Aberrant ~

Aboriginal

Acuminate: ~

Aeolian Deposits:

Alternate Flaking:

Amorphous :

Amputated: N

Angle of Force:

Anterior: V

Anvil Technique:

Applied Force:

Artifact:

artificer V

Deviation from normal - odd, peculiar.

Original inhabitant; primitive, simple, unsophisticated.

Tapering to a point - pointed.

Wind blown deposits characteristic of relatively dry periods, i.e. interpluvials or glacials with low precipitation (Francois Bordes)

Flakes removed alternately from the same edge from first one side and then the other. Applies to both pressure and percussion.

Denoting an irregular shape. Of no determinate form.

The severing of a flake, blade, or artifact either by applied force or end shock.

Angle offered as the result of applying force-either by percussion, indirect percussion, pressure, or the combination of pressure and percussion. In toolmaking, the application of force requires two angles. to detach a flake or blade. First angle is perpendicular to the long axis of proposed flake or blade and the second angle is an asute angle to the top of a core or lateral margin of the artifact.

Top. End opposite the posterior. Example: the platform surface of a core is the anterior portion.

Objective piece is projected on/or against a stationary object of sufficient hardness to accomplish fracture.

When the type of force is unknown, or questionable, the term "applied force" is substituted until the actual technique is verified - whether it be percussion, indirect percussion, pressure, or a natural force.

Derived from the Latin word "facer" = to make. Primordial objects devised, produced, or modified by man (modification may be either by intent or by of function). This text is primarily concerned with lithic artifacts and the fracturing implements necessary for their manufacture.

S

See "Filintenapper"

Attribute of Form:

Attribute of Technology:

Characteristics and peculiarities of shape which show an indication of traits.

Techniques having diagnostic value which show modes of manufacture, characteristic traits, and patterns of human behavior.

Axis of Applied Force:

See "Angles of Force".

Backed:

Glossary - 3

The intentional dulling of one margin of a flake or blade by removing a series of flakes from the lateral margin opposite the sharp edge. Edge is dulled in this manner to serve as protection for the hand when force is applied to use the other edge.as a cutting implement. In some instances, the toolmaker took advantage of natural backing, such as cortex, to serve as the same dulling media. The method of blunting may be of diagnostic significance.

> A projection on the lateral margins of an artifact - sometimes near the base - which slants in a direction from the distal toward the proximal end. Usually made with the notching technique. Probably made to prohibit withdrawal.

Intentional smoothing of the proximal end of an artifact to prevent cutting the serving. Accomplished by rubbing the base of the artifact on some type of abrasive material. Usually done to facilitate hafting.

The proximal end. See "proximal end".

A technique of removing either unifacially or bifacially one or more longitudinal flakes from the edge as the proximal end. Usually done to facilitate hafting.

Darkignious rock with variable textures.

The use of a rod-like percussor to percuss flakes or blades. The percussor the objective piece. Which will yield when applied to the objective piece. Batons may be of antler, horn, bone, or wood.

A hooked projection made by unifacial flaking (

Flakes generally detached by pressure retouch commonly on a diagonal. Flakes detached by this technique have a pronounced curve on the plane of fracture. They leave scars on the artifact which extend from one lateral margin, past the median line, and toward the opposite edge.

Nuclei which bears scars showing that flakes, or blades, were detached from more than one direction.

Scars on cores or lithic tools which are the result of removing blades or flakes by applying the force from more than one direction.

Barb: V

Basal Grinding:

Basal portion:

Basal Thinning:

Basalt: V

Baton or Cylindrical hammer Technique:

Beaked: V

Bending Flakes:

Bi-directional^N Core:

Bi-directional 🗸 flake and blade scars:

Biface: C

Billet:

Bi-polar:



Blade:

Blade Tools:

Blank:

Block-on-Block:

Breccia: V

Bulb of Applied V Force:

Bulb of Percussion:

Bulb of pressure:

Glossary - 4

Artifact bearing flake scars on both surfaces.

A club-like rod of material, other than stone, used to detach flakes from lithic material. Usually of wood or antler.

Technique of resting core, or lithic implement, on anvil and striking it with a percussor. Contrary to popular belief, bulbs of force are not present on both ends of flakes or blades but, rather, there is a complete absence of this scar. This technique causes the cone of force to be shattered or severed.

An insert of bone, antler, ivory, or metal into one end of a handle, or crutch, to make a composite pressure tool. The tip of the pressure tool.

Specialized flake with parallel or sub-parallel lateral edges; the length being equal to, or more than, twice the width, Cross sections are planoconvex, triangulate, sub-triangulate, rectangular, trapezoidal, and those with more than two crests or ridges. The most typical is trapezoidal.

Tool made from a blade previously detached from a core.

A useable piece of lithic material of adequate size and form for making a lithic artifact - such as unmodified flakes of a size larger than the proposed artifact, bearing little or no waste material, and suitable for assorted lithic artifact styles. Not yet to the preform stage.

