CRYPTANALYSIS WITH OSINT

LXUQIBX CC NWX VWMIXAM MWTLY

Cryptanalysis methods

01
Ciphertext-based attack

02
Attack based on selected plaintexts and corresponding ciphertexts

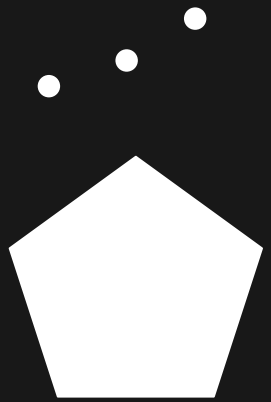
03
Attack based on matched plaintext (ciphertext option)

04
Attack based on adaptively selected plaintext

05
Attack based on selected ciphertext

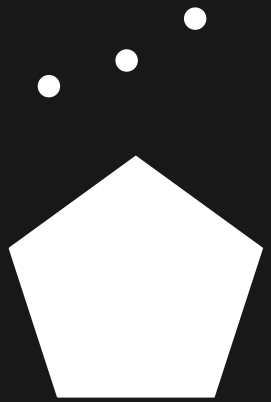
06
Attack based on selected key

Cryptanalysis with brute force



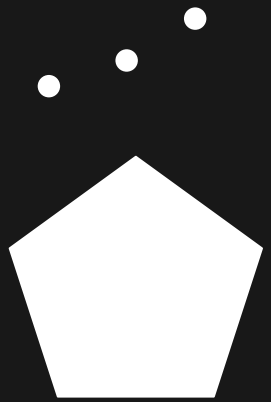
01

CIPHERTEXT-ONLY ATTACK



