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Unknown Cipher and Period Determination Analysis

COPST - Contribution of Personal Solving Techniques

***Contribution Of Personal Solving Technique – Unknown Cipher and Period Determination. RISHU**

Ciphertext letter frequency analysis is helpful here. Ciphertext letter count which resemble the General Properties of Letters in *The ACA and YOU Handbook* and devoid of low frequency letters will suggest a transposition type cipher while ciphertext possessing a large amount of low frequency letters will indicate a substitution type of cipher. *The ACA and You Handbook* guidelines for cipher construction will limit Period length possibilities.

Tyro Tutorial Free E-Mail Offer LIONEL

Tyro Tutorial(148 pages) by LIONEL, fundamental cipher solving processes of some thirty different cipher types.

Recreational Mathematics – A Bracelet of Numbers. Enjoy! APEX DX

The numbers that we deal with in this simple investigation are the ten digits, 0 to 9. Choose one such number. Choose a second, which need not be different. Obtain a new number by adding the first two numbers and recording only one digit of the sum of the first two. Thus, for 8, 9, we have 7. Obtain a next number by similarly combining the final two. The sequence becomes 8, 9, 7, 6. Continue. Predict what might happen and investigate to see if you are right. Try a triple of starting digits instead of a pair for different results. How, otherwise might the procedure be modified to produce different but interesting results?

Free Code and Cipher Books –Place an order. The mailing is also free.

<i>Codes, Secret Writing</i> - Gardner	<i>Cryptanalysis</i> – Helen Gaines	<i>Crypto & Spygrams</i> – Gleason
<i>Cryptography</i> – Dwight Smith	<i>Find Out about Secret Codes</i> – Beal	<i>Fun with Secret Writing</i> - Lamb
<i>Invitation to Cryptograms</i> –Williams	<i>Mad Scientists Club</i> – Brinley	<i>Names Index</i> , Enterprise Publishing
<i>Reader of Gentlemen’s Mail</i> – Kahn	<i>Secret & Urgent</i> – Fletcher Pratt	<i>Secret Codes & Ciphers</i> – Kohn

Twelve Years of Age and Under

<i>Alvin’s Secret Code</i> – Clifford Hicks	<i>Break the Code</i> – Bud Johnson	<i>Code Crackers</i> – Kieran Fanning
<i>Secret Agent Activity Book</i> – Elder	<i>Secret Codes Kit</i> – Robert Jackson	<i>Secret Codes Kit</i> – Slinky Inc.

Gimme a Break – MJ Aristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

A-1, the (2), A-2, that, the (4), A-3, they (4), A-4, that, the, A-5, the (4), A-6, them (2), A-7, the (2), A-8, that, they (2), A-9, the, ee (2), A-10, that, A-11, ing (3), A-12, in (3), A-13, you (3), A-14, that, A-15, you (3), A-16, ing, ion, A-17, nine (2), A-18, from, A-19, ing (2), A-20, bird (2), A-21, into, with, A-22, codex, A-23, GUEFTCWWSWQ, W = e, A-24, ing (2), A-25, gray..

Gimme a Break - MJ Patristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

P-1, the (2), P-2, body (2), P-3, you (2), P-4, that, P-5, day (2), P-6, they (2), P-7, caine (2), P-8, the (2), P-9, that, the (2), P-10, cabala, P-11, that, the, P-12, the (3), P-Sp-1, creek, P-Sp-2, the (7).

MA. MA 2-4. Wordplay. TRUPSILON

Three of the keys are in the first column of "Missing words/keys." One key repeats. Fourth key at top of column two.

MA. P-Sp-1. The root of superstition. K4. (92/19) (IPYL) Francis Bacon quote. "Men observe....."**APEX DX**

MA. X-10. French Ragbaby. Live for the day. (une fois) English key. First proper noun, "Jean." **ANCHISES**

MA. X-11. Interlingua Bazerics. Start of the horror. (Eng. key) (humorismo) **THE DOC**
English key begins 84... Crib begins at position 132, seven letters backwards, final two letters begins at position 137.

