good substitute. The Eskimo

woman would have been hard put without sinew. She used it

for thread to sew clothing for

of the caribou. But choice sinew is taken from the back, from a

tapering layer that extends from the base of the neck and flares

out at the rump.

Heavy and thick at the base, the sinew layer gradually thins and flares out.

This layer of sinew is removed and meat and tissue is scraped

off thoroughly. When ready to be dried, it is watered and spread

be dried, it is watered and spread on a flat piece of wood. When thoroughly dry, it is ready for use as thread. The skin of the caribou has many necessary uses. It is ideal as winter clothing. After tan-ning, it is supple and pliable

and makes light and warm parka

In summer, the hair of the caribou gets to be about half an

inch or three quarter inch in length. It is then that caribou

are hunted for clothing and of course for food. This precise thickness is considered as ideal

The thick winter coat of the caribou has important uses also.

It is used as matting in the house and for bench cushions.

village to hunt, or at camps.

Skin from the legs of caribou

are "just what the doctor or-dered" for mukluks.

Caribou was one of the most needed animals the ancient Es-

kimo had to have. Its meat, skin and sinew were utilized in an

ideal manner and was vital in the survival of the Eskimos in the Arctic.

The most important use of the winter coat is for sleeping bags. The ancient Eskimo used it as such when away from the

Sinew is taken from the legs

95.5% VOTER TURNOUT

Total 64 registered voters out of the total enrollment of registered voters for Shungnak of

This represents a total of 95.5% of the registered voters in Shungnak who strongly oppose any roads or railroads into or through the Kobuk River Valley

(It should be noted that two men were gone from the village when this petition was circulated, and both have indicated they would have signed)

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Uvagut uvva atgigsauni vautägtinurugutli uumani Isirjami. Uvva aasrii sarjijiqag ughutali qiniqtitkivut attavut. Taamna tumitchaiksraq Haugingitlugu mauna kuuvakun. Aglaan uvva iłaugigik put tinmisuutikaulig tavrumakria tumitchailigmin inuunail aptitni.

PETITION

We the undersigned, residents and registered voters of the City of Shungnak, Alaska hereby express our strong opposition to any road or railroad into or through the Kobuk River Valley. We feel that improved air transport will better serve our interests and cause far fewer undesirable changes to our way of life

Levi Cleveland Felton Commack Lorena Commack Homer Cleveland Sr. Vera Cleveland Vera Douglas Leonard Douglas Stanley Custer Sally A. Lee Peter Mac Manus Barbara Mac Manus George O. Cleveland Sophie Cleveland John P. Stalker Clara M. Stalker Walter Douglas Elizabeth Jackson Napoleon Black Mildred Black Larry Custer Bessie Custer Ernest Berry Nora Custer Ruth Cleveland Annie Lee Charlie Lee Lottie Sheldon Albert Commack Darold Sun James Commack Daniel Sun Flora Cleveland

Pansy Berry Susie A. Sun Florence Douglas Emma Berry Margaret M. Sheldon Neal K. Sheldon Oscar A. Griest Nellie Griest Edward Lee **Buelah Commack** Wynita Woods Michael Tickett Ella Sun Magdalene K. Lee Melvin Lee Jean Smith Josephine Woods Bertha Sheldon Loe Sun Laura Sun Frank Cleveland Charlie Cleveland Edna Commack Lizzie Lee Irene M. Douglas Ronald Jorgensen Margaret Jorgensen Harold B. Smith Terry Lee Billy Custer Mabel Douglas Gene T. Lee Sr.

Arctic Survival -From Caribou-Parkas, Mukluks, Ice Cream

her family

material.

for parkas.

(Editor's Note: During the first several years of publication of the Tundra Times. Howard Rock wrote a series of articles about the traditional way of life of Arctic peoples. Entitled "Arctic Survival," the series was popular with many readers, including the late Senator E.L. "Bob" Bartlett who entered one of the stories in the Congressional Record. The Tundra Times has received numerous requests for reprinting the stories.

By HOWARD ROCK

The majestic, restless animal, the caribou, is classed by the Eskimos as extremely important in survival.

This animal abounds in great numbers in the central and north coastal regions of Alaska and Canada.

To the ancient Eskimo, caribou was most vital since it meant food, sinew and clothing.

The Eskimo considers caribou

The Eskimo considers caribou one of the finest items in his diet. The obtaining of caribou meat is something of an event.

Fresh caribou not only excites the palate of the Eskimo but means gift giving of pieces of it to friends and the needy. The fat caribou is most desired for fat is used in making the Eskimo dessert, Akootuk or Eskimo ice cream

Eskimo ice cream.
This is how Akootuk is made The fat or suet of the caribou is cleaned and diced, put in a cooking pot, and after rendering, it is allowed to cool to the point where it will not burn the hand of the woman preparing Akootuk

The woman stirs and whips the cooling fat vigorously. At intervals small amounts of seal oil or whale oil are added. As the whipping continues, the suet slowly turns gray. After further whipping, the fat becomes snow white and of a consistency similar to cake icing.

this stage thoroughly cooked finely ground caribou meat is added little by little until the mixture is quite thick, then diced caribou meat is

After this, when desired and providing the supply is available, blackberries are added.

After Akootuk is allowed to freeze, it is ready to be served as a treat for all:

In the old days the sinew of the caribou was a most needed item. At present, although still being used, sinew is being re-placed by dental floss, which the Eskimo woman finds is a

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(Continued from page 2)

zation of Noorvik has worked Zation of Noorvik has worked for the past two months raising nearly \$4,000 to help bring high school students home for the holidays and illustrates the strong desire on the part of parents to have their children home. Some of these students who come home for the holidays will not be returning to Mt. Edge-cumbe and Kenai which makes it even more important and doubly insistent that we have the assurance as soon as possible that the above proposal or a similar one be instigated at once.

Your kind and immediate at-tention to this proposal will be very much appreciated by each and every child and parent of the Noorvik community.

Sincerely Noorvik Education Assoc. Donald G. Flippo, President Sandy Troxell Stanley Reed Richard Blair Glen LaFave Darrel Sonnenberg Mary Ann LaFave Michael Cline Betty Cline Harriet Amundsen Advisory School Board Alfred Wel's, Chairman Robert Newlin Donna Zibell William Sheldon Eileen MacLean

cc: Tom Troxell, Principal Ronald Hohman, Regional Supt. Marshall Lind, Commissione of Education

Hon, William Egan, Governor Hon. Willie Hensley, Senator Hon. Frank Ferguson, Rep. John Schaeffer, NANA Exec

June Nelson, Maneluk Educ Adv. Vincent Shuerch, ASOSS Board

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