

AN ARCHAEOLOGICAL PERSPECTIVE ON THE ORGANIZATION OF
THE FUR TRADE IN EIGHTEENTH CENTURY NEW FRANCE

By

Judith Dunn Tordoff

A DISSERTATION

Submitted to
Michigan State University
in partial fulfillment of the requirements
for the degree of

DOCTOR OF PHILOSOPHY

Department of Anthropology

1983

ABSTRACT

AN ARCHAEOLOGICAL PERSPECTIVE ON THE ORGANIZATION OF THE FUR TRADE IN EIGHTEENTH CENTURY NEW FRANCE

By

Judith Dunn Tordoff

The goal of this dissertation is the explication of some aspects of the fur trade in eighteenth century New France. From an analysis of the written historical and documentary evidence a model representing the French colonial fur trade system of the eighteenth century as a network of hierarchically organized bases has been developed. These bases were posts within a military organization and their primary function was to facilitate the operation of the fur trade. The posts in the French fur trade network were characterized by differing levels of functional complexity. These differences evolved as the fur trade network expanded into the North American wilderness, away from French sources of supply and command, and closer to native American Indian tribes.

The thesis of the dissertation is that the differences described in the model should be discernible in the patterning of archaeological remains at French fur trade sites. It is tested through the examination of the differential distribution of artifacts at several archaeological sites. The data available and/or suitable for use in this study were not sufficient to allow the analysis of all levels within the hierarchy. Of the French fur trade sites that have been excavated only two, Fort Ouiatenon

and Fort Michilimackinac, could be compared. Because of the differences between the data sets from the two sites, the sensitivity with which statements about the fur trade system could be made was somewhat reduced.

Nonetheless, interesting similarities and differences between the two sites have been perceived. As a Regional Distribution Center, Fort Michilimackinac emerges as a more diversified post, occupied by more people of greater affluence/status than Fort Ouatatonon, and a more militarily important post. Ouatatonon, a Local Distribution Center, appears not only as a smaller and less affluent post, but one where more emphasis was necessarily placed on making do with local resources. Similarities between the two posts are more striking and may be related to the ultimate economic function of posts within the French fur trade system.

Variety g (new variety) Shoulder attachment

N - 1

F56

L - 11.83 cm

This specimen has a shoulder between the awl blade element and the hafting element. The blade expands toward the shoulder; the hafting element, smaller in cross section than the blade, tapers to a point. The specimen was made from a file; a few hatch marks are still visible near the shoulder where the file was cut and crimped.

Type 1 Category 1 Awls unidentifiable as to Variety

N - 2

N875W865

N1015W950

Both awls are probably either Variety a or Variety b.

Type 2 Bone

N - 1

F33

L - 11.70 cm

This awl was made from a medium sized mammal rib.

Awl Discussion. Stone states that awls were used at Fort Michilimackinac by both civilian and military personnel as well as being an important trade item (1974b:155-159). The most common awls found at Michilimackinac were those with the shaft center method of attachment, used throughout the site's occupation. Off-set attachment awls were found in contexts dating to between 1735-40 and 1781.

Seed Beads N - 11,108

Seed beads, like lead shot, were not collected systematically at Fort Ouiatenon. When concentrations were noticed, as in F68, the basement in N1015W950, and occasionally in F56, material was fine-screened. Undoubtedly many beads were not recovered in other units, though the areas of greatest concentration are certainly

reflected in the figures presented here.

When beads were compared with those of other sites color designations based on the Munsell Book of Color (1940) were sometimes several numbers apart in value or chroma. These differences were considered to be the result of different lighting conditions and personal perception and have been considered here to be the same color.

Color designations for both seed and necklace beads were determined using both artificial and transmitted light. With artificial (reflected) light, the bead was held under a strong microscope light against the Munsell gray card. With transmitted light, the bead was held under a microscope with backlighting, or held under the scope light without the neutral gray card. Data on seed and necklace beads from other eighteenth, and nineteenth century sites is presented in Tables 48 and 49.

Class I Hollow Cane

Series A Simple construction

Type 1 Doughnut

Variety c Royal blue, translucent

N - 464

N1020W990 F56 Balks - 5

N865W865 F56 - 457

artificial light - Purple-Blue 5.0 PB 4/10

transmitted light - bluish Purple-Blue
2.5 PB 6/8

L Range - 1.2-3.1 mm (463 specimens)

W Range - 2.1-3.9 mm (463 specimens)

Semi-glossy surface, bubbly; doughnut:
round to barrel shaped.

