

# Young Tyros Newsletter December 2021

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**APEX DX Cryptography Insight** 

## **Early American Arithmetic**

APEX DX

As I was beating on the forest grounds,
Up starts a hare before my two grayhounds;
The dogs, being light of foot, did fairly run
Unto fifty yards and twenty-one.
The distance that they started up before
Was fourscore yards and four more.
Now this I'd have you unto me declare,
How far had they run before they caught the hare?

(Caesared answer = SRI LYRHVIH JMJXC JMZI CEVHW.)

# The Tyro Tutorial

Available at our ACA web site under Resources. It describes the solution process to some thirty different cipher types and includes a Railfence Template, Polyomino Congruent Squares by APEX DX, a comprehensive listing of Null Variables by BION, Foursquare Cipher digraph frequencies by RISHU, the use of Google as a solving tool and Affine & Hill cipher types to stimulate and interest young minds in the mathematical process.

#### Universal Phoebee Circular Cipher Slide by PHOENIX and HONEYBEE – Free

Useful for Beaufort, Gronsfeld, Porta, Portax and Vigenere type cipher solving.

# The Code Book by Simon Singh on CD-ROM – Free

An interactive version with animations, encryption tools, video clips, mathematics and a virtual Enigma machine.

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

Baconian Cipher – Gallup Codes & Ciphers – Gardner Fun with Secret Writing - Lamb
Invitation to Cryptograms–Williams Mysterious Messages – Blackwood
Practical Cryptanalysis – B. NATURAL Problem Solving – R. Masterton Secret Writing - Lysing

Shakespeare Equals Bacon? – Peck Substitution Ciphers – S-TUCK Challenging Cryptograms – Payne

Find Out About Secret Codes and Messages – Beck The Cryptogram Journal CD – 1932-2008

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

A-1, a (3), A-2, the (5), A-3, the (3), A-4, you (2), A-5, the (2), A-6, ing (3), A-7, people, A-8, ight (2), A-9, the (3) A-10, the (2), A-11, the (3), A-12, that, A-13, the, A-14, that, A-15, ing (5), A-16, the (3), A-17, for (2), A-18, ing (2), A-19, ion (3), A-20, the (4), A-21, that, A-22, ing (3), A-23, of (2), A-24, Dark, A-25, N Alliteration.

ZANAC's Gimme a Break - ND Patristocrats (may be digraphs / trigraphs) (1) unless otherwise stated P-1, the (4), P-2, ing (4), P-3, that, P-4, that, P-5, in (3), P-6, ing (2), P-7, ing (3), P-8, the (3), P-10, ing (2), P-11, and (3), P-12, in (4), P-Sp-1, presents, P-Sp-2, D Alliteration

