

# DESCRIPTIVE ANALYSIS OF GLASS INDIAN TRADE BEADS FOUND IN CENTRAL TEXAS.

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## MILK WHITE OPAQUE GLASS <sup>1</sup>

Milk glass beads comprise nearly half of all those found. The lustre is usually a dull or dirty milk white, but when found not eroded, is shining, suggesting porcelain. When iridescence is present it suggests the sheen of a pearl.

1. Small Seed. Globular, tubular or disk shaped,  $\frac{1}{2}$  to 2 mm in diameter. Short tubes.
2. Short Cylindrical. With rounded ends or globular, 2 to 9 mm in diameter.
3. Tubular. 2 to 3 mm in diameter and 2 to 20 mm in length. Broken segments of tubes. The ends may be rounded off or rough from breaking the tubes into segments. <sup>3-34</sup>
4. Elongated Oval. With rounded or subpointed ends; equilateral or inequilateral; lumen frequently eccentric. 5 to 9 mm by 9 to 20 mm.
5. Barrel Shaped. 4 to 6 mm in diameter by 8 mm long. <sup>12</sup>
6. Globular. 4 mm in diameter.
7. Globular. 7 mm in diameter, 4 mm thick. Balloon tire shape. <sup>5</sup>
8. Globular. 10 mm in diameter, uniform surface.
9. Globular. 10 mm in diameter, surface indented and grooved for enamel inlay. <sup>27</sup>
10. Globular. 12 mm in diameter. Tinted pink with blue enamel inlay dots in groups of 3 representing a leaf band. <sup>19</sup>
11. Tubular. 4 mm in diameter by 8 mm long. Surface striated.
12. Tubular. 3 mm in diameter by 10 mm long.
13. Oval. Four faceted, square ends, inequilateral, concave facets, spirally grooved.
14. Oval. 7 mm in diameter by 10 mm long. Five ridge spiral structure. <sup>23</sup>
15. Cylindrical. 7 mm in diameter by 9 mm long. Dirty white porcelainized characterized by irregular surface cracking as from sudden cooling. <sup>8</sup>

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<sup>1</sup> Small figures at end of description refer to corresponding figures on Plate IX.

16. Globular. 10 mm in diameter and 8 mm long with parallel flat ends 7 mm in diameter. Spiral structure.
17. Globular. 7 mm in diameter. Dull greyish tinted. Flattened ends.<sup>14</sup>
18. Oval, Semi. 12 mm in diameter and 10 mm long — $\frac{1}{2}$  oval with square base at equator. Either made this way or worn down enough from use to appear to be complete.<sup>20</sup>
19. Oval. 6 mm in diameter, 13 mm long, 4 spirally flattened sides.<sup>13</sup>

#### CLEAR (CRYSTAL LIKE) GLASS. NO COLOR

Frequently found amethyst colored due to action of sun on glass while worn. Some have slight greenish tint like bottle glass, others are striated, frosted from erosion or with iridescence surface.

21. Same shape and size as (1)
22. Same shape and size as (2)
23. Same shape and size as (3) up to 4 mm in diameter.
24. Globular. 7 mm in diameter, showing external structure, almost brownish in color.<sup>6</sup>
25. Globular. 6 mm in diameter, slightly flattened sides, clear with frosted exterior.
26. 30 Faceted. Oval 7 mm in diameter and 18 mm long. Facets irregular triangular and diamond shaped and irregular in size.<sup>38</sup>
27. Globular. Translucent. 2 mm in diameter, color milky, suggesting a pearl.

#### TRANSPARENT BLUE

The color ranges from light greenish blue to a clear dark blue when well preserved and a dull lusterless surface when eroded. Iridescence in light blues is greenish and in dark blues, bronze, greenish and purple.

31. Same shape and size as (1)
32. Same shape and size as (2)
33. Same shape and size as (3)
34. Barrel Shaped. 4 mm in diameter by 8 mm long. Dull dark blue iridescence. Five spiral ridge.
35. Barrel Shaped. 2 mm in diameter by 3 mm long. Dull blue translucent.<sup>12</sup>
36. Globular. 5 mm in diameter by 2 mm thick. Balloon tire shape. Dull blue or translucent.

