



Young Tyros Newsletter

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Editor – LIONEL@cryptogram.org

Staff – FIZZY

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*COPST – APEX DX

**XLI PIEZIW MR XVIIW KPMWXIR GSPSVJYPPC MR XLI EYXYQR FVIIDI.

*Contribution of Personal Solving Technique

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“Print-through” is a term I like to use for letter sequences, in natural or reverse order, that preserve their sequence order under simple substitution encipherment. The “NO” in a ciphertext word BWNIANO may well represent plaintext letters “de,” “rs” or “st” when coupled with sequential letters of common letter endings. A “JK” beginning of a ciphertext word, JKNP DANJ, can well reflect plaintext letters “de,” “hi,” “no” or “tu” in tandem with the well used second letter position vowel. TSBT could well yield “edge.” “Print-throughs,” like pattern words, call for testing out their relative merits and usefulness but it is surprising how often they represent a sound opening move.

** Poetic Caesar Cipher (Picture caption above.)

Cryptology Web Sites

<http://users.telenet.be/d.rijmenants/en/links.htm>

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Beauty of Mathematics Web site

[Beauty-of-Mathematics.pps](#)

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Free Code and Cipher Books

These publications are in our Young Tyro Library and are available to new Young Tyro members, free of charge. Send LIONEL, name, address, age and three Nom choices of the new member. You may select a book, or we will pick one suitable for age. Members less than twelve years of age will receive the bimonthly Junior Newsletter edition with cipher solving prize opportunities. Those twelve years and older will receive this Newsletter and its referenced constructions, upon request.

Alvin’s Secret Codes – Hicks

Cryptanalysis – Helen Gaines

Cryptography – Dwight Smith

The Mad Scientists’ Club – Brinley

Perplexing Puzzles – Martin Gardner

Fun with Secret Writing - Lamb

Crypto & Spygrams – Gleason

Codes and Secret Writing – Zim

Mathemagic – Heath

Picture Puzzles – Sam Lloyd

Invitation to Cryptograms – Williams

Codes, Secret Writing – Gardner

Find Out About Secret Codes – Beal

Mental Magic – Martin Gardner

Secret Code Kit – Slinky Inc.

Gimme A Break – JA Aristocrats (may be digraphs / trigraphs) (1) Unless otherwise stated ZANAC

A-1, its (2), th (3), the, A-2, and (2), the (2), A-3, all, the (2), A-4, from, ll (2), A-5, th (5), that, the, A-6, the (3), A-7, the (2), A-8, ill, the, A-9, th (3), the, A-10, en (2), which, A-11, the (2), A-12, you (4), A-13, er (2), re, A-14, th (2), the, A-15, P alliteration, A-16, the (3), A-17, ing (3), A-18, ing (3), A-19, ble (2), ion (2), A-20, struck, A-21, ig (2), ing, A-22, it (2), ty (2), A-23, ar (3), A-24, et (3), A-25, x (11)

JA Patristocrat Ciphers – (may be digraphs / trigraphs) (1) Unless otherwise stated ZANAC

P-1, the (2), you (5), P-2, look, the, P-3, the (3), P-4, the (3), P-5, and the, P-6, now (2), P-7, that, the (3), P-8, the (2), P-9, er (3), P-10, ll (2), ss (3), P-11, that, the, P-12, that, the (3), P-Sp-1, QIT = for, Q (5), P-Sp-2, er (3), re

- JA A-17. Snack time. (K2) (82)** **OZ**
 If your pattern word list has more than 12 words for JLSJYLAHR, you're in need of a better list. (Contact LIONEL)
- JA A-22. Medical care. K1 (76)** Look for building where medical care is provided. **DUMPSTER**
- JA P-10. Feathers fly. K2 (120/20)** Extend crib to "big bird." **WABBIT**
- JA X-7. Way way back... K2** Crib word "semper" should help. **GUNG HO**
- JA E-2. Variant. Dietary advice unheeded.** Lengthy keyword is a Humphrey Bogart film. **G-MAN**
- JA E-6. Redefence. Frustration. (urge to)** Five rails, sixteen letter opening plaintext word. **RIG R MORTIS**
- JA E-7. Portax. Digital vigilance. (machines)** **BOATTAIL**
 Check out URL http://home.comcast.net/~acabion/portax_test.html for Period length.
- JA C-7 Sudoku. (Two words*)** Solution appears backwards in one of last three rows. **DABASAP**
- JA C-12. Multiplication. (No word, 0-9)** **THE RAT**
 Two, four digit products are an indication that the first two digits of the multiplicand or the two digit multiplier are digits zero and one. "C" and "A" cannot be zero which leaves "U" as the most logical zero candidate.
- JA AC-961. 25 x 25 Sudoku (625) (Six words.)** **TWEETY**
 Don't be intimidated by this 25 x 25 matrix. Set it up, fill it in and see if you can sight read the column solution.
- SO X-9. Latin Null. They shall rise again. (nil)** **RIG R. MORTIS**
 Sight read this one. Note the letter position of the only consecutive ciphertext words with the three crib letters.
- SO E-4. Vigenere. On friends. (CHXYYX)** **DANEEL**
 Period fourteen.
- SO E-7. Keyphrase. Capital attraction. (sculpture)** **MICROPOD**
 Crib fits in only one place, leading to a many lettered State name. It's all down hill from there.
- SO E-8. Null. How much? (is)** **HONEYBEE**
 This is a nasty one. Let's extend the crib to "is not" and think in terms of pairs.
- SO E-10. Amsco. Suck it up. (minds-2)** **EL CONDOR**
 Period six or seven. First position of crib near front of plaintext.

Cipher Solving Lesson Plans

Aristocrat, Baconian, Bazerics, Checkerboard, Foursquare, Fractionated Morse, Kasiski Period Determination, Monome-Dinome, Morbit, Null, Patristocrat, Pollux, Railfence, Sudoku and Swagman. Send \$1.00 for postage and handling for each Cipher Type requested to Lee Melair, 1828 Howe Lane, Maple Glen, PA 19002-2915.

Sunny Cipherring,

LIONEL

cc: ACA Executive Board