



# Young Tyros Newsletter

## August 2020

Editor – LIONEL - cryptolion@aol.com

Staff – APEX DX ARDUINNA  
MSCREP PARROT

Looks like a lot of Mumbo/Jumbo to me.

APEX DX Cryptography Insight

### APEX DX

Our ACA lost one of its all time treasures this past month with the death of APEX DX, Educator, Cryptologist, Numismatist, Chronicler of Nature and a member of our Young Tyros Staff. He passed away last month at the age of 89. He instilled a sense of wonder in bright young people about the beauty of numbers and cryptograms. He has hosted two of our ACA Conventions in Montreal and introduced two new cryptic forms to our ACA through the Cm, *The Polyomino Pieces* in our MA and SO 1998 issues and the *Literal Sudoku* in 1996 issues. He received our ACA Cherry Blossom Award for his outstanding contributions to our ACA and the world of cryptology in 2012. His difficult Cryptarithm constructions continue to appear regularly in our Cryptarithm Column Specials as will his endless contributions to our Young Tyros Newsletters. His challenging cipher experience with a Physical Science Class appears on page three. We miss him so.

### Young Tyro Newsletters

In addition to this Senior Young Tyros Newsletters, we have two additional Newsletters published bimonthly for primary and secondary school students. If you would like a family or friend youngster to receive one of these, please send us their name and E-Mail address.

### The Tyro Tutorial

Available at our ACA web site under Resources. It describes the solution process to some thirty different cipher types and includes an appendix with a Railfence Template, Polyomino Congruent Squares by APEX DX, a comprehensive listing of Null variables by BION, an Algorithm process description, Foursquare Cipher digraph frequencies by RISHU, use of Google as a solving tool and the use of cryptology to bridge generation communication gaps while increasing a youngster's mathematical interest. Please direct any questions to LIONEL.

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

American Magic - Levin	Bacon Bi-literal Cypher - Gallup	Codes and Ciphers – Wrixon
Hitler's Spies – Kahn	Invitation to Cryptograms – Williams	Kahn on Codes - Kahn
Mysterious Messages – Blackwood	Perplexing Puzzles – Gardner	Reader of Gentlemen's Mail – Kahn
- Secret Codes & Ciphers – Kohn	Seizing the Enigma – Kahn	Unbreakable Code – Bertman

ZANAC's Gimme a Break – JA Aristocrats (may be digraphs / trigraphs) (1) unless otherwise stated  
A-1, the (2), A-2, the (2), A-3, that, A-4, the (2), A-5, the (4), A-6, you (2), A-7, the (4), A-8, ing (2), A-9, th3 (4),  
A-10, that, A-11, the (3), A-12, that, A-13, the (2), A-14, the, A-15, the (2), A-16, you (2), A-17, the (2), A-18, ed (3),  
A-19, the (2), A-20, ists (2), A-21, the (2), A-22, row (2), A-23, thr (2), A-24, er (3), A-25, x = c.

ZANAC's Gimme a Break - JA Patristocrats (may be digraphs / trigraphs) (1) unless otherwise stated  
P-1, the (2), P-2, Francis, P-3, that, P-4, the (4), P-5, and (2), P-6, er (3), P-7, WLXMOI = travel, P-8, people,  
P-9, the (4), P-10, the (3), P-11, the (3), P-12, the (3), P-Sp-1, sun has sunk, P-Sp-2, Caesared crib begins plaintext.

MJ. A-23. A flyer's wife. K2. (98) Crib: "and the" **NIVEK**

MJ. A-24. Spy vs. spy. K3. (90) Plaintext begins "Foreign" **DYETI**

MJ. P-Sp-1. Crazy. K3. (91/22) (NCGY) Plaintext begins "Relax" **FUNERALLY**

MJ. P-Sp-2. Technical term. K4. (102/21) (GIMN) Additional crib: "mumbo jumbo" **THE RAT**

MJ. X-3. Latin. K2. Time flies. (105) (potest) After crib placement solve with K2 keyword alphabet. **ROKAK**

MJ. X-7. ??? K2. Natural selection? (86) (English key) Catalan language, begins "Ocea". **G-MAN**

MJ. X-8. German Aristocrat. K2. Brahms' Lullaby Ext. crib: "morgen frueh wenn gott" **WORD WIZARD**

MJ. X-11. Italian Bifid. Low ambitions. (anonriusciamo) Period Seven. Crib position 52. **THE DOC**

MJ. X-12. Playfair. Flaubert. PARROT: Crib extension, "Madame se tenait haut dans" **THE RAT**

MJ. X-Sp-1. German Numbered Key. Parrot: Ends, "Spitzfindigkeit und theologischer Mucken." **BION**

MJ. E-11. Gronsfeld. Living your life. Period Six. Begins with popular pattern word beginning with "P". **OOBOO**

MJ. E-15. Grille. Drinking an Urban Myth. (as) PARROT: Begins "Apparently Coca Cola" **TSIOLKOVSKY**

MJ. E-16. Quagmire I. Quite an impediment. Period Eight. **OZ**

MSCREP: Crib extension, "science and the undertaking: at position 43.

