

REPORT
of theFEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 205351 - Mr. [REDACTED]
b7cSSE
CLASS
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June 17, 1988

Chief of Police
New Canaan, Connecticut 06840Attention: Sergeant [REDACTED]
b7c

FBI FILE NO. 95-282865

Youth Bureau

LAB. NO. 80426031 D LL XX VF

Re:

YOUR NO.

UNKNOWN SUSPECT;

VICTIM;

THREATENING MAIL

Ozodine Kille

Examination requested by:

Addressee

Reference:

Letter dated April 21, 1988

Examination requested:

Document - Fingerprint - Cryptanalysis

Specimens:

- Q1 Envelope partially postmarked "STAMP P. 24
bearing the hand printed address [REDACTED]
[REDACTED] New Canaan Conn. 06840"
- Q2 Accompanying two page letter (front and back)
beginning "Dear [REDACTED] This is ..."
- Q3 Envelope postmarked "STAMFORD, CT 069 81 PM
13 APR 1988" bearing the hand printed
address [REDACTED]
New Canaan, CT 06840"
- Q4 Accompanying page one of a six page letter
(front and back) beginning "Dear [REDACTED] This
is ..."

- 1 - Behavioral Science Investigative Support Unit
(FBI Academy, TL #152)
1 - Bufile (9-49911)

NOT RECORDED

JUN 27 1988

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This examination has been made with the understanding that the evidence is connected with an official investigation of a criminal matter and that the Laboratory report will be used for official purposes only, related to the investigation or a subsequent criminal prosecution. Authorization cannot be granted for the use of the Laboratory report in connection with a civil proceeding.

LMS:rlc#70 (6)

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DUPLICATE YELLOW

ORIGINAL FILED IN

Q5 Page three beginning "eat pepper-mint and ..."

Q6 Page five beginning "you the other ..."

Result of examination:

Document

The original "Zodiac" case involves numerous letters and cryptograms related to murders in the Sacramento - San Francisco area in the late 1960's and early 1970's. The "Zodiac" case has not been solved to date.

The Q1 through Q6 material resembles the type of letters and cryptograms involved in the "Zodiac" case.

No indented writing was observed on Q1 through Q6. No watermarks were observed on Q1.

The brand "Conqueror" appears on Q3. This appears to be a brand of the Sloan Paper Co., Doraville, Georgia.

Q2 and Q4 through Q6 bear watermarks of Sheaffer Eaton, Pittsfield, Massachusetts.

Cryptanalysis

Specimens Q2 and Q6 contain substitution system with variants. In such a cryptosystem, each letter of the alphabet is replaced by one or more symbols to make the message unreadable. The letters which occur more frequently in the English language have more than one ciphertext equivalent.

The substitution system is as follows:

<u>Plaintext:</u>	A	B	C	D	E	F	G	H	I	J	K	L	M
<u>Ciphertext:</u>	Q	v	7	7	z	J	K	M	Δ	/	☐	○	
	S			⊕	q	Q	⊖	X			☐		
	J				E			P			B		
					⊙			u			■		
					+								
					w								
					N								

Plaintext:	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Ciphertext:	○	Ⅰ	λ		⊥	F	H	Y	⊃	A		□	
	Λ	⊕			Я	□	Ⅰ						
	D	T			∨	▲	●						
	Φ	X				K	L						
							Δ						

The cryptographic equivalents used in specimens Q2 and Q6 are the same as those used in the original "Zodiac" cipher; both the original ciphertext and its decryption have been published. However, the following differences should be noted between the cryptograms in the submitted specimens and the cryptograms authored by "Zodiac:"

- (1) The longer "Zodiac" ciphers were inscribed into a rectangle. The end of the first ("solved") cryptogram, when deciphered, was unintelligible; the author apparently used the cipher symbols to complete the rectangle. Since the second cipher remains unsolved, it is not known whether any nulls are used to complete the rectangle. The cryptogram in specimen Q2 does not follow the same pattern of inscribing the message into a complete rectangle (i.e., the last line of the cryptogram contains only 3 symbols).
- (2) The "Zodiac" cryptograms contained 17 symbols per row. The cryptogram in specimens Q2 and Q6 contain 13 symbols per row.

The decryptions of specimens Q2 and Q6 follow. Garbled portions of the plaintext have been corrected; these corrections are underlined>.

Specimen Q2

██████████ MUST DIE FOR HER FIFTY MEGAHERTZ SCREECH
AND HER FLIRTATIOUSNESS SHE IS SO IMPOSSIBLY
SHALLOW AND STUCK UP

Specimen Q6

██████████ IF YOU WISH TO KNOW MY IDENTITY YOU WILL
HAVE TO PUT SOME EFFORT INTO IT NOT FIDDLE AND
FART AROUND HERE IS A CLUE AS MISSUS ██████████ IF
SHE REMEMBERS WHO DRAWS THE SYMBOL THEN YOU WILL
HAVE ME GOOD LUCK

Disposition of the Evidence

The disposition of Q1 through Q6 will be furnished with the fingerprint report. The results of the linguistics examination will be furnished separately. Representative photographs of Q1 through Q6 are retained.