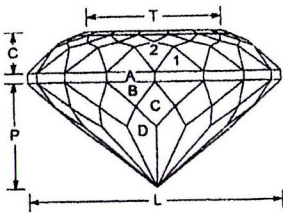
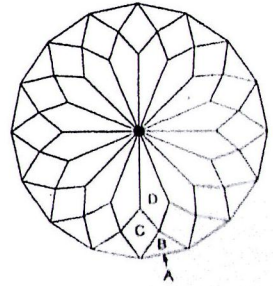
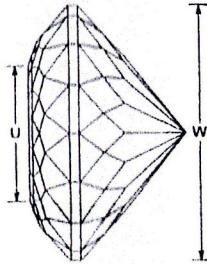
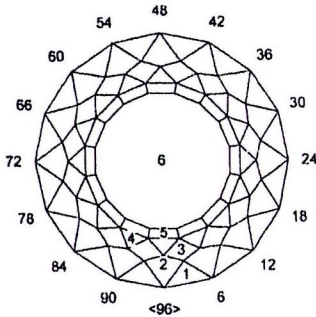


New South Wales GEMKHANA

Open Section O.10 – Scintillator.

Material – Natural Topaz.

Facets 145 (129+16 Girdle) **Meets** 97 (Crown 64, Pavilion 33)



Scintillator

Angles for Topaz

Angles for R.I. ≈ 1.610

129 + 16 girdles = 145 facets

16-fold radial symmetry

96 index

L/W = 1.000 T/W ≈ 0.531 U/W = 0.531

P/W ≈ 0.424 C/W ≈ 0.162

Vol./W³ = 0.232

PAVILION

A	90.00°	03-09-15-21-27-33-39-45- 51-57-63-69-75-81-87-93
B	48.00°	03-09-15-21-27-33-39-45- 51-57-63-69-75-81-87-93
C	43.00°	96-06-12-18-24-30-36-42- 48-54-60-66-72-78-84-90
D	39.00°	03-09-15-21-27-33-39-45- 51-57-63-69-75-81-87-93

CROWN

1	48.00°	03-09-15-21-27-33-39-45- 51-57-63-69-75-81-87-93
2	43.00°	96-06-12-18-24-30-36-42- 48-54-60-66-72-78-84-90
3	28.50°	03-09-15-21-27-33-39-45- 51-57-63-69-75-81-87-93
4	23.50°	96-06-12-18-24-30-36-42- 48-54-60-66-72-78-84-90
5	19.00°	96-06-12-18-24-30-36-42- 48-54-60-66-72-78-84-90
6	0.00°	Table