

## Young Tyros Newsletter October 2017

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Staff - APEX DX ARDUINNA MSCREP

JA E-7 Turning Grille Solution Process

**COPST - Contribution of Personal Solving Techniques** 

## **August Newsletter Errata**

**STRONGLIKEBULL** 

JA A-24 begins "Maniac." JA X-8 should be identified as Spanish Patristocrat. JA E-13 Gronsfield is Period Nine.

**Solution of JA17E07 Grille**: Plaintext Identical to E-1 Complete Columnar. **YTAHA DDETL YOELS RRLSO AEOAM.** [SIA = Solve It Again]

**APPLE JACK** 

[For credit, which Grille squares are open? Numbered 1 to 25.]

## **COPST - Contribution of Personal Solving Techniques**

**MSCREP** 

It is essentially assumed that you have already solved E-01 and that you are aware that the plain text is "They say all roads lead to Rome". You will never get a better Crib than this! To get credit for a SOL, the column editor wants you to provide the grille pattern (i.e., the grille key) for the E-07 CON. Let's first place the cipher text into a 5 x 5 matrix and provide a key for the matrix position numbering.

Cipher Text	Position	ID			
Y Т А Н А	01	02	03	04	05
DDETL	06	07	08	09	10
YOELS	11	12	13	14	15
R R L S O	16	17	18	19	20
A E O A M	21	22	23	24	25

Our next task is to pick a pattern for the grille. Since the pattern will be rotated into 4 positions and the plain text is 25 characters long, the number of letters in the pattern must be 25/4 = 6.25 = 6.

Since the central position (13) is also the center of the grille rotation. This position will therefore be rotated into itself. The central character ('E') cannot be part of the grille pattern. It will either be ignored (Sometimes for odd size grilles a central 'X' will appear) or used in one of the 4 grille positions to fill out the message.

Follow through to solving completion on page three.

## Tyro Tutorial Free E-Mail Offer.

LIONEL

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

**ZANAC's Gimme a Break – SO Aristocrats (may be digraphs / trigraphs)** (1) unless otherwise stated A-1, the, A-2, I (2), A-3, in (4), A-4, a (3), A-5, the, A-6, ing (2), A-7, the (5), A-8, the (2), A-9, the (3), A-10, the (2), A-11, in (2), A-12, the (2), A-13, and (2), A-14, his (2), A-15, my (2), A-16, and, A-17, the (4), A-18, the (3), A-19, the, A-20, the, A-21, the, A-22, cadent, A-23, view, A-24, a (8), A-25, fake.

**ZANAC's Gimme a Break - SO Patristocrats (may be digraphs / trigraphs)** (1) unless otherwise stated P-1, ing (3), P-2, C=I, P-3, that, the (2) P-4, that, the (2), P-5, the (3), P-6, that, the (3), P-7, the (2), P-8, ing (4), P-9, the (2), P-10, the (3), P-11, TVYX=risk, P-12, the (3), P-Sp-1, JYXO=home, P-Sp-2, the (3).