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SO. A-24. Animal menagerie. K4. Look for dogs and cats habits.
                                                                                                ICECAP
SO. P-Sp-1. Romance. K4. (JUMN) Sisters – How many?
                                                                                            ARDUINNA
SO. X-10. German Ragbaby. "Die Nullte" PARROT: Crib "zwischen" at CT GGSRNSOH.
                                                                                       WORD WIZARD
SO. X-12. Spanish Gromark. Admit your errors. MSCREP: Begins "El Hombre"
                                                                                              THE DOC
SO. X-Sp-2. French Numbered Key. A strange sight. (English key.) PARROT: Begins "AU milleu du"
                                                                                                  BION
SO. E-13. Numbered Key. The Best of Robert Service. Begins "Were you ever"
                                                                                               LIONEL
SO. E-16. Bifid. Not a skunk. (black and browns) (that-2) PARROT: Begins "Chipmunks"
                                                                                          ALCIBIADES
SO. E-19. Grandpre. Humping. (with the largest) (No Z in key)
                                                                                               RAMIUS
No the subject is not about whales. MSCREP actually observed these Hump yards (opening plaintext) in action.
SO. E-24. Tri-square. Big steel bug. (Ends: that squeaks on plates) MSCREP: Begins "Cut a six inch) AURION
SO. E-26. Quagmire IV. Chemical process. (Ends: removed through a membrane)
                                                                                               AURION
PARROT: Period Seven. Begins, "Industrial process.
SO. C-12. Undecimal Additions. (Three words, 1-0) Word lengths, 5, 2, 4. F = 1, D = 5 H = 9
                                                                                              THE RAT
SO. C-14. Base 13 Additions. (Three words, 1-0) Word lengths, 1, 7, 5. O = 4, Y = 8, K = 0
                                                                                               APEX DX
SO. C-Sp-2. Addition. (No word, 0-9) D = 0, N = 4, C = 8
                                                                                          ALCIBIADES
SO. AC-1296. ??? Good advice. (hat) PARROT: Tridigital, begins "When"
                                                                                              THE RAT
SO. AC1297. ??? Albanian sayings. MSCREP: Ragbaby. Begins "Fire is"
                                                                                               APEX DX
SO. AC-1298. Quagmire III. Sam Spade he is not. MSCREP: Period Twelve. Begins "I knew she'd be"
                                                                                                   BION
ND-1. Key Phrase. This ole house. (got time-3) Horizontal ciphertext.
                                                                                                LIONEL
ND. A-23. Aristocrat. Vision health. K3. (docosahexaenoic)
                                                                                              PO' BABY
ND. P-12. Patristocrat. Seasonal wishes, K4. (FCZY) _Caesared crib – UOMICWCIOM
                                                                                                   TSOJ
ND X-2. Dutch Aristocrat. Art as seen by a writer. (ervaren) K1. Keyword ends "ie"
                                                                                                 BARK
ND. X-6. Swedish Aristocrat. Homework. K2. First 5 words include och, min, jag, man, har (not in order)OOBOO
ND.X-9. French Morbit. Sad news. PARROT crib extension. "tragedie de la"
                                                                                           MANDRAKE
ND. X-Sp-1. French???? True humility. (temoin) Porta, begins "La par"
                                                                                               LIONEL
ND. E-1. Null. Zoological anomaly. (stomach) Numerical sequence based on individual ciphertext words.
                                                                                                   TSOJ
ND. E-2. Vigenere. Indian affairs. (resolved) MSREP: Period Seven, begins "Do"
                                                                                                 REGIR
ND. E-3. Morbit. Do the math. Extended Caesared crib - SIO YPYL
                                                                                              THE RAT
ND. E-4. Complete Columnar Transposition. Tiny towns. (place) Begins with common three letter word.
                                                                                                    ZSA
ND. E-5. Pollux. Difference between jobs. (mistakes) Crib placed at position 179.
                                                                                        TSIOLKOVSKY
ND. E-6. Amsco. Brush your teeth richly. (NIINBJUMNY NBUN) Period ten, begins "The"
                                                                                           THE BRUIN
ND. E-7. Phillips. Remember. (at the going down) Plaintext begins with familiar three letter trigraph. ARDUINNA
ARDUINNA: Crib (at the going down) placement at CT L ZZTDR HUORS RBG
ND. E-8. Fractionated Morse. Look around. Extended crib "which has" Begins "When"
                                                                                        DONALD DUCK
ND. E-9. Foursquare. Take 'em to court. Extended crib: "courts of the middle ages"
                                                                                                AURION
ND. E-11. Homophonic. The Bible. Key begins, G. Plaintext begins, "Its"
                                                                                                  V.S.N.
ND E-14. Quagmire I. A boy named Sue. MSCREP: Period Ten. Crib placed at position67.
                                                                                             CONFUCO
ND. E-15. Railfence. Bird food. (WBCJM) Rails – 7. Offsets – 11. Ends "insects."
                                                                                        REVLOS DALG
ND. E-16. Tridigital. A wise warrior. (Bonaparte) Separator – 4. Begins with French Emperor.
                                                                                           EL CONDOR
ND. E-23. Bifid. Too much. PARROT extended crib – ends – "by intense physical exercise.
                                                                                           ALCIBIADES
ND. C-6. Sudoku. (Two "words"*) Solution appears in row seven, proper nouns.
                                                                                              DABASAP
ND. C-10. Addition. (No word, 0-9) X = 0, S = 4, O = 8.
                                                                                          ALCIBIADES
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Sunny Ciphering, LIONEL