MJ. E-21. Ragbaby. Appropriate response? (twenty) MSCREP: Added crib, "according to" **RIG R. MORTIS**

MJ. E-24. Swagman. Cold protection. MSCREP: Crib: "subsequently attributed" **L. TWIN**

MJ. C-10. Base 9 Square Root. (Two words, 0-8) First word, popular trigraph. **HANNAH II**

MJ. C-11. Equations. (Four words, 0-9) Begins "TRY". **LIONEL**

MJ. C-12. Base 15 Square Root. (One word, 0-1) Begins "PHYT". **ARIES**

MJ. C-14. Duodecimal Division. (Two words, (1-0) First word, six letters, begins MO. **Li'I GAMIN**

Second word begins, CR".

MJ. C-Sp-2. Equations. (Three words, 1-0) Word lengths, 2, 5 and 3. First word letters, M, H and C. **APEX DX**

MJ. AC-1256. ??? G. B. S. assertion. MSCREP: Baconian, crib, "think". **APEX DX**

MJ. AC-1258. Grandpre. Slightly abnormal. (becauseituses) MSCREP: Begins "Constructing" **THE RAT**

MJ. AC-1259. Quagmire III. Scientific history. PARROT: Period 12. Plaintext start "Genes were not" **BION**

JA. JA-1. Traveling. Think alphabetizing. **THE RAT**

JA. A-25. Exhaust stack accident. K4. Begins, "Callous" **LE CRAPAUD**

JA. P-Sp-1. Hidden K4. (MOHE) PARROT: Begins "On a dark" **BION**

JA. X-5. To the point. K1. (auto) English Key. SEDK = auto. **BARK**

JA. X-7. ??? K2. Veracity. Try Spanish or Italian. Crib: sono-2 **THE DOC**

JA. X-12. Dutch. Ze spreken Nederlands. (ongeveer) Begins "Nederlands" **LIONEL**

JA. E-1. Route Transposition. Good neighbors. (fields) In – Vertical, Out – Horizontal **LIFER**

JA. E-3. Baconian. Dryden wrote. (Ends: growth) Google John Dryden quotes. **APEX DX**

JA. E-4. Myszkowski. Very true. (faced danger) MSCREP: Plaintext begins "We can never be" **EL CONDOR**

JA. E-5. Morbit. Gravid feline. Extend crib to "the cat". Three "the" words. **ANGO-KA**

JA. E-6. Homophonic. They are false? Begins "Eternal" FDR Quotation. **BOATTAIL**

JA. E-7. Null. Well known fact. (is) Note the crib (is) appears in the fourth and fifth ciphertext word **LIONEL**

JA. E-9. Incomplete Columnar Transposition. Aging. (crackle) Begins "As you" **FLEETFOOT**

JA. E-17. Key Phrase. I knew there was a reason. (other, d = B) Three "the" trigraphs, that appear) **WABBIT**

JA. E-20 Redefence. Not a good idea. Rails – 6. Offsets – 4. **MANDRAKE**

JA. E-21. Variant. Stuck in a vault in Baltimore. Period Six. Begins "More" **DARING FLAIR**

JA. E-22. Vigenere. Idle rich toy? (Period Ten) (Four "the" trigraphs. Check the start for one) **MICROPOD**

JA. E-24 Beaufort. Amazing coincidence. (anniversary) Early American Presidents opening. **WORD WIZARD**

JA. C-10. Duodecimal Square Root. (Two words, 0-B) Begins SH, ends ED. **ARIES**

JA. C-13. Addition. (Two "words", 0-1) Begins NS, ends T. **FUNERALLY**

**APEX DX CIPHER – PAGE 3.**

## **APEX DX cipher, “One Man’s Philosophy”**

**K GJX EBJM K GJX JQL MBJM’H JVV K GJX. \*CZCTGT**

Posted on the chalk board of a Physical Science Club for an after-class Mathematics Club, meeting later that afternoon. APEX DX had been exploring the statistics of letter distribution in newspapers and other prose sources with his Mathematics Club and relates: “That afternoon in my Physical Science class an astute young woman student had experienced a “Eureka moment,” calling out joyously and correctly identifying its solution. The joke had to be on me. You don’t pose an unkeyed, overly brief (33 letters) substitution cipher as necessarily solvable, though this one had been just that. I asked if the MBJM’H had been the elegant giveaway but she replied that the CZCTGT had been her solution route.”

Sunny CIPHERING, LIONEL