JUNIOR NEWSLETTER
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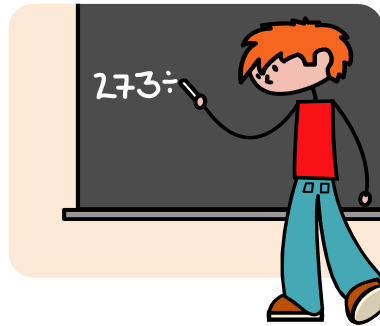
The Cryptogram Bimonthly Journal Availability

For those interested in joining our Cryptogram magazine's Solvers List, The Cryptogram Bimonthly Journal is available to students at the rate of $10. per year. Send subscription requests to Charles F. Schretzmann, ACA Treasurer, 56 Sanders Ranch Road, Moraga, CA 94556 for your own personal copy of our ACA magazine. Include you name, address and NOM selection with your subscription fee.

Free Books from Young Tyros Library (Mailing also free.) Contact LIONEL cryptolion@aol.com

Blue Avenger - Howe   *Book Scavenger* - Bertman   *Break the Code* - Johnson,
Code Busters Club - Warner   *Find Out About Secret Codes and Messages* – Beal
Harry Potter, Art of Spying – Boughey & Earnest (See page two)   *Mad Scientists'* Club – Brinley

Patience

1) Make yourself wait. The best way to practice patience is to make yourself wait. A study published in Psychological Science shows that waiting for things actually makes us happier in the long run. Start with something small, like waiting a few extra minutes to drink that milkshake and then move on to something bigger.
2) Stop doing things that aren't important that cause stress and make us impatient.
3) Be Mindful of the Things Making You Impatient. Write down what makes you impatient. This will help you slow down and focus on one task at a time.
4) Relax and Take Deep Breaths. Taking slow deep breaths can help calm the mind and body.

Atbash Cipher   (10 points for solving the Atbash Cipher below)

The Atbash Cipher is a Hebrew Cipher from 500 BC that predates the Caesar Cipher and could well have been the inspiration for Julius Caesar's better known Caesar Shift. Instead of shifting a number of letter positions to have a ciphertext letter represent a plaintext letter, the Atbash Cipher substitutes the last letter of the alphabet for the first letter, the next to the last letter of the alphabet for the second letter, and so on. Atbash encryptions are found throughout the Dead Sea Scrolls and even the Old Testament.

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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
Z Y X W V U T S R Q P O N M L K J I H G F E D C B A
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YZXP GL HXSLLO GL HVV LOW UIRVMWH.
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SEE PAGE TWO FOR MORE CIPHERS.

Here are a couple of ciphers that appeared in our MJ ACA Cm that can be solved with solution practices we have been reviewing. Message LIONEL if you need any help with them. Please message him with any questions on unclear areas. You can send your solutions to MSCREP at acasols@cryptogram.org to include them in our ACA Solvers List as well as LIONEL at our Newsletter.

MJ 2020 Aristocrat Cipher. (20 points each)

A-1. Aristocrat. Thoughts on the freeway.   K2

```
JBAG OUC GAGX TUZKEGF BTOUTG IUKTI YQURGX ZJBT OUC KY BT
Have you ever noticed anyone
```

```
KFKUZ BTF BTOUTG IUKTI HBYZGX ZJBT OUC KY B SBTKBE?
```

K2. Keyword alphabet. Plaintext alphabet is normal. CIPHERTEXT alphabet has the key. Assign the CIPHERTEXT letter to each solved plaintext letter:

```
Plaintext 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
CIPHERTEXT LTRS   B   E F G     J K       T U     X   Z C A       O
```

A-5. Mixed message. K2.

```
JOZOELYU FXKOJPOC KATE FPOJ W GJFCMZL FE KWYO WL LRO YFZWY
Recently observed sign over a product
```

```
BWJIOL: "KLFZI MG WEC KWPO. YABAL FEO LF W ZMKLFBOJ."
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```
Plaintext 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
CIPHERTEXT LTRS   W X Z C O   T   A     Y   E F G   J K L M P     U
```

The *Code Busters Club* – by Peggy Warner is on our free mailing list. It's the adventure of a secret club, who have a super secret hideout and passwords that change every single day. Nothing will stop them from solving a mystery. It makes the use of some fifteen codes and ciphers including the Alphanumeric Code, Braille alphabet, Caesar Cipher, Consonant Code, Finger Spelling and Morse Code with a Key Book and solutions. Many of their ciphers find their way into our Young Tyros Newsletters.

Harry Potter, Art of Spying – Boughey & Earnest

This is an invitation to our young adults into the world of secret messaging and solving. Anagramming, crossword puzzles, mazes, mirrors, phone coding, simple substitution and word search activities are offered, all with solutions which appear on the pages in the book that follow. All Harry Potter enthusiasts will take great delight in the referencing of the ciphers to past Harry Potter series publications. We have two copies of this book in our Young Tyros Library, donated by our Newsletter staff member, ARDUINNA. The book and the mailing are free.

Sunny Ciphering, LIONEL (cryptolion@aol.com)