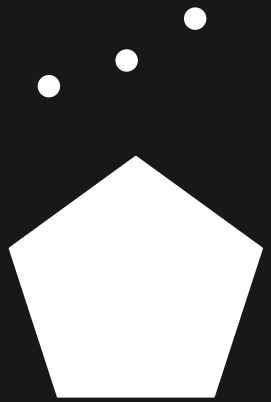
02

KNOWN-PLAINTEXT ATTACK



03

CHOSEN-PLAINTEXT ATTACK

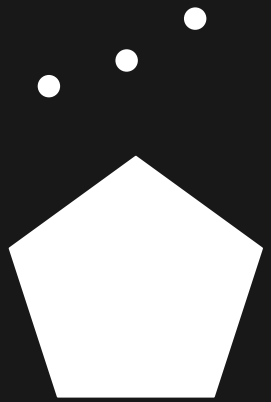


04

BASED ON ADAPTIVELY SELECTED PLAINTEXT

05

CHOSEN-CIPHERTEXT ATTACK

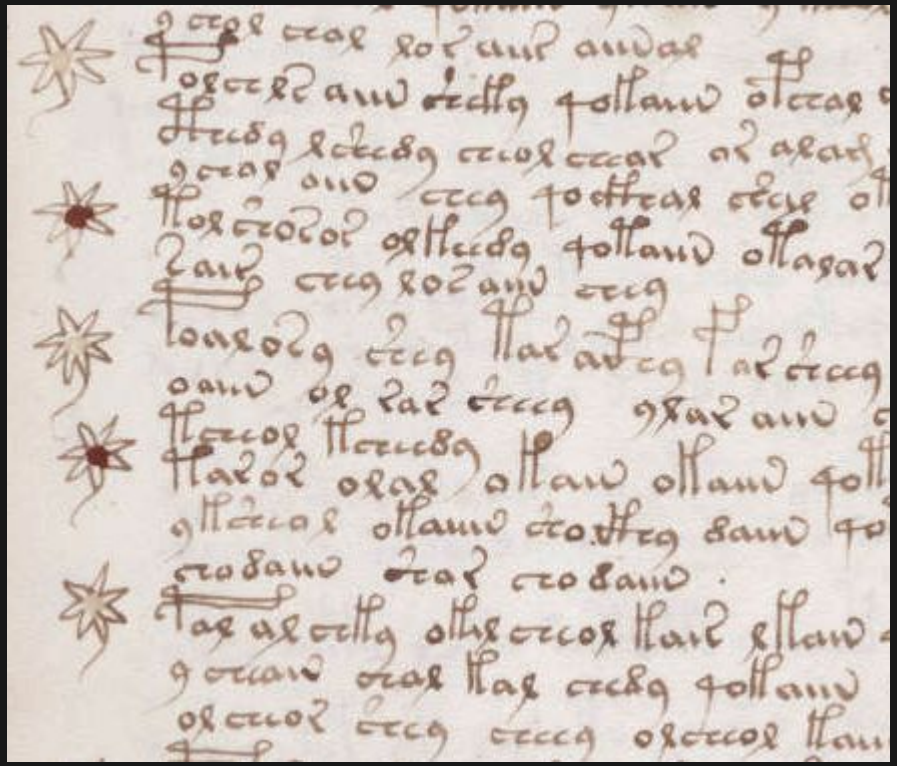


06

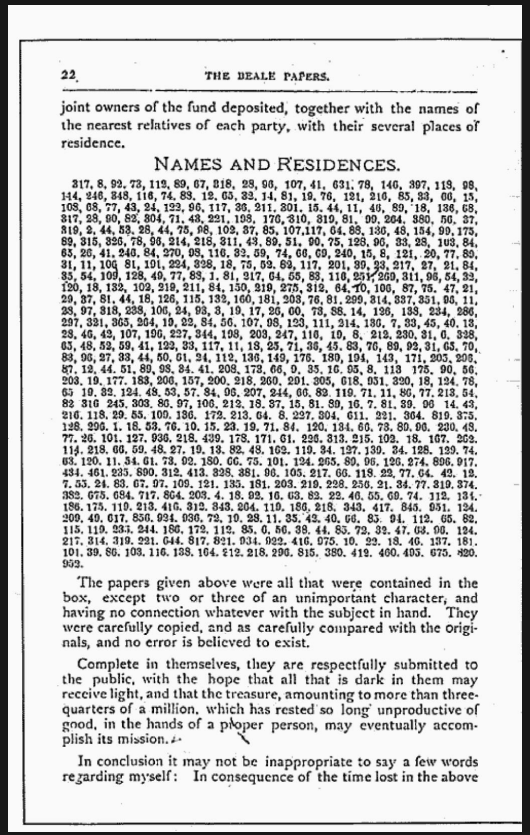
CHOSEN-KEY ATTACK

Unsolved Ciphers

VOYNICH MANUSCRIPT



BEALE CIPHERS



22 THE BEALE PAPERS.

joint owners of the fund deposited, together with the names of the nearest relatives of each party, with their several places of residence.

NAMES AND RESIDENCES.

