, D-123, D-126, D-127, D-129, D-128, D-134, D-145, D-157, D-163, D-208, D-207B and D-220 revealed the presence of human blood of the International Blood Group Type AB.
13. Examinations of the red-brown stains of Exhibit D-210, revealed the presence of human blood of the International Blood Group Types A, B, and AB.
14. Examinations of the red-brown stains of Exhibits A, D-56NB, D-66NB, D-165, D-211 and D-214 revealed the presence of human blood of the International Blood Group Types A and AB on each Exhibit.
15. Examinations of the red-brown stains of Exhibit D-58NB revealed the presence of human blood of the International Blood Group Types O, A and AB.
16. Examinations of the red-brown stains of Exhibit D-64NB revealed the presence of human blood of the International Blood Group Types A and O.
17. Examinations of the red-brown stains of Exhibits I-3, D-4, D-13, D-20, D-26, D-29, D-74, D-130, D-132, D-137, D-140, D-151, D-152, D-158, D-256, D-71NB, D-72NB, B-2, D-267 and D-270 revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type A or Type O.
18. Examinations of the red-brown stains of Exhibits D-144 and D-153 revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type B or O.
19. Examinations of the red-brown stains of Exhibits D-33, D-108, D-238, D-53NB, E-57NB and E-63NB revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type O.
20. Examinations of the red-brown stains of Exhibit D-146 revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type AB.
21. Examinations of the red-brown stains of Exhibits D-8, D-31, D-49, D-216, D-255, D-261, D-265, D-278, I-226 and L revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type A or AB.

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EXHIBIT S-1

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22. Examination of the red-brown stains of Exhibit D-121 revealed the presence of human blood of the International Blood Group Type AB. Further examinations of other human blood stains indicated the International Blood Group Type O. Further examinations of other human blood stains indicated the presence of a mixture of the International Blood Group Types AB and A.
23. Examinations of the red-brown stains of Exhibits D-44, D-46, D-122 and D-251 revealed the presence of human blood. Further examinations indicated same to be of the International Blood Group Type AB or B.
24. Examinations of the red-brown stains of Exhibit D-228 revealed the presence of human blood of the International Blood Group Type AB. Further examinations of other human blood stains indicated the International Blood Group Type A.
25. Further blood typing examinations of the Exhibits cited in paragraphs 17 thru 24 were precluded due either to the paucity of the stain or the contamination of the stain.
26. Examinations of the red-brown stains of Exhibits D-14, D-34, D-35, D-56, D-58, D-59, D-64, D-72, D-73, D-95, D-104, D-106, D-107, D-109, D-118, D-148, D-149, D-150, D-154, D-155, D-161, D-19K, D-21K, D-23K, D-24K, D-33K(2), D-34K(3), D-217, D-225, C, D-250, D-268 and D-269 revealed the presence of human blood. Blood typing examinations were precluded due either to the paucity of the stain or the contamination of the stain.
27. Examinations of the red-brown stains of Exhibits D-12, D-55, D-62, D-63, D-66, D-67, D-69, D-71, D-221, D-222, D-223, D-224, D-230, D-233, D-234, D-235, D-236, D-237, D-239, D-5K, D-22K, D-27K, D-29K, D-33K(1), D-34K(1), D-1a, D-9, D-10a, D-11, D-14a, D-29b, D-29c, D-30b, D-37, D-41, D-65, D-68, D-133, D-135, D-138, I-213, D-240, D-244, D-248 and D-262 indicated the presence of blood. Further examinations were precluded due to the paucity of the stain.
28. Examinations of Exhibits D-52, D-53, D-57, D-70, D-75 thru D-85, D-88, D-89, D-90, D-92, D-93, D-94, D-98, D-110, D-111, D-112, D-113, D-124, D-125, D-139, D-142, D-143, D-218, D-219, D-1K, D-2K, D-3K, D-4K, D-6K thru D-18K, D-20K, D-28K, D-34K(2), D-40NB, D-42NB, D-241, D-242, D-243, D-245, D-246, D-247, D-249, D-252 and D-253 did not reveal the presence of any blood stains.
29. Gross macroscopic examinations of Exhibits D-48 and D-54 indicated the presence of blood. No further examinations were conducted.
30. Examinations of Exhibit D-19 and the panties and pajama bottom of Exhibit D-212 revealed the presence of urine stains.

