Young Tyros Newsletter
August 2015

Are you certain I can solve this cipher with the Orphan Annie Cipher Disk?   COPST - Contribution of Personal Solving Techniques

---

*Contribution Of Personal Solving Technique – Grandpre Crib Placement   **LIONEL**
Our MJ15, *Cm*, E-13 Grandpre by RIG R MORTIS presents an opportunity for the explanation of how crib dragging through ciphertext results in finding its proper placement within the cipher. Cut a strip of the crib letters spaced exactly the same as the ciphertext number spacing. Move this strip of crib letters through the ciphertext. Look for a line of number repetitions that provide repeated numbers matching repeated letters. You will find that position 36 on ciphertext line five will provide repeating ciphertext numbers (77, 66 and 38) that match perfectly with crib letters (i, t and l). Fill in the plaintext letters that the entire crib placement has yielded and you will find letters which fit in with "animal" on the first row and "dog" on the second. You are well on your way to filling in more cipher plaintext.

Tyro Tutorial Free E-Mail Offer   **LIONEL**
Tyro Tutorial (148 pages) by LIONEL, fundamental cipher solving processes of some thirty different cipher types.

ORPHAN ANNIE CIPHER – A Trip Down Memory Lane - Page Three   **APEX DX**
See a picture of the 1935 Orphan Annie Cipher Disk and solve the accompanying cipher text on page three.

Free Code and Cipher Books –Place an order. The mailing is also free.
Codes, Secret Writing - Gardner   *Cryptanalysis* – Helen Gaines   *Crypto & Spygrams* – Gleason
Cryptography – Dwight Smith   *Find Out about Secret Codes* – Beal   *Fun with Secret Writing* - Lamb
Invitation to Cryptograms –Williams   *Mad Scientists Club* – Brinley   *Names Index,* Enterprise Publishing
Reader of Gentlemen's Mail – Kahn   *Secret &* Urgent – Fletcher Pratt   Secret *Codes & Ciphers* – Kohn
Twelve Years of Age and Under
Alvin's Secret Code – Clifford Hicks   *Break the Code* – Bud Johnson   *Code Crackers* – Kieran Fanning
Secret Agent Activity Book – Elder   *Secret Codes Kit* – Robert Jackson   *Secret Codes* Kit – Slinky Inc.

Gimme a Break – JA Aristocrats (may be digraphs / trigraphs)   (1) unless otherwise stated
A-1, the (2), A-2, the (2), A-3, the (2), A-4, the (2), A-5, that, A-6, the (2), A-7, ion (2), A-8, the (3), A-9, an (3), A-10, the (2), A-11, as (2), A-12, the (2), A-13, of (2), A-14, his (3), A-15, the (3), A-16, high, A-17, py (3), A-18, the (4), A-19, the (3), A-20, the (3), A-21, ing, the, A-22, crypt (2), A-23, wild, W = e, A-24, but, A-25, ball (2).

Gimme a Break - JA Patristocrats (may be digraphs / trigraphs)   (1) unless otherwise stated
P-1, ing (3), P-2, the (2), P-3, and (2), P-4, you (4), P-5, there, P-6, ing (2), P-7, the (3), P-8, they (3), P-9, your (2), P-10, ing (2), P-11, there, P-12, that, P-Sp-1, Greek, text, P-Sp-2, CGE=tho (2), geese (2).

MJ. A-24. Bumpy contest. K3 (97) Bronco buster tale.   **OZ**
MJ. P-7. Less habit forming. K3 ((4/18) (FIWUF) Plaintext begins, "Procaine"   **BECASSE**
MJ. X-7. ???. K1. My God! (113) French Aristocrat. Crib "principales."   **RAMIUS**
MJ. X-10. German Quagmire I. Schrift? (Vorlaeufer)   **RAMIUS**
Period Seven. Extended crib "artvorlaeuferschrift" located at position 50. Plaintext begins "Die geiste….."
MJ. E-5. Gronsfeld. Buffet on covered positions. Period Seven. Plaintext begins "It's……"   **SCRYER**

