# SEATTLE FACETOR DESIGN   July 1987

## The MINI BARION SERIES

### by Alexandre Wolkonsky

The BARION concept found by Mr Basil Watermeyer has been applied to many stones of exceptional brilliancy , none of which were round.  Watermeyers concept is based on pavilion designs  with sets of facets arranged  as a cone.  This cone when reaching the girdle plane defines approximately a round outline,  but to avoid a round stone design groups  of facets are intersected by break facets adjacent to girdle facets arranged to form shapes other than a circle ...such as square, rectangle, triangle.

Because sets of facets forming the pavilion are rather numerous , it would be difficult to have that many facets all join at a common meet-point at the culet. So Mr Watermeyer started these facets a little higher from the culet.  Each group of facets  which I call a "fan" because they are fan shaped, meet at a common point.  Since the distance to the culet is not fixed, there is some indetermination as to just how far they should be cut from the culet.  So a little practice is needed to cut Barions.

The Mini-Barion cuts  have been designed  as simpler cuts  with fewer pavilion facets and no fans (for ease of cutting), yet rendering plenty of brilliance.  I started with the "square" because my daughter had asked me for a bracelet  with a suite of identical square stones  with a blend of colours.  The other designs came naturally starting from the square.

The Mini-Barion series keeps the concept  of cone shaped pavilion facets with breaks leading to non-round shapes at the girdle.  However the groups of "fans" have been suppressed  and all pavilion facets,  except for the breaks, meet at a single common point which is the culet.  Thus the ease with which one can cut these designs.

All of these designs  have a reduced number of facets compared to their true Barion equivalents and are therefore best suited to cut the smaller stones.  Hence their name "MINI-BARIONS".



14.051B MINI EQUILATERAL BARION #1B

14.049 MINI EQUILATERAL BARION -cut corner

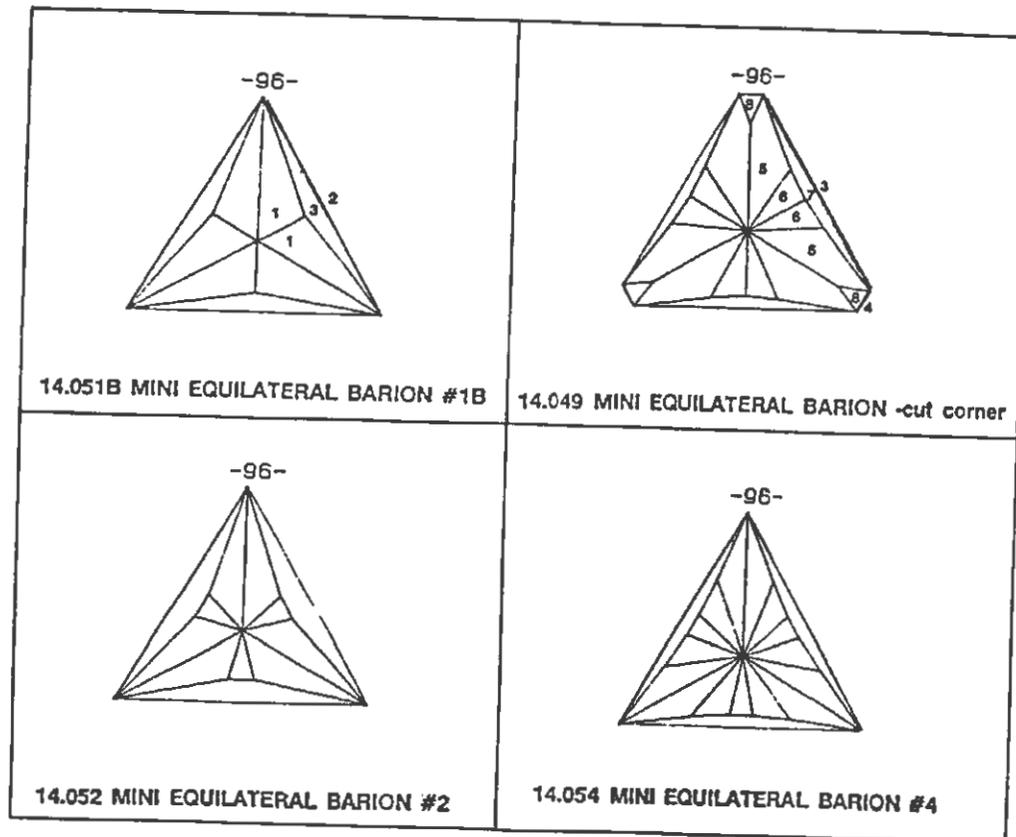14.052 MINI EQUILATERAL BARION #2

14.054 MINI EQUILATERAL BARION #4

Figure 1  Pavilions for MINI EQUILATERAL BARION designs