Method of removing flakes by swinging the core against an anvil. Produces large thick flakes. Used extensively in the Clactonian culture. (Francois Bordes)

Conglomerate of reck and detritus consolidated by a bonding mineral.

The bulbar part on the ventral side at the proximal end of a flake. The remnant of a cone part, the result of the application of either pressure or percussion force. Commonly called the "bulb of percussion" **KTER**, which indicates only one group of specialized techniques. Since the bulb of force is produced by both pressure and percussion, the term "bulb of applied force" should be used until the manufacturing technique is verified.

See Bulb of applied force

See Bulb of applied force.

Burin: ~

Burin Blade:

Burin Core:

Burin Spall:

Burin Scar:

Burin Break:

A chisel-like implement derived from a flake or blade; or the modification of other implements by using the burn a special technique of removing the edges vertically to the long axis and/or transversely or obliquely. Generally causes a right angle edge to be formed on one or both margins. The specialized flake removed as a result of the burin break is called a burin blade.

> A specialized flake removed from a burin core, generally rectangular in transverse section. The dorsal side of the blade generally shows a single blade scar with lateral margins at right angles. The first burin blade removed from the core may show numerous variants, depending on the type of material used and because it bears scars of the worker's preparation to establish a ridge to guide the first blade.

A core made from thin, tabular flakes, blades, or lithic implements from which one or more burin spalls have been removed. May serve as a tool or a source of burin blades, or both.

Specialized flake or blade removed from a burin core. Because of the nature of the core, the burin blade must be thick in relation to its length and is usually triangulate or rectangular in crosssection. Such a blade has important functional value because its form supplies strength without bulk. Made by both the pressure and percussion techniques.

The negative scar found on a core or core tool, which results from the bulb of force Zeither percussion or pressure. The mould of the cone part resulting from flake detachment.

Scar left on flake or blade resulting from the . removal of a burin spall.



Cast:

deposite. Mould which nature has filled with various mineral substances. There are both natural and artifical casts.

Glossary - 6

Chalcedony:

Chalcedonic /

A cryptocrystalline variety of quartz, predominately silica and having the near luster of paraffin wax. May be transparent or translucent and of various tints. Chalcedony with different colors arranged in strips or layers is called agate. If the stripes or layers are horizontal, it is onyx. Chrysoprase is green chalcedony. Carnelian is flesh-red and Sard is either greyishred or brown.

Of/or pertaining to chalcedony. Impure; mixed; adulterated; or impregnated with foreign matter. Opaque and of various colors.

A fine-grained siliceous rock. Impure variety of chalcedony resembling flint. Generally light colored.

See "Flakes".

Large unifacial tool with the cutting edge flaked from only one side. (Francois Bordes)

Core tool often made on a cobble by bifacially flaking one end. If unifacially flaked, it could play a dual role - that of a chopper and as a core from which flakes were derived.

A tool approximately U-shaped with one transverse cutting edge. Bifacial cleavers resemble truncated handaxes with straight or oblique edge at the tip. Flake cleavers are made by allowing the "tranchet" (percussion) blow to intersect the primary flake surface to produce a sharp cutting edge.

Tendency of the material to split along either the natural structed planes, bedding planes, crystallography, and/or planes of non-homogenity.

A diagnostic fracture on a plane surface which resembles and has the characteristics and form of half a bivalve shell. It is the result of definite striking patterns. The striking area would be at the "hinge" part of the bivalve shell and the conchoidal fracture below on the part that was plane.

Chopper: 🗸

Chert: L

Chips: \

Chopping / Tool:

Cleaver:

Cleavage plane:

Conchoidal: Conchoidal V Aractuse

Collateral Flaking:

Colluvium: .

Commingle: ~

Compressor: V

Implement used by the flintknapper to exert pressure to the artifact.

To mix or mingle material from two or more

Compression Hings:

Cone of force.

Core: V

matural

Nucli. A mass of material often preformed by the worker to the desired shape to allow the removal of a definite type of flake or blade. Piece of isotrophic material bearing negative flake scars or scar. Cores can be embryonic - such as a piece flakes or blades, detached. Or the may be more sophisticated such as the Mexican Polyhedral core. All flaked tool industries are represented by either flakes or cores.

A core which has consistency of form and technological traits showing elements of culture.

Natural surface, or rind, on flint-like materials.

Multiple intersecting "moon-like" cones on the surface of vitreous rocks resulting from either intentional or natural pounding, tumbling, or bruising.

Core Type:

Cortex:

Cratering:



Ripple rings radiating from the point of force. Can be both positive and negative - on core, flake the positive or blade. Can be compared to ripples formed in a pool of still water after the dropping of a pebble. These are more prominent with percussion than with pressure.

> The formation of a cone is the result of force applied to materials which have the property of isotrophism. When force is applied vertically to a flat surface, the force will spread causing a cone to form. The apex of the cone will be truncated in proportion to the surface contacted by the agent transferring the force. Each flake is a cone part - or part of the bulb of force.

Taplement used by the oldered

Hill-wash material.

sources.

