



# Young Tyros Newsletter

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MSCREP PARROT

What is a Fixed Distance Cipher?

COPST - Contribution of Personal Solving Techniques

### Young Tyro Newsletters

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

### COPST Key Block Discipline

ZANAC

My “Key-block Discipline” is a “high-fallutin” hint to set up the alphabet solving table before starting the solving process. This is a good tool for keeping an eye on low frequency letter placement in K1 and K2 keyword alphabets. Ciphertext letters occurring once or not at all in the cipher construction are candidates for plaintext letters “b, j, k, q, v, x and z,” within the keyword alphabet. Low letter frequencies can also help pinpoint the keyword placement. ND2016 A-2 Key-block ciphertext solving table frequency analysis:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

0 0 0 7 7 6 9 5 2 9 2 2 4 5 13 1 3 0 0 3 5 1 0 2 3 2 What jumps out at us? Ciphertext letters A, B and C do not appear, great candidates for low plaintext letters x, y and z, indicating a probable keyword start location. Ciphertext R and S do not appear, perhaps plaintext j and k? W = q? High frequency ciphertext letters D, E, G, J and O are vowel candidates, with O a most probable plaintext “e.”

### Tyro Tutorial

LIONEL

The *Tyro Tutorial*, available by E-Mail, has found its hands into some 100 ACA Krewe and another 100 non Krewe members at this time. If you have yet to receive a copy it is available, free, by request, with your E-Mail address. It describes the solution process to some thirty different cipher types and includes an appendix with a Railfence Template, comprehensive listing of Null variables by BION, Algorithm process description, Foursquare cipher digraph frequencies by RISHU, use of Google as a solving tool and a means to bridge any generation communication gap while strengthening youngster’s mathematical interest and performance.

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

*American Magic* – Levin

*Bi-literal Cypher of Francis Bacon* – Gallup

*Codes and Ciphers* – Wrixon

*Hitler’s Spies* – Kahn

*Invitation to Cryptograms* – Williams

*Kahn on Codes* - Kahn

*Reader of Gentlemen’s Mail* - Kahn

*Secret Codes & Ciphers* – Kohn

*Secret Writing* - Lysing

### ZANAC’s Gimme a Break – JF Aristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

A-1, the (2), A-2, the (4), A-3, the (4), A-4, the (3), A-5, that, A-6, they, A-7, are, A-8, ing (2), A-9, ing (4), A-10, the (2), A-11, RPTUPMHHWAM, A-12, the, A-13, high, A-14, the (3), A-15, the, A-16, you (2), A-17, the (2), A-18, the (2), A-19, ing (2), A-20, ing (2), A-21, the, A-22, in (4), A-23, bid, A-24, justly, A-25, N = e.

### ZANAC’s Gimme a Break - JF Patristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

P-1, the (2), P-2, that (2), P-3, the (2), P-4, people, P-5, the (3), P-6, that, the (2), P-7, that, P-8, ing (2), P-9, the (6), P-10, for (5), P-11, IKHJ = just, P-12, never (3), P-Sp-1, JQAEL = about, P-Sp-2, VRTQY = ankle.