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31. Examinations of Exhibits D-19 and F-257 did not reveal the presence of any semen or semen stains.
32. Examinations of Exhibits F-1 and F-2 did not reveal the presence of any dangerous drugs or narcotics. Further examinations of Exhibit F-2 by the USAH at Fort Gordon, GA showed same to contain 0.150 mg/ml of ethyl alcohol - this generally means that the subject was not under the influence of alcohol.
33. Examination of Exhibits D-23, D-123, D-221, D-229, D-237, E-3, E-6, E-16, E-19a, E-20a, E-24, E-32, E-52NB, E-116, D-118, E-119, E-205, E-300, E-301, E-302 and E-303 revealed the presence of fibers identical in type, color, denier, twist, and all other physical characteristics to the fibers of the pajama jacket, Exhibit D-210.
34. It is the opinion of the examiner that the fibers present in the Exhibits of paragraph 33 could have originated from Exhibit D-210.
35. Examination of Exhibits D-209, D-227, D-229, E-3, E-5, E-7, E-19a, E-20a, E-22, E-50, E-63NB, E-210 and E-302 revealed the presence of human head hairs, grossly similar in all physical characteristics to the head hair of Collette MacDonald.
36. It is the opinion of the examiner that one or more of the human head hairs present in the Exhibits of paragraph 35 could have originated from the head of Collette MacDonald.
37. Examination of Exhibits D-221, D-227, D-229, E-10, E-11, E-13, E-50, E-116, and E-120 revealed the presence of human head hairs, grossly similar in all physical characteristics to the head hair of Kimberly MacDonald.
38. It is the opinion of the examiner that one or more of the human head hairs present in the Exhibits of paragraph 37 could have originated from the head of Kimberly MacDonald.
39. Examination of Exhibits D-48NB, D-123, E-8, E-9, E-12, E-15, E-56NB, E-57NB and E-61NB revealed the presence of human hairs grossly similar in all physical characteristics to the head hair of Kristen MacDonald.
40. It is the opinion of the examiner that one or more of the human head hairs present in the Exhibits of paragraph 39 could have originated from the head of Kristen MacDonald.

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EXHIBIT S-1

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41. Examinations of the red-brown stains of Exhibit D-67NB revealed the presence of human blood. In the opinion of the examiner it is a mixture of the International Blood Group Types A and O.
42. Examinations of the red-brown stains of Exhibit D-60NB revealed the presence of human blood of the International Blood Group Type A. Further examinations of other human blood stains revealed the presence of a mixture of human blood which, in the opinion of the examiner, is of the International Blood Group Types A and O.
43. Examinations of the red-brown stains of Exhibit D-41NB revealed the presence of human blood of the International Blood Group Type O. Further examinations of other human blood stains indicated the presence of the International Blood Group Type A or Type O.
44. Further blood typing examinations of the Exhibits cited in paragraphs 18, 22, 24 and 43 were precluded due to the paucity of the stains.
45. Examination of several hairs removed from Exhibit E-304 identified same as animal hair (horse). Human head hair was not present on this Exhibit.
46. Examination of Exhibits D-245, H-35NB, H-38NB, H-44NB, H-45NB, H-46NB, H-47NB, H-54NB and H-73MBR did not reveal the presence of sufficient powder residues for chemical comparison.
47. Visual examination of the white tablet contained in Exhibit H-6 identified same as Kolantyl Wafer. Kolantyl is used as a peptic ulcer medication and for upset stomachs.
48. Exhibits D-2a, D-4a, D-9a, D-29a, D-30a, D-38, D-39, D-42, D-47, D-30K, D-31K and D-32K were not subjected to blood typing studies since same were collected for use as control samples.
49. Appropriate examinations of Exhibits E-1, E-2, E-14, E-15, E-22, E-117, E-124, E-129, E-206, E-211, E-51 MBR, E-59 NB, F-60 and F-115 were performed. These examinations did not reveal any data of significance or relevance.
50. Examination of the known hair from Exhibits E-314 through E-319 found same to have different physical characteristics to the hair of Exhibits E-4 and E-5.
51. It is the opinion of the examiner that the hair from Exhibits E-314 through E-319 and the unknown hair of Exhibits E-4 and E-5 did not have a common source of origin.

