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## ANCIENT CULTURE TRACED IN ALASKA

Excavations of Settlements on Beaches Yielding Clues Spanning 6,000 Years

MIGRATIONS RULED OUT

But Diggers Find Evidence of Northern Entry Route for New Ways of Life

By WALTER SULLIVAN

In the region where the Americas and Eurasia almost touch, a "guest book" has been found whose record seems to extend some 6,000 years into

the past.

It shows that radically new ways of life appeared in North America during that period, but there is no evidence of great

Furthermore, the record indicates that, since the building of the Egyptian pyramids, there has been no period when the world was significantly warmen than today. Such warmth would have melted enough polar ice to raise ocean levels substantially whereas the evidence on the

at Cape Krusenstern, near the Bering Strait. Upon these beaches are the remains of a succession of civilizations that extend back thousands of years As one walks the mile and a half from the ocean to an inshore lagoon, each beach represents a more ancient period.

Unexpectedly, it has been found that the oldest of these cultures the Denhigh flint come.

cultures, the Denbigh flint complex, is the most sophisticated in workmanship and artistic freedom. Its flint arrowheads and knives are chipped so meticulously that one needs a magnifying glass to appreciate the



Bering Sea

The New York Times Oct. 30, 1961
Cape Krusenstern (cross)

charge of the excavation of some 300 sites at Cape Krusenstren, believes the Denbigh workmanship to the most detailed of that found in any prehistoric flints. He puts the

tailed of that found in any prehistoric flints. He puts the age of the culture at 5,000 to 7,000 years ago.

No satisfactory dating of its remains has been achieved by the radiocarbon technique. However, charcoal and wood found with the remains of a whaling culture on the fifty-third beach from that presently washed by the sea has been analyzed for radiocarbon. It was found to be about 3,700 years old. The Denbigh remains are on beaches 78 through 194 and presumably are from a culture proportion-

older.

older.

oches 105 through 114 are
swampy and too deep in

surface examination. ately Beaches too swampy in or surface exa of the beaches sod for five feet higher than None about than one, indicating no present reat changes Dr. Giddings believes, may pro

Continued on Page 51 Column

car are detailed in chart prepared

Continued From Page 31

vide the long-sought "world standard" for determining sea levels during all periods up to 6,000 years ago.

Woar Other reached stern derives from the fact that its residents, like the eskimos of today, always lived directly on the water. The vice product of the historical record at Cape Krusenstern derives from the fact Richard C. B. Skimos of today, always lived directly on the water. The n vide the long-sought "world

either their dates cannot be and their only highway, winter director determined on the land level is or summer. either their dates cannot be and their only highway, white cial se was as thought to have changed. A primary cause of such changes the further to seaward. Some the further to seaward. Some beaches are fifteen miles long. Dr. Giddings believes they were hard somet wave action and small, cyclic unusus changes in sea level. Each of the changes in sea level.

ost ice has melted.

as wiped out by wave action as upright poles. Whale bones and spea the oceans rose. Their total rise harpoon heads abound.

six 200 feet.

The excavation of sites on the Krusenstern beaches was described a few days ago by Dr. Giddings at the Haffenreffer Museum of the American fer Museum of the American in Bristol, R. I., of more which he is director. The museum is affiliated with Brown, in near-by Providence.

Much of Dr. Giddings' life has been spent on the beaches of Alaska. It was he, a few days ago, who first identified the Denbigh culture at Cape the Denbigh and the more recent count of that name. Last summer he trust went some 200 miles up the beach sequence, plus an even ingt beach sequence, plus an even in the last plus and the past tree age, when so much a latter, Dr. Giddings thinks, may ing latter, Dr. Giddings thinks, may ingthe latter, Dr. Giddings thinks, may ingthe latter, Dr. Giddings thinks, may ingthe latter, Dr.

Strange Flints Described Presumably the Americas
The Eskimo said his father were populated when the land Se resentingress had described strange flints, on bridge across Bering Strait was phad described strange flints, on bridge across Bering Strait was phad ground near Onion Porbac and livable. Dr. Giddings J. tage. When it rained, he said, objects to the idea of "migratake of laws."

When the rain population was by a diffusion Herman and they many their rain population was by a diffusion Herman and they many their rain population was by a diffusion Herman and they many their rain population was by a diffusion Herman and they many their rain population was by a diffusion Herman and they many their rain population was by a diffusion Herman and they many their rain population was by a diffusion Herman and they are the strained they many their rains and they are the strained they are ake of they ground stopped, they went back down process that took thousands of p Dr. Giddings and his consolial and leagues found what he believes ances

col- movements of substantial dist-

matum ANCIENT CULTURE

to be the first good stratified site in the Alaskan interior. The layers have already revealed ten culture phases and the excavation is far from complete. Many of the tools and the complete and the complete shades are the decided by the decided and the complete shades. are made of obsidian, a black, she dec glass-like stone.

been found in many other areas, ocean was their source of food ager.

114 beaches has probably sup-ported human habitation, he

During the last great period of glaciation, the East Coast through 77 are comparatively will not be united States from the by vicinity of New York and the comparative will not be under the comparative will not

Its oldest beach probably the end of the last ice age the end of the last ice age when melting had come to an the end. All earlier beaches were tiple-room, deep houses made of a whole out by ways action as warishi roles.

ness

ficit during the melting period is Altogether eight distinct cul-year thought to have been more than tures have been identified in the general beach sequence, plus an

trust went some 200 miles up the when Kobuk River to a point where lected, an Eskimo friend, many years their ago, told him a story.

years and involved no willful o

easures

## A Grim Fight for Life Is Shown in Old Ruins

The grim remains of a desperate fight for life 2,000 years ago have been found on

an Alaskan beach.

In the charred ruins of a prehistoric house were the skeletons of a woman and two children. Near them were three bone-hafted adzes and it was evident that the three had been trying to burrow out of a hut whose overhead exit was impassable.

According to Eskimo legend, ancient raiding parties sometimes poured oil through the smoke hole in the roof, thus causing the cook-fire to flare up. The enemy would then club the occupants as

they dashed out.

In this case, according to Dr. J. Louis Giddings of Brown University, the family apparently tried to dig another exit but suffocated in the attempt. The site was found at Cape Krusenstern last summer.