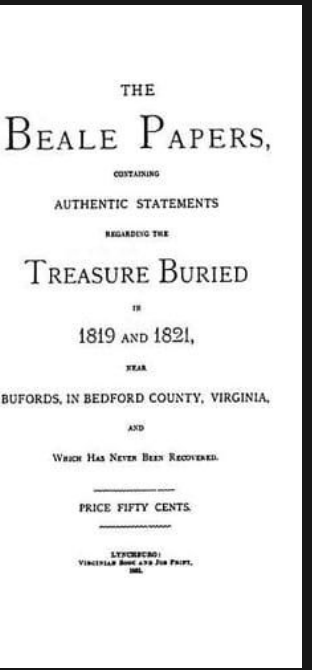
317. 8. 92. 73. 112. 89. 67. 318. 28. 96. 107. 41. 631. 78. 146. 397. 118. 98. 114. 48. 116. 74. 88. 12. 65. 32. 14. 81. 19. 76. 121. 216. 85. 33. 66. 15. 108. 68. 24. 122. 96. 117. 36. 211. 301. 15. 44. 11. 46. 89. 18. 136. 68. 317. 28. 90. 82. 304. 71. 43. 221. 198. 176. 310. 319. 81. 99. 264. 380. 56. 37. 319. 2. 44. 53. 28. 44. 75. 98. 102. 37. 85. 107,117. 64. 88. 136. 48. 154. 99. 175. 89. 315. 326. 78. 95. 214. 218. 311. 43. 89. 51. 90. 75. 128. 96. 33. 28. 103. 84. 65. 26. 41. 246. 84. 270. 98. 116. 32. 59. 74. 66. 69. 240. 15. 8. 121. 20. 77. 89. 31. 11. 106. 81. 191. 224. 328. 18. 75. 52. 82. 117. 201. 39. 23. 217. 27. 21. 84. 35. 54. 109. 128. 49. 77. 88. 1. 81. 217. 64. 55. 83. 116. 251. 269. 311. 96. 54. 32. 120. 18. 132. 102. 219. 211. 84. 150. 219. 275. 312. 64. 10. 106. 87. 75. 47. 21. 29. 37. 81. 44. 18. 126. 115. 132. 160. 181. 203. 76. 81. 299. 314. 337. 351. 96. 11. 28. 97. 318. 238. 106. 24. 93. 3. 19. 17. 26. 60. 73. 88. 14. 126. 138. 234. 286. 297. 321. 365. 264. 84. 56. 107. 98. 123. 111. 214. 136. 7. 33. 45. 40. 13. 28. 46. 42. 107. 196. 44. 198. 203. 247. 116. 19. 8. 212. 230. 31. 6. 328. 65. 48. 52. 59. 41. 122. 33. 117. 11. 18. 25. 71. 36. 45. 83. 76. 89. 92. 31. 65. 70. 83. 96. 27. 33. 44. 50. 61. 24. 112. 136. 149. 176. 180. 194. 143. 171. 205. 296. 87. 12. 44. 51. 89. 98. 34. 41. 208. 173. 66. 9. 35. 16. 95. 8. 113. 175. 90. 56. 203. 19. 177. 183. 206. 157. 200. 218. 260. 291. 305. 618. 951. 320. 18. 124. 78. 65. 19. 32. 124. 48. 53. 57. 84. 96. 207. 244. 66. 82. 119. 71. 11. 86. 77. 213. 54. 82. 316. 245. 303. 86. 97. 106. 212. 18. 37. 15. 81. 89. 16. 7. 81. 39. 96. 14. 43. 216. 118. 29. 55. 100. 136. 172. 213. 64. 8. 227. 304. 611. 221. 364. 819. 375. 128. 296. 1. 18. 53. 76. 10. 15. 23. 19. 71. 84. 120. 134. 66. 73. 89. 96. 230. 48. 77. 26. 101. 127. 936. 218. 439. 178. 171. 61. 236. 313. 215. 102. 18. 167. 262. 114. 218. 66. 59. 48. 27. 19. 13. 82. 48. 162. 119. 34. 127. 139. 34. 128. 129. 74. 63. 120. 11. 54. 61. 73. 92. 180. 66. 75. 101. 124. 265. 89. 96. 126. 274. 896. 917. 434. 461. 235. 890. 312. 413. 328. 381. 96. 105. 217. 66. 118. 22. 77. 64. 42. 12. 7. 55. 24. 83. 67. 97. 109. 121. 135. 181. 203. 219. 228. 256. 21. 34. 77. 319. 374. 382. 675. 684. 717. 864. 203. 4. 18. 92. 16. 63. 82. 22. 40. 55. 69. 74. 112. 134. 186. 175. 119. 213. 416. 312. 343. 264. 119. 186. 218. 343. 417. 845. 951. 124. 209. 49. 617. 856. 924. 936. 72. 19. 28. 11. 35. 42. 40. 66. 83. 94. 112. 65. 82. 115. 119. 236. 244. 186. 172. 112. 85. 6. 56. 38. 44. 85. 72. 32. 47. 63. 96. 124. 217. 314. 319. 221. 644. 817. 821. 934. 922. 416. 975. 10. 22. 18. 46. 137. 181. 101. 39. 86. 103. 116. 138. 164. 212. 218. 296. 815. 380. 412. 460. 495. 675. 820. 952.

The papers given above were all that were contained in the box, except two or three of an unimportant character, and having no connection whatever with the subject in hand. They were carefully copied, and as carefully compared with the originals, and no error is believed to exist.

Complete in themselves, they are respectfully submitted to the public, with the hope that all that is dark in them may receive light, and that the treasure, amounting to more than three-quarters of a million, which has rested so long unproductive of good, in the hands of a proper person, may eventually accomplish its mission.

