



# Young Tyros Newsletter

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Another JAMIE disk solving success.

COPST - Contribution of Personal Solving Techniques

**COPST – ND.2017 E-24 Foursquare crib placement routine.**

**MANDRAKE**

See page three.

## **COPST - JAMIE SOLVING DISK**

**JAMIE**

We remain in possession of some half a dozen JAMIE solving disks which JAMIE made available to attendees of the early gatherings of the ACA Eastern Mini Cons. The disk is an interactive solving tool which contains nineteen cipher solver and enciphering tools which many members have used for their solving and construction progress. The disks are a floppy variety which can be converted to CD's.

## **Practical Cryptanalysis – B. NATURAL - Cryptographic ABC's**

### **ZEMBIE – Bifid Cipher**

## **Tyro Tutorial Free E-Mail Offer.**

**LIONEL**

Tyro Tutorial (148 pages) by LIONEL, fundamental cipher solving processes of some thirty different cipher types.

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

*Bi-literal Cypher of Francis Bacon* – Gallup    *Codes, Secret Writing* – Zim    *Games to Go* – Gladstone  
*Glossary of Cryptography* – Shulman    *Invitation to Cryptograms* – Williams    *Problem Solving* – R. MASTERSON  
*Secret Codes & Ciphers* – Kohn    *Top Secret* – Janeczko    *Xenocrypt Handbook* - PHOENIX

## **ZANAC's Gimme a Break – MA Aristocrats (may be digraphs / trigraphs) (1) unless otherwise stated**

A-1, you (3), A-2, the (2), A-3, you (2), A-4, you (4), A-5, that, A-6, and, A-7, ing (2), A-8, the (2), A-9 (4), A-10, ing (2), A-11, the (2), A-12, the, A-13, the (4), A-14, the (3), A-15, and (2), A-16, y=5, A-17, names (2), A-18, the (3), A-19, vowel (2), A-20, e (11), A-21, nd (4), A-22, e (9), A-23, the (3), A-24, and, the, A-25, UI=bo.

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

P-1, the (2), P-2, that (2), P-3, the (3), P-4, the (3), P-5, no (4), P-6, you (2), P-7, when (2), P-8, ing (2), P-9, athlete (2), P-10, general (2), P-11, you (3), P-12, the (3), P-Sp-1, VPNF = sham , P-Sp-2, dummy.

**MA Patristocrat note** – Five of the ten MA Patristocrats between P-3 and P-12 begin with the most common three letter word we are acclimated to seeing in the English language. When stuck upon solving a tough Patristocrat construction, it makes much sense for us to try this trigraph as a plaintext start.

**JF-2. Null. Vermont, (264509)** Digital key relates to JF-1 keyed digits, 0-1, starts at end of third CT line. **BECASSE**

**JF-3. Baconian. Wrapped in two slices of bacon. (912, 7835)** **BECASSE**

Two Baconian solutions. Digital key again relates to JF-1 keyed digits, 0-1. (two, five)

**JF. A-25. Horrendous happening. K2.** Second plaintext word a synonym for "hairy." **LE CRAPAUD**

**JF. P-11. Valentine's Day. K4.** UYGAH = Roman God of love. **TSIOLKOVSKY**

**JF. E-6. Baconian. Edgar would have loved it. (group)** Crib placement begins at second ciphertext group. **ARIES**

**JF. E-8 Ragbaby. But which are which? (terrible)** Begins with common three letter trigraph. **MSCREP**

**JF. E-9. Grandpre. Spies. (been penetration)** Crib placed near end of second line. Common trigraph start. **OBOO**

**JF. E-10. Key Phrase. Longevity matters. (listen)** NNESRN crib placement. Plaintext begins: "Only" **REAL NEO**

**JF. E-12. Monome-Dinome. Me and my shadow. (little)** Begins "I only" **MANDRAKE**

**JF. E-13. Grille. And that pays well. (become)** PARROT: Cowboy humorist quote. **OZ**

**JF. E-15. Fractionated Morse. Talk about sports.** MSCREP extended crib "the player lies" pos. 110. **PARROT**

**JF. E-16. Amsco. From here to there.** Period 9. Expanded crib "which he can get from" at position 51. **ICECAP**

**JF. E-19. Bazerics. Wrote satirical songs. (textbook)** MSCREP offers key crib: 23\*\*\*\*\* **WORD WIZARD**

**JF. E-20. Bifid. A full figured woman.** Parrot: Extended crib "armchairs tight about" placed at position 98. **G-MAN**

**JF. E-23. Gromark. Ouch.** MCREP provides extended crib "Hildegard of Bingen" at position 42. **CRUX**

**JF. E-24. Incomplete Columnar Transposition.** MSCREP: Columns 4, 5, and 10 are the short columns. **BION**

Ciphertext posted vertically. POGO advises: Period 13, crib "physics" appears in second row of plaintext.

**JF. E-26. Tridigital. What is really important. (master) (X = 4)** **CAGEY KIWI**

PARROT Red Herring Alert: X = 4 crib keyword significance, need not pertain to each plaintext word. Opening plaintext "Possibly".