Expanding flakes removed from the lateral edges of the artifact at right angles to the longitudinal axis.....Hidges, or crests, are not used to guide the flakes and the technique is varied. Can be produced by percussion, indirect percussion, or pressure, depending on the size of the flaking. Crazing:

Crest:

over-heated siliceous materials.

Minute surface cracks - generally cross-hatched caisong the surface to be weakened Common in

Word used to denote both the raised portion on the marginal parts of a flake or blade scar and the ridge between two parallel flake scars. Edges of the concave plane of fracture. The opposite of trough.

Crude:

Crutch:

Cryptocrystalline:

Debitage:

Debris:

Denticulation:

Detritus 1

A word often used - and widely misused - to describe character of aboriginal artifacts. The state workmanship must be related to the material before the word "crude" is applied. Embryonic, inferior, or bad work found, on good material could well be or bad work found on good material could well be he called "crude". However, the finding of less make controlled flaking on poor material may indicate the that the worker was, indeed, a skilled fabricator and to have accomplished flaking. Also to be con- by sidered is the intent and ultimate design of the begine outer - digging tool and, therefore, not wanted, or bothered with, the more refined flaking about of pothered with the more refined flaking character. Also to be considered is the "learner" or "beginner". Some analyse may consider the preform work as "crude" whereas the rospect way into the preform work as "crude" whereas the rospect way into the trankly flaking in This manner to allow for further this right with a chest A wooden staff of varying dimensions with a chest rest cross-piece at the upper end and a pressure tip inserted at the working end. The shoulder crutch is a small version of the chest crutch. Size and construction depends on the type of work to be accomplished and individual preference. Usually used as pressure tools, but can be used in a combination of pressure and percussion.

> A fine-grained crystalline rock but having distinct particles which are unrecognizable without the aid of magnification. The size of the microcrystals determins the texture.

To weaken, abote diminul

Residual lithic material resulting from tool manufacture. Useful to determine techniques and for showing technological traits. Represents intentional and unintentional breakage of artifacts either through manufacture or function. Debitage flakes usually represent the various stages of progress of the raw material from the preform to the finished stage.

Waste material - such as quarrying or mining waste having little or no difinitive characteristics.

Prominences resembling teeth similar to those on a saw. Tooth-like serrating on margins of artifacts. Diagonal Parallel V Flaking:

Diastrophism: 🗸

Diffused bulb

Direct Free-hand:

Direct Rest: ~

Discoidal Core:

Dorsal L

Double Diagonal V Flaking:

Downward and Outward V Pressure: The process, or processes, by which the crust of the earth is deformed - flexures and folds of strata and faults.

Bulb of force lacking the definition of the cone part. Bulb is disseminated, indicating a broad contact with the pressure or percussion tool. Common to the billet technique.

A method of holding the material to be flaked in one hand without the aid of a rest and directing the percussion or pressure implement with the other hand to detach flakes or blases .

A method whereby the objective piece is supported on an anvil-like object during the flaking process.

Bi-convex core having flakes or blades removed from

Outer surface. Keeled part of blade or flake. Part away from the core. ?

Parallel diagonal flakes directed toward the base of the artifact. A herringbone, or christmas tree & pattern results. A most difficult technique becausé one must either be ambidexterous or must completely reverse both the platform preparation and the direction of force.

Method of coordination of muscle motor habits which allows the worker to push down and out to detaching of a flake or blade from a core at the proximal and and, at the same time follow through to the point of release at the distal end. Ratio of downmed valitions presser is adjusted by the comber to control the character of the flake.

Glossary - 9

Elasticity:

Elastic Limit:

Elastic Rebound

End Scraper:

End Shock:

End View:

Eraillure Flake:

Exhausted:

Exhausted tools:

Efferiment V

The property of stone to return to A former state after being depressed by application of force. Ideal lithic materials are almost perfectly elastic.

The maximum stress a speciman can withstand before fracture occurs.

The inherent property in certain materials allowing the recovery of elastic strain.

Beveled implement made on flake or blade with working edge on one or both convex ends. The bevel is formed by unifacial flaking.

Transverse fracture due to the stone exceeding its elastic limits. The result of rebound and recoil. Failure of the material to before fracture occurs.

When the artifact is held longitudinally to the viewer, the "end view" is either the proximal or distal end, depending on which way the artifact is held.

An enigmatic flake formed between the bulb of force and the bulbar scar. Usually adhers to the core in the bulbar scar area. The eraillure flake, itself, leaves no scar on the core. The dorsal side of the eraillure flake bears no compression rings but the ventral side of the eraillure flake does bear5compression rings which match the scar left on the bulb of force. The eraillure flake is convex, concave. Example: Mendel lenz. (Menicus)

Used up. Consumed - either from function, wear, or by the stoneworker.

Artifacts which have been rendered useless because of resharpening. Cores consumed from flake and blade removal or from rejuvenation.

To try to prove by experience. perpetition from his experiences the mains emperied until the stone attract has been replicated motenly in from but allo represented plake seals inflick have dette also stone tope

Glossary - 10

Face:

Facet: V

Fact:

Fatigue:

Feathering:

Fire Checks: V

Fissures:

Flake:

Flaker:

The dorsal or ventral surface of the artifact.

