THE WASTER OF THE WILDERNESS, THE BEAR, LIVES IN THE UPPER PART OF OUR HOWE

House and World-view of the Ainu

Paper to be read at the Third International and Interdisciplinary Forum of Built Form and Culture Research, $9-12\ \mathrm{Nov}$. 1989 at: The School of Architecture, the Department of Anthropology and the Hispanic Research Center at Arizona State University, