KAHAN TO BRING ALPHAMETICS TO WORD WAYS

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The Journal of Recreational Mathematics, which first appeared January 1968, has suddenly stopped publishing with its December, 2014 38(2) issue. For nearly 30 years Steven Kahan was editor of JRM's Alphametics column and has happily agreed to continue the column in Word Ways. His first Alphametics will appear in the August issue. Readers should send contributions to skapha1@aol.com.

We remind the reader of just what Alphametics means. Perhaps the most famous example was composed by H. E. Dudeney in the July 1924 issue of Strand Magazine. There the solver was to replace the following letters with unique digits so that the addition problem was correct.

$$
\begin{array}{r}
\text{SEND} \\
\underline{\text{MORE}} \\
\text{MONEY}
\end{array}
$$

Only one answer is possible and it is given in Answers and Solutions. Some other examples and resolutions are in Answers and Solutions.

No. XXXIII

The sentence formed with the ten letters above the line, which is the key to this sum, is *Do your best*. If these letters are numbered consecutively 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, and the corresponding figures are substituted for the letters, the sum works out as is shown in the second diagram—

$$
\begin{array}{cc|cc}
S & B & 9 & 7 \\
R & E & 6 & 8 \\
Y & D & 3 & 1 \\
O & T & 4 & 0 \\
U & O & 5 & 2 \\
\hline
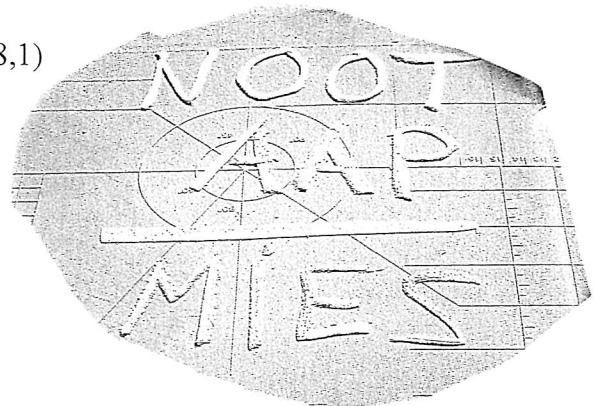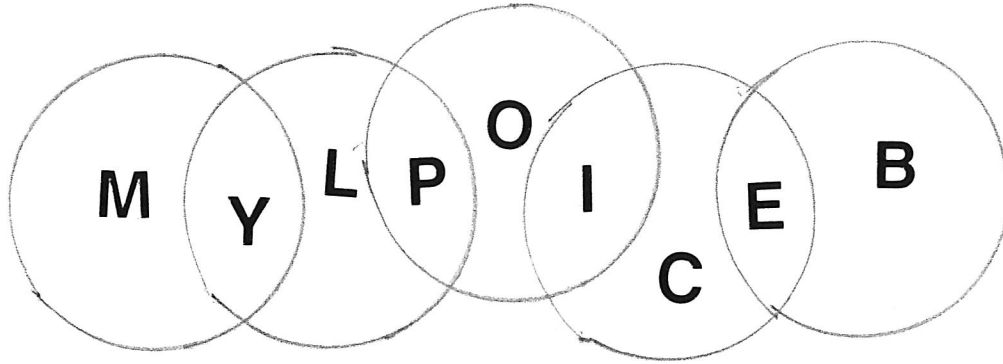O\ E\ E & & 2\ 8\ 8
\end{array}
$$

No. XXXIX

The sentence formed with the ten letters above the line, which is the key to this sum, is—*Add these up*. If these letters are numbered consecutively 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, and the corresponding figures are substituted for the numbers, the sum works out as is shown below.

$$
\begin{array}{cc|cc}
D & U & 2 & 9 \\
E & H & 6 & 5 \\
E & D & 8 & 3 \\
A & P & 1 & 0 \\
S & T & 7 & 4 \\
\hline
D\ E\ A & & 2\ 6\ 1
\end{array}
$$

From the Dutch journal Pythagoras, September, 2008 (48,1)

AAP, NOOT, MIES
Gelijke letters staan voor gelijke cijfers,
verschillende letters zijn verschillende cijfers.
Wat zijn de cijfers in onderstaande rekensom?
AAP + NOOT = MIES

M Y L P O I C E B

Another example is the OLYMPIC EMBLEM puzzle. The nine different letters in the title form the five words MY, PLY, POI, ICE and BE as shown. Replace the letters with unique digits so that each ring has the same sum.

We at Word Ways lament the passing of JRM. 1968 was also Word Ways start and both journals owe much to the efforts of Martin Gardner. It was Gardner's friend Joseph S. Madachy (1927 – 2014) who started JRM after a failed earlier attempt with 14 issues of the publication Recreational Mathematics Magazine beginning in 1961.

Charles Ashbacher for fourteen years was manuscript and book review editor for JRM and has decided to continue with an eBook about recreational mathematics. So far, in 2015 he has produced three compilations. Please use cashbacher@yahoo.com for information.

Ashbacher's artist Caytie Ribble produces for him cartoons that combine mathematics and word play. For example

Vulgar Fractions