



Young Tyros Newsletter

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Staff – APEX DX ARDUINNA
MSCREP PARROT

JA P-Sp-1: Are they Rock Bands?

RISHU – Richly Innovative Solving Help Utility

RISHU - Vowel behavior from Helen Fouche Gaines “Cryptanalysis”

1. A, E, I, O, are high frequency, U is moderate.
2. Letters contacting low frequency letters are usually vowels.
3. Letters showing a wide variety of contact letters are usually vowels.
4. In repeated digraphs, one letter is usually a vowel.
5. In reversed digraphs, one letter is usually a vowel.
6. Doubled consonants (c) usually flanked by vowels (v), and vice versa. (cvvc or vccv).
7. It is unusual to find more than 5 consonants in succession.
8. If the CT letter with the highest frequency is assumed to be E. Any other high frequency letter that contacts it often cannot be a vowel.
9. E is the most frequent vowel and rarely contacts O. Both double freely.
10. “A” may follow but rarely precede E.

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.

The Tyro Tutorial is now 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.

Universal PhoeBee Circular Cipher Slide – by PHOENIX & HONEYBEE – Used to solve Vigenere cipher types.

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

<i>American Magic</i> - Levin	<i>Bacon Bi-literal Cypher</i> - Gallup	<i>Codes and Ciphers</i> – Wrixon
<i>Hitler’s Spies</i> – Kahn	<i>Invitation to Cryptograms</i> – Williams	<i>Kahn on Codes</i> - Kahn
<i>Reader of Gentlemen’s Mail</i> - Kahn	<i>Secret Codes & Ciphers</i> – Kohn	<i>Secret Codes & Messages</i> - Beal

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

A-1, of (2), A-2, you (2), A-3, ing (2), A-4, that the (2), A-5, you (3), A-6, and (2), A-7, for (2), A-8, the (2), A-9, that, the (2) A-10, the (3), A-11, the, A-12, the (3), A-13, is (2), A-14, that, A-15, the, A-16, that (2), A-17, of (2), A-18, the (2), A-19, the (2), A-20, KMKSD=fifty, A-21, ar (6), A-22, and (2), A-23, the (2), A-24, X=e, , A-25, Beach play.

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

P-1, change (3), P-2, you (3), P-3, that, the, P-4, VNIVAV=circle, P-5, JKCCF=stoop, P-6, F = e, P-7, PIEQI=Tokyo, P-8, the (4), P-9, that, the, P-10, Ivan (2), P-11, that, the, P-12, UOSQ=dark, P-Sp-1, the (3), P-Sp-2, GMJSO=kinds

JA. A-24. Sneaky. K3. (84) OMHTTPQKUZ pattern word = stammering. **CHI VALOR**
JA. P-Sp-2. Imaginary report.. K4. (98/21) (-KOCL-) **BION**
 Do not trust spell check on these weird plaintext words: capillacii, pataae, robium, xenolith
JA. X-1. French Xenocrypt. K1. Be aware of K1 Keyword Alphabet. Crib - "signifie" **ARDUINNA**
JA. X-8. French Patristocrat. (verite) Crib placed at end. Begins "La science" **BION**
JA. X-Sp-1. German Transposition. Ueber Dantons Tod. (sie) PARROT: Route Transp., begins "Die" **GGMA**
 PARROT: Beware of the backward counterclockwise spiral ciphertext posting beginning in the top left hand corner.
 Plaintext is pulled off in alternate diagonal order beginning in the bottom left hand corner.
JA. E-4. Homophonic. Squire Korbes should have known. (less) Last two key letters, A & R. **TSIOLKOVSKY**
JA. E-11. Swagman. Bombastic. (however) PARROT: Period Five. Begins "For all" **L. TWIN**
JA. E-13. Tridigital. Making good use of hard time. PARROT: Separator = 6. **G-MAN**
 MISCREP: Do not let the "q" and the "x" in the crib author's famous novel let you neglect its placement.
JA. E-17. Baconian. Not the same thing. (one) Crib placed at "SQUAB LIKES, FROST" **MICROPOD**
JA. E-18. Myszkowski. Take your time. (driving) PARROT: Period Seven. Begins "Thought" **G4EGG**
JA. E-19. Grille. Button up. (life) PARROT: Begins "Life is fra" **MANDRAKE**
JA. E-21. Bazeries. Why we say it. (popular) Key begins "57" **RIG R. MORTIS**
JA. E-23. Foursquare. And persistence helps too. PARROT: Crib ext. "every scientist" placed at digraph 17. **OZ**
JA. C-10. Base 9 Square Root. (Two words, 0-8) First word seven letters begins "S" ends "D." **HANNAH II**
JA. C-11. Additions. (Three words, 1-0) FOR = 1, 2, 3 **APEX DX**
JA. C-12. Sudoku. (Three words) Solution appears in column five. **DOPEFISH**
JA. C-13. Duodecimal Multiplication. (Three words, 0-B) **BION**
 Word lengths, five, four and three, beginning, B, H and P. **BION**
JA. AC-1232. ???. Advice. MSCREP: Nicodemus. Period Eight. Begins "Make" **EL CONDOR**
JA. AC-1233. Gromark. Humorous quatrain. MSCREP crib: Ends "and keys" **WORD WIZARD**
JA. AC-1234. ???. But a few drawbacks. (momentsthatmanmea) **EL CONDOR**
 MSCREP: Two Square. Crib extension "critical moments that man measures man" Emerson quotation.
SO. A-25. Temporary construction. K4. (85) Think beach play. **DYETI**
SO. P-Sp-2. Underfoot. K3. (97/22) (ECHXM) Look for double lettered underfoot in the house. **BION**
SO. X-9. French Variant. Ballistic. (humain) Period Five. **URKULU**
SO. X-10. Catalan. Complete Columnar. New times. (era) Period Six. **URKULU**
SO. E-1. Null. Getting it done. (up) Crib contains entire key sequence. **APEX DX**
SO. E-2. Morbit. Hangover woes. (precede) Begins "If the" **WALRUS**
SO. E-3. Ragbaby. 90's couch potatoes? (teenagers) Key begins "EDU" **AURION**
SO. E-4. Quagmire I. Einstein had plenty of this. Period Nine with upfront crib placement. **NIVEK**
SO. E-6. Incomplete Columnar Tramp. Humorous help. Period Six political humorist quote. **LIFER**
SO. E-7. Gronsfeld. Ol of Palme quote. Period Seven. "the" appears four times. **OOBOO**
SO. E-8. Key Phrase. Advice. (nervous) Airborne travel sensible advice. **STAR SPOWLSE**
SO. E-9. Checkerboard. Circumspection. (thought) **MISCREP**
 Crib fits on second line. Solve as a Patristocrat by assigning letter to each digraph.
SO. E-11. Railfence. Don't believe everything. Six rails with offset of five. **WABBIT**
SO. E-12. Vigenere. All dressed up. Period Six with "the" appearing twice. **BRASSPOUNDER**
SO. E-18. Tridigital. Watch and react. (necessary) Digit "3" separator allows crib placement. **EL CONDOR**
SO. C-10. Addition. (No word, 0-9) Solution ends "QLT" **ICE CAP**
SO. C-13. Sudoku. (Three words *) Solution appears in bottom middle block of 9 x 9 matrix. **MANDRAKE**
SO. AC-1237. ???. Callow comedian. (APG) Difficult to fit "-ful) crib into plaintext. Alternative? **LIONEL**
 Sunny Ciphering, **LIONEL**