Either a natural or artifical plane surface. If artifical, facet is produced by maked mothes intentional grinding. That to be used when describing parts of flake scars.

Derived from "Factum" - to do. An act or deed.

Undetected strains induced in lithic material causing molecular stress and weakness. Generally due to improper recovery of elasticity.

A technique which produces a flake which terminates in an edge without margin. Produces blades or flakes with keen edges and distal ends. that are very phase.

Distinctive minute cracks in stone, Usually, the rectangular in shape. Appears in chalcedonic rocks which have been either heated or cooled too rapidly. May be associated with planned thermal treatment or merely, the result of accidental heat contact. Excessive heat will cause rocks to become granular and scaly and will usually change the color to a porcelain white.

Lines of radii usually originating at the margins of the flakes and directed toward the point of force. Fissures are not cracks but are crests and troughs. The appearance of fissures on the bulb of force usually indicates that a percussion technique as used. Fissures are also known as "hackles".

Any piece of stone removed from a larger piece by the application of force - either intentional we or by nature. A portion of isotrophic material we were a bulb of force and a platform at the proximal end. The flake may be of any size or dimension, depending on which technique was used for detachment.

A pressure implement used to remove flakes during the process of forming or sharpening. Same as compressor. The word "flaker" relates to pressure flaking whereas the implement used for percussion work is referred to as a "percussor".

Flaking: -

Flake type:

Flat Flaking: ~

Flint:

Flints: V

Flintknapper:

Flint=like:

Flute: L

Fluted Point:

A projectile point bearing one or two longitudinal flake scars from base toward the tip on one or both faces of the artifact. Transverse section is bi-conveve if both sides are fluted. If only one side is fluted, the transverse section is then concave-convex, or plano convex.

Leaf-shaped.

Foliate:

Groups of Flakes which bear technological attributes showing rhythms and prototypes of their mode of removal from a core.

Process of removing small pieces of material from

objective piece by pressure, percussion, indirect percussion of the combination of pressure and

percussion.

A technique of removing flakes to result ina a plane surface.

S siliceous material ideally suited for flaked implement manufacture. Responds well to the application of force, either percussion or pressure. Usually a fine-grained rock of the darker shades. Occurs as nodes or nodules in limestones and chalks as rounded or irregular masses.

A general term denoting all flaked artifacts made of stone. Associated with the Brandon, Engl flintknappers of England who percussed pieces of flint to be used as flints for the rifles.

One who forms stone implements by controlling the fracture of the material. An artificer.

Used to refer to any lithic material which reacts kike flint when subjected to force. Material having the properties of isotrophism and somewhat cryptocrystalline and homogeneous.

semi-concave

A negative/flake scar having parallel sides. The result of force applied to the objective piece which has previously had special preparation of the surface and platform area to accomplish fluting. A concave trough on the artifact from the proximal toward the distal end. Generally related to blademaking and basal thinning of projectile points. Produced to allow provide special hafting. The act of removing a channel flake the vertical length of the artifact.

Geometric Microliths:

Small geometric edged of pointed Tools. The perges, transverse sections. Common forms are rectangular, triangular, lunate and other forms. Some margins are steeply retouched. Believed to be used as inserts And making a composite tool.

Graver: V

a functional A stone implement intentionally designed to be painted. Used to incise or form organic materials & and soft stone.

Gravitational V Center:

An imaginary point located in the center of a mass which is the center of gravity. Must be considered when subjecting lithic artifacts to force.

Grinding: V

Grindstone: V

A dual-purpose preparation technique. Weakens a plane surface and strengthens a rounded surface. Accomplished by grinding the area with and abrasive stone. The platform, Core top, margins of artifacts with an also used for forming

Abrasive stone composed of bonded granules of rock. Abrasive stones with various sizes of granules and different bonding agents are selected to conform to the lithic material being formed or sharpened. Generally, the harder the material being worked, the softer the grindstone.

Hackles:

Hand-held:

Hinge Fracture: V

Homogeneous:

Hypothesis: V

Of like substance.

Of the same structure, nature, or kind throughout.

Derived from the Latin word "supposito" = to suppose. Implies the existance of a fact based on what is observed.

See "Fissures".

Manner of holding the objective piece in the left hand while force is exerted by the right hand through the percussor or compressor.

A fracture at the distal end of a flake or blade which prepents detachment of the flake **dua** its proposed terminal point. A hinge fracture terminates the flake at right angles to the longitudinal axis and the break is usually rounded or blunt. Not to be confused with a step fracture. Ignumbrite:

A silicic volcanic rock forming thick, massive, compact, lave-like sheets usually covering a wide area. The rock is chiefly a fine-grained rhyolite tuff formed mainly of glass particles welded by incandescent volcanic cloud. Often confused with obsidian.

Rock formed by solidification of hot mobile

material called magma.