**JF. C-9. Addition. (No word, 0-9)** Key non-word begins "ETS" **ALCIBIADES**

**JF. C-Sp-2. Undecimal Multiplication. (Three words, 1-0)** First keyword "FROM" **THE DOC**

**JF. AC-1184. ??? Keeping control.** MSCREP advises as Period 14 Nihilist Sub beginning "As..." **EL CONDOR**

**MA-1. Ornamental. Modern version of ancient cipher.** **WORD WIZARD**

HONEYBEE warns us in *Over the Desk* "Do not overthink." Explore the most basic cipher type we may know.

**MA-4. Null. Alexander Pope on Vermont speech. (is)** Same letter position in each ciphertext word. **G-MAN**

**MA. A-23. Tyger. K4. (100)** Google title for plaintext help. **EL CONDOR**

**MA. A-25. It's not a Xenocrypt, I swear. K3 (96)** **FUNERALLY**

FUNERALLY advises: Look up ciphertext VIWWOTTJPT in a pattern word list or pattern-matching website such as <http://design215.com/toolbox/wordpattern.php>.

**MA. P-12. Been hopping for a while. K4. (96/19) (BUPY)** Seasonal hopper in plaintext. **TSIOLKOVSKY**

**MA. X-7. ???? Wise women. (84) English key.** Track constructor's language history. Playwright quote. **JUDE**

**MA. X-8. Latin Patristocrat. K1. Speaking about issues.** Crib at position 40. Plaintext begins "Veni" **ARDUINNA**

**MA. X-9. French Incomplete Columnar. (peux-2)** Period Eight. Plaintext begins "Ne" **THE RAT**

**MA. E-1. Null. Welcome new members.** Check vertical listing of ciphertext. **STAR SPOWLSE**

**MA. E-3. Complete Columnar Transposition. Don't worry, be happy. (ability)** Period Six. **MSCREP**

**MA. E-5. Route Transposition. Irish Blessing.** Period Six. Diagonal in, column out. **LIFER**

**MA. E-6. Morbit. It takes experience. (with)** Crib placement at position 35, second pass. **REAL NEO**

**MA. E-9. Redefence. A word to the wise. (three)** Five rails, no offsets. **APEX DX**

**MA. E-13. Incomplete Columnar Transposition. (fight)** Period Nine. **CILLBIPHER**

**MA. E-22. Vigenere. Wedded bliss.** Period Seven. Crib "marry" **DANEEL**

**MA. C-10. Duodecimal Division. (Three words, B-0) STA = BA9** **LI'L GAMIN**

**MA. C-12. Duodecimal Square Root (Three words, B-0) KIN = BA9** **ARIES**

**C-14. Duodecimal Multiplication. (Three words, 0-B) TWI = 012** **BIONMA.**

**AC-1190. Fractionated Morse. And justice for all.** Extended crib "which they obey" Begins "The" **LIONEL**

Sunny Cipherring, LIONEL

LOCATING CRIBS IN FOUR SQUARE CONS.

MANDRAKE

Here is a simple technique that usually reveals the location of the crib in a FourSquare con. First, write the crib in each of its two formats as below. Then identify each of the cells that the related CT letters will be found in. For example, the related CT letters for pt AS are square 3 in CT1 and 16 in CT2. For pt AN, they are cell 3 in CT1, and cell 11 in CT2.

FourSquare.xls ND2017-E24

DID HE CHOOSE CORRECTLY?

1	2	3	4	5	6	7	8	9	a	b	c	d	e
A	S	A	N	A	M	E	F	O	R				

1	2	3	4	5	6	7	8	9	a	b	c	d	e	f	g
?	A	S	A	N	A	M	E	F	O	R	?				

PT1

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

CT1

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

PT1

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

CT1

7	5	13		
	9			

PT1

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

CT1

			9	
5				7
3				


PT2

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

				8
46				
2			a	

PT2

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

8	46			
a				

PT2

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

CT2

PT2

CT2

PT2

CT2

PT2

When all of the CT cells have been identified, look for doubled CT letters, such as 1 and 3 in cell 3 of CT1, and 4 and 6 in cell 11 or CT2. Now drag the cribs through the con to see if you can find either pattern in the CT. Sure enough, we find that positions 1 and 3 have a CT "A" under them, and 4 and 6 have a CT "G". We have located the crib and can try to solve the con.

										AS	AN	AM	EF	OR								
LI	DG	UI	FC	UC	TT	ND	RM	MR	BM	YT	SM	AP	AG	HG	CF	IT	DA	QC	EC	OI	RR	
												12	34	56	78	9a						
HU	BM	AD	SR	BT	PM	AP	CC	TH	KD	EC	OH	AU	RB	LA	AO	QA	RD	RL	KR	DK	HU	
RE	MN	TT	ND	GD	PQ	ZM	QO	ZM	RU	CE	MC	PL	CG	KP	HG							