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# ANALYSIS OF FLAKES RELATIVE TO FLINTWORKING TECHNIQUEST

Primary steps in the study of flintworking and surface character of stone artifacts Outline does not deal with form

MATERIALS:

(JANSING CO.

TYPE OF STONE

Flint and Flint-like Materials (silica forms)

Obsidian

Ignumbrite

Rhyolite (basalt)

Lava

Opal

Chalcedony

Hornstone

Jasper

Agate

Petrified Wood

Quartsite

Silicified Sediments

Quartz Crystal

Clevage Plane

Crystal Pockets

Cracks Checks

Inclusions

Vesicules

GRADE

Desirable Undesirable Isotropic Cryptocrystaline Homogeneous Elastic Vitrious Under Stress and Strain Adequate Size Molecular inbalance

SOURCE

-	Quarries	
	Cobbles	
	Veins	
	Ledges	
	Surface,	etc.

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Luster		- n.11
Granular		RAIGHT
	Fine	DRIGAT
	Medium	
	Course	

COLOR

FLAKES		Portions of material detached by
CHIPS	-	percussion or pressure, or both,
SPALLS		from a core or a larger piece of
Manager - sever - more factor factor		material than the original flake

### DETACHED BY:

MAN

HOOFED ANIMAL

ELEMENTS

Natural expansion, contraction & diastrophism

NAPID TEMPATURE CHANGES

INTERNAL PRESSURE

Exfoliation Dehydration Shrinkage Expansion and Contraction

EXTERNAL PRESSURE

Earth Movement Fee and Ice Movement

TIDES

TALUS

WATERWAYS

THERMAL FRACTURES

Forest Fires

FREEZINE

Range Fires

Overheated in Household Fires

# FLAKES

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	Fine retouching.	notching and serveting
	anna para (Barran Maria Carra Barran Sarah and Barran Sarah and Sarah and Sarah and Sarah Sarah Sarah Sarah Sa	Dlala (D to it it it)
Sma 11		Blades (Prismatic) (Mi
Medium	Specialized Flater	Parallel Sides
anton Cher Vington Gener, Mill Status Cheroni	Specialized Flakes	Two Dorsal Ridge
Large		Micro Blades
		Burin Blades
LENG TH		Sidestruck Flakes
Short: Lengt	th = Width	Uniface. European
Medium: 2 x ]	Length = Width	Channel Flakes
Long : 3 x ]	Length = Width	Hinge
Xtra Long. 4	Or More y Tenath - West	Reverse Hinge
1	or more a hengen - widt	Erailure
WIDTH		THINNIAGON
GIRCOMMA		
ormal		
nick - Tabular	TPicht onenlag at 1	
	Aight angular sides	
	Sections of cleaved fla	akes
	Sections of pebbles	
	Sections of rodules	
	Becchons of modules	
raight	Dorsal	
rved	8	lource
ingl	S	hape of Flake
- Demred Did	Ventral	
e Dorsal Ridge		lodo Beobriero
o or more Dorsal	Ridges	loggible Heat W
tennen finnen an angen an	<u>r</u>	Ossible Heat Treatment
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#### Proximal End

N 15

Size of Platform Preparation of Platform Character of Bulb or Pressure or Percussion (Erailure) Direction of Force Scars (Striations) Presence of bulbar scar Angle of Platform Polished Abraided Order of Flaking

#### Distal End

Feather Edge Hinge Fracture CompRESSION K Nes Undulations Shock Fracture End Character

Planned Thermal Treatment

(Quartz Family)

Heated Unheated Overheated Crazed

Color change(Cortex) for identification Crazed Checked, potlids, exfoliation

Cores

Ell flaked stone artifacts are cores if the surface of one or more sides are covered with flake scars. Shape will help indicate technique

Conical				
Cylindrical				
Rectangular				
Uniface				
and and a second se	Turtle	back,	not	European
Biface				
Multiface				
Utalized Con	res			
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No bulbs of force

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Number of flakes per inch

Irregular - Random(Preform) Percussion & Indiscriminate Pressure Regular Wide Medium Narrow Parallel (Right Angle) Oblique Double oblique Chipped from one edge only Order of Flake Removal Radial Scars indicate direction of force Angle (CROSS SECTION) Thinning Hinge Fractures Ripple Released at Center Depths of Crests and troughs No Flutes (TROVEHS) Bulbs of Force Unflaked Surfaces With flats, indicative treatment

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discussion and	and an address of the second s	-

Irregular				
Regular				
	Beveled			
	Sharp			
	Dull			
	Sinuous			
	Alternating			
	Ground			
	Polished			
	Serrated			
	Deep			
	Mediu	.OW		
	Manne	r of Remove	7	
1000		- OL ROMOVA	TCrushed	
			One Side	
			Both Sides	

200 PX

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BASAL ASPECTS

Thinning	
Fluting	
Grinding	
Polishing	
Hafting Technique or Note	ching
side	Preparation
Corner	Single Flakes on both sides
Basal Narrow	Multiple Flakes on Both Sides
Wide	Widening of Notch after Narrow Opening
Goncave	
Conver	
ObitVeA Others to bet	Specialized Hafting
Straight	
Recurved	

CROSS SECTION

Convex Double Convex Diamond Strength May Indicate Function

TIPS

Sharpening Methods Direction of Flakes

NOTE

THE COMPLETED ARTIFACT MAY NOT INDICATE PRELIMINARY STAGES OF MANIFACTURE