C-5

EXHIBIT /S-1

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52. Examination of Exhibit E-12 revealed the presence of a short human head hair that was grossly similar in all physical characteristics to the known head hair of Exhibit E-305.

53. It is the opinion of the examiner that the hair of Exhibit E-12 and that of Exhibit E-305 could have originated from a common source.

54. Exhibits E-19a and E-116 contained human body or pubic hair that was grossly similar in all physical characteristics to the known hair of Exhibit E-313.

55. It is the opinion of the examiner that the hair of Exhibits E-19a and E-116 could have had a common source of origin with the known hair of Exhibit E-313.

56. Examination of Exhibits E-50, E-52NB, E-57NB, E-123, E-221, E-222, E-227 and E-229 did not reveal the presence of any hair grossly similar to the known hairs of Exhibits E-305 through E-313.

57. Comparative examinations of the hairs from Exhibits E-4 and E-5 revealed the same to be dissimilar to the hairs from Exhibits E-305 through E-313.

- a. Therefore it is the opinion of the examiners that the hairs of Exhibits E-4 and E-5 probably did not originate from the same point sources as the hairs of Exhibits E-305 through E-313.
- b. However, it must be pointed out that the requested opinion regarding positively eliminating the subject as a possible source of the hair cannot be given without first examining numerous other point sources of body hair from the subject.

58. Comparison of wax removed from Exhibits D-123, G-131 and G-201 with the candle wax from Exhibits G(1-10) showed same to be different in chemical composition.

59. It is the opinion of the examiner that the wax present in Exhibits D-123, G-131 and G201 did not originate from the candles G(1-10).

NOTE: The following findings were forwarded from this laboratory to the requesting agency as an addendum to the basic report.

60. The gloves of Exhibit D-245 are surgical gloves. These were received in a sealed package and the gloves were intact.

G-6

EXHIBIT

S-1

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61. No examinations were performed to see if the pieces of surgical gloves were of the same type as the gloves of Exhibit D-245.

The following are approximate sizes of the pieces of surgeon's gloves:

- Exhibit I-3 - Size of a dime
- Exhibit I-21- Three fourth's of one finger
- Exhibit I-213 - Size of a quarter
- Exhibit I-226 - Size of a dime

62. Exhibit L ("Esquire" with red stain on edge): The blood stain appeared to have been made by a person's finger due to it's shape. However, it cannot be positively stated that it was made by a person's finger since definite ridge pattern formation was precluded by the separations of the individual pages. (Reference our Laboratory Report No. P-FA-D-C-FP-RL5, dated 2 September 1970.)

- a. Exhibit E-1 contained particles of nut meats and hulls, small slivers of a pink and silver Christmas tree ornament and dust. No bloodstains were present.
- b. Exhibit E-3 contained matted yellow paper fibers, particles of nut meats, small round dots of colored paper material and dust. No bloodstains were present.
- c. Exhibit E-14 contained a small piece of dry vegetable matter, similar to grass or hay. No bloodstains were present.
- d. Exhibit E-117 contained two (2) animal hairs.
- e. Exhibit E-124 contained one (1) animal hair and several fibers from the purple green and pink quilt in the south bedroom. No blood stains were present.
- f. Exhibit E-129 contained several small pieces of dry vegetable matter similar to grass or hay. No bloodstains were present.
- g. Exhibit E-206 contained several blue, green and yellow single strand nylon fibers grossly similar to the fibers of the rug, Exhibit D-227.
- h. Exhibit E-211 contained several pink nylon fibers and one (1) animal hair.