JA. A-25. Disaster on the water. K4. 83. Look for "tsunami" in plaintext.  A. X-6. Psp-1. Richard III. Message 8 of 31. K3. (100/22) (BYHLS)  Keep in mind the theme of these 31 Richard III messages, look for Queen Margaret and King Henry in the plaintext.  JA. X-6. Swedish Aristocrat. K2. Lagom mycket radsla, Plaintext begins "En liten" OOBGO  JA. X-10. Afrikaans Pollux. Enjoyment. (briewe) Crib placed at pos. 103. Plaintext begins "Eed van"  THE DOC  JA. E-2. Cadenus. Greedy people. (kicked)  Be careful to solve this as a Period Three and not a Period Five. Crib provides plentiful overlap.  JA. E-4. Incomplete Columnar Transposition. Honesty, (little) Period Five.  POGO  JA. E-3. Swagman. Very puny chase? (because) Period Five. Plaintext begins "Why"  JA. E-14. Porta. We depend on those who can. Period Eight. (change-3)  JA. E-16. Bazeries. Say what? MSCREP: Five digit key begins "14."  JA. E-17. Nihilist Substitution. Two-time error.  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM MY  In the eight een hu nd reds to  JA. C-11. Duodecimal Equations. (Four words, 0-1) Begins "ft"  JA. C-Sp-2. Duodecimal additions. (Three words, 0-1) Begins "ft"  JA. C-Sp-2. Duodecimal additions. (Three words, 0-1) Begins "ft"  LATIN DUDE  JA. C-Sp-2. Duodecimal additions. (Three words, 0-1) MSCREP crib —N = B, T = 8.  SO. SO. SO. 1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  BON SO. E-25. High wire illumination. K2. (83) Google is hir rope walker synonym for some plaintext. SCA WEED.  SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO  SO. E-4. Amsco. Man's real best friend. (civilization) Period S	JA. Cover Ornamental. Tubes. PARROT solving process analysis.	BION
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JA. E-4. Incomplete Columnar Transposition. Honesty. (little) Period Five.  JA. E-8. Swagman. Very puny chase? (because) Period Five. Plaintext begins "Why"  JA. E-10. Checkerboard. Family occasions. Crib extension "musicians."  JA. E-12. Conjugated Matrix Biffd. Show some respect! Plaintext begins "Calling your"  JA. E-14. Porta. We depend on those who can. Period Eight. (change-3)  JA. E-17. Nihillist Substitution. Two-time error.  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-14. Duodecimal Equations. (Four words, 0-1) Begins "It"  JA. C-14. Duodecimal Equations. (Three words, 0-1) Begins "It"  LATIN DUDE  JA. C-35. High wire illumination. K2. (33) Google tight rope walker synonym for some plaintext.  SO. A-25. High wire illumination. K2. (33) Google tight rope walker synonym for some plaintext.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-5. Morbit. Vacation. (great) Crib position 75, 2.  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-9. Checkerboard. Keep moving, (path) Crib placement at position 121, 2. Common start.  BCASSE  SO. E-14. Quagmire II. Admonition to executives. Period 7. Ext. crib "the best thing you can" at position 43. OZ CI-18. Variant. No longer behind bars. Period Twelve. Crib — "London."  SIOLKOVSKY  SO. E-18. Variant. No longer behi	JA. E-2. Cadenus. Greedy people. (kicked)	WORD WIZARD
JA. E-8. Swagman. Very puny chase? (because) Period Five. Plaintext begins "Why"  JA. E-10. Checkerboard. Family occasions. Crib extension "musicians."  JA. E-12. Conjugated Matrix Bifid. Show some respect! Plaintext begins "Calling your"  JA. E-14. Porta. We depend on those who can. Period Eight. (change-3)  JA. E-16. Bazeries. Say what? MSCREP: Five digit key begins "14."  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  THE RAT APEX DX  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  THE RAT APEX DX  ANAPEST RAMIUS  MSCREP extended crib "dogwood shrub."  JA. E-18. Phillips. Lie detectors. Extended crib "dogwood shrub."  THE RAT APEX DX  ANAPEST RAMIUS  THE CA-MAN  APEX DX  ANAPEST RAMIUS  MSCREP extended crib "dogwood shrub."  THE DOC G4EGG  HONEYBEE  THE DOC G4EGG  THE DOC G4EGG  HONEYBEE  THE DOC G4EGG  THE DOC G4EGG  HONEYBEE  THE DOC G4EGG  HONEYBEE  THE DOC G4EGG  THE D	Be careful to solve this as a Period Three and not a Period Five. Crib provides plentiful overlap.	
JA. E-10. Checkerboard. Family occasions. Crib extension "musicians."  JA. E-12. Conjugated Matrix Bifid. Show some respect! Plaintext begins "Calling your"  JA. E-14. Porta. We depend on those who can. Period Eight. (change-3)  JA. E-16. Bazeries. Say what? MSCREP: Five digit key begins "14."  ANAPEST JA. E-17. Nihilist Substitution. Two-time error.  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-14. Duodecimal Equations. (Four words, 0-1) Begins "It"  LATIN DUDE  JA. C-14. Duodecimal Division. (Three words, 0-1) MSCREP crib - N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. A-25. High wire illumination. K2. (83) Google tight rope walker synonym for some plaintext. LE CRAPAUD SO. X-10. German Variant. Ageless. (wird) Period Four. Begins "Je"  SO. X-10. German Variant. Ageless. (wird) Period Four. Begins "Je"  SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter start. ICECAF SO. E-18. Fractionated Morse. What's in a name? Crib placement at position 121, 2. Common start.  BECASSE SO. E-14. Quagmire II. Admonition to executives. Period Four.  SO. E-18. Variant. No longer behind bars. Period Teiphere "London."  TSIOLKOVSKY  TSIOLKOVSKY  TSIOLKOVSKY	JA. E-4. Incomplete Columnar Transposition. Honesty. (little) Period Five.	POGO
