



# Young Tyros Newsletter

June 2010

Editor – LIONEL@cryptogram.org

Staff – FIZZY

GGMA

ZANAC

\*COPST - CRYPTODOOD

Decree: No other month to begin on the same day of the week as June begins.

\*Contribution of Personal Solving Technique

Thanks to ZANAC for providing copy of the very first Aristocrat tip-offs, appearing in our ACA Cm of April 1932. (See Page three.) The tip approaches are still relevant entry paths into our Simple Substitution Cipher types and find their way into many of ZANAC's "Gimme A Break" contributions in our current Newsletters.

## And More Thanks

Thanks to ARTEMIS, FLEUR DE LIS, ODEZI and ZANAC for their contributions to our Young Tyros Library.

## \*Contribution Of Personal Solving Technique

## - THE LETTER 'H'

## CRYPTODOOD

The letter 'H', except when beginning a word, is usually preceded by one (or more) of a small group of letters, C, G, P, S, T and W. If you find that it is a 'G' then the letters preceding this 'GH' are usually 'I', 'OU', 'AU' or 'EI'. (Examples are fight, might, bough, tough, laugh, naughty, eight and neighbor.)

Finding the letter 'H' in a cryptogram is something that will happen to you very often. This is because one of the first words we try to find in a cryptogram is the word 'THE'. When you place that word you then replace other occurrences of those three letters elsewhere in the cryptogram. Usually the 'H' will appear in other words – when found, you have just a small group of letters to try to put in front of it. Exceptions do exist (beehive, toehold) but normally one of the above 6 letters will come before the 'H'.

Send us one of your personal pet methodologies.

## Free Code and Cipher Books

These publications remain 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. We will select a book suitable for age, or you may pick one. Less than twelve years of age members will receive the bimonthly Junior Newsletter edition.

*Alvin's Secret Codes* – Hicks

*Cryptanalysis* – Helen Gaines

*Cryptography* – Dwight Smith

*Fun with Secret Writing* - Lamb

*Crypto & Spygrams* – Gleason

*Codes and Secret Writing* – Zim

*Invitation to Cryptograms* – Williams

*Codes, Secret Writing* – Gardner

*Find Out About Secret Codes* – Beal

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

A-1 a-1, the (4), of/for, you (3), who, A-2 the(3), if/of/file/line, A-3 the (2), that/is/ others, to, you (2) A04 it is, to, go, the (3) , one's, steps, Virgil, A-5 of, for, no, not, the, to, A-6 a, on, to, and, is (2), ion, ing, A-7 a, "P's and Q's," to (2), ,not, the (3), letters, A-8 what?, do, ,to, word, words, dresser, assess,.A-9 the (2), to, of, everywhere, A-10 is, ,the, "Howard Roark," A-11 the (2), than, to ,of,.A-12 people, enjoy, others, with, singing,. A-13 in, no, of, form, be, by, any-2. A-14 the, this, \*N\*A\*S\*A, gem, gimmicks. A-15 a (3),"is a," it, tales, elf, golf (2), ball (2), "farmers are all ears at". A-16 I, if ,it (2), for, people, A-17 green energy, ,algae, A-18 on, to, in, now, went, fish, fast-food, A-19 wish, with, wife, wine, won't, A-20 a (2), with, ,that, the, match, metallic, "is one of the" A-21 lucky, ducky, truck, stuck, tricks, into, in, A-22 sari,\*Mata \*Hari \*Krishna. A-23 of, on, float, fictional, fountain, A-24 "aw" (repeats), awkward. A-25 neath, lengthy, therapy, after, orphan.

**MA Patristocrat Ciphers – (may be digraphs / trigraphs) (1) Unless otherwise stated ZANAC**  
P-1 the (7), P-02 the (2), that, you (2), P-3 our, you've, in, sign, P-4 the (2), th (4), P-5 is(3) ,it (2),in, on, that,  
the, th (4), P-6 a (3), the (2), P-7 that, the, to (2), you (2) P-8 and (2), the, P-9 the (5), P-10 the (2), of (2),  
P-11 pig, that, when, P-12 high, was (2), P-Sp-1 for (2), put, P-Sp-2 the (3), top.

**MA X-7 ???? About truthfulness. SUSSI**  
Don't let the constructor's nationality be a Red Herring on this unknown Xenocrypt. It is a language that is very close to Italian. Seek the truth.

**MA E6. Tridigital. Creative haven. (artists) EL CONDOR. (Analyst GGMA)**  
The crib "artists" is located at 0127626. Keep in mind is that 0 can also represent another high frequency vowel, so the previous word 2172016 could be ?RIT?RS. Ponder upon the creative havens in the world.

