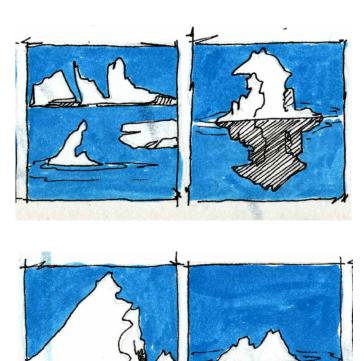
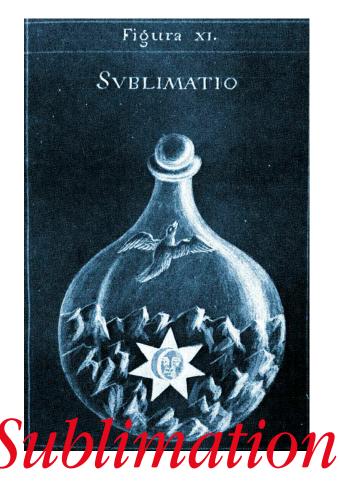
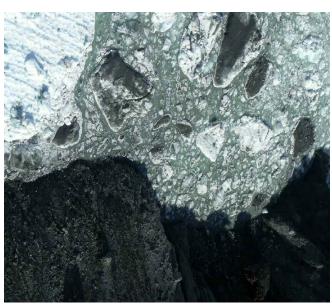
16











In August, 2007 three artists: Tim Graveson, Joyce Majiski and Zea Morvitz rafted down the Alsek River in the Yukon Territory of Canada to Lowell Lake and the toe of Lowell Glacier and for a few days lived in a sublime landscape made by water and ice.

Sublimatio/Sublimation/Sublime



www.wikipedia.org

Glaciers, D. Appleton, New York, 1877

Macmillan, New York, 1911. John Tyndall, The Forms of Water in Clouds & Rivers, Ice &

WWW.archive.org
William Herbert Hobbs, Characteristics of Existing Glaciers,

1992 Hudson, London, 1992

E.J. Holmyard, Alchemy, Dover Publications, New York, 1990. Stanislas Klossowski de Rola, Alchemy, the Secret Art, Thames and

Press, Cambridge, 1994

New York, 1989 Michael Hambrey and Jurg Alean, Glaciers, Cambridge University

Library, New York, 1995.

Library, Wew York, 1995.

Civilization and Its Discontents, W.W. Norton,

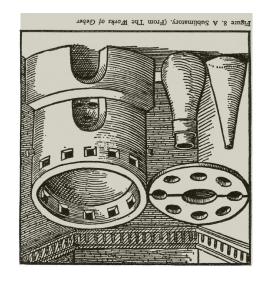
Sigmund Freud, The Basic Writings of Sigmund Freud, Modern

FOR FURTHER READING

core alchemical processes.

In alchemy, sublimation refers to the process by which a substance is heated to a vapor, then immediately collects as sediment on the upper portion and neck of the heating medium (typically a retort or alembic). It is one of the 12

ALCHEMICAL SUBLIMATION



SUBLIMATION

Sublimation (chemistry), the change from solid to gas, while at no point becoming a liquid.

At normal pressures, most chemical compounds and elements possess three different states at different temperatures; solid, liquid and vapor. In most cases the transition from the solid to the gaseous state requires an intermediate liquid state. However, for some elements (water, for example) or substances at some pressures the material may transition directly from solid to the gaseous state.



one becomes conscious that this is art.

feeling, the switch into that state of mind that occurs just as physical artwork, but the unique experience, the moment of sublime is applied to great art. Sublime describes not the change in its physical state. It is no accident that the word an object sublimates into an artwork without an intervening Just as ice sublimates into vapor without melting into water,

chemical rather than the psychoanalytic sense. ment. This brings us to the notion of sublimation, in the We see an object and recognize its state in a very brief mo-But for most of us, on an ordinary day, the experience is this: then, the object exists both as an artwork and a non artwork. nent which renders the object an ant object. Paradoxically, the state of mind or feeling that supplies the final compowhen seen by two people, only one of whom experiences The two states may also occur simultaneously in an object culture, it is discovered and recognized—as an ant object. cept of art, it first exists as object. At a later time, in another ample, if the object is produced by a culture lacking the con-These two states may exist in the object sequentially; for ex-





"The eternal process of transmigration or sublimation is symbolized by the flight of the dove upwards and downwards. Water changes Earth into a liquid, which must in turn become earth again. In the liquid state, the fixed is made volatile, and in being reduced to Earth the volatile is fixed."