37. Globular. 5 mm in diameter. Light blue, dull.<sup>7</sup>
38. Globular. 7 mm in diameter. Dark greenish blue.
39. Oval. 6 mm in diameter by 10 mm long. Dark dull blue or translucent.
40. Oval. 4 mm in diameter by 5 mm long. Clear greenish light blue.
41. Oval. 4 faceted 8 mm in diameter by 16 mm long. Clear dark blue.<sup>21</sup>
42. 8 Faceted. 3 mm in diameter by 4 mm long. Two rows of 4 facets each. Spiral grooved.
43. 30 Faceted. 5 mm in diameter by 11 mm long. Two end rows of 6 triangular facets each and three rows of 6 each, irregular diamond shaped facets. Light bluish violet.<sup>21</sup>
44. 18 Faceted. Cylindrical. 6 mm in diameter and 5 mm in length. One central row of 6 irregular rectangular facets and 2 end rows of 6 each irregular triangular facets.
45. 12 Faceted. Cylindrical, 6 mm in diameter and 5 mm in length. Two end rows of 6 triangular facets each with middle third of bead not faceted.
46. Globular. Same as (14).
47. Globular. 15 mm in diameter, 8 mm thick, dark translucent blue, balloon tire shape.

#### TURQUOISE BLUE OR SKY BLUE. OPAQUE

Color waxy to dull appearing.

51. Same shape and size as (1) sky blue
52. Same shape and size as (1) turquoise blue
53. Same shape and size as (2) turquoise blue
54. Same shape and size as (3) sky blue
55. Short Cylindrical. 2 mm to 4 mm in diameter, slightly striated. Dull turquoise.
56. Cylindrical. 5 mm in diameter, 12 mm long. Dark sky blue.

#### BUBBLE GLASS. SKY BLUE

The glass is full of air holes, is easily crushed and surface heavily striated. Color deep greenish blue when moistened, iridescence in various colors to a dull dirty white when dry.

61. Same shape and size as (1)
62. Same shape and size as (2)
63. Same shape and size as (3)

## OPAQUE YELLOW

Color, pale egg yellow to light straw.

65. Same shape and size as (1). Light yellow opaque translucent.
66. Oval. 4 mm in diameter by 9 mm long. Light straw color.
67. Oval. 4 faceted, 4 mm in diameter, 5 mm long. Square cross-section.

## AMBER COLORED. TRANSLUCENT

Color, light yellowish to dark amber.

71. Same shape and size as (1)
72. Same shape and size as (2)
73. Short Tubular. 2 to 3 mm in diameter and of same length.
74. Oval. 8 mm in diameter and 10 mm long. Yellowish tinted iridescence.<sup>25</sup>
75. 24 Faceted. Globular. 18 mm in diameter. 2 rows of 6 triangular facets each and 2 rows of 6 irregular shaped rectangular facets each.<sup>33</sup>

## OPAQUE RED, (CORNALINE D'ALLESPO)

An opaque glass bead consisting of a tube or hollow central core of clear dark greenish glass covered with a brick red or terra cotta red enamel. The bead appears to have a black eye or core. Also known as "Hudson Bay" trade beads. Fairly common in the smaller sizes and ranging from 1 to 10 mm in diameter. Usually has a dull lustre but may be shining if well preserved.

81. Same shape and size as (1)
82. Same shape and size as (2)
83. Same shape and size as (3)
84. Same shape and size as (3) without black eye.
85. Cylindrical. 8 mm in diameter and 23 mm in length. Center core or eye very thick with thin red coating. Surface has straight hair line ridges irregularly placed.<sup>35</sup>

## TRANSPARENT RED

Color usually from light to deep ruby red.

91. Globular. 5 mm in diameter, dull ruby red with white lining of center.
92. Elongated Oval. 3 mm in diameter and 10 mm long. Iridescence, light ruby red.

93. Tubular. 10 mm in diameter by 15 mm long. Light translucent brick red. Spiral structure lumen.<sup>24</sup>
94. 4 Faceted. Oval. 6 mm in diameter and 8 mm long. In-equilateral, square ends, facets concave.<sup>26</sup>
95. 4 Faceted. Oval. Light ruby red, facets concave, cross section diamond shaped.<sup>18</sup>
96. Globular. 7 mm in diameter. Light ruby red, paste white lined lumen.
97. Globular. 8 mm in diameter. Dull translucent ruby red with milky white core, slightly flattened ends.
98. Tubular. 18 mm in diameter and 22 mm long. Square ends. Light ruby red.<sup>37</sup>
99. Same as (75)

#### BLACK OPAQUE

When well preserved the beads are a shining jet black; usually the lustre is dull. When iridescence is present from contact with clay, surface is rich in metallic colors, bronze in appearance, brilliant green and reds or all may be intermingled in one bead.