**MA E-8 Slidefair. What a tangled web! (acripple) Period 8. OZ Analyst GGMA**

**MA E-9 Double Checkerboard. Caribbean cruise. (bottleofrum-2) SCORPIUS Analyst GGMA**  
Robert Louis Stevenson, classic. Vertical and horizontal keys – BLACK, SPOTX, FLIRT, SHONE

**MA E-24 Two Square. Quality not quantity. (alwaysreflect) BION Analyst GGMA**  
Locating the crib location for this con is difficult, given that we have no duplicate digraph pairs. This makes for a very long list of possible locations. Fortunately, a reversal reduces the list to 3. The reversed digraph is SR.

**MA C-14 Duodecimal additions. (Two words, 0-1) APEX DX**  
The letter Q is usually followed by a U, followed by a vowel which yields QUA, QUE, QUI or QUO.

**MA AC-946 Inc. Columnar Transposition. Period 16. (they have pressed us) EL CONDOR Analyst GGMA**

**MA AC-947 Quagmire III. Period 8 (its name comes from the term) THE RAT Analyst GGMA**

**MJ A-21. Headline maker. K4. (93) REAL NEO**  
First and fifth words contain seven of the same letters, Plaintext s, u and t = positions 3, 5 and 8 in each word.

**MJ P-12. Better than Nostradamus. K4. Plaintext contains early U.S. President. EL CONDOR**

**MJ X-10. Afrikaans Quagmire II. Google a famous Civil War Address in Afrikaans. LIONEL**

**MJ E-1. Railfence. Truth or Consequences. Four rails, you find the number of offsets. RIG R MORTIS**

**MJ E-2, 3, 5 and 6 = Periods 6, 8, 12 and 14, respectively. ALCHEMYST, LINB, ANAPEST, FLYBOY**

**Cipher Solving Lesson Plans LIONEL**  
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 Ciphering, LIONEL cc: ACA Executive Board

## ARISTOCRATIC TIP-OFFS (Cm April, 1932)

No.1. Mrs. McKeown, recently appointed Honor Committee Chairwoman, sends her report in code. This lead-off crypt contains many clues that beginners know. For instance, there is the three letter word, STA, used four times. Compare this word with RUST and TAWA'K (note the apostrophe). EM and MEW offer another clue, leading to word one. With these letters known, other groups will suggest themselves.

In No. 2, beginners will do well to compare the short words, R. RJ, RN, JL, JOB!, JOBRG, PH and HRIL. Note that R. the one-letter word, can be either A, or I, noting that RJ and RN come together, identifies which.

No. 3 likewise offers short words to compare. GA, GE GB, AF and BFZ (notice the suffix '..EGFI) will provide entry to word two. Comparison of EQVI and CQHE is another good forcing place.

Plantagenet's crypt can be broken easily through comparison of suffixes and prefixes. Compare the endings UJB, GUMLY and the prefix AMJ. Attention to the suffixes -UMKF and UMKFVR will net you enough letters to finish identification of any word in the message.

The use of Q as final letter in Joe's crypt should help you identify the ending - RKQQ, leading to complete decipherment of word three. Progress through words four, five and six.

In No. 6, EKY, the suffixes -EUFH and DHI (notice the latter follows a comma) give you all but four letters of the last word. Use IF and UE as checks. The ending -YJ (used twice) is also a weak spot, leading to word six.

The excessive use of symbol X in No. 7 and the fact that it is doubled in word two should identify it. Compare IX and VXI; XG, LXG, EL and LEXZ; QXW and QXWG.

Aunt Het's crypt contains four words that offer comparison; ABC, GBE, AE and GNABEFA. Letters obtained in these words will lead to word nine. No. 9 offers clues in CAX compared with YBCCYX, progressing, then, through CZYY, AZBY, JU, UWPS and ZGJWDI.

Tabby's crypt weakness in groups JX'A, (notice the apostrophe) XQ, LKQ, LVUX, HTVM and word two.

Silvertip offers for clues in No. 11 the endings \_CGN, \_CZG, \_RLCG and - RI, GR. Having ascertained the identity of these suffixes, proceed through groups four, six and eleven.

In No. 12, the apostrophized group J PU'G and the common pattern word, GZDG, offer comparison with GZFT. Next, try for the capitalized first word.

Leo Arthold leaves an opening in his crypt through the suffixes - KUJ and - LKDU. (Note that symbol L is used twice as a final letter and is thus obtained will give you all but the first and third letters in word six, and word five is suggested by the context.

In No. 14, by Beau Ned, the symbol 0 can be identified by its use both as initial and final letter. The digraph, PM is also susceptible to attack. The liberal use of symbol B as final letter might lead you to words one, fourteen, sixteen, nineteen and twenty.

Dizzy has concocted what looks like a headache. He has used every letter in the alphabet, and therein many a solver may find some hope. Perhaps the use of symbol 0 will appeal to the many solvers who believe in spotting a certain letter by its penultimate position. Having found this letter, you might get somewhere through comparison of words ten and eighteen.

A short cut to solution of No. 16, might be in guessing the suffix...CXJ, (used in the first word!) and then taking your dictionary—you'll need more than the pocket edition— try to find that long seventh word, of which you have the reversed - CXJ. Word five can also be attacked with success.