Variety e Light blue, translucent

N - 1
F56

art. light - Blue Purple-Blue 10.0 B 6.6
trans. light - bluish Purple-Blue
2.5 PB 8/2

L - 1.7 mm; W - 2.5 mm

Very clear and glossy; smooth glossy surface; doughnut shaped.

Variety g Clear, translucent

N - 42
F68

L Range - 1.0-2.2 mm (42 specimens)
W - Range - 2.0-3.1 mm (42 specimens)

Clear, not cloudy; some pitting, somewhat bubbly, semi-glossy surface; doughnut, round, semi-barrel, barrel shaped.

Variety i Bright green, translucent

N - 157
F56 Balks - 3
F56 - 3
F68 151

art. light - Yellowish Green 2.5 G 6/8
trans. light - same

L Range - .8-1.7 mm (157 specimens)
W Range - 1.6-2.8 mm (157 specimens)

Very bubbly with visible longitudinal striations; semi-glossy surface; doughnut to barrel shaped.

Variety n Wedgewood blue, opaque

N - 45
F68

art. light - Purple-Blue 5.0 PB 7/4

L Range - 1.1-2.0 mm (45 specimens)
W Range - 2.0-2.7 mm (45 specimens)

Generally smooth, dull surface, some bubbles; doughnut, round, barrel shaped.

Variety u Ruby red, translucent

N - 2602

N1015W950 - 2 F56 - 11

F56 Balks - 27 F68 - 2562

art. light - black

trans. light - Yellowish-Red 7.5 R 4/12

L Range - 1.2-3.6 mm (sample of small and

W Range - 2.1-3.9 mm large beads)

Variety w Turquoise, semi-translucent

N - 517

N1015W95 - 476 F67 - 4

N875W865 - 1 F63 - 1

F56 Balks - 15 F68 - 20

art. light - Greenish-Blue 2.5 b 7/6

trans. light - same

L Range - 1.4-2.7 mm (sample of small and

W Range - 2.4-3.0 mm large beads)

Dull surface, often badly pitted and
fibrous; grooved striations visible;
doughnut, round and semi-barrel shaped.

Variety y White, opaque

N - 7

Plow Zone - 1 F56 Balks - 2

N955W905 - 1 F68 - 3

L Range - 1.0-1.2 mm (3 specimens)

W Range - 1.9-2.3 mm

Very pitted, dull surface; all beads
in this variety rather badly decomposed,
some fibrous; doughnut and barrel shaped.

Variety z (new variety) Lemon yellow, translucent

N - 3

N875W875

F68

F56 Balks

art. light - Yellow 5.0 Y 8/8

trans. light - Yellow 5.0 Y 7/10

L Range - 1.5-2.2 mm (3 specimens)

W Range - 2.4-2.6 mm (3 specimens)

Glossy, striated surface, somewhat bubbly;
semi-barrel shaped.

Variety aa (new variety) Gold-yellow, translucent

N - 128
N1015W950 - 1
F68 - 127

art. light - Yellow 5.0 Y 8/10
trans. light - Yellow-Red Yellow
10.0 YR 6.5/10

L Range - 1.2-2.2 mm (128 specimens)
W Range - 2.4-3.2 mm (128 specimens)

Semi-glossy surface, large amount of
patina; on many beads the entire outer
layer is decomposing, leaving bead
opaque and ivory colored; bubbly glass,
striations visible; doughnut and barrel
shaped.

Variety bb (new variety) Medium blue, translucent

N - 16
N1015W950 - 1
F68 - 15

art. light - bluish Purple-Blue 2.5 PB 5/8
trans. light - no color designation
possible

L Range - .9-1.6 mm (16 specimens)
W Range - 2.4-4.0 mm (16 specimens)

Very smooth, clear surface, slightly
bubbly glass; very similar to Variety g
but with more blue color; doughnut
shape only.

Variety cc (new variety) Light Wedgewood blue, opaque

N - 7
F68

art. light - bluish Purple-Blue 2.5 PB 7/2

L Range - 1.4-1.9 mm (7 specimens)
W Range - 2.7-3.0 mm (7 specimens)

Fairly chalky, dull, pitted surface; gen-
erally larger than Variety i beads; dough-
nut and barrel shaped.

