



JF 2022 Baconian Crib Dragging – Page Three

APEX DX

The following items are available free.

Results of a 1990 review of a paper written by Andrew S. Peck titled “Francis Bacon Tudor equals William Shakespeare and a review by former ACA member, Richard S. Huntzinger (RISHU).

Beale Papers (Free)

The Beale ciphers (or *Beale Papers*) are a set of three cipher texts, one of which allegedly states the location of a buried treasure of gold, silver and jewels estimated to be worth over US \$43 million as of January 2018. Comprising three cipher texts, the first (unsolved) text describes the location, the second (solved) ciphertext the content of the treasure, and the third (unsolved) lists the names of the treasure's owners and their next of kin.

Universal Phoebe Circular Cipher Slide by PHOENIX and HONEYBEE. (Free)

Useful for Beaufort, Gronsfeld, Porta, Portax and Vigenere type cipher solving.

The Code Book by Simon Singh on CD-ROM. (FREE)

An interactive version with animations, encryption tools, video clips, mathematics and a virtual Enigma machine.

The Tyro Tutorial

This is 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, the use of Google as a solving tool and Affine & Hill cipher types to stimulate and interest young minds in the mathematical process.

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

Baconian Cipher – Gallup *Break the Code, Cryptography for Beginners* - Johnson

Codes & Ciphers – Ashton *Cryptographic ABC's* – B. Natural *Glossary of Cryptography* - Shulman

Pioneers in Cryptology - NSA *Problem Solving* – R. Masterton *Secret Codes and Messages* – Beal

World's Only Enigma Stamp – 50th Anniversary Commemoration of Polish Mathematicians Breaking of Enigma

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

A-1, the, A-2, the (2), A-3, the (4), A-4, that (2), A-5, you (2), A-6, poet, A-7, you (2), A-8, the (2), A-9, that, A-10, the (2), A-11, and (2), A-12, is (2), A-13, attack, A-14, you (2), A-15, the (3), A-16, the (2), A-17, ion (2), A-18, that, A-19, into, A-20, the (3), A-21, the (2), A-22, that, A-23, the (2), A-24, 10 and 11 letter pattern words, A-25, Weird plaintext words include zydeco, crwth and vizsia.

ZANAC's Gimme a Break - MA Pristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

P-1, did, P-2, in (4), P-3, chance (2), P-4, the (2), P-5, you (2), P-6, the (2), P-7, you (2), P-8, UNVWXMH=forbade, P-9, the (2), P-10, that, P-11, XWNJZ=power, P-12, ZBILS=ivory, P-Sp-1, f - alliteration, P-Sp-2, C – alliteration.

JF-1. Ornamental Xenocrypt. Baudot. (rara) Google, Baudot code and solve as a Patristocrat. **SILCO**

JF-5. Italian Aristocrat. Good people needed. K2. English key. (diventa) Il-3. **WORD WIZARD**

JF-11. Ragbaby. Mother Teresa quote. (together) Begins "None" **WORD WIZARD**

JF-13. Key Phrase. Showy collaboration. (traditional, castell) Proper noun = Catalonia. **BECASSE**

JF. A-24. Aristocrat. Two left feet. K2. Proper noun crib, "Galapagos" **SHMOO**

JF. P-Sp-1. Patristocrat. Special Agenda. K3. (QCNB) "T" alliteration. **ARDUINNA**

JF. X-8. German Pat. From a Weber chorus. (gruenen) PARROT: Begins "Was gleicht" **WORD WIZARD**

JF. X-12. Italian Quag. III. Dominant. (nondalattenonfa) English keys. PARROT: Begin "L'uomoe" **THE DOC**

JF. X-Sp-1. German Key Phrase. Schuh kleiner. (shusters) English Key. Begins "Schmieds" **LIONEL**

JF. E-7. Amsco. Word problem. (howoldis) Period Eleven. Begins "The" **BION**

JF. E-11. Grandpre. Happy Valentine's Day. (complimentary way) MSCREP: Begins "The kiss" **CONFUOCO**

JF. E-12. Numbered Key. Definitely not cats. (pooch population) MSCREP: Begins "By far the most" **ICECAP**

JF. E-15. Ragbaby. Quintessential scientist. (energy) PARROT: FSHBAK = energy. (Einstein) **WORD WIZARD**

JF. E-19. Tridigital. Imagination. (dream-2) Space-9. (who-2) Begins with popular 3 letter trigraph. **CEREDWYN**

JF. E-20. Swagman. On living. (stars) MSCREP: Stephen Hawking quote. Begins "One, remember" **DANEEL**

JF. E-21 Condi. Our world. (we can understand" Begins "We are just" Stephen Hawking quote. **MANDRAKE**

JF. C-9. Additions. (Two words, 0-9) Check out LOSHM, supposedly relating to Instagram and Twitter. **BION**

JF. C-11. Addition. (No word, 0-9) Y = 0, K = 5, H = 9 **ALCIBIADES**

JF. C-14. Division. (Two words, 9-0) First word, seven letters, beginning with M, ending with L. **LI'L GAMIN**