JA. E-12. Conjugated Matrix Bifid. Show some respect! Plaintext begins "Calling your"  JA. E-14. Porta. We depend on those who can. Period Eight. (change-3)  JA. E-16. Bazeries. Say what? MSCREP: Five digit key begins "14."  JA. E-16. Bazeries. Say what? MSCREP: Five digit key begins "14."  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-18. Phillips. Lie detectors. Extended crib "dogwood shrub."  JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-11. Duodecimal Equations. (Four words, 0-1) Ie 8, E= 0.  JA. C-14. Duodecimal Division. (Three words, 0-1) I = 8, E= 0.  JA. C-14. Duodecimal additions. (Three words, 0-1) MSCREP crib – N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. P-Sp-1. Shonda Rhimes. K3. (99/19) (BIGY) Google Shonda Rhimes "future) quotes.  SO. Y-Sp-1. Shonda Rhimes. K3. (99/19) (BIGY) Google Shonda Rhimes "future) quotes.  SO. E-3. Swallh. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext.  SO E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO  SO. E-4. Bacufort. You don't say. Period Four. Secure Plaintext begins "Books"  SO. E-5. Morbit. Vacation. (great) Crib position 75, 2.  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-7. Incomplete Columnar. Everyday problems. Period Four.  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter word.  SO. E-12. Fractionated Morse. What's in a name? Crib placement at position 121, 2. Common start.  SOC E-18. Variant. No longer behind bars. Period Twelve. Crib — "London."  TSIOLKOVSKY  SOC E-18. Variant.	JA. E-8. Swagman. Very puny chase? (because) Period Five. Plaintext begins "Why"	
JA. E-14. Porta. We depend on those who can. Period Eight. (change-3)  JA. E-16. Bazeries. Say what? MSCREP: Five digit key begins "14."  ANAPEST RAMIUS  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  THE DOC G4EGG  JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-11. Duodecimal Equations. (Four words, 0-1) Begins "It"  JA. C-14. Duodecimal Division. (Three words, 0-1) MSCREP crib — N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. A-25. High wire illumination. K2. (83) Google tight rope walker synonym for some plaintext.  ECRAPAUD SO. SO-1. Shonda Rhimes. K3. (99/19) (BIGY) Google Shonda Rhimes "future) quotes.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-7. Incomplete Columnar. Everyday problems. Period Seven. Plaintext begins "Books"  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter word.  SO. E-12. Fractionated Morse. What's in a name? Crib placement at 58th digraph, common three letter start. ICECAP SO. E-12. Fractionated Morse. What's in a name? Crib placement at position 121, 2. Common start.  BECASSE SO. E-14. Quagmire II. Admonition to executives. Period 7. Ext. crib "the best thing you can" at position 43. OZ TSIOLKOVSKY SO. E-22. Nihilist Substitution. Marine efficiency. Period Eight. 76 = 1, 48 = h, 55 = e.  SO. E-18. Variant. No longer behind bars.	JA. E-10. Checkerboard. Family occasions. Crib extension "musicians."	
JA. E-16. Bazeries. Say what? MSCREP: Five digit key begins "14."  JA. E-17. Nihilist Substitution. Two-time error.  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  G4EGG  JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-14. Duodecimal Equations. (Four words, 0-1) Hegins "It"  LATIN DUDE  JA. C-14. Duodecimal Division. (Three words, 0-1) MSCREP crib — N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. A-25. High wire illumination. K2. (83) Google tight rope walker synonym for some plaintext.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. E-2. Swagman. Strangely named. Period Four. Vertical ciphertext.  SO E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO  SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-5. Morbit. Vacation. (great) Crib position 75, 2.  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-7. Incomplete Columnar. Everyday problems. Period Four.  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter word.  SO. E-12. Fractionated Morse. What's in a name? Crib placement at position 121, 2. Common start.  ICECAP  SO. E-13. Variant. No longer behind bars. Period 7. Ext. crib "the best thing you can" at position 43. OZ  SO. E-18. Variant. No longer behind bars. Period Tewlve. Crib — "London."  SIOLKOVSKY  SO. E-22. Nihilist Substitution. Marine efficiency. Period Eight. 76 = t, 48 = h, 55 = e.  SO. C-9. Multiplication	JA. E-12. Conjugated Matrix Bifid. Show some respect! Plaintext begins "Calling your"	G-MAN
JA. E-17. Nihilist Substitution. Two-time error.  MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  THE DOC G4EGG JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-11. Duodecimal Equations. (Four words, 0-1) Begins "It"  LATIN DUDE  JA. C-14. Duodecimal Division. (Three words, 0-1) MSCREP crib – N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. A-25. High wire illumination. K2. (83) Google tight rope walker synonym for some plaintext.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. E-2. Swagman. Strangely named. Period Four. Vertical ciphertext.  SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-5. Morbit. Vacation. (great) Crib position 75, 2.  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-7. Incomplete Columnar. Everyday problems. Period Four.  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter word.  SO. E-12. Fractionated Morse. What's in a name? Crib placement at 58th digraph, common three letter start.  ICECAP SO. E-18. Variant. No longer behind bars. Period Twelve. Crib — "London."  TSIOLKOVSKY SO. E-28. Nihllist Substitution. Marine efficiency. Period Eight, 76 = t, 48 = h, 55 = e.  SO. C-9. Multiplication. (Two words, 0-1) First word, four letters. o = U, 6 = M, 1 = N.  SAMIUS		
MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"  JA. E-18. Phillips, Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  G4EGG JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-11. Duodecimal Equations. (Four words, 0-1) Begins "It"  JA. C-14. Duodecimal Division. (Three words, 0-1) MSCREP crib – N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. A-25. High wire illumination. K2. (83) Google tight rope walker synonym for some plaintext. LE CRAPAUD SO. P-Sp-1. Shonda Rhimes. K3. (99/19) (BIGY) Google Shonda Rhimes "future) quotes.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. E-2. Swagman. Strangely named. Period Four. Vertical ciphertext.  SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-7. Incomplete Columnar. Everyday problems. Period Four.  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter word.  SO. E-12. Fractionated Morse. What's in a name? Crib placement at position 121, 2. Common start.  BECASSE SO. E-18. Variant. No longer behind bars. Period Twelve. Crib "the best thing you can" at position 43. OZ TSIOLKOVSKY SO. E-22. Nihllist Substitution. Marine efficiency. Period Eight, 76 = t, 48 = h, 55 = e.  LIONEL SO. C9. Multiplication. (Two words, 0-1) First word, four letters. o = U, 6 = M, 1 = N.  OZ		
JA. E-18. Phillips. Lie detectors. Extended crib "to record blood pressure" at position 24.  JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  G4EGG JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-11. Duodecimal Equations. (Four words, 0-1) Begins "It"  LATIN DUDE JA. C-14. Duodecimal Division. (Three words, 0-1) I = 8, E= 0.  JA. C-5p-2. Duodecimal additions. (Three words, 0-1) MSCREP crib – N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. P-Sp-1. Shonda Rhimes. K3. (99/19) (BIGY) Google Shonda Rhimes "future) quotes.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. X-10. German Variant. Ageless. (wird) Period Four. Begins "Je"  G4EGG SO. E-2. Swagman. Strangely named. Period Four. Vertical ciphertext.  SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-5. Morbit. Vacation. (great) Crib position 75, 2.  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-7. Incomplete Columnar. Everyday problems. Period Four.  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter start. ICECAP SO. E-12. Fractionated Morse. What's in a name? Crib placement at position 121, 2. Common start.  SO. E-14. Quagmire II. Admonition to executives. Period 7. Ext. crib "the best thing you can" at position 43. OZ SO. E-18. Variant. No longer behind bars. Period Twelve. Crib "London."  TSIOLKOVSKY SO. E-22. Nihilist Substitution. Marine efficiency. Period Eight. 76 = t, 48 = h, 55 = e.  LIONEL SO. C-9. Multiplication. (Two words, 0-1) First word, four letters. o = U, 6 = M, 1 = N.		RAMIUS
JA. E-21. Key Phrase. Gigging is fun. MSCREP extended crib "dogwood shrub."  G4EGG JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-14. Duodecimal Equations. (Four words, 0-1) Begins "It"  LATIN DUDE  JA. C-14. Duodecimal Division. (Three words, 0-1) He gens "It"  JA. C-Sp-2. Duodecimal additions. (Three words, 0-1) MSCREP crib — N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. A-25. High wire illumination. K2. (83) Google tight rope walker synonym for some plaintext.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  G4EGG  SO. E-2. Swagman. Strangely named. Period Four. Begins "1e"  G4EGG  GAPEX DX  BION  LE CRAPAUD  BION  LE CRAPAUD  BION  LE CRAPAUD  CILLBIPHER  G4EGG  GAPEX DX	MSCREP help - Period Nine. Column six Key Word digits = 24. Plaintext begins "The"	
JA. E-25. Two-Square. State Park. (hundreds to) Ext. crib placement compliment of PARROT.  ST AU DZ FT ET KU RZ GS ER RM NY  nt he ei gh te en hu nd re ds to  JA. C-11. Duodecimal Equations. (Four words, 0-1) Begins "It"  JA. C-14. Duodecimal Division. (Three words, 0-1) I= 8, E= 0.  JA. C-59-2. Duodecimal additions. (Three words, 0-1) MSCREP crib - N = B, T = 8.  SO. SO-1. Ornamental. Gateway. PARROT hints that white and black diamonds provide a clue.  SO. P-Sp-1. Shonda Rhimes. K3. (99/19) (BIGY) Google Shonda Rhimes "future) quotes.  SO. X-9. Spanish Complete Columnar. Promise made 1914 Mexico. Period 7, begins "Aquel"  SO. E-2. Swagman. Strangely named. Period Four. Begins "Ie"  G4EGG SO. E-3. Null. Somebody has to do it. (work) MSCREP advises crib begins at ciphertext SEAWEED. REAL NEO SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  SO. E-4. Amsco. Man's real best friend. (civilization) Period Seven. Plaintext begins "Books"  MSCREP SO. E-5. Morbit. Vacation. (great) Crib position 75, 2.  SO. E-6. Baconian. Pretty birds. (pack) Crib placement near beginning of ciphertext.  SO. E-7. Incomplete Columnar. Everyday problems. Period Four.  SO. E-8. Beaufort. You don't say. Period Eight, plaintext begins with common three letter word.  SO. E-12. Fractionated Morse. What's in a name? Crib placement at 58th digraph, common start.  SO. E-14. Quagmire II. Admonition to executives. Period 7. Ext. crib "the best thing you can" at position 43. OZ SO. E-18. Variant. No longer behind bars. Period Twelve. Crib - "London."  TSIOLKOVSKY SO. E-22. Nihilist Substitution. Marine efficiency. Period Eight. 76 = t, 48 = h, 55 = e.  LICATIN DUDE  LATIN DUDE  L'Y CAMINI  APEX DX  AP	•	THE DOC
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<b>SO. C-12. Division.</b> (Two words, 0-1) First word, three letters. $0 = T$ , $7 = B$ . $1 = H$ .	<b>SO.</b> C-12. Division. (Two words, 0-1) First word, three letters. $0 = T$ , $7 = B$ , $1 = H$ .	LI'L GAMIN
Sunny Ciphering, LIONEL		