Variety dd (new variety) Sky blue, semi-translucent

N - 19
F63 - 1
F68 - 18

art. light - purplish Purple-Blue
2.5 PB 6/4

L Range - 1.2-2.4 mm (19 specimens)
W Range - 1.1-2.6 mm (19 specimens)

Pitted, glossy surface; doughnut, round
and semi-barrel shaped.

Variety ee (new variety) Yellow-green, semi-translucent

N - 71
F56 Balks - 1
F68 - 70

art. light - Green-Yellow Green
10.0 GY 6/4

L Range - 1.0-2.1 mm (71 specimens)
W Range - 1.9-2.7 mm (71 specimens)

Dull surface; glass fibrous and bubbly,
beads in a state of decomposition, some
with chalky build-up; doughnut and
barrel shaped.

Type 2 Tubular

Variety d (new variety) White, opaque

N - 1
F56 Balks

L - 3.1 mm; W - 2.8 mm

Untumbled, semi-glossy white bead; few
bubbles and slight longitudinal striations.

Variety e (new variety) Red-orange, translucent

N - 119
N955W895 F56 - 105
N861W875 F68 - 8
F56 Balks - 4

art. light - black
trans. light - Yellowish Red 7.5 R 4/12

L Range - 2.4-4.8 mm (117 specimens)
 W Range - 1.6-3.8 mm (117 specimens)

Some beads tumbled, some untumbled;
 beads usually have patina on at least
 part of their surface; some longitudinal
 striations visible.

Variety f (new variety) Blue, translucent

N - 57
 F56 Balks - 2
 F56 - 55

art. light - Purple-Blue 5.0 PB 4/10
 trans. light - Blue Purple-Blue
 2.5 PB 6/8

L Range - 3.4-5.3 mm (59 specimens)
 W Range - 2.3-4.2 mm (59 specimens)

Some beads tumbled, some untumbled;
 some with patina; few visible striations
 through elongated air bubbles often
 present.

Variety g (new variety) Light green, translucent

N - 15
 F56

art. light - Yellowish Green 2.5 G 5/8
 trans. light - Yellowish Green 2.5 G 6/8

L Range - 3.6-4.2 mm (15 specimens)
 W Range - 2.0-2.7 mm (15 specimens)

All of these beads are tumbled; very
 bubbly and unstable, probably at a
 stage less decomposed than the beads of
 Type 3 Variety a (olive green); many
 bubbles elongated, running the length
 of the bead.

Type 3 Tubular, Fibrous Surface

Variety a Olive green, opaque

N - 17
 F56

art. light - Green-Yellow Green
 10.0 GY 5/8

trans. light - Greenish-Green Yellow
7.5 GY 7/10

L Range - 2.4-3.8 mm (17 specimens)
W Range - 2.2-2.7 mm (17 specimens)

Some beads have chalky exterior; some tumbled and some untumbled; ragged ends; dull, eroded, visible longitudinal striations. It appears likely that these beads are nothing more than Type 2 Variety g beads which are more decomposed.

Type 4 Tubular, Shell (Wampum)

Variety a Purple

N - 19

N955W905 - 1	N875W875 - 1
N955W895 - 2	N865W875 - 1
N1015W950 - 4	F56 Balks - 5
N1010W990 - 1	F68 - 3
No Prov. - 1	

L Range - 3.7-6.4 mm; Average - 5.2 mm
(18 specimens)

W Range - 2.8-4.2 mm; Average - 3.3 mm
(19 specimens)

Bore Range - .5-1.3 mm; Average - .9 mm
(19 specimens)

Color ranges from almost pure white with a few lines of purple running through the bead, to a dark, rich purple. Wampum, both purple and white, has been found at Fort Michilimackinac (N - 87), Fort St. Joseph (N - 396), the Lasanen Site (N - 14,000+), the Fletcher Site (N - 1033) and the Guebert Site (N - 6).

Type 5 (new type) Metal Beads

Variety a Small beads of rolled copper

N - 26

F68

L Range - 2.0-2.7 mm (26 specimens)

W Range - 1.9-3.4 mm (26 specimens)

Bore Range - 1.0-2.6 mm (26 specimens)

Beads of this type have also been found at the Guebert and Fletcher Sites.