Impact Scars:V

Inclusion:

Indirect Free-hand:

In situ: V

Intermediate /

Interval of **Contact** Contact: 1.4

Interval of Spacing: Spacing: Solutated flatform Isotrophic:

Un which the

A percussion technique that involves striking a punch-like bool with a percussor while the indiobjective pièce is held in the unsupported pand. Normally requires the services of a second person.

Radiating fissures on bulb of force generally due

to percussion technique and the use of a hard percussor, the result of using a hard percussor the two percussion technique in stand An impurity of foreign body, which deters the

homogenity of the lithic material.

Natural position of an object or material. Where first formed or deposited. Undistarbed.

A punch-like object of antler, bone, wood stone, or metal, used to impart force to a predetermined area on either a core or stone tool. Worker strikes the base of the punch with a percussor.

Factor of contact time between the percussor and the objective piece. The hard percussor has a short interval of contact for it deliveres instantaneous concentrated force. The softer percussor has a longer interval of contact because it is more yielding and therefore allows the force to be applied more slowly.

The spacing distance between the marginal flake scars.

Material having the same properties in all directions. Typical of amorphous substances and of crystals of the isometric system. In an isotropic elastic medium, the velocities of propogation of elastic waves are independent of direction.

to conlate or advices em which has been

prominend

Jade:

A metamorphic rock of varied colors. Gem variety is apple-green and waxy-shite. A me material of extraordinary toughness but only six and one-half on Moes scale of hardness. Must be formed by grinding - not flaking.

An impure variety of chalcedony formed in . various opaque colors. Adaptable for flaking and formingento stone artifacts.

Jasper: V

Keel: V

Knapper:

Knapping: L

Knife.

Ridge formed by a feathering termination of flakes at the median line. Can also be a single ridge on the dorsal side of a blade - generally on the median line - resulting from a previously detached blade.

One who works stone by flaking, i.e. flintknapper or artificer. Old world term possible derived from the knapping hammer used by stone masons.

Process of fracturing stone by the percussion Z technique luck not includes pressure techniques Stone implement made to serve

Stone implement made to serve as a cutting tool by unifacially or bifacially flaking one edge. An unmodified flake or blade with a keen edge can also serve as a knife. Or a flake or blade with a sharp edge can be intentionally backed on one edge to protect the **purking** than the cutting motion is exerted to the keen edge. Lame a crete:

Lanceolate:

Lateral margins:

Leading Edge:

Working part of either the stone implement or core which is nearest the knapper. Edge of the objective piece facing the knapper.

Margins of flakes, blades and other stone tools on either or both sides of the longitudinal axis.

First blade removed from a core. Bears bi-directional flake scars on the dorsal surface, the result of the worker preparing

a ridge to guide the blade.

Lance or spear-like.

Levallois Technique: A special core preparation technique which allows the percussion removal of flake implements requiring little or no modification. The Levallois tool is plano convex and is characterized by intersecting flake scars on the dorsal side. Generally, only one or two useable flakes are detached before the core is discarded. Thistechnique encompasses several methods of flake removal.

flake or blade Projection found on core/or stone tool which results from the bulbar scar. A concavity causing an overhang. Usually found on the leading edge.

Derived from the Greek word "lithos" = stone. Pertaining to stone.

The area of the artifact bounded by the proximal and distal ends and both lateral margins.

The thickness of the artifact between the dorsal and ventral side and bounded by the proximal and distal ends.

Lip:

Lithic: V

Longitudinal Lateral V Section:

Longitudinal Transverse Section:

Marginal Fissures:

Marginal Grinding:

Mass: V

Median Line:

Menicus:

Method:

Microblade: V

Microburin:

Microburin' Technique:

Micro Core:

Micro Flake:

See "Fissures".

Process of smoothing edges to facilitate hafting and to make margins stronger and more regular prior to flaking. and picklate hafting.

A quantity of matter forming a body.

Mechanics of Internation and rorce applied to material. The principles of motion and rorce applied to material. The principles of motion and rorce applied to material. The principles of motion and rorce applied to material. The principles of motion and rorce applied to material. The principles of motion and rorce applied to material. The principles of motion and rorce applied to material.

An imaginary line pertaining to the middle part of the artifact from the proximal to the distal end. Can be on either face.

Concave on one side and convex on the other. (See eraillure flake)

A characteristic mode or manner of procedure.

Small specialized flake three times as long as wide with parallel or sub-parallel lateral margins. Dorsal side must bear two or more scars resulting from previous blade removal and they must point in the same direction as the blade is detached.from the core. Diminutive blades generally made by the pressure technique. Common to some Arctic cultures. (See "blades")

Waste product not intended for function. Usually the proximal or distal end of a blade. Residue of geometrical microlith industries. Not to be confused with either a diminutive burin spall or burin core. Can be made by a special technique of severing prismatic blades.

Method of severing blades to make geometrical microliths. Technique requires weakening the blade by marginal notching and then breaking it at the notch.

Nucli. The material remaining after microblades have been detached from the mass.

Diminutive pressure flake resulting from forming, serrating, notching, and retouching.