101. Same shape and size as (1)
102. Same shape and size as (2)
103. Same shape and size as (3)
104. Disk Shaped. 8 mm in diameter, balloon tire shaped.<sup>5</sup>
105. 8 Faceted. Two rows of 4 facets each. Facets concave. Round ridged at equator, round ends. Dull grayish black, 14 mm in diameter and 18 mm long.<sup>32</sup>
106. Globular. 6 mm in diameter and 5 mm long. Iridescent dark bluish black with yellow and blue enamel inlay forming leaf design around bead.
107. Cylindrical. 5 mm in diameter and 8 mm long. 4 spiral grooved from each end, grooves running  $\frac{3}{4}$  length of bead and alternating.  $\frac{1}{4}$  spiral.
108. Pentagonal. 20 mm in diameter, 6 mm thick, grayish black, opaque.<sup>36</sup>
109. Cylindrical. 8 mm in diameter and 9 mm long, rounded ends. Opaque black, spiral structure, decorated with 13 dotted, straight white opaque lines, running length of bead.

#### TRANSPARENT GREEN

Color yellowish to bluish green.

111. Same shape and size as (1)
112. Same shape and size as (2)

- 113. Same shape and size as (3)
- 114. Short Cylindrical. 4 mm in diameter, a very dark green.
- 115. Globular. 7 mm in diameter. Balloon tire shape.

#### OPAQUE GREEN

- 121. Barrel Shaped. 3 to 4 mm in diameter and 5 to 7 mm long. Dull grass green.
- 122. Short Tubular. 2 mm in diameter.
- 123. Tubular. 2 to 4 mm in diameter, dull grass green, striated and iridescence surface.

#### TRANSPARENT DARK PURPLE

Color dark purple to wine color.

- 126. Globular. 2 to 3 mm in diameter. Deep wine color.
- 127. Globular. 7 mm in diameter. Dark purple when wet, grayish when dry. Spiral structure.
- 128. Barrel Shaped. 6 mm in diameter by 9 mm long. Light wine color.
- 129. Short Tubular. 3 mm in diameter.
- 130. Disk Shaped. 6 mm in diameter. Balloon tire shaped. Deep purple.
- 131. Faceted. Globular, 2 to 3 mm in diameter. From 3 to 6 facets, irregular in shape and size, covering about  $\frac{4}{5}$  of surface of bead. At various angles to axis of bead, some in one row, some in two rows and some alternating.
- 132. 24 Faceted. Globular 8 mm in diameter. Two end rows of 6 triangular facets each and 2 interlapping rows of 6 irregular rectangular shaped facets each.<sup>22</sup>
- 133. Pentagonal Disk. 12 mm in diameter and 5 mm thick. Deep dull purple.

#### BEADS WITH STRIPES

Globular, tubular and disk shaped, 4 to 10 mm in diameter. Stripes 1 to 2 mm wide. All stripes straight.

- 136. Milky White Opaque. Four narrow light blue stripes.
- 137. Milky White Opaque. Four broad light blue stripes.
- 138. Milky White Opaque. Two red and 2 blue alternating stripes.
- 139. Milky White Opaque. Two red and 2 green alternating narrow stripes.<sup>15</sup>
- 140. Milky White Opaque. Six narrow light green stripes.<sup>17</sup>

141. Transparent Dark Blue. Four white stripes.
  142. Transparent Dark Blue. Three white stripes and one stripe composed of very narrow white lines.
  143. Opaque Light Blue. Four narrow white stripes.
  144. Opaque Light Blue. Four broad white stripes.
  145. Opaque Black. One red and 2 white stripes.
  146. Opaque Black. Two red and 2 white alternating stripes.
  147. Opaque Black. Two red and 2 white compound alternating stripes.
  148. Opaque Black. Four white stripes.<sup>16</sup>
  149. Opaque Black. One broad and 1 narrow white stripe alternating with 1 narrow red and 1 broad compound red stripe composed of a narrow and a broad line.
  150. Opaque Black. Two red and 2 green alternating stripes.
  151. Cornaline d'Alleppo. Four broad white stripes.
  152. Cornaline d'Alleppo. Four narrow white stripes.
  153. Opaque Black. Two red and 2 blue alternating stripes.
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