Series B Compound Construction

Type 1 Doughnut, Two Layers

Variety a White, opaque

N - 6780		
Backhoe Trench #1 - 3	N875W865 - 2	
No Prov. - 1	N875W875 - 70	
N955W905 - 2	F56 Balks-138	
N955W895 - 3	F38 - 1	
N1015W950 - 291	F50 - 1	
N861W875 - 15	F56 - 456	
N980W1000 - 1	F65 - 1	
N1065W918 - 1	F68 - 5794	

L Range - 1.1-3.5 mm (6780 specimens)

W Range - 1.6-4.3 mm (6780 specimens)

Inner layer of opaque white glass, outer layer of a clear glass veneer; beads tumbled, surface smooth to pitted, dull to glossy; doughnut and barrel shaped.

Type 2 Doughnut, Three Layers

Variety a Red, opaque

N - 1
F68

art. light - Yellowish Red 7.5 R 4/6

L - 1.6 mm; W - 2.7 mm

Clear center, opaque red middle layer with clear glass veneer; doughnut shaped; tumbled; Cornaline d'Aleppo style bead.

Type 3 Tubular, Two Layers

Variety a White, opaque

N - 38	
N1050W964 - 1	N861W875 - 1
N955W895 - 2	F56 Balks - 6
N1015W950 - 3	F56 - 25

L Range - 2.4-5.7 mm (38 specimens)

W Range - 2.0-3.8 mm (38 specimens)

Beads tumbled and untumbled; inner layer is opaque and bubbly, outer layer is clear glass. Some visible striations and elongated air bubbles.

Series D (new series) Composite Construction

Type 1 Tubular, Two Layers, Striped Glass Insets

Variety a White, opaque, four blue glass insets

N - 1
N955W895

L - 4.9 mm; W - 4.4 mm

Inner layer is white and opaque, outer layer is clear glass with four blue glass insets. There are a number of irregular, deep grooves in the outer layer.

Necklace Beads N - 29

Class I Drawn Beads (Hollow Cane)

Series A Simple Construction

Type 3 Round

Variety b Turquoise

N - 1
F68

art. light - Greenish Blue 2.5 B 6/4
trans. light - Greenish Blue 2.5 B 6/6

L - 4.4 mm; W - 5.5 mm; Bore 1.5 mm

Pitted surface with patina and some longitudinal striations; semi-barrel shape with rounded ends; tumbled.

Type 5 Tubular

Variety i (new variety) Blue

N - 1
N1015W950

art. light - bluish Purple Blue
2.5 PB 4/6
trans. light - bluish Purple Blue
2.5 PB 5/10

L - 12.2 mm; W - 4.1 mm; Bore - 1.9 mm

Table 48. Seed Bead Comparative Site Information

Ouiatenon Classification	Comparative Site and Classification		N	Reference	Comments
CISAT1Vc N-463 Royal Blue	Lasanen	CAT1Vb	1804	Cleland 1971:78	Lasanen beads are strictly doughnut shaped; generally somewhat larger than Ouiatenon beads, though ranges overlap.
	Michilimackinac St. Joseph	CISAT1Vc CISAT1Vd	7 226	Stone 1974b:111 Hulse 1977:100	St. Joseph seed bead frequencies based on a 10% sample of that group, sample N - 6089.
CISAT1Vg N-42 Clear	Michilimackinac Fletcher St. Joseph Lasanen	CISAT1Vg CISAT1Vg CISAT1Vb CAT1Ve	1 21 3 143	Stone 1974b:111 Mainfort 1979:381 Hulse 1977:100 Cleland 1971:78	Size ranges overlap though Lasanen beads average larger.
CISAT1Vi N-157 Bright Green	Michilimackinac Fletcher St. Joseph	CISAT1Vi CISAT1Vi CISAT1Vg	20 1173 118	Stone 1974b:111 Mainfort 1979:381 Hulse 1977:103	
CISAT1Vn N-45 Wedgewood Blue	Michilimackinac Fletcher	CISAT1Vn CISAT1Vn	53 604	Stone 1974b:111 Mainfort 1979:381	

Table 48 (cont'd.).