Microliths: L

Mingle: V

Morphological / Typology:

Multi-directional Core:

Naturefacts: (Pseudo tools)

Negative Bulb V Scar:

Negative Bulb v of Force:

Non-undulated: V

Notching: V

Nuclei:

Very small geometric form tools commonly used in composite tools. Formed from prismatic blades, using the sharp unmodified lateral edges as the cutting part of the tool.

To mix or mingle material from one source.

an unreliable method Soience of typing stone tools by their various forms. This can be misleading, for tools having the same form may well have been produced by different techniques and intended for different functional purposes. have different tech. attributes

Core having scars showing that flakes or blades were removed in more than one direction.

Pseudo artifacts caused by natural soil movement, glaciation, wave action, high velocity water movement, gravity (such as alluvial fans or steep inclines), rapid temperature changes, internal pressure (such as starch fractures and pot lids), exfoliation, tectonic movements, diastrophism, solifluction, foot trampeling and other unintentional activity caused by nature rather than by man. These conditions can base flakes to be removed in such a manner that they may resemble embroynic tool.

Scar made by the removal of bulb of force when detaching a flake or blade. Usually associated with the core.

Slight depression at the proximal end of flake or blade scar. An imprint of the cone part always on the objective piece and not on flake or blade.

Flakes and falke scars showing the absence of compression rings on the plane of fracture. Related to material and special techniques.

Technique of indenting the base of a projectile point or knife to facilitate hafting. Usually by the pressure technique. Several traits may be identified. Neep servations are a trait of moleking.

The core. Nucli= singular; nucleous or nucleuses = plural. A central mass or a kernal. Part remaining after removal of unwanted portion. on excess material, or after flakes or blades have been detached. Core tool could be a nuclei artifact.

	Glossary - Horney
Objective Piece: 🧹	Lithic material being worked & Can be nodule, flake, blade, blank, preform, core, uniface, biface, of any perrutation of object to completed form. Flake, core, blade or artifect being formed by various flaking techniques.
Oblique Flaking:	Flakes removed diagonally to the long axis of the artifact. Parallel flaking directed diagonally across the surface of the artifact. Direction ? is usually from the upper right to the lower left.,
Obsidian:	Igneous glassy, volcanic rock. Generally blawk although some deposits are red, greedor brown. IS often Banded and of different degrees of transparency. Well suited for flaked implement manufacture for it produces a very sherp cutting edge.
Obscure Side:	Term used to denote the underside, or unexposed face of an artifact. Used to help explain the holding method during pressure flaking. For example: During the flaking process, the artifact is generally held in the place of the hand and flakes pressed off the face resting on the palm. This face is not visible to the worker and, there- fore, it is called the "obscure side".
Overhang: 🗸	See "Lip".
Ovates:	Long oval implements. Can be blanks or preforms.

Long oval implements. Can be blanks or preforms. Elliptical. Bifacial or unifacial. Parallel:=

Parallel Flaking:

Patina:

Percussion Flaking:

Percussor:

Permutation:

Phylogeny: "

Picks:

Plane of Cleavage:

Plane of Fracture:

Phano Convex:

:

0 to 180 degrees.

The last of several stages of pressure retouch. Artifact surface must be regular and uniform before precision parallel flaking can be accomplished. The flakes resemble micro-bladelets and are removed in sequance at right angles from the lateral edges.

An alteration of the surface by molecular or chemical change and not to be confused with sand blasting.

A method of striking with a percussor to detach flakes or blades from a core or mass. Percussion flaking includes without techniques used to remove flakes by either impact, collision or concussion.

An implement used for striking. Includes hammers, hammerstones or billets.

Interchange. To change one thing for another.

Axis of longitudinal median line of flake and Z flake scar.

The line, or lines, of direct decent in a given group.

Long narrow, thick, core tools. Prominent keel on dorsal side and plano on ventral side. Pointed on one or both ends.

The splitting, or tendency to split, along planes determined by crystal structure, or by bedding planes in sedimentary rocks. Parallel planes of weakness within the structure which destroy the homogenity of the material.

The surface on the ventral side of the flake bearing the positive scar of the bulb of force; the negative scar being on the core or stone tool.

Flat on ventral surface - curved on dorsal surface. Common to unifacial artifacts.

Platform: /

Platform , Angle:

Point of Contact:

Polishing: 🖌

either natural or prepared. The truncation of the cone part. The angle of the platform measured from the dorsal

The table, or surface area, receiving the force necessary to detach a flake or blade. Can be

to the ventral side. At right angles, or less, to the longitudinal axis. Angle of platform on flake or blade corresponding with parental platform angle of core.

Platform part, or cone truncation eaused by the forceful meeting of percussor and objective piece.

To make smooth by rubbing with fine abrasive material. Strengthens the platform. Can also be the result of function.

Nuclei. Core bearing multiple blade scars. Generally cylindrical.

Bottom, base. Opposite of anterior.

Rounded (onion-shaped) protuberance found on the ventral side of a flake or blade at the proximal end. Bulb is part of the cone of force.

