



# Young Tyros Newsletter

June 2018

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Devious Railfence constructor at work.

COPST - Contribution of Personal Solving Techniques

## MA E-21 Railfence Construction.

LIONEL

The MA E-21 Railfence construction title (... or vice versa) hints of deviousness at work and its plaintext begs the question of whether ACA krewe have a program to solve it. When this paper and pencil solver did not obtain logical plaintext with the ciphertext written in horizontally on his template, I consulted our *ACA and You Handbook* to determine if existing alternative construction methods for the cipher were within our ACA guidelines and sure enough, in black and white, such is stated. For fellow paper and pencil solvers in ACA land, a Railfence template is available in the Tyro Tutorial noted for free E-Mail distribution below.

## Xenocrypt Solving

If you have never attempted solving a Xenocrypt for fear of not knowing the language, you are performing a huge disservice to yourself. Many of the Xenos on the first page of the column are a lot easier than the Aristocrat and Patristocrat ciphers that cause us so much pain. Cribs are available for placements which allow Keyword Alphabet construction leading to additional plaintext. Necessary tools are at a minimum. Bi-lingual proficiency is not among them. Although a foreign pocket dictionary is helpful, it is not required. Notice that all of the Xenocrypts on the first page of the column are constructed with a K1 or K2 keyword alphabets. Keyword Alphabet analysis is a most helpful asset to use when solving Aristocrat and Patristocrat and Xenocrypt ciphers. Another helpful Xenocrypt tool is the *ACA Xenocrypt Handbook*, an immeasurable aid as you begin to tackle the slightly more difficult Xenocrypt constructions, edited and published by PHOENIX in 1996, it is available in the *For Sale* list of publications on page 13 of the *ACA Cryptogram Journal*. The handbook is full of instructional material, foreign language word lists, frequency tables and statistical data. **One copy is available, free for the asking, from our Young Tyros library.**

## Free E-Mail Offer.

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

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

<i>American Magic</i> – Levin	<i>Bi-literal Cypher of Francis Bacon</i> – Gallup	<i>Codes and Ciphers</i> – Wrixon
<i>Codes, Secret Writing</i> – Zim	<i>Hidden Codes</i> – Berloquin	<i>Hitler's Spies</i> – Kahn
<i>Invitation to Cryptograms</i> – Williams	<i>Reader of Gentlemen's Mail</i> - Kahn	<i>Secret Codes &amp; Ciphers</i> – Kohn
<i>Universal PhoeBee Circular Cipher Slide</i> – by PHOENIX & HONEYBEE		

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

A-1, the (5), A-2, we (4), A-3, that, the, A-4, the (2), A-5, which (2), A-6, the, A-7, that, A-8, the (2), A-9, that, the (2)  
A-10, that, the, A-11, that (2), A-12, you (2), A-13, the, A-14, to (3), A-15, the (3), A-16, the (3), A-17, his (2),  
A-18, the (4), A-19, music, A-20, are, A-21, ing (2), A-22, with (2), A-23, from (2), A-24, from, A-25, film.

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

P-1, the (3), P-2, the (2), P-3, the (5), P-4, the (3), P-5, the (4), P-6, the (4), P-7, the (6), P-8, the (2), P-9, that (2),  
the (3) P-10, the (2), P-11, the (5), P-12, that, the (2), P-Sp-1, ETB = and , P-Sp-2, QTW = and.