In conclusion it may not be inappropriate to say a few words regarding myself: In consequence of the time lost in the above

92, 73, 112, 89, 67, 318, 28, 96, 107, 41, 631, 78, 146, 397, 118, 98, 114, 48, 116, 74, 88, 12, 65, 32, 14, 81, 19, 76, 121, 216, 85, 33, 66, 15, 108, 68, 24, 122, 96, 117, 36, 211, 301, 15, 44, 11, 46, 89, 18, 136, 68, 317, 28, 90, 4, 71, 43, 221, 198, 176, 310, 319, 81, 99, 264, 380, 56, 37, 319, 2, 44, 53, 75, 98, 102, 37, 85, 107, 117, 64, 88, 136, 48, 154, 99, 175, 89, 315, 326, 214, 218, 311, 43, 89, 51, 90, 75, 128, 96, 33, 28, 103, 84, 65, 26, 41, 246, 0, 98, 116, 32, 59, 74, 66, 69, 240, 15, 8, 121, 20, 77, 89, 31, 11, 106, 81, 24, 328, 18, 75, 52, 82, 117, 201, 39, 23, 217, 27, 21, 84, 35, 54, 109, 128, 88, 1, 81, 217, 64, 55, 83, 116, 251, 269, 311, 96, 54, 32, 120, 18, 132, 102, 11, 84, 150, 219, 275, 312, 64, 10, 106, 87, 75, 47, 21, 29, 37, 81, 44, 18, 15, 132, 160, 181, 203, 76, 81, 299, 314, 337, 351, 96, 11, 28, 97, 318, 238, 4, 93, 3, 19, 17, 26, 60, 73, 88, 14, 126, 138, 234, 286, 297, 321, 365, 264, 84, 56, 107, 98, 123, 111, 214, 136, 7, 33, 45, 40, 13, 28, 46, 42, 107, 196, 44, 198, 203, 247, 116, 19, 8, 212, 230, 31, 6, 328, 65, 48, 52, 59, 41, 122, 7, 11, 18, 25, 71, 36, 45, 83, 76, 89, 92, 31, 65, 70, 83, 96, 27, 33, 44, 50, 61, 2, 136, 149, 176, 180, 194, 143, 171, 205, 296, 87, 12, 44, 51, 89, 98, 34, 41, 73, 66, 9, 35, 16, 95, 8, 113, 175, 90, 56, 203, 19, 177, 183, 206, 157, 200, 60, 291, 305, 618, 951, 320, 18, 124, 78, 65, 19, 32, 124, 48, 53, 57, 84, 96, 44, 66, 82, 119, 71, 11, 86, 77, 213, 54, 82, 316, 245, 303, 86, 97, 106, 212, 15, 81, 89, 16, 7, 81, 39, 96, 14, 43, 216, 118, 29, 55, 109, 136, 172, 213, 227, 304, 611, 221, 364, 819, 375, 128, 296, 1, 18, 53, 76, 10, 15, 23, 19, 71, 0, 134, 66, 73, 89, 96, 230, 48, 77, 26, 101, 127, 936, 218, 439, 178, 171, 61, 13, 215, 102, 18, 167, 262, 114, 218, 66, 59, 48, 27, 19, 13, 82, 48, 162, 119, 7, 139, 34, 128, 129, 74, 63, 120, 11, 54, 61, 73, 92, 180, 66, 75, 101, 124, 9, 96, 126, 274, 896, 917, 434, 461, 235, 890, 312, 413, 328, 381, 96, 105, 6, 118, 22, 77, 64, 42, 12, 7, 55, 24, 83, 67, 97, 109, 121, 135, 181, 203, 219, 56, 21, 34, 77, 319, 374, 382, 675, 684, 717, 864, 203, 4, 18, 92, 16, 63, 82, 55, 69, 74, 112, 134, 186, 175, 119, 213, 416, 312, 343, 264, 119, 186, 218, 17, 845, 951, 124, 209, 49, 617, 856, 924, 936, 72, 19, 28, 11, 35, 42, 40, 66, 112, 65, 82, 115, 119, 236, 244, 186, 172, 112, 85, 6, 56, 38, 44, 85, 72, 73, 96, 124, 217, 314, 319, 221, 644, 817, 821, 934, 922, 416, 975, 10, 22, 137, 181, 101, 39, 86, 103, 116, 138, 164, 212, 218, 296, 815, 380, 412, 95, 675, 820, 952.



THE

BEALE PAPERS,

CONTAINING

AUTHENTIC STATEMENTS

REGARDING THE

TREASURE BURIED

IN

1819 AND 1821,

NEAR

BUFORDS, IN BEDFORD COUNTY, VIRGINIA,

AND

WHICH HAS NEVER BEEN RECOVERED.

PRICE FIFTY CENTS.

LYNCHBURG:
VIRGINIAN BOOK AND JOB PRINT.
1885.

