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RISHU - Richly Innovative Solving Help Utility

Pencil and Paper Solving.

RISHU

I watch pencil and paper solvers view computer programming technicians spending an indescribable less amount of time solving a *Cm* cipher construction, and dreaming of the day when their solving time may be cut in half or less. As an ACA mentor of beginning solvers, I am often questioned about when we might get into the programming routine. My reply is always the same, that being the need of learning the intricacies of the solving process. There is no better learning process of determining how a cipher is put together than becoming aware of the construction process. *The ACA and You Handbook* is a precious source of information describing how a construction is put together, and provides an insightfulness to the process of taking it apart, leading one to, perhaps, a computer programming path to developing programs which will reduce the solving process.

The Joy of Pencil and Paper Solving.

The *Cm* cipher title and cited common trigraph cribs provide extensive openings to employ the computer research tools at our disposal to unveil vast stores of input and knowledge of the world around us while working on the solving process with pencil and paper to uncover additional cipher plaintext. A path to construction decipherments follow:

SO. 2023. AC-1358. Quagmire IV. A case from 1612. (-entyfourmentions)

BION

A Google search for a 1612 case involving “Twenty-four mentions of” will produce an historical recognizable person giving a deposition to this case of Bellot versus Mountjoy; a proper noun fitting very nicely in the plaintext start of this construction. Coupled with an estimated imagination of a crib extension of “the case provided twenty-four mentions of,” much additional plaintext will be added to the cipher’s solution.

ND 2023. AC-1361. Grandpre. Right or wrong.? (she baits her hook)

APEX DX

The master of devious constructors left us an opening on this Grandpre Cipher with his crib bearing repetitive letters which aligned nicely with ciphertext repetitive digits, 47 and 47 at positions 24 and 25. A *Google* check of the crib will find a crib extension of “Falsehood is never so successful as when” and the full quotation by Charles Colton at *Google* under *Quote Fancy*. The entire plaintext becomes visible with the complete quotation.

The Tyro Tutorial

This is available at our ACA web site under Resources. It describes the solution process to some thirty different cipher types, a comprehensive listing of Null Variables by BION and the use of Google as a solving tool.

ZANAC’s Gimme a Break – ND Aristocrats (may be digraphs / trigraphs)

A-1, that, A-2, the (3), A-3, and, A-4, the (4), A-5, -nals (2), A-6, the (2), A-7, what (2), A-8, the, A-9, good, A-10, that, A-11, Last, A-12, the (2), A-13, that, A-14, the (3), A-15, in (2), A-16, that, A-17, that, A-18, the (2), A-19, ing (2), A-20, ing (3), A-21, the (2), A-22, -hippo, A-23, ight (3), A-24, heavy, A-25, jackdaw.

ZANAC’s Gimme a Break - ND Patristocrats (may be digraphs / trigraphs)

P-1, it (3), P-2, NLWMMWM=dresses, P-3, the (2), P-4, the (2), P-5, FTFPW=every, P-6, that, P-7, Saabs, P-8, XQXEL=Even, P-9, the (2), P-10, EDGV=only, P-11, the (3), P-12, the (2), P-Sp-1, ZBRH=film, P-Sp-2, the (4).

ND. A-24. Whimsical yarn. K4. “W” alliteration. **WORD WIZARD**

ND. P-Sp-1. Recipe for joy. K3. (JFOM) Plaintext begins, “Merry” **CONFUOCO**

D. X-5. Portuguese. Famous quote. K@. (armamento) Key is first name of quotational person. **SHMOO**

ND. X-10. French Complete Columnar. Tout est possible. (trouve) Period Five. Begins, “Impossible” **HODDI**

ND. X-11. Italian Fractionated Morse. (quanto do-) Crib placement at position 46. Begins, “Una cosa” **SHMOO**

ND. X-12. Italian Key Phrase. Cielo Siciliano. (English key) Plaintext begins, “In fondo” **LIONEL**

ND. E-19. Monome-Dinome. Not one for Thanksgiving. (heavily) Begins, “The thank-” **TSIOLKOVSKY**

ND. E-20. Nihilist Substitution. Embellishing history. Begins, “In the” Period Eleven. **BION**

MSCREP: Crib extension: “Correct that Mark Twain”

ND. E-22. Quagmire II. Historic health statement. **WORD WIZARD**

MSCREP Crib extension, ends, “hygiene and regular professional care”

ND. E-23. Ragbaby. Inspiring story. (each find) Begins, “All bless” **WORD WIZARD**

All plaintext beginning word letters are in alphabetical order.