A plano convex flake leaving a concave scar. These are the result of differential expansion and contraction of isotrophic material but are minus the compression rings of force lines usually associated with these conditions. Generally they are a natural occurance rather than intentional results of man made flakes.

Pre = prefix denoting priority, first. Form, from the Latin "forma" = to shape. Preforming denotes the first shaping. Preform is an unfinished, unused form of the proposed artifact. It is larger than, and without the refinement of the completed tool. Generally made by direct percussion. It is thick, with deep bulbar scars, has irregular edges, and no means of hafting Not to be confused with a blank.

A precision method of thinning by which the worker controls the direction and termination of the flakes at the median line of the artifact.by applying either the parallel or collateral flaking technique. Flakes are intentionally terminated in a hinge or step fracture at the median line to allow flakes detached from the opposite margin to meet and intersect these fractures.

Polyhedral / Core:

Posterior V

Positive Bulb //

Pot Lid: V

Preform:

Precision Thinning: . 1

Pressure Flaking:

Primary Retouch:

Primitive:

Prismatic V Blade:

Projectile Point:

Pseudo J Tools: Runch

Punch: Technique: Process of forming and sharpening stone by removing surplus material in the form of flakes from the artifact by a pressing force rather than by percussion. There are various individual techniques of pressure flaking.

Removal of irregularities on the artifact by the pressure technique.

Pertaining to the beginning or origin or to early times. Original, first, primary, primordial.

Bong, narrow, specialized flake with parallel sides. Trapezoidal in section and generally bearing three ? prism-like facets on the dorsal side. Associated ? with blades removed from a Polyhedral core.

Spear, dart, or arrowpoint.

See "Naturefacts". an intermediate tool of antley bone, word, metal

A method of applying percussion force to an intermediate tool (punch). The punch can be antler, bone, wood, metal, or stone.

Random Flaking: C

Recoil: V

Rejuvenate:

Residual Core:

Retouching:

Ridge:

Ripple: V

Multi-directional, multiform and without order for making the artifact regular in form. Used without further refinement; or a stage of primary retouch prior to precision flaking.

Rebound. Recovery from the shock due to the sudden application of force. Does not exceed elastic limit of material.

To renovate, renew, restore, re-create, or re-establish.

An amorphous core without definite form, having the platform area exhausted. Bears scars denoting the removal of flakes or blades.

A technique used to thin straighten, sharpen, smooth and make the artifact more regular in form. Generally involves the use of pressure in one or more stages. Retouching usually follows percussion preforming. Before precision pressure work may be accomplished, one must first remove all irregularities on the objective piece by a primary retouch and then do a secondary retouch.

A projection. The intersection of two surfaces forming a salient angle withe median longitudinal lines of an artifact romboidal in section. Long crest, or spine, either natural or the by unifacal or bifacial flaking. Generally used to guide the xfirst blade from the core.

Waves appearing on the plane of fracture. Compression rings. Characteristic to solids which have the properties of viscous liquid.

Salient bulb: V

A bulb of force having good definition of the cone part. Indicating a confined contact area of force.

Sandstone:

A sedimentary rock composed of sand and bonding mineral. Generally used for grinding and polishing. Very compact and homogeneous varieties can be formed into various artifacts by percussion flaking.

Scalar Faking:

Serrating:

Shearing: V

Shear Stress: V

Side-View:

Side Scraper:

Siliceous: -

Silicification:

Silicified slate:

Silex:

Sinuous:

Trregular expanding flake scars, overlapping to resemble scales. May be the result of pressure or percussion.

Indenting the edges by alternating the removal of flakes, or repeating notches at regular intervals.

Technique of turning the edge by wiping a rod-like pressure tool along the margin while pressing inward. Rapid method of forming and platform preparation prior to pressure flaking and for forming.

To sever from opposing forces.

The lateral edge, or margin, of the artifact when it is held horizontal to the viewer.

Implement with beveling on one or more margins of a flake or blade. To allow a strong Cutting

Of/or pertaining to silica. High silica content.

The introduction of, or replacement by, silica.

Slate with a high silica content causing it to be much harder than normal.

A term commonly used to define Old World rocks of a siliceous or chalcedonic nature. Possibly derived from the French word "Silex" meaning flint. Not to be confused with a trade name of a manufactured glass.

Snake-like. Alternating, or wavey. Margins of artifacts are made sinuous by removing flakes alternately from the lateral edges.

Slate:

Snapping:

Solifluction: 4

Spall: V

Split Cone Technique:

Step Fracture: v

Strangled Flake V or Blade:

Stronger Platform:

Summit:

Metamorphosed fine-grained sediments with welldefined cleavage. Formed by grinding rather than flaking.

Method of producing a transverse fracture to sever blades and flakes. Force is applied from the ventral surface toward the dorsal side.

The process of slow movement of water-saturated ground masses from higher to lower levels. Movements of earth may cause "Naturefacts" to be formed.

See "Flake".