ZODIAC

This is the Zodiac speaking
By the way have you cracked
the last cipher I sent you ?.
My name is ——

A E N ⊕ ⊗ K ⊗ M ⊗ ↓ N A M

I am mildly cerous as to how
much money you have on my
head now. I hope you do not
think that I was the one
who wiped out that blue
meannie with a bomb at the
cop station. Even though I talked
about killing school children with
one. It just wouldnt do to
move in on someone elses territory.
But there is more glory in killing
a cop than a cid because a cop
can shoot back. I have killed
ten people to date. It would
have been a lot more except
that my bas bomb was a dud.
I was swamped out by the
rain we had a while back.

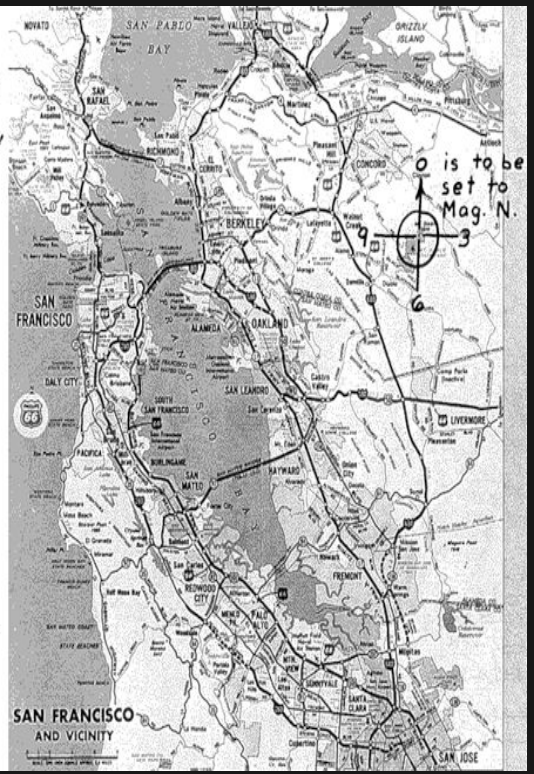
This is the Zodiac speaking

I have become very upset with
the people of San Fran Bay
Area. They have not complied
with my wishes for them to
wear some nice ⊕ buttons.
I promised to punish them
if they didnot comply, by
anilating a full School Bass.
But now school is out for
the summer, so I punished
them in an another way.
I shot a man sitting in
a parked car with a .38.

-12 SFPD-O

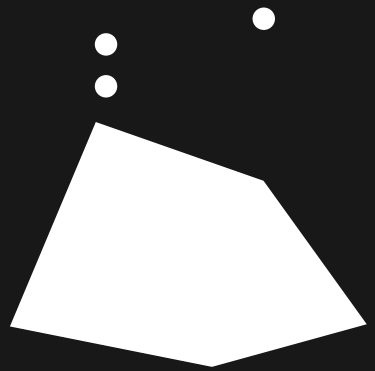
The Map coupled with this
code will tell you where the
bomb is set. You have until
next Fall to dig it up. ⊕

C Δ J I ■ O K ↓ A M ⅂ ▲ Ω O R T G
X O F D V ↾ ◪ H C E L ⊕ P W Δ



OSINT!

Personality influences all our decisions



EXAMPLE

ZODIAC

The characteristic style of the letters made it possible to anticipate the encrypted words, and the personality of the Zodiac provided new vectors for deciphering

VOYNICH MANUSCRIPT

Two versions are considered: the author was mentally healthy or mentally ill.
If the author was healthy, then this manuscript was influenced by a large number of the author's personality traits.
If the author was mentally ill (there was even a theory that the author had glossolalia), it is argued that the author was strongly influenced by mental illness or mania

