



Pencil and Paper Solving.

RISHU

There is no better learning process of determining how a cipher is put together than solvers becoming aware of the construction process. *The ACA and You Handbook* is a precious source of describing how a construction is put together and provides insightfulness to the process of taking it apart. Cm column editors may not be too happy to be aware that a great disservice is being done to novice constructors in supplying an automatic construction program with which to submit constructions.

Beginning solvers are not being given the opportunity to learn the construction process by manually preparing their construction submissions. Ease of reviewing and submitting constructions is a steep price to pay in taking away one of the best novice solving learning opportunities with the manual cipher construction process.

The Joy of Pencil and Paper Solving.

The Cm cipher title and cited common trigraph cribs provide extensive openings to employ the computer research tools at our disposal to unveil stores of input and knowledge of the world around us while working on the solving process with pencil and paper to uncover additional cipher plaintext. A path to a decipherment process using title information follows:

MA 2025. P-5. Evolution of Antikythera. K2. (97/20) (VYYH)

SILCO

A Google search of the title of this Patristocrat construction produces “The Antikythera mechanism evolved from a concept that may have originated in Corinthian colonies, built using theories developed by Greek astronomers in the second century BC.” It was discovered in 1901 and is considered the world's first analog computer; which leads us to much of the plaintext in this MA 2025 construction solution: The advent of electronic computers has arguably been the most revolutionary development in the history of science but the Antikythera mechanism is the very first analog computer.

The Tyro Tutorial

This is available at our ACA web site under Resources. It describes the solution process to some thirty different cipher types, a comprehensive listing of Null Variables by BION and the use of Google as a solving tool.

ZANAC's Gimme a Break – MJ Aristocrats (may be digraphs / trigraphs)

A-1, you (3), A-2, that, A-3, that, A-4, the (2), A-5, that, A-6, what (2), A-7, Mary, A-8, the (3), A-9, who (2), A-10, people, A-11, the (3), A-12, the (3), A-13, it (2), A-14, the (2), A-15, I (5), A-16, you (2), A-17, the (2), A-18, the (3), A-19, every, A-20, that, A-21, the (2), A-22, the (2), A-23, and, A-24, ight (3), A-25, P alliteration, V = e.

ZANAC's Gimme a Break - MJ Patristocrats (may be digraphs / trigraphs)

P-1, I (3), P-2, you (3), P-3, ing (2), P-4, ing (2), P-5, the (3), P-6, and (2), P-7, Begins, Higgs, P-8, intelligence, P-9, the (4), P-10, the (4), P-11, you (3), P-12, thirteen (2), P-Sp-1, B alliteration, P-Sp-2, G alliteration.

MA.A-24. Long plunge. K4. Alliteration uses plaintext “d.” “deep” **BION**

MA. P-10. A Page turner. K2. (QLINY) **RIG R. MORTIS**
 Begins with name of English philosopher (first name, second name, last name, followed by crib placement)

MA. X-5. Spanish K-2. Stay humble. (abajo) (English key) Plaintext begins, “Un hombre” **AILUROPHILE**

MA. X-Sp-1. German Numbered Key. The moon. PARROT: Plaintext begins, “Der mond” **BION**
 PARROT: Crib extension: mildes lient und streutzauberuebers

MA. X-Sp-2. Spanish Unknown. Can’t remove the past. (English key) PARROT: Quagmire III. **BION**
 PARROT: Crib placement at position 33.