Ouiatenon Classification	Comparative Site and Classification		N	Reference	Comments
CISAT1Vu	Michilimackinac	CISAT1Vu	252	Stone 1974b:111	
N-2602	Guebert	#94	3	Good 1972:117	Possible; color designation in- definite
Ruby Red	Lasanen	CAT1Vc	3037	Cleland et.al. 1971:78	See comments un- der Ouiatenon CISAT1Vc
	Fort Brady (French 1755, American 1822-1893)	CISAT1Va	7	William Minnerly personal communication	
CISAT1Vw	Michilimackinac	CISAT1Vw	1	Stone 1974b:111	
N-517	St. Joseph	CISAT1Vj	2	Hulse 1977:103	Possible
Turquoise	Fort Brady	CISAT1Vw	5	William Minnerly personal communication	
	Gros Cap (Ottawa, Huron or Chippewa; last quarter seventeenth century)	CISAT1Vb	484	Nern and Cleland 1974:34	Possible; no Mun- sell designation
CISAT1Vy	Michilimackinac	CISAT1Vy	19	Stone 1974b:111	
N-7	Fletcher	CISAT1Vy	1	Mainfort 1979:381	
White	St. Joseph	CISAT1Va	13	Hulse 1977:100	
	Fort Brady	CISAT1Vy	15	William Minnerly personal communication	
CISAT1Vaa	St. Joseph	CISAT1Vf	3	Hulse 1977:100	
N-128					
Gold-Yellow					

Table 48 (cont'd.).

Ouiatenon Classification	Comparative Site and Classification		N	Reference	Comments
CISAT1Vbb N-16 Medium Blue	Fort Brady	CISAT1Vcc	1	William Minnerly personal communication	
CISAT1Vee N-71 Yellow-Green	Guebert	#33	3	Good 1972:110	Possible; color and size are the same but Good compares it to Variety <u>b</u> from Michilimackinac
CISAT2Vd N-1 White	St. Joseph	CISAT2Ve	2	Hulse 1977:105	
CISAT3Va N-17 Olive Green	Michilimackinac Fletcher St. Joseph	CISAT3Va CISAT3Va CISAT2Vb	2 174 5	Stone 1974b:109 Mainfort 1979:384 Hulse 1977:104	
CISAT4Va N-19	Michilimackinac St. Joseph	CISAT4Va Misc. Beads SBT1Va SubT1	77 396	Stone 1974b:111 Hulse 1977:115	
	Lasanen	no formal classification	14,000+	Cleland 1971:139	
	Fletcher	no formal classification	1033	Mainfort 1979:404	
	Guebert	#134	6	Good 1972:123	
CISAT5Va N-26	Guebert Fletcher	no formal classification no formal classification	-- --	Good 1972:97 Mainfort 1979:353	No count given No count given

Table 48 (cont'd.).

Ouiatenon

Classification	Comparative site and Classification		N	Reference	Comments
CISBT1Va	Michilimackinac	CISBT1Va	3365	Stone 1974b:113	
N-6780	Fletcher	CISBT1Va	44,300	Mainfort 1979:384	
White	Guebert	#107	50	Good 1972:119	
		#107a	918	Good 1972:119	
	St. Joseph	CISBT1Va	4868	Hulse 1977:106	
	Fort Brady	CISBT1Va	281	William Minnerly personal communication	
	Gros Cap	CISBT1	12	Nern and Cleland 1974:34	
CISBT3Va	Michilimackinac	CISBT3Va	142	Stone 1974b:113	
N-38	Fletcher	CISBT3Va	15	Mainfort 1979:384	
White	Guebert	#119	12	Good 1972:120	
	St. Joseph	CISBT2Va	28	Hulse 1977:106	
	Fort Brady	CISBT3Va	27	William Minnerly personal communication	

Glossy surface with numerous air bubbles and elongated surface striations; untumbled.

Series B Compound construction

Type 1 Tubular, Three Layers

Variety a Red

N - 1
N1030W1000

art. light - Yellowish Red 7.5 R 3/10

L - 13.6 mm; W - 4.6 mm; Bore - 1.5 mm

Inner layer of bright green translucent glass (trans. light - greenish Green-Yellow 7.5 GY 7/10), middle layer of opaque red glass, and outer layer of clear glass veneer; surface is glossy and pitted with some longitudinal surface striations; ends tumbled, minimally irregular. This is a Cornaline d'Aleppo bead. Stone does not date this bead, but his complex-compound construction Cornaline d'Aleppo bead is interpreted as French, 1650-1750 (1974b:100).

Type 2 Tubular, Two Layers

Variety b White, opaque

N - 1
F39

L - 11.4 mm; W - 4.2 mm; Bore - 1.6 mm

Inner layer of white, opaque glass and an outer layer of clear glass; some longitudinal striations barely visible; untumbled.

