Young Tyros Newsletter
October 2020

SO E-5 Baconian. APEX DX mischievousness lives on.　　　　**RISHU** – Richly Innovative Solving Help Utility

APEX DX Memorial Hyperlink
https://mountroyalcem.permavita.com/site/HaroldDonAllen.html
Note from his children:" Of course, it would be an honour that you continue to recognise Dad's earlier work – let that mischievousness live on!"

Xenocrypts　　　　　　　　　　　　　　　　　　　　　　　　　　　　**RISHU**
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.* The *Xenocrypt Handbook* is an immeasurable aid as you begin to tackle the slightly more difficult Xenocrypt constructions, Edited and published by PHOENIX in 1996. The handbook is full of instructional material, foreign language word lists, frequency tables and statistical data.

Young Tyro Newsletters – Now available on our ACA Web Site. Send solutions to LIONEL
Young Tyros Newsletter now available for primary and secondary school students on ACA web site under Resources.

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, and the use of Google as a solving tool.

Free Code and Cipher Books – Place an order. The mailing is also free.
American Magic - Levin – Wrixon	Invitation to Cryptograms – Williams	Kahn on Codes - Kahn
Mysterious Messages – Blackwood	Reader of Gentlemen's Mail – Kahn	Secret Codes & Ciphers – Kohn
Seizing the Enigma – Kahn	Unbreakable Code – Bertman	Cryptographic ABC's - Bryan

ZANAC's Gimme a Break – SO Aristocrats (may be digraphs / trigraphs)　(1) unless otherwise stated
A-1, S = a, W = e, A-2, you (6), A-3, your (2), A-4, he (2), A-5, your (3), A-6, ing (2), A-7, the (2), A-8, your (2), A-9, e (11), A-10, the (2), A-11, think (2), A-12, when A-13, the, A-14, day (3), A-15, ing (2), A-16, the, A-17, the, A-18, ever, A-19, T = a, V = t, A-20, that (2), A-21, the (2), A-22, the (3), A-23, the, A-24, the (4), A-25, into.

ZANAC's Gimme a Break - SO Patristocrats (may be digraphs / trigraphs)　(1) unless otherwise stated
P-1, you (4), P-2, the (3), P-3, the (6), P-4, 1ng (2), P-5, the (2), P-6, WLEWXEW = hashish, P-7, successful, P-8, VWASD = about, P-9, our (2), P-10, the (5), P-11, you (2), P-12, you (3), P-Sp-1, a man has, P-Sp-2, IUMA = when.
JA. A-24. Risky maneuver. K4. (toward)　　　　　　　　　　　　　　　　　　　　　　**PELKABO**