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EXHIBIT [S-1

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- i. Exhibit E-51 MBR contained multi-colored yarns similar to the type used in crocheting. No bloodstains were present.
  - j. Exhibit E-59NB contained several small pieces of dry vegetable matter, similar to grass or hay and one (1) animal hair.
  - k. Examination of Exhibits F-60 and F-115 showed same to be a small amount of hard yellow and white substance. No chemical tests were conducted on this substance.
63. The term, "red crusts" of Exhibit D-256 referred to suspected dried blood. These were not analyzed for anything other than blood type as indicated in paragraph 9 of the Preliminary Report.
64. The gloves of Exhibits D-33K and D-34K are not surgical gloves, therefore not identifiable with the suspected pieces of surgical gloves of Exhibits I-3, I-21, I-213 and I-226.

C-8

EXHIBIT /S-1

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Fingerprint Division Findings

1. Examination of Exhibits A thru C, I, K, M, N, and X did not reveal any comparable latent prints.
2. Examination of Exhibits L-1 thru L-10 revealed numerous latent prints on pages 99 thru 104, 109 thru 116, an advertisement page and back magazine cover.
3. Examination of Exhibit J revealed one latent fingerprint and one latent palm print suitable for identification.
4. Examination of Exhibits R-1 and R-2 revealed three latent fingerprints on Exhibit R-1 and one latent print on Exhibit R-2 that are suitable for identification.
5. Examination of Exhibits S-1 and S-2 revealed one latent fingerprint on each Exhibit that are suitable for identification.
6. Examination of Exhibit T revealed one latent fingerprint suitable for identification.
7. Examination of Exhibits U-1 thru U-7, photographs of latent finger and palm prints, revealed:
  - a. Exhibit U-1 - One latent print.
  - b. Exhibit U-2 - Three latent fingerprints and three latent palm prints.
  - c. Exhibit U-3 - Thirteen latent fingerprints and eleven latent palm prints.
  - d. Exhibit U-4 - Three latent fingerprints and three latent palm prints.
  - e. Exhibit U-5 - Twelve latent fingerprints and seven latent palm prints.
  - f. Exhibit U-6 - Four latent fingerprints and four latent palm prints.
  - g. Exhibit U-7 - One latent fingerprint.
8. Examination of Exhibit W-5, headboard and footboard, revealed one partial latent palm print on the footboard.
9. Examination of the foot impression on the floor of the north bedroom revealed:
  - a. That it was not made by the person whose record footprint is designated Exhibit V-2 (Collette MacDonald).
  - b. That it was not made by the person whose record footprint is designated Exhibit V-3 (Ronald Harrison).

FP-1

EXHIBIT S-1

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10. Comparison of the latent prints developed on Exhibits previously identified, with the record prints submitted revealed:

- a. Exhibits P thru T - No matching impressions.
- b. Exhibit U-1 - The latent footprint was made by Mrs. C. MacDONALD's left foot.
- c. Exhibit U-2 - One latent fingerprint was made by Mrs. C. MacDONALD.  
One latent palm print was made by Cpt. J. MacDONALD.
- d. Exhibit U-3 - Eight latent fingerprints were made by Mrs. C. MacDONALD.  
Two latent palm prints were made by Mrs. C. MacDONALD and  
one latent palm print was made by Cpt. J. MacDONALD.
- e. Exhibit U-4 - Two latent fingerprints were made by Mrs. C. MacDONALD.  
One latent palm print was made by Cpt. J. MacDONALD.
- f. Exhibit U-5 - Seven latent fingerprints were made by Cpt. J. MacDONALD.  
and two latent fingerprints were made by Mrs. C. MacDONALD.
- g. Exhibit U-6 - One latent fingerprint was made by an investigator.

11. The remaining latent prints were not identified. However, due to lack of complete clarity in some areas of the record finger and palm prints of Cpt. and Mrs. MacDONALD, a complete elimination/identification could not be made.

12. The foot impression, appearing on Exhibit D-215, matches in general shape, outline, and size the record footprint of Cpt. J. MacDONALD. However, due to absence of individual ridge characteristics in the photographs taken of this Exhibit, a positive identification could not be made by the examiner.