MA. E-6. Checkerboard. Room with a view. (begins) Plaintext begins, “Where the” **LIONEL**

MA. E-14. Bazerries. Medical breakthroughs continue. (-CMYJNCW) Begins, “In ancient” **RIG R. MORTIS**
 MSREP: Key begins in six hundredth thousandths

MA. E-19. Tri-Square. Insect extremes. (Ends: underthebarkoftreesorbeneathrocks) **THE DOC**
 MSCREP: Plaintext begins, “Equipped with super tough”

MA. E-20. Playfair. Not so dangerous curves... MSCREP: Begins, “When learning a new” **SCRUFFY DOG**

MA. E-21. Syllabary. Magnificent. (on a blue background) PARROT: Begins, “To make the barn” **CONFUOCO**

MA. C-9. Additions. (One word, 0-9) T = 0, L = 5, C = 8 **SHMOO**

MA. C-12. Undecimal Equations. (No word, 0-A) F = 1, W = 7, K = 9 **GGMA**

MA. C-14. Base 14 Equations. (Two words, D-0) Seven letter words. G=D, C =7, M=6, Y=0 **WORD WIZARD**

MA. C-Sp-1. Multiplication. (Two words, 9-0) First word, six letters. E = 8, S = 4, B = 1 **FOMALHAUT**

MA. AC-1394. Grandpre. Terrorism. PARROT: Ext. crib: “the material and means to engage that” **CONFUOCO**

MA. AC-1395. Tridigital. Anti-democratic. PARROT: Crib, “ideology” Separator = 2 **THE RAT**

MJ. A-24. Poetic reflection. K4. Plaintext begins with the similar opening of a Country’ National Anthem. **LIONEL**

MJ. A-25. Fowl play? K2. Plaintext begins, “Phlegmatic” **CTHULHU**

MJ. P-11. No joke. K3. (FCZY) Construction about getting old. **XAMAN EK**

MJ. P-12. Keyword recovery 2, K3. (PYLS) Plaintext begin, “Odd shift” **DOPEFISH**

MJ. X-2. Afrikaans. Simbole. K2. Plaintext begins, “Van die” **DONSIE**

MJ. X-3. Portuguese. Infects the soul. K2. XCUQNDLO = infectam. **SHMOO**

MJ. X-5. Italian. The necessities of a career. K2. (avere) Plaintext begins, “Una Donna” **SHMOO**

MJ. X-6. Norwegian. Big and small things. K2. VHKVXNNIR = forfatter **OBOO**

MJ. E-1. Complete Columnar. Too quiet.(JFCH) Plaintext begins, “Silence” **ICECAP**

MJ. E-2. Amsco. Stealthful operations. (MBCJM) Plaintext begins, “Seen” **MANDRAKE**

MJ. E-4. Nihilist Transposition. Old British computers. (YFYWNLIH QYLY) **SHMOO**
 Much plaintext can be generated with Google search of old British computers.

MJ. E-5. Pollux. When we get older. (WIOLMY) Separators, 0, 1, 3. Plaintext begins, “Of course” **ICECAP**

MJ. E-6. Swagman. In the background. Crib extension, “most critical” Period Four. **BION**

MJ. E-8 Baconian. Details matter. (VCA) Parrot: Crib in ciphertext. Plaintext begins, “The” **AILUROPHILE**

MJ. E-9. Key Phrase. Small nation, long name. (was the) EWC OAE = was the. **WORD WIZARD**

MJ. E-11. Redefence. Fascinating equality. (MKOULY) **WORD WIZARD**
 Try it: The sum of the cube

MJ. E-14. Vigenere. Ocean Scene. (ZUHAYXDUQ) Period Eleven. Plaintext begins, “In the” **BION**

MJ. E-17. Beaufort. Discouraged skill. (UGIOHN) Period ten. Plaintext begins, “Given” **BION**

MJ. E-18. Bifid. Fresh eyes. (XIQ HVSIZZC WCUFM) Period Seven. Plaintext begins, “A fish” **THE DOC**

MJ. C-1. Square Root. (No word, 1-0) M = 1, E = 6, T = 9 **ARIES**

MJ. C-8. Equations. (Three words, 1-0) P = 4, D = 7, S = 0 **APEX DX**

MJ. C-13. Duodecimal Division. (Two words, 0-1) T = A, R = 6, G = 3 **LI’L GAMIN**
 Sunny Ciphering, **LIONEL**