VECTORS

BIOGRAPHY

HOBBIES

SEMANTIC AREA OF THE ENCRYPTED LETTER

ENVIRONMENT

EXAMPLE

1

There is a girl Eugenia

2

Eugenia loves cryptography

3

She is a member
of the crypto club

4

Eugenia has pages in many
social networks

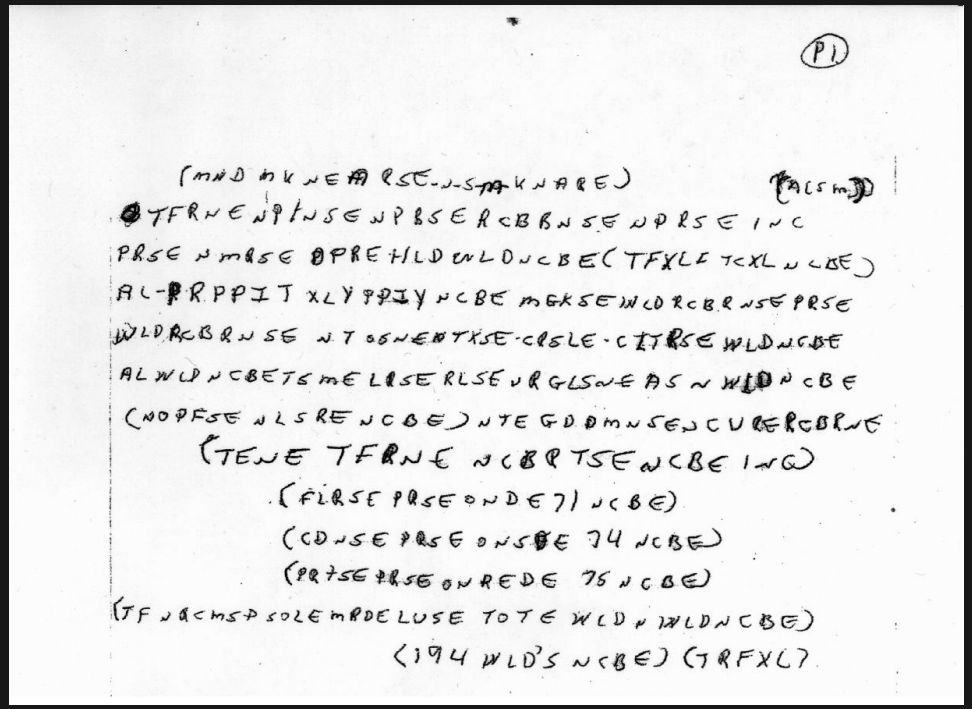
5

All pages have the
same status

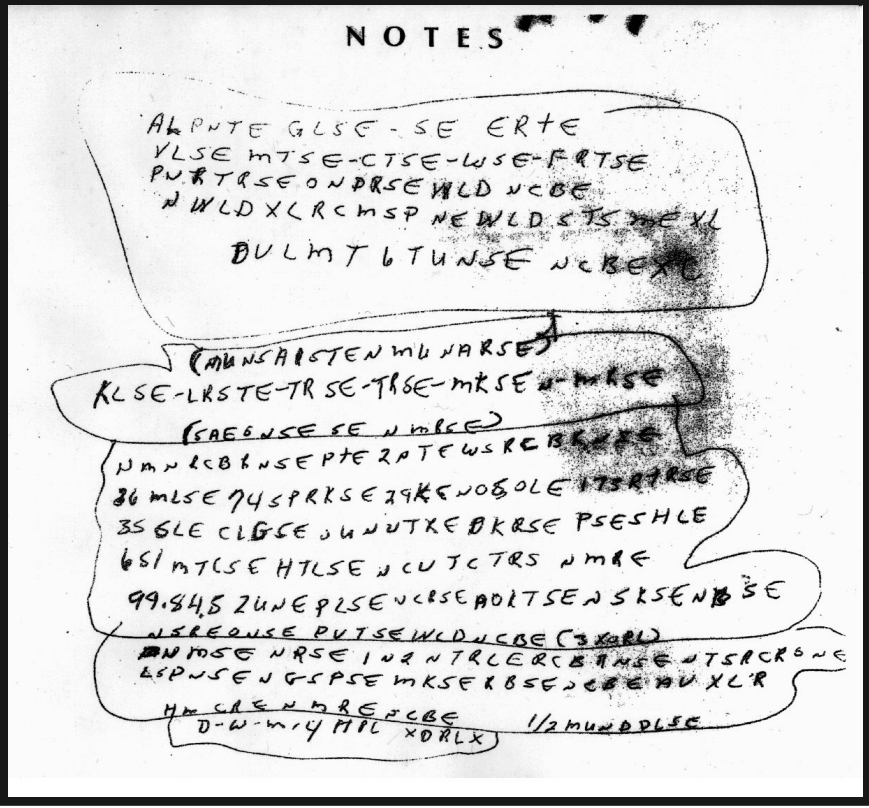
6

“If you want to hide
something, put it in the
most prominent place.”

RICKY MCCORMICK'S ENCRYPTED NOTES P.1



RICKY MCCORMICK'S ENCRYPTED NOTES P.2



TRUST NO ONE