Series C Complex Structure

Type 4 Barrel Shaped

Variety e (new variety) Black with eight white stripe insets, opaque

N - 1
F68

trans. light - white stripe opaque;
black section is actually deep red -
Yellowish Red 7.5 R 4.5/2

L - 8.5 mm; W - 6.0 mm; Bore - 1.3 mm

Dull, pitted surface. These beads are
interpreted by Stone as French, 1700-
1760 (1974b:99).

Series D Composite Construction (Compound and Complex)

Type 4 (new type) Round

Variety a Clear, translucent with nine white,
opaque stripe insets

N - 1
F68

L - 3.5 mm; W - 5.1 mm; Bore - 1.3 mm

Some pitting on surface; longitudinal
striations visible. A clear bead with
white stripe insets, covered with a
second layer of clear glass. This is
a gooseberry bead (Grand Rapids Public
Museum 1977:52) possibly older than many
owing to the second layer of glass
(Tyra Lewis personal communication).
Varieties of gooseberry beads have been
found at the Gros Cap, Guebert and Fort
St. Joseph Sites.

Class II Mandrel Wound Beads

Series A Simple Construction

Type 3 Faceted, Five-Sided

Variety c Amber, translucent

N - 1
F39

art. light - Yellow Red-Yellow 10.0 YR 6/8
trans. light - Yellow Red-Yellow
10.0 YR 7/10

L - 16.1 mm; W - 9.7 mm; Bore 2.4-2.9 mm

Visible circumferential striations on
surface, not pronounced due to press-
faceting; pitted.

Type 8 Round

Variety a Cloudy, semi-translucent

N - 2

F68

F39

Under overhead lighting these beads have a very slight bluish cast; under a higher intensity artificial light there is a slight yellowish cast.

L - 7.8-9.9 mm; W - 9.9-10.8 mm;

Bore - 2.6-2.7 mm

Visible circumferential striations on surface; slight patina. Stone interprets Type 8 beads from Fort Michilimackinac as French, 1700-1760 (1974b: 103).

Variety c (new variety) Rose, translucent

N - 1

N955W905

art. light - Red-Purple 5.0 RP 4/4

trans. light - Purplish Red 2.5 R 5/10

L - 6.0 mm; W - 6.1 mm; Bore - 1.8 mm

This bead has very well defined and deep circumferential striations. Three distinct layers are visible, created during the winding process. Two deep grooves, located opposite each other and running lengthwise are present on the outside of the bead. Two grooves run parallel to these on the inside (bore) of the bead. The glass is of low quality, unstable, and is decomposing, leaving white chalky material in many places. This bead may have been loosely wrapped as a button or decoration, thus leaving the inside grooves (Tyra Lewis personal communication).

Type 16 (new type) Funnel/Conical Shaped

Variety a Dark blue, translucent

N - 1

N1015W950

art. light - Purplish Blue 7.5 B 2/2
trans. light - Purple Blue 5.0 PB 5/10

L - 8.0 mm; max. W - 9.0 mm; Bore - 3.4 mm

Fine circumferential striations visible,
width smaller at one end than at the other,
the result of the winding process.

Type 17 (new type) Irregular Press Faceted, Three to
Eight Sided

Variety a Deep rose, translucent

N - 17

F56 Balks - 3

F68 - 14

art. light - heavy patination; when the
bead was held up to the light it appeared
to be Purplish Red 2.5 R 7/8

trans. light - small decomposing bead
was Yellowish Red 7.5 R 7/8; larger, more
intact bead was Red 5.0 R 4/14

L Range - 1) 2.8-3.9 mm (7 specimens)

2) 4.1-5.1 mm (7 specimens)

Max. W Range - 1) 3.1-4.3 mm (6 specimens)

2) 4.7-5.4 mm (6 specimens)

Pitted surface, usually with a fairly
large amount of patination; visible
circumferential striations; beads are
in the process of decomposition, es-
pecially the smaller ones. All are the
same color; the smaller group appears
lighter under intense transmitted light.
Differences are apparent in the number
of facets pressed into the originally
round beads. In cross section some are
triangular, square or five-sided, dia-
mond shaped or trapezoidal. Some have
more pronounced central circumferential
ridges, creating six to eight sided beads.
These beads are closest to Stone's
CIISAT1 beads, which he interprets as
French, 1730-1760, up to 1780 in French
contexts (1974b:101).