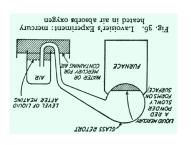
Stanislas Klossowski de Rola

face. Usually this is done using a sublimation apparatus. sublimed compound can be collected from the cooled surfinger. Once heating ceases and the vacuum is released, the behind. This cooled surface often takes the form of a cold cooled surface, leaving the non-volatile residue impurities volatilizes and condenses as a purified compound on a heated under vacuum. Under this reduced pressure the solid pounds. Typically a solid is placed in a vessel which is then Sublimation is a technique used by chemists to purify com-

sion) from a heated solid.

upon a cold surface of a vapour arising directly (without fu-Sublimate, a solid material obtained by the condensation

CHEWICYT 20BLIMATION



ered. However, whether there is a physical artwork or some other manifestation by means of which the artist expresses a concept, these materials do not exhaust the description of the artwork. There is another component which is not materially manifest, but which, if absent, reduces the attempted art object to an *artless* object, a thing in a world of things.

We do not need to plunge into that endless debate about what constitutes an art object or how anyone knows whether or not this thing I point to is an art object. We can simply observe that the art object is not complete without that additional component which is not in any way embedded in its physical substance. Instead, the effect of the artwork on the audience, the interaction of the viewer with the object viewed produces a phenomenon which we may call either a *state of mind* or a *feeling*. Without this transaction we cannot identify an artwork as such.

Without further defining either state of mind or feeling, we can divide the artwork itself into two states:

- 1) object
- 2) art object

Rather than proceeding from the Freudian concept of sublimation as the source of art making, it may be more *authom-tic* to begin with art itself and the project of art making and its supposed aim, the finished *ant object*. Art requires physical agency, *i.e.* the actions of the artist upon the medium from which the art object is made. Even in those instances where an object is not produced, as in conceptual art, there must be a medium by means of which the concept is delivmust be a medium by means of which the concept is deliv-

SUBLIMATION and The SUBLIME in ART

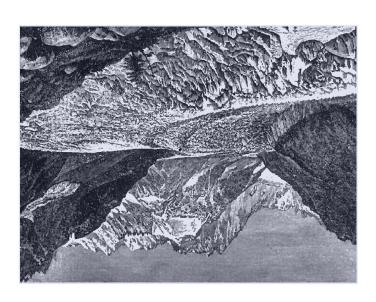
VELERWORD



Water ice sublimates slowly, at below-freezing temperatures in the zone of ablation.



& SOURTIMATION CONCERNING GLACIERS



Generally, and more loosely, any redirection of energy from the socially unacceptable to the acceptable is labeled sublimation. Clinical description tells us nothing of what is actually happening inside the mind and emotions in such instances.

Sublimation is not a *choice* according to clasical theory. Sublimation is a *subconscious* process caused by profound repression, and tends to involve the most insistent instinctual drives, usually sexuality (*see above*). It is as though, because it is one of our basic drives, the subconscious strives to turn us away from that activity to ensure the integrity of the repression.

Generally, and more loosely, any redirection of energy from the socially unacceptable to the acceptable is labeled subli-

In sublimation there is a refocusing of psychic energy away from *undesivable* activities to more *positive* outlets. In Freud's classic theory, sexual energy that is only allowed limited expression in a culture, will be redirected into culturally acceptable activities such as art, music, etc. Of course, in cultures that do not find creative expression or art production acceptable the original sexual energies may become the dominant cultural expression along with extreme violence.

Freud considered sublimation to be the most productive defense mechanism compared to the others that he identified (ie., repression, displacement, denial, reaction formation, intellectualization and projection). Sublimation is the process of transforming libido into socially useful achievements, mainly art. Psychoanalysts often refer to sublimation as the only truly successful defense mechanism.

not. Classical theory regarded creative or artistic expression as a manifestations of sublimation.

The zone of ablation or wastage is the area in which the annual loss of snow through melting, evaporation, iceberg calving and sublimation exceeds annual gain of snow and ice on the surface. Of these, melting is most important in most glaciers, but the others, especially iceberg calving, can be significant. Spatially, the zone of ablation can be identified as the part of the glacier below the snowline. The ablation zone often contains meltwater features such as supraglacial, englacial and subglacial streams. It is also an area where much sediment is deposited at the fringes of the glacier. Ablation in a glacier is a key part of the glacier mass balance.



release material by sublimation.