ND E-24. Tridigital. Finding the right word. (from the) PARROT: Begins, “Curious but” **G-MAN**

ND. C-6. Equations. (Three words, 0-1) Y = 0, F = 8, S = 5 **LI’L GAMIN**

ND. C-12. Additions. (Two words, 1-0) G = 1, S = 5 U = 8 **SCORPIUS**

ND. C-14. Addition. (No word, 0-9) I = 3, O = 6, P = 8 **MIB**

ND. C-Sp-2. Addition. (No word, 9-0) R = 9, M = 5, B = 1 **THE RAT**

ND. AC-1361. Grandpre. Right or wrong? (shebaitsherhook) Begins, “Falsehood” **APEX DX**

JF. JF-5. Complete Columnar. (United States) Period Six. Vertical ciphertext. Begins, “The” **DARING FLAIR**

JF. JF-7. Null. Very old. (five) Involves letters after vowels. **LATIN DUDE**

JF. JF-9. Morbit. Reverse alphabet. Begins, “The” Crib extension, “used to encrypt” **LATIN DUDE**

JF. A-25. Aristocrat. Busy critters! K3. Third plaintext word, “clucked” **KEPLER**

JF. P-11. Patristocrat. A botanist’s view. K\$. (GUEY) Opening plaintext ties into title. **CEREDWYN**

JF. Xenocrypts. Note that Xenocrypts 1 thru 4 are all KW K-2’s and their cribs allow simple alphabetical posting.

JF. X-7. ???? What did you say? Note long words. Germanic language. Begins, “Alle” **LIONEL**

JF. X-8. French Patristocrat. Promotion for rare bike tour. (compagnons) Crib with two duplicate letters has only one possible placement in ciphertext and leads to easily computed keyword alphabet and keyword. **SHMOO**

JF. X-9. French Beaufort. About time. (aucun – 2) Period Seven. Begins, “Il” **PARROT**

JF. E-1. Complete Columnar Transposition. (ugliness) Period Seven. Vertical ciphertext. **PHILLIES**

JF. E-2. Railfence. Long needles. (fire away) Seven rails, no offsets, begins, “Some” **SHMOO**

JF. E-4. Baconian. Persistence. (never) Crib placed “approx.” at 75% of ciphertext. Begins with “A win-” **SILCO**

JF. E-6. Morbit. Getting even. (your) Begins, “Always” **LATIN DUDE**

See page three for information on aligning morse code dots and dashes to keyword digits.

JF. E-7. Fractionated Morse. Inversion can be a problem. Crib at 38-3. Begins, “My girl-” **LIMAX**

JF. E-13. Bifid. Still keeping time. Crib extension, “clock in downtown Prague) **BION**

JF.E-15. Nihilist Transposition. Imperceptible change. Crib: “when” Vertical ciphertext **HODDI**

JF. E-20. Vigenere. Be ready. (filled) Period Nine, begins with common three letter word. **SILCO**

JF. E-21. Swagman. Kingly endorsement. (his symbol in their) **SHMOO**

PARROT: Period Seven will allow easy placement of crib. Begins, “Louis XI reduced his debt”

JF. E-24. Trifid. Inaccurate reporting. Crib extension: “man says can never be accurate because” **SHMOO**

JF. C-1. Cube Root. (Two words, 1-0) T = 4, P = 7, E = 9 **THE DOC**

JF. C-4. Square Root. (No word, 0-1) A = 9, D = 6, T = 4 **ARIES**

JF. C-12. Addition. (No word, 0-9) R = 2, A = 5, S = 7 **ICECAP**

JF. AC-1365. Triplet #1 = Vigenere. Period Nine. (the-2) **CONFUOCO**

Sunny Cipheryng, LIONEL