

7-1 (Rev. 4-26-78)

**REPORT
of the**



**FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535**

March 14, 1979

To: Assistant Attorney General
Organized Crime and Racketeering
Section
Criminal Division
Attention: Brian M. Murtagh, Esq.

FBI FILE NO. 70-51728

LAB. NO. 90103084 S RR IZ

Re: United States v. Jeffrey R.
MacDonald; CGR-MURDER

YOUR NO. BMM/jmb
90-1-7-54

Examination requested by: Addressee

Reference: Letter dated December 14, 1978

Examination requested: Microscopic Analyses - Miscellaneous

Specimens retained in, but not previously examined by,
the FBI Laboratory:

- Q124 Debris from pillow of bed in north bedroom (E-61NB)
- Q125 Debris from sheet on floor of master bedroom
(E-211)
- Q126 Green yarn from floor (D-36NB)
- Q127 Piece of wood, 11 7/16" long, found in
closet (A-1)
- Q128 Fibers from COLETTE'S left hand, mounted on
glass microscope slide (E-5,#13)

2 - FBI, Charlotte

- Q129 Piece of wood, 2" x 4" x 54 1/2", from bed in south bedroom (A-12)
- K28 Six pieces of yarn, each a different color, from bedside table (51 MBR)
- K29 Pink powder puff found on bed (D-54NB)
- K30 Multicolored throw rug from master bedroom (D-227)
- K31 Blue doll found on floor (D-41NB)
- K32 Green throw rug (D-37NB)
- K33 Portion of rug from master bedroom (D-207)
- K34 Doll's yellow and red shirt found on floor (D-42NB)
- K35 Stuffed dog found on floor (D-43NB)
- K36 Dark blue long-sleeved pullover from chair in master bedroom
- K37 Dark blue slacks
- K38 Rag doll (#139)
- K39 Knitted collar (#128)
- K40 Multicolored afghan from couch in living room
- K41 Pink toilet seat cover from bathroom adjacent to north bedroom (Item #20, CSC #55)
- K42 Girl's blue coat from hook on north wall of south bedroom (D-219)
- K43 Piece of wood, 7 15/16" long, found in storage shed (A-2)

Result of examination:

For specimens retained in and previously examined by the FBI Laboratory, see FBI Laboratory report dated July 2, 1971, to the Department of the Army (copy furnished FBI, Charlotte) and FBI Laboratory reports dated October 17, 1974, November 5, 1974, and September 19, 1975, to the FBI, Charlotte (copies furnished Department of the Army).

Specimen Q126 consists of a green acrylic yarn approximately 3/8" in diameter. It is similar to one of the yarns present in specimen K28 and, accordingly, could have had a common origin.

The K30 rug is composed of rayon fibers in shades of green, brown and blue. Rayon fibers microscopically similar to those included in the composition of K30 and which could have originated from K30 were found in specimens Q88, Q89, Q92, Q105 and Q128.

The K32 rug is composed of rayon fibers in various shades of green and tan. Rayon fibers microscopically similar to those included in the composition of specimen K32 were found in specimens Q80 and Q83.

Off-white woolen fibers microscopically similar to those composing the K33 rug were found in specimens Q81 and Q83. Woolen fibers exhibiting microscopic similarities to specimens K40 and/or K42 were found in specimen Q82.

Red cotton fibers of limited comparison significance were present in specimens Q80 and Q83. Those fibers exhibit similarities to the red cotton fibers included in specimens Q4, Q5 and/or K34.

Green cotton fibers similar to those composing specimen Q111 were found in Q80. Beige-pink acrylic and rayon fibers similar to those included in the composition of Q112 were found in Q87.

No other fibers of apparent comparison significance could be associated with the items specifically requested in the referenced letter.

No animal hairs which could be associated with horse or cat were found.

Specimen Q127 is a piece of Douglas fir wood which measures $1\frac{1}{2}$ " x $1\frac{3}{4}$ " x $11\frac{7}{16}$ ". Specimen K43 is a piece of Douglas fir wood which measures $1\frac{1}{2}$ " x $1\frac{3}{4}$ " x $7\frac{15}{16}$ ". Specimens Q127 and K43 fit together end-to-end and were originally adjoining portions of the same piece of wood.

Specimen Q122 includes a splinter of pine wood which measures $1\frac{9}{16}$ " in length. The Q122 splinter is the same kind of wood as specimen Q14 but could not be fitted into a specific area of Q14. This does not preclude the possibility that the Q122 splinter originated from Q14.

Specimen Q129 is a pine "2 x 4" which measures $54\frac{1}{2}$ " in length. Specimens Q129 and Q14 fit together end-to-end and were originally adjoining portions of the same piece of wood.

The specimens are being retained in the FBI Laboratory until called for by your representative.