JF. AC-1306. ??? More than information. PARROT: Begins "To read a" **EL CONDOR**

JF. AC-1309. Quagmire III. (sedconstruction) PARROT: Period Nine. Crib at position 127. **BION**
Plaintext begins "Ancient Romans"

JF. AC-1310. Diamond Turning Grille. MSCREP: Begins "Billy Martin" **MANDRAKE**

MA. A-23. Aristocrat. Pegasus has nothing on this. K3. Presidential like transportation. **TSIOLKOVSKY**

MA. P-12. Advice from an expert. K3. Cryptology reference. **PELKABO**

MA. X-3. German Aristocrat. Ancient Olympics duration. K2. (einen) (English Key) **SHMOO**
Plaintext begins "Die olympischen"

MA. X-7. ??? K2. Battle. Crib: "gladiator" **LIONEL**

MA. X-8. French Patristocrat. K2. A "Great Hellenistic Structure. Crib "circulaire" at position 34. **SHMOO**
Plaintext begins "Le Philippeion"

MA. X-9. Spanish Amsco. Individual. (cuenta) Period Six. Begins "Uno esta" **THE DOC**

MA. X-10. French Beaufort. Pas de regrets. (toute) Period Eight. Begins "Exp-" **THE DOC**

MA. E-1. Complete Columnar Tramp. (BIFYCHIHY) Period Eight. Begins "The" **DOPEFISH**

MA. E-3. Railfence. It's not speed that matters. (FIHA) Four rails, four offsets. **SCRUFFY DOG**

MA. E-6. Quagmire I. Name's source. Period Nine. Ext. crib, position 37, "proteinthatadorntheirsurface" **BION**

MA. E-7. Amsco. Riddle. (four) Period Seven. Begins, "What" **BION**

MA. E-10. Beaufort. Sixty-three football fields. (woman) Period Six. Begins "A woman" **ZSA**

MA. E-14. Null. Electronic age panhandler. (for) All plaintext letters follow same ciphertext letter. **H20**

MA. E-25. Two-Square. Ultimate compliment. Extended crib: "what they become by it. John" **LIONEL**

MA. C-6. Additions. (One word, 1-0) Solution begins "Phag" **ACHAMP**

MA. C-10. Addition. (No word, 0-9) Solution begins "YDLO" **ALCIBIADES**

MA. C-11. Duodecimal Square Root. (Two words, 1-0) Five and Seven letter words begin YA and BU. **ARIES**

MA. C-13. Base 13 Division. (Three words, 1-0) Solution ends "USED IT" **FUNERALLY**

Sunny Cipherring, LIONEL

The following text exhibits the crib dragging process of the Baconian Cipher.

The January-February, 2022 Cm presented the E-2 Baconian Cipher with the crib “good.”

To obtain the correct placement of the plaintext crib “good” in this ciphertext we must determine that the Baconian alphabet letters in the crib “good” are identical to the Baconian alphabet letters in each of the ciphertext letters which represent the plaintext. An example of how this is done is illustrated below:

<u>g</u>	<u>o</u>	<u>o</u>	<u>d</u>	<u>Conflict</u>
aab ba	abbab	abbab	aa abb	
GROW L	EQUAL	LINBS	SWINE	W

We then determine if any of the cipher construction letters represent different Baconian alphabet letters. Ciphertext letter W, cannot represent both a Baconian “a” and “b,” thus we label it a conflict, indicating the crib can not be placed beneath this ciphertext. Let’s continue examining all plaintext and ciphertext relationships until we can find a placement without a conflict; conflicting ciphertext and plaintext Baconian “a” and “b” letters shown in red.

<u>g</u>	<u>o</u>	<u>o</u>	<u>d</u>	<u>Conflict</u>
aab ba	abbab	abbab	aa abb	
E QUAL	LIMBS	SWINE	AXIOM	E
L I MBS	SW I NE	AX I OM	ACORN	I
SWINE	AXIOM	ACORN	T ROUT	T
AXIOM	ACORN	T ROUT	SHEEP	T
ACORN	T ROUT	SHEEP	GROVE	T
TROUT	SH E EP	GROVE	COLTS	E
S HEEP	GROVE	COL T S	HOVEL	S
GROVE	COLTS	HOVEL	GRASS	NONE
COLTS	HOVEL	GR ASS	VENOM	S
HOVEL	GR ASS	VENOM	ZEBRA	S
GR ASS	VENOM	ZEBRA	CODAS	S
VE N OM	Z E BRA	CODAS	HORSE	E
Z E BRA	CODAS	HOR S E	FRUIT	E
CO D AS	HO R SE	FRUIT	CH O KE	O
HO R SE	FRUIT	CH O KE	BERRY	O
FRUIT	CH O KE	BERRY	C HICK	C
CH O KE	BE R RY	CHICK	GRAIN	R
BERRY	CHICK	CRAIN	ENJOY	Y

Indicate Baconian letters for ciphertext letters from non-conflict crib placement line and substitute for construction ciphertext letters.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
a	a	a	a	a	a	a	a	a	b	b	b	b	b	a	a	a	b	a	b	a	b	a			