13. Exhibits V-10 through V-71 submitted by Det B, 3rd MP GP (CI), Fort Bragg, N. C. are record fingerprints and/or palm prints of possible subjects and other personnel involved in this case. A listing of these personnel is found in Case File Number 70-CID023-10198 of requesting agency.

14. Comparison of Exhibits V-10 through V-71 (record fingerprints and/or palm prints) with the unidentified latent finger and/or palm prints developed in this case, did not reveal any matching impressions.

15. Comparison of the identifiable latent prints developed on Exhibit L, (Esquire magazine) with the record prints Exhibits V-1 and V-2 revealed the following:

- |                                  |  |
|----------------------------------|--|
| Exhibit L-1 (advertisement page) | - was made by the left ring finger of<br>Captain MacDONALD.  |
| Exhibit L-4 (page 99)            | - was not identified.  |
| Exhibit L-9 (page 101)           | - was made by the left index finger of<br>Captain MacDONALD. |

FP-2

EXHIBIT

S-1

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Exhibit L-11 (page 102)	- was made by the left thumb of Captain MacDONALD.
Exhibit L-13 (page 104)	- was made by the left middle finger of Captain MacDONALD.
Exhibit L-15 (page 109)	- was made by the right thumb of Captain MacDONALD.
Exhibit L-19 (page 114)	- was made by the right thumb of Mrs. MacDONALD.
Exhibit L-20 (page 114)	- is a partial latent palm print co-ordinated w/right thumb of Mrs. MacDONALD identified as Exhibit L-19.
Exhibit L-23 (page 116)	- was made by the right thumb of Mrs. MacDONALD.
Exhibit L-24 (page 116)	- was not identified.
Exhibit L-25 (page 116)	- was not identified.
Exhibit L-26 (back cover page)	- was not identified.

EXAMINER'S NOTE: Regarding the red stain on the edge of the Esquire magazine, Exhibit L, attention is directed to paragraph 22 of the chemistry annex of this report in which it is reported that the red stain is in fact blood and is of the International Blood Group Type A or AB.

During the crime scene process, this magazine was found in one of the two stacks which contained books, magazines and a cardboard box which was under the edge of the coffee table located in the living room in front of the sofa.

The bloodstain appeared to have been made by a person's finger due to its shape. However, it cannot be positively stated that it was made by a person's finger since definite ridge pattern formation was precluded by the separations of the individual pages.

FP-3

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RECAP (Fingerprints)

The following number of latent prints developed in this case belong to CPT MacDONALD:

- Nineteen (19) latent fingerprints.
- Four (4) latent palm prints.
- Twenty-three (23) total prints.

The following number of latent prints developed in this case belong to Mrs. MacDONALD:

- ~~Sixteen (16) latent fingerprints.~~
- Three (3) latent palm prints.
- \*One (1) latent footprint (on coffee table; originally carried as finger & palm print).
- Nineteen (19) total prints excluding footprint.
- One (1) footprint

The following number of latent prints developed in this case have not been identified:

- Sixteen (16) latent fingerprints
- Seventeen (17) latent palm prints
- OR
- Fifteen (15) latent fingerprints
- Eighteen (18) latent palm prints

(One latent impression can be either from a finger or from a portion of a palm).

NOTE: Three (3) of the latent prints developed in this case were made (identified) by investigators.

Total latent prints developed in this case: 87  
 Total latent prints identified in this case: 47\*  
 Total latent prints not identified to date: 33  
 Total latent prints "lost" in this case: 7

**SEARCHED** /S-1

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Document Division Findings

Examination and comparison of the questioned handprinting appearing on Exhibit W-5 with the exemplars, Exhibits W-2 thru W-4 resulted in the following conclusions:

a. The questioned handprinting appearing on Exhibit W-5 was very probably executed by a right handed person utilizing the index and middle fingers of the right hand.

b. The writers of the exemplars, Exhibits W-2 thru W-4 could neither be eliminated nor identified as having executed the questioned handprinting appearing on Exhibit W-5.

Firearms Division Findings

Disassembly and examination of the components and locking devices submitted in Exhibits Y-1, Y-2, Y-3 revealed no markings or other indications of having been forced or opened by any instrument other than a normal house key.

D-FA-1

S-1

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