**MA-6. Ragbaby. 14<sup>th</sup> in line. (ratification)** “the” – 4 **LATIN DUDE**  
**MA. A-22. Spectacular spectrum. K3.** Think skyward for title plaintext reference. **DYETI**  
**MA. P-Sp-1. Comfort food. K3. (95/18)** Plaintext start describes deliciousness of title. **CONFUOCO**  
**MA. X-3. Dutch. K1. About love.** Beware of K1 keyword alphabet. Proper noun – Rabindranath Tagore. **BARK**  
**MA. E-2. Homophonic. One liner. (gets)** Keyword refers to title. **TSIOLKOVSKY**  
**MA. E-11. Amsco. Strong words. (enough)** Period Ten begins “I hope.” **PARROT**  
**MA. E-12. Fractionated Morse. How to succeed. (the people)** Crib placed at position 1. **ICECAP**  
**MA. E-15. Foursquare. Enduring value.** MSCREP crib extension “tomorrow only one thing end....” **G-MAN**  
**MA. E-16. Baconian. Money. (man’s)** Crib placement starts at 15<sup>th</sup> ciphertext group. **ARIES**  
**MA. E-17. Nihilist Transposition. Yearly designator.** Period Ten. **CRUX**  
Horizontal ciphertext. **PARROT** supplies crib “calendar.”  
**MA. E-18. Ragbaby. Slimy.** MSCREP crib extension “Roman emperors” **WHITEPINE**  
**MA. E-19. Key Phrase. It is up to us. (entire)** **PARROT**: Additional crib: “Safeguarding” **ALCIBIADES**  
**MA. E-20. Monome-Dinome. His goal in life. (fights)** Side digits – 5 & 9. Begins “I endeavor” **BION**  
**MA. E-21. Railfence. Or vice versa.** CT written in by zigzag, pt out by horizontal. Five rails. **NORTH DECODER**  
**MA. E-22. Vigenere. Wedded bliss.** Period Seven Socrates quotation. **DANEEL**  
**MA. E-26. Quagmire IV. Computer stuff.** Period Eight, crib placement at position 93, begins “The” **ANAPEST**  
**MA. C-14. Duodecimal Multiplication. (Three words, 0-B)** TWI = 012 **BION**  
**MA. C-Sp-1. Addition. (No word, 0-9)** ALR = 012 **ALCIBIADES**  
**MA. C-Sp-2. Multiplication. (No word, 0-9)** AWS = 012 **FOMALHUT**  
**MA. AC-1189. ??? Professionalism? (130) (experts)** **PARROT** offers: Period Eleven Beaufort. **G-MAN**  
**MJ. A-25. Eric Von Stroheim. K4. (97)** Search pattern wordlists for seven and ten letter words containing ciphertext letters representing plaintext letters in same positions for BTEGOAS and FYJETIXGOA. **PETROUSHKA**  
**MJ. P-10. Up to 40 meters long. K2. (WIUMN)** Google “rhizophysid” for background on this cipher. **THE RAT**  
**MJ. X-3. Dutch. K2. (altijd)** Use K2 keyword alphabet to determine crib placement between two choices. **BARK**  
**MJ. X-7. ?????? K2. Advice. (English Key)** Germanic language constructor continues work. WCU = kon **BARK**  
**MJ. X-9. French Incomplete Columnar. Open library. (le monde)** Period Eight, begins “La” **URKULU**  
**MJ. X-10. Spanish Beaufort. Borges admires it. (lejos)** Period Six, begins “Lo” **BION**  
**MJ. E-2. Route Transposition. Classic advice.** Nine columns, zigzag column in. **LIFER**  
**MJ. E-4. Railfence. Include the offset. (turtle-2)** No offsets needed with six rails. **FAT CAT**  
**MJ. E-5. Redefence. Reptilian perspective.** Three rails, no offsets. **APEX DX**  
**MJ. E-7. Variant. Action vs. talk.** Period seven. (table) **G-MAN**  
**MJ. E-8. Gronsfeld. Play it safe. (Period seven)** Crib: bananas **THE DOC**  
**MJ. E-10. Null. OK, you can say it. (is a)** Crib placement presents a numerical sequence of three. **WABBIT**  
**MJ. E-12. Porta. If we knew then what we know now. Period Seven.** **RIG R. MORTIS**  
How to solve a polyalphabetic cipher without a crib: Look for “The” plaintext start, “second and third letters work on this construction. Look for “ING” keyword ending, works on this construction.  
**MJ. E-14. Monome-Dinome. Artistic advice? (green-2)** Side numbers = 3 & 7. **EL CONDOR**  
**MJ. E-18. Morbit. Optical illusion.** Crib – “only” **LIONEL**  
**MJ. E-19. Beaufort. No fire department.** Period eleven. Crib: demons **BRASSPOUNDER**  
**MJ. E-25. Key Phrase. Marriage advice? (divorces)** THAHTSSH = divorces. SCHSSE = chilly. **CILLBIPHER**  
**MJ. C-8. Multiplication. (One word, 9-0)** Jewish recipe. S = 0. T = 9. **LATIN DUDE**  
**MJ. C-12. Undecimal Division. (Three words, 0-A)** Word beginnings – G = 0, I = 5, S = 9. **L’L GAMIN**  
**MJ. C-13. Undecimal Multiplication. (Tw0 words, A-0)** Word beginnings – M = A, B = 4. **THE DOC**  
**MJ. C-Sp-2. Addition. (No word, 0-9)** I = 0, Q = 4, L = 9. **ALCIBIADES**

Sunny Cipheryng, LIONEL