In addition to being transported at the base and on the surface of a glacier, debris is also carried within the body of the ice englacially. Such debris, a random mixture of material from fine-grained clay to boulders, may fall from the surface down crevasses or material from rockfalls may buried by snow. This englacial debris remains below the surface until released by ablation. During this process debris-rich ice may

ENGLACIAL DEBRIS

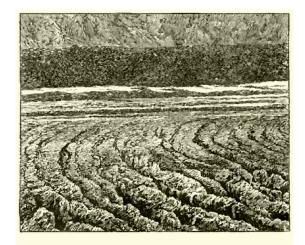




The Psychoanalytic of SUBLIMATION

In classical psychoanalysis, sublimation is the process whereby primitive libidinous impulses are redirected into new, learned, 'noninstinctive' behaviors. Typically, the term is used with the understanding that the learned behaviors are socially acceptable whereas the instinctive impulses are



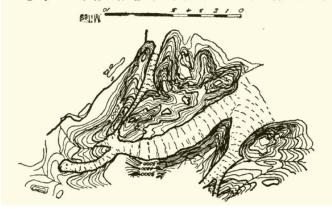


§ 41. Longitudinal Crevasses.

276. We have thus unravelled the origin of both transverse and marginal crevasses. But where a glacier issues from a steep and narrow defile upon a comparatively level plain which allows it room to expand laterally, its motion is in part arrested, and the level portion has to bear the thrust of the steeper portions behind. Here the line of thrust is in the direction of the glacier.

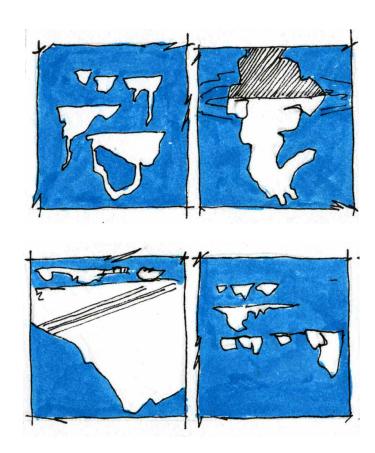
Expanded-foot Type. — When a piedmont glacier draws in its margin as it shrinks with the coming of a warmer climate, the several ice-streams which feed the apron of ice upon the foreland end in smaller fans at the mouths of the such an expanded-foot glacier is the Davidson, on the Lynn such an expanded-foot glacier is the Davidson, on the Lynn of the same district are similar (see plate 10 A). The Miles and Childs glaciers, near the Copper River, are also of this and childs glaciers, near the Copper River, are also of this fype, and have been mapped by Martin.

Fro. 16. — Map of a transection glacier, the Sheridan Glacier near the Copper River in Alaska (after G. C. Martin).





I want to take you across the glacier to that broken ice-fall the origin of which we have not yet seen. We aim at the farther side of the glacier, and to reach it we must cross those dark stripes of débris which we observed from the heights. Looked at from above, these moraines seemed flat, but now we find them to be ridges of stones and rubbish, from twenty to thirty feet high.



an expanded forefoot — a good illustration of the combination of these two types in one (see Fig. 16). The type par excellence of the expanded-foot glacier is the Baird glacier on the Copper River (see Fig. 17).²⁰ A larger but less perfect example of the expanded forefoot than any thus far mentioned is the Klutlan, in the Yukon basin, whose foot extends a number of miles beyond the front of the St. Elias range.

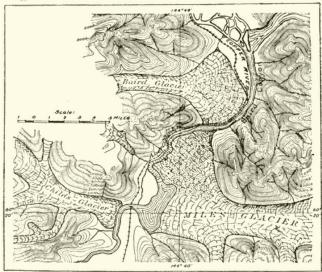


Fig. 17. — Typical expanded-foot glacier

set square upon its pillar. It generally leans to one side, and repeated observation teaches you that it so leans as to enable you always to draw the north and south line upon the glacier. For the sun being south of the zenith at noon pours its rays against the southern end of the table, while the northern end remains in shadow. The southern end, therefore, being most warmed does not protect the ice underrenth it so effectually as the northern end. The table becomes inclined, and ends by sliding bodily off its pedestal.