MA. E-3. Homophonic. Solving tip. Monome-Dinome solving tip. 9 & 42 = e. **AURION**

MA. E-5. Ragbaby. Temporal aberration. (always) **APEX DX**
Crib fits only as second plaintext word. Hyphenated word treated as one word.

MA. E-8. Monome-Dinome. Impure device. ((JXDUGLDQ) **APEX DX**
Side numbers = 7 and 9. Plaintext begins "Astute....."

MA. E-10. Quagmire II. How to play chess. (hemiddlegameli) **THE DOC**
Period Six. Crib placement extension at position 25, "hemiddlegameli like a magician"

MA. E-14. Cadenus. The White Cliffs. (amaze) **MARSHEN**
Horizontal ciphertext. Locate column which contains the only "M" in the ciphertext. Place this column two to the left of the column with the only "Z." Locate columns with "A" between "M" and "Z" columns which will yield three horizontal words "the" in the plaintext. Google "The White Cliffs" poem by Alice Miller for additional plaintext.

MA. E-18. Quagmire III. Long reign. (itwasthelargestinthe) **BION**
Period Nine. Crib placement at position 82. Lengthen crib to "world it remained"

MA. E-22. Bifid. Can you see it from the ground? (one hundred and) **CRUX**
Crib placement at position 19. Extend crib to "one hundred and ten meters the" Plaintext start "Growing....."

MA. E-24. Quagmire IV. End of the world. (outtoinformthepublictheythoughtitwasjust) **OOBOO**
Period Nine. Crib placement at position 59. Lengthen crib to "ajestand"

MA. C-14. Duodecimal multiplication. (Three words, 0-B) S = 0, T = 6, L = 9, all word starts. **BION**

MA. AC-1098. ??? Just desserts. (80) (JXXFDNXYFSI) "The reward of a thing well done" **LIONEL**

MJ. A-25. Murky miasma. K3. (76) Plaintext begins "Dark....." **DYETI**

MJ. P-12. Movies. K3. (87/20) (OJIH) Recent cryptographic film plaintext begins "The....." **ANAPEST**

MJ. X-12. Catalan Foursquare. Let freedom ring. **LIONEL**
Horizontal English keys begin "GO" and "PE."

MJ. E-1. Railfence. Belt, suspenders and safety pin. (three) 123456 row order, three offsets. **HANO**

MJ. E-2. Morbit. Carpe diem. (today) Plaintext begins, "Never....." Crib placed at position 122. **OOBOO**

MJ. E-3. Complete Columnar. Playing partner advice. (problem) **GRIFFIN**
Vertical posting of the ciphertext. Plaintext begins, "Tip....."

MJ. E-4. Nihilist Transposition. True Wisdom. (XUJJHM) **APEX DX**
Horizontal posting of the ciphertext. Plaintext begins, "Wis....."

MJ. E-6. Fractionated Morse. Necessities in the 1800's. Crib at position 112, plaintext begins "KARL" **BION**

MJ. E-7. Amsco. Didn't duck. (GIOMY) Period Five. Begins "In bo....." **TSIOLKOSKY**

MJ. E-9. Beaufort. Only in Britain? (IVDYWN) Period ten. "Freedom" appears twice in the plaintext. **APEX DX**

MJ. E-21. Quagmire III. Even so, Brazil got one once. Period Eight, crib placement at position 31. **OZ**

MJ. E-25. Quagmire IV. Rubbish dump. **THE DOC**
Period ten, plaintext begins "The." Google "Pacific Garbage Dump" for plaintext help.

MJ. C- Sp-1. Sudoku. (Three words) **L. TWIN**
Solution appears in fifth row. Second word "jigs."

MJ. C-Sp-2. Division. (Two words, 0-1) H = 9. **LIONEL**

MJ. AC-1102. Illogical viewpoint. (145) Period Seven, crib placement, position 41. **G-MAN**