JA. P-Sp-2. Medical mystery. K4. (107/22) (QBUN) (condition)   **WORD WIZARD**
JA. X-5. Dutch Aristocrat. K1. To the point. (English key) (auto) SEDK = auto.   **BARK**
JA. X-6. Swedish Aristocrat. Rysk uppmuntran. (26 alphabet *qwz)   **OOBOO**
Proper nouns, Nikita Chrusjtjov Rysk.
JA. X-Sp-2. Spanish ??? Writer's purpose. (para) PARROT: Period Four Swagman. Begins "El escritor"   **BION**
JA. E-2. Playfair. Didn't see it. (Ends: -etorealisation) MSCREP: Begins "f you start with"   **BION**
JA. E-4. Myszkowski. Very true. Period Six. (faced danger) MSCREP: Begins "We can never"   **EL CONDOR**
JA. E-8. Ragbaby. Limerick. (HUGYX) Common limerick beginning.   **THE RAT**
JA E-10. Fractionated Morse. PARROT: Extended crib – "from posting" placed at position 83.   **TSIOLKOVSKY**
JA. E-11. Bifid. Powerful, but misused. MSCREP: Extended crib "an encryption device developed"   **ALCIBADES**
JA. E-14. Pollux. Lonely living. Crib: Einstein   **OOBOO**
JA. E-15. Swagman. It's different now. Extended crib: "no longer in a position"   **GUNG HO**
JA. E-16. Monome-Dinome. Quote from Yankee legend. (not going) Yogi Berra quote.   **ICE CAP**
JA. E-23. Tridigital. Before NAFTA. MSCREP extended crib: "exported prized recipes for"   **G-MAN**
JA. E-25. Quagmire IV. Optical illusion. Period Nine.   **THE DOC**
MSCREP extended crib: "paint scheme used on ships the idea is credited to the artist" is placed at position 39.
JA. C-11. Equations. (Three words, 0-1) Last two words four letters beginning with Y and F.   **THE RAT**
JA. C-12. Undecimal Division. (Three "words," 0-A) First word "COSY"   **BION**
JA. C-14. Duodecimal Equations. (Three words, 0-1) Three four letter words, begin W, J, C   **APEX DX**
JA. AC-1261. ??? Homeric wisdom. MSCREP: Pollux. Crib "and"   **G-MAN**
JA. AC- 1264. ??? Do what you can.   **EL CONDOR**
MSCREP**:** Period Eleven Quagmire, crib placed at position 168, begins "I cannot do"
SO. SO-1. Unknown cipher. Simple substitution. This (3)   **WORD WIZARD**
SO. A-25. Improving efficiency. K3. Title indicates money saving first word.   **PELABO**
SO. P-12. Hamster on a wheel. K3. (QCNB) HKC = what hamsters on a wheel do.   **FUNEREALLY**
SO. X-6. Swedish. Happiness or ? K2. (sorger) Begins (Ett *Indiskt) Key word singular in plaintext.   **OOBOO**
SO. X-9. German Amsco. Forever young. (sich die) Begins "Jeder der sich die" **MANDRAKE**
SO. E-1. Null. Short (er) saw. (of) Crib leads to key letters 2 and 3 of each word. Find 3rd number in key. **WABBIT**
SO. E-2. Morbit. Words for the indecisive. (eyes) Plaintext begins "A wise man"   **TSIOLKOVSKY**
SO. E-3. Route Transposition. Wedding bells. 6 x 9 matrix. In – Zig Zag Column. Out by row.   **LIFER**
SO. E-4. Homophonic. Political Humor? Ends with name of author known for political humor.   **BOATTAIL**
SO. E-5. Baconian. Social insight. (flat-) Crib placement starts at end of second ciphertext line.   **APEX DX**
SO. E-7. Railfence. Reference text. 123456 order, 6 offsets.   **AURION**
SO. E-9. Unknown. Local detour. (under) Checkerboard. Begins with three letter popular trigraph.   **LIONEL**
SO. E-10. Quagmire I. In moderation. (believe all you hear) Period Eight. Five "do not"   **OOBOO**
SO. E-13. Key Phrase. Energetic inventor. (hustles) Ends with name of famous inventor.   **SMOKEY**
SO. E-14. Swagman. Not all one way. Extend crib to "in all conditions"**.**   **GUNG HO**
SO. E-16. Vigenere. Punic expansion. (Period Thirteen) Begins with popular 3 letter trigraph.   **LABRONICUS**
SO. E-22. Gromark. By the Bay. Parrot: Plaintext begins HL Mencken   **RIG R. MORTIS**
SO. E-25. Variant. Risky outlook. PARROT: Crib: "pessimist"   **ZER-O**
SO. E-26. Fractionated Morse. Oh so true. PARROT extended crib: "the magazine"   **ANAPEST**
SO. C-4. Cube root. (No word, (0-9) Begins MCL, ends EA.   **DOPEFISH**
SO. C-12. Addition. (No word, 0-9) Begins IVL, ends OF.   **ALCIBIADES**
SO. AC-1269. Swagman. Character. MSCREP Crib: "The only color that wears   **EL CONDOR**