Class III Hollow Blown Beads (new class)

Series A Simple Construction

Type 1 Round

Variety a White, opaque

N - 1

F68

L - 3.6 mm; W - NMP; Bore - NMP

This bead has one slightly elongated and lipped end and one slightly lipped end. It may be a mold blown bead since it is so small and thin and does not have the cut marks of hollow blown beads (Tyra Lewis personal communication).

Class IV Carved Beads (new class)

Series A Simple Construction

Type 1 Y Beads

Variety a Bone

N - 10

N875W875 - 3

F68 - 7

L Range - 8.7-14.2 mm; Average - 11.2 mm
(10 specimens)

W Range - 1.0-15.2 mm; Average - 10.2 mm
(9 specimens)

Bore Range - .9-1.5 mm; Average - 1.2 mm
(9 specimens)

Lengthwise, these beads are square or rectangular in cross section (stem of Y). The stem flares at one end, forming the arms of the Y. The sides are slightly concave. The arms of the Y are flattened toward the ends. Beads of this shape have been found at Fort St. Joseph, and at the Fletcher Site, where they were made of shell.

Silver N - 40

Type 1 Triangular Dangles

Small triangles of sheet silver, perforated at the apex of the triangle, and sometimes along the base for additional triangle attachment.

Variety a Ribbed sheet silver

Table 49. Necklace Bead Comparative Site Information

Ojibwa	Classification	Comparative Site and Classification	N	Reference	Comments
CISAT3Vb	Michilimackinac	CISAT3Vb	1	Stone 1974b:90	
N-1	Gros Cap	CISAT1Vd	1		
Turquoise		or			
		CISAT1Ve	1	Nern and Cleland 1974:32	Possible, no Munsell color designation
	Fort Brady	CISAT3Vb	1	William Minnerly personal communication	
CISAT5Vi	St. Joseph	CISAT5Vc	1	Hulse 1977:71	
N-1					
Blue					
CISBT1Va	Michilimackinac	CISBT1Va	22	Stone 1974b:97	
N-1	Fish Hatchery				
Red	(early eighteenth century)	#4	148	Stone 1974b:108	
	Presidio San Augustin				
	(1756-1771)	#15	169	Stone 1974b:108	
	Lasanen	CBT1Va	10	Cleland 1971:80	
	Guebert	#123	1	Good 1972:121	
	St. Joseph	CISBT3Va	66	Hulse 1977:74	
		Variant 1			
	Pearson				
	(Wichita 1775-1830)	no #	2	Duffield and Jelks 1961:49	
	Fort Brady	CISBT1Va	1	William Minnerly personal communication	
CISBT2Vb	Michilimackinac	CISBT2Vb	7	Stone 1974b:97	
N-1	St. Joseph	CISBT3Vb	112	Hulse 1977:75	
White					

Table 49 (cont'd.).

Ouiatenon Classification	Comparative Site and Classification	N	Reference	Comments
CISCT4Ve N-1 Black(red) with white stripe	St. Joseph Lasanen	CISCT3Vb not described	11 --	Hulse 1977:75 Possible; no color designa- tion Beads present in collections
CISDT4Va N-1 Clear with white stripes	Guebert	#154 or #157	6 or 2	Good 1972:126 Gooseberry bead
CIISAT3Vc N-1 Amber	Michilimackinac Guebert	CIISAT3Vc #3	1 2	Stone 1974b:102 Good 1972:112
CIISAT8Va N-2 Cloudy	Michilimackinac Fish Hatchery Gros Cap Guebert Fort Brady	CIISAT8Va #7 CIISAT1Vb or CIISAT1Vc #49 CIISAT8Va	87 34 1 or 9 4 4	Stone 1974b:103 Stone 1974b:103 Possible Nern and Cleland 1974:33 Good 1972:112 William Minnerly personal communication
CIISAT16Va N-1 Dark Blue	St. Joseph	CIISAT1Vb	1	Hulse 1977:88

Table 49 (cont'd.).

Ouiatenon Classification	Comparative Site and Classification		N	Reference	Comments
CIISAT17Va	Guebert	#24	2		
N-17		or	or		
Deep Rose		#95	1	Good 1972:108.117	Possible
CIVSAT1Va	St. Joseph	Misc. Beads			
N-10		SAT3Va	1	Hulse 1977:115	
Bone	Fletcher	no formal classification	81	Mainfort 1979:405	