At present, the technique is egnimatic but has been observed on artifactspfoundtinndobbleetmplement industries which have had large exterior flakes removed from the cobble's surface. These flakes have no bulb of force, the result of the worker using the anvil technique and splitting the cone of force. This technique has been noted by Charles Borden on the Frazier River artifacts, and by others.

A flake, or flake scar, which terminates in an abrupt right angle break at the point of truncation. It is the result of the dissipation of force, or the collapse of the flake.

Intentional (directly opposite) flaking for both margins to make a constriction, or narrowing.

A platform which has been strengthened either by polishing, or by providing a greater area to receive the applied force.

Protuberance. High point. Apex. (See Crest)

Tang:

Taxonomy: V

Technique: 2

See "Barb".

Science of systematics. Arrangement and classification according to relationship.

The word "technique" applied to stone tool manufacture denotes the method, execution, performance or manipulation of a definite practice of forming lithic material; but reflecting distinct flaking character and patterns and displaying technological attributes.

To make, fabricate, or prepare stone tools under certain identifiable conditions. Example: Blademaking, persse, is not a technique. But blades made by simulated conditions represented by varieties of platform preparation, degrees and kinds of force, angles of force, rests or anvils, rhythms and muscular motor habits, and diversified fabrication implements will represent a technique.

A single technique can range from one consisting of only simple, basic principles to one encompassing a combination of conditions which remain fairly constant by requiring a variety of complex patterns. Example: Simple and basic technique: removing a simple flake with a sharp cutting edge from the mass. Complex technique: Fabricating a Folsom projectile point which requires elaborate and exact preparation to remove dorsal and ventral channel flakes.

Techniques:

Technology:

Technological -Attributes:

Technological

Thermal Treatment:

Theory:

Thickness: V

Thinning V Flakes:

Top of Core:

Tradition:

Trajectory of Force:

Trajectory of Fracture:

Methods involving technological traits.

The study of techniques. Science of studying and interpreting the combined or distinct attributes of individual techniques. Implies a systematic control of minute and distinguishable detail.

Techniques which have diagnostic value showing modes of manufacture, characteristic traits, and patterns of human behavior.

Showing attributes of technology; individual or traditional.

Method of altering siliceous materials by exposure to controlled heat. This treatment makes the stone more vitreous.

Derived from the Greek word meaning to contemplate, reflect, or speculate. Sometimes equivalent to hypothesis - at other times equivalent to general law or truth. A Theory can sometimes become a complicated hypothesis.

Measurement of the denseness between the dorsal and ventral sides.

Flakes removed from a preform either by pressure or percussion to thin the piece for artifact manufacture. Thinning flakes are also removed to thin a biface or a uniface. Usually shows special platform preparation.

The technique of making a tip, or point, on the distal end of an artifact. Several methods may be used to accomplish this.

Proximal, or platform part of the core.

Established custom. Historic style.

Curve or straightness at which force is applied to the objective piece.

Curve or flatness of flake and flake scar.

Tranchet blow:

Transverse:

Transverse L Flaking:

Transverse Projectile / Points:

Transverse \checkmark Section:

Trough:

Turned Edge:

Typeology.

Technique of striking to sharpen or re-sharpen cleavers and handaxes. Blow is struck obliquely to the marginal edge to remove a flake crosswise and at right angles to the main axis of the tool, leaving a sharp transverse edge.

Crosswise.

Parallel flaking directed horizontally to the long axis of the artifact and meeting at the median line.

Old World points made from a section of blade with the lateral margin serving as the tip of the point. When employed, they cause profuse hemmoraging.

The area bounded by and between the lateral margins.

Depression or hollow between crests. Low point between flake or blade scars. Channel scar left by flake or blade removal leaving a concavity from the proximal to the distal end of the plane of fracture. Single troughs are known as flutes.

Marginal edge that has been beveled by shearing; or removal of multiple flakes by pressure or percussion.

Science of classifying stone tools by form, techniques and technological traits. Must include duplication of the technique by first observing the intentional form, then reconstructing, or replicating, the tool in the exact order of the aboriginal workman. Typeology cannot be based on function. Typeology shows elements of culture.

Glossary 2 3/

Undulations:

Uni-directional /

Uni-directional flake or blade scars:

Uniface: V

Unifacial: 1/

Unilateral Parallel Flaking:

Ventral:

Visible Side:

Vitreous:

Similar to compression rings and rippling. Common to blades when the downward and outward forces are not equalized.

Ebreeshowing that flakes or blades were removed from one platform surface only.

Scars on a core denoting that force was applied in one direction only. The lateral margins of these scars intersect previously removed flake and blade scars.

Artifact flaked on one surface only.

Objective piece bearing flake or blade scars on one surface only.

A type of diagonal flaking made by bending the bladelets from one edge to the other and terminating them by feathering before they reach the opposite edge. May be made by either palm or finger holding.

Plano side, or inner surface, of flake or blade. The under surface.

The apparent face of the artifact. The upward, visible face.

Having the near luster of glass.

Waste Faakes:

Discarded flakes not suitable for function. Usually resulting from platform preparation, trimming, removing of cortex, and discarded non-homogeneous parts.