Problem 192
by Dave Lindell, L.S.

The interior angle bisectors of triangle ABC cut the triangle at points A', B' and C'. A circle drawn through points A', B' and C' cuts chords A'-e, B'-f and C'-d from the sides of the triangle.

If AB = 500.000, BC = 600.000 and CA = 700.000, what are the lengths of the chords? What is the pattern?

Problem 193
by Benjamin Bloch, Ph.D.

a) Write the decimal equivalent of 1/11 to at least 12 places.
b) What is the Repeat Block (RB) and the SDQ* of the Repeat Block?
c) Compare with 2/11, 3/11, through 13/11.
d) Compare with Problem #187 for the inverses of 7.
e) What do the inverses of 7 and 11 have in common?

*For a description of SDQ see Problem #131 on our website.