MJ. E-8. Nihilist Substitution. Don't try this in your gym. **CRUX**
Place ciphertext digits horizontally in periodic columnar order. The lowest and highest digits in each column cannot exceed a difference of more then four. Period Eight may work for this cipher. Plaintext begins with "The."
MJ. E-10. Unknown. Disraeli dictum. Monome-Dinome cipher, begins "Friend..." 93, 0, 63 = "the" **EL CONDO**
MJ. E-11. Porta. Keeping busy. (take) Period Nine, key begins "IMP……" **AURION**
MJ. E-12. Gromark. Useful keying series. Plaintext begins "In some……." **SMWS**
MJ. E-13. Grandpre. Domesticated animal behavior. **RIG R MORTIS**
Drag the crib through the ciphertext. You will find a fit on line five. Add "invariably" to the given crib.
MJ. E-14. Phillips. Hidden talents. (with his) **THE DOC**
Extend crib to "ventriloquist with his" located at position 28.
MJ. E-16. Quagmire I. Cryptanalytic depth. (thus be treated and does not) Period 16. (cryptogram-3) **NIVEK**
MJ. E-21. Quagmire III. Even so, Brazil got one. Period Eight, crib placement at position 31. **OZ**
MJ. E-22. Tri-square. The basic eleven. (milletsbeansbarleyandoats) **BION**
Extend tip to "mmilletbeansbarleyandoatsaccountforninety" placed at position 54.
MJ. E-23. Trifid. I think he's right. (thought because) **CAGEY KIWI**
GK Chesterton quotation. Extend crib to "from thought because it is free"
MJ. C-12. Equations. (Two words, 0-9) First word, 4 letters begins, S. Second word begins with B. **MATANZA**
MJ. C-13. Undecimal Division. (Three words, 0-A) **BION**
First word, three letters beginning with S. Second word, five letters beginning with B. Third word begins with E.
MJ. C-14. Equations. (Two words, 0-4) **APEX DX**
Line up the two addition problems and conclude why 0 = 9 and E is one or two greater than A. Trial and error allow Y to = 0 and U to equal 8. You are on your way.
MJ. AC-1103. ??? Yum yum. (137) Ragbaby cipher, crib "chocolate." **BOZOL**
MJ. AC-1105. Route Transposition. Fiscal insight. (132) (amount-2) **APEX DX**
Ciphertext begins upper right, alternating diagonals, plaintext pulled from lower right corner, alternating diagonals.
JA. A-25. Hog wild. K1. (95) Title suggests looking for "pig" and "pork" in the plaintext. **RHIZOME**.
JA. P-Sp-1. Lessons. K3. See "Gimme a Break" above. May geometry or algebra be involved? **RIG R MORTIS**
JA. X-9. Dutch Complete Columnar. True? (afnemen) Period six. Begins "Evaring….." **BARK**
JA. E-1. Checkerboard. Ultimate competition. (LOHHCHA) **WORD WIZARD**
Crib fits at position 58. Trigraph "ing" appears five times, trigraph "the" two times.
JA. E-2. Vigenere. Preferred reading. (nothing at all) Period ten. Begins "I w……." **APEX DX**
JA. E-3. Ragbaby. Car of (some) year? (its first) Additional crib, "Peugeot." **CRUX**
JA. E-4. Homophonic. Gardening tip. (mixture) Crib placement at position19. **AURION**
JA. E-5. Fractionated Morse. Well, congrats! (should) Crib placement position 68. Begins "Nar…….." **L. TWIN**
JA. E-9. Null. Division of effort. (KHQV) **APEX DX**
You will find that Caesared crib fits only at successive ciphertext words 13 thru 16. It's downhill from there.
JA. E-10. Incomplete Columnar. Falling object. (the variety) Period Seven. Begins "The….." **G-MAN**
JA. E-13. Swagman. When the arm gets tired. (scholars) **L. TWIN**
Period 6. Blocks of six columns by six rows. Ciphertext posted in vertical columns. Look for Leonardo DaVinci start.
JA. E-20. Quagmire III. Opinion from Nobel prize physicist. (own car that is fascinating fun) **BION**
Period Ten. Extended tip "fixingonesowncarthatisfascinatingfun" placed at position 48. Programming analogy.
JA. C-10. Base 14 Fourth Root. (Four words, D-0.) Key DCBA = AFIG **GGMA**
JA. C-12. Sudoku. (One "word") British English preferred spelling appears in first column. **TWEETY**
JA. C-Sp-1. Sudoku. (Two words*) Middle 3 x 3 block, backward read begins with "TO……." **ASYMPTOTE**

Sunny Ciphering, LIONEL   cc: ACA Executive Board

Orphan Annie Cipher Disk – A Trip Down Memory Lane   **APEX DX**

Radio Orphan Annie appeared on the airwaves beginning in 1931. It introduced a decoder which was in fact a cipher disk with a numbering sequence from 1 to 26. The 1935 decoder shown below was the first code-making or code-breaking device introduced by Ovaltine for box tops to the young and the young at heart on late afternoon radio drama. The letters appear on the edge of a wheel on the front of the badge which could be rotated to represent a number from 1 to 26 on the front of the badge.

USE THE DISK SETTING BELOW FOR THE CIPHER CHALLENGE WHICH FOLLOWS.
Difficult to read letters: T = 12, E = 7, G = 11, I = 6.

Orphan Annie Cipher Challenge

Use the above disk settings above to uncover the numeral ciphertext message.

23 14 4   4 16 3 6 23   23 4 15 10 16 19   16 19 19 6 7
O u r   r a d i o   O r p h a n   A n n i e
20 4 23 19 18 7   25 6 15 10 7 4   5 10 7 7 21   13 4 23 17
b r o n z e   c i p h e r   w h e e l   f r o m
19 6 19 7 12 7 7 19   12 10 6 4 12 22 - 13 6 9 7   8 12 6 21 21
n i n e t e e n   t h i r t y _ f i v e   s t i l l
25 16 19   25 10 16 21 21 7 19 11 7   16 13 12 7 4   16 21 17 23 8 12
c a n   c h a l l e n g e   a f t e r   a l m o s t
7 6 11 10 12 22   22 7 16 4 8.
e i g h t y   y e a r s.