Since we know the entire plain text, we know that the first six letters are "They sa". This rapidly leads to the following grille positions: Cipher Text Position ID

```
      Y
      T
      A
      H
      A
      01
      02
      03
      04
      05

      D
      D
      E
      T
      L
      06
      07
      08
      09
      10

      Y
      O
      E
      L
      S
      11
      12
      13
      14
      15

      R
      R
      L
      S
      O
      16
      17
      18
      19
      20

      A
      E
      O
      A
      M
      21
      22
      23
      24
      25
```

Note that the position of 'they' is forced by the position of the 'y' character at position 11. The positions of 's' and 'a' would appear to have some options (i.e., at positions 15 and 24 positions 19 and 21). However the alternate positions are ruled out by the fact that position 11 will rotate to position 15 and position 2 will rotate to position 24. Each position in the cipher text can only be used once, so we rule out the 15 and 24 alternates.

Let's rotate the grille 90 degrees clockwise. This provides: Cipher Text Position ID

```
      Y
      T
      A
      H
      A
      01
      02
      03
      04
      05

      D
      D
      E
      T
      L
      06
      07
      08
      09
      10

      Y
      O
      E
      L
      S
      11
      12
      13
      14
      15

      R
      R
      L
      S
      O
      16
      17
      18
      19
      20

      A
      E
      O
      A
      M
      21
      22
      23
      24
      25
```

The plain text for the first two grille positions reads "Theysa yallro". So far so good!

Let's again rotate the grille 90 degrees clockwise. Cipher Text Position ID:

```
      Y T A H A
      01 02 03 04 05

      D D E T L
      06 07 08 09 10

      Y O E L S
      11 12 13 14 15

      R R L S O
      16 17 18 19 20

      A E O A M
      21 22 23 24 25
```

The plain text for the first three grille positions reads "Theysa yallro adslea". Note that positions 15 and 24 are used in this grille position! Lastly, let's once again rotate the grille 90 degrees clockwise. This provides: Cipher Text Position ID

```
      Y T A H A
      01 02 03 04 05

      D D E T L
      06 07 08 09 10

      Y O E L S
      11 12 13 14 15

      R R L S O A M
      16 17 18 19 20

      21 22 23 24 25
```

The plain text for all four grille positions in order reads "Theysa yallro adslea dtorom". We now utilize the center character as an end cap and the total plain text reads "They say all roads lead to Rome." Reread this tutorial until you are sure you understand the methods involved. Feel free to submit the 6 digit initial grille setting for credit.

**MSCREP**