**ND-2. Fixed Distance Cipher. A hint.** Common three letter trigraph start. **LATIN DUDE**  
**ND. A-24. Food quest. K3. (89)** Look for adjective describing reason for food quest. **OZ**  
**ND. P-11. An instrument for the brave. (K4)** Look for column's seasonal theme noun. **TSIOLKOVSKY**  
**ND. X-3. Latin Aris. What the stars tell us.** Keyword Alphabet aids crib placement and lead to "qui" **PARROT**  
**ND. X-8. French Patristocrat. K2. Citron and climber.** PARROT: Crib extension "sans cesse le ciel" **URKULU**  
**ND. X-Sp-1. Danish. ??? Think before you speak. (mennesker)** PARROT: Inc Col Per 7, begin "Nar" **THE DOC**  
**ND. E-9. Unknown. But I didn't, really. (break)** 5 letter word brakes and 125 letter CT points to cipher type. **MIB**  
**ND. E-10. Cadenus. Words to live by.** Crib extension compliments of MSCREP: "loyal help-) **BALOO**  
**ND. E-11. Ragbaby. Hazardous procedure.** Crib ext. compliments of MSCREP: "contract the habit" **APEX DX**  
**ND. E-12. Route Transposition. Don't drown. (water)** 6 x 6 Zigzag diagonal in, reverse row out. **WABBIT**  
**ND. E-14. Bazeries. Intelligence gives you options.** Four digit key begins "86" **CILLBIPHER**  
**ND. E-16. Fractionated Morse. Too true (lies)** Parrot: Common trigraph start, ext. crib "of lies". **GAMESTER**  
**ND. E-18. Gromark. Where's Sherlock? (Ends: or killer)** PARROT: Begins "When" **G-MAN**  
**ND. E-19. Quagmire I. Childish enthusiasm. (science)** Period 7. Parrot: Plaintext ends "science intact". **POGO**  
**ND. E-22. Swagman. Q-tips for Jane Doe.** Period Six. MSCREP crib extension: "QWERTY keyboard" **L. TWIN**  
**ND. E-23. Foursquare. Accidental revelation.** MSCREP extended crib, "stumble over the truth" **MSCREP**  
**ND. E-25. Two-Square. Wise not to ask?** MSCREP: Ext crib at pos. 18, "mandoyouremembersometime" **OBOO**  
**ND. E-26. Tridigital. Read the map.** MSREP: Extended crib at position 64 "all you have to do is" **THE RAT**  
**ND. E-Sp. Monome-Dinome. Satirical scare headline.** MSCREP: Crib extension: "entire North American" **BION**  
**ND. AC-1212. ??? Maxim.** MSCREP: Nihilist Substitution, Period Seven. **EL CONDOR**  
**JF-4. Patristocrat. K2. (86/20) Celluloid legends.** Trigraph "the" - 2 **MIB**  
**JF-6. Complete Columnar Transposition. Yummy. (official)** Period Six. **CONFUOCO**  
**JF-7. Null. Celebration. (than)** Check first and last letter sequencing of crib. **CONFUOCO**  
**JF-8. Morbit. North Carolina, 1914. (first)** Begins with name of famous baseball homerun hitter. **CONFUOCO**  
**JF-9. Keyphrase. Imagine cleaning it. (largest home)** Begins with common three letter trigraph. **CONFUOCO**  
**JF. A-22. Aristocrat. Stirred up. K3.** Pattern words: MFJFXPBKUFN & XOQKUUFEOX **BION**  
**JF. P-12. Gentleness. K3. (have)** Plaintext opens with name of famous English Victorian novelist. **MANDRAKE**  
**JF. X-7. ??? K2. Rough sea. (English key.** PARROT: First plaintext word "Niemand" **JUDE**  
**JF. X-8. Norwegian Pat. K@. Jubilee. (English key) (markere)** PARROT: Plaintext start "I February" **RAMIUS**  
**JF. X-9. Catalan Vigenere. Corruption. (English key) (si estan)** **URKULU**  
 First letter of Period Six key "V". Begins "Aixi"  
**JF. E-2. Route Transposition. Better than dessert.** Period Six. **STAR SPOWLSE**  
**JF. E-3. Null. Music saying. (is-2)** **BION**  
 Determine the need for letters "J" and "Z" near the end of the ciphertext. Solving is downhill from there.  
**JF. E-4. Checkerboard. Draw a honeycomb. (circle)** **AURION**  
 Sight read by locating six digraphs representing the crib and filling in plaintext with crib letters. Begins "Hexagon"  
**JF. E-7. Homophonic. Famous last words.** First letter of keyword "W." Plaintext begins with "I" **EL CONDOR**  
**JF. E-8. Morbit. As time goes by.** MSCREP: Extended crib: "If no one" plaintext start. **BREAK**  
**JF. E-11. Monome-Dinome. Broadening. (distiller)** Plaintext begins "Minds" **TSIOLKOVSKY**  
**JF. E-13. Fractionated Morse. Tyranny vs. liberty.** MSCREP: Extended crib: "the human race" **CILLBIPHER**  
**JF. E-14. Key Phrase. Keep it pithy.** MSCREP: Extended crib "the key phrase maxim" ending. **POSTREN**  
**JF. C-12. Undecimal Multiplication. (Three words, 0-A)** **THE DOC**  
 First word, five letters, beginning "U." Third word, five letters, beginning "L."  
**JF. C-13. Duodecimal Equations. (Three words, 0-1)** **APEX DX**  
 First four letter word begins "Y." Second four letter word begins "H." Third four letter word begins "D."  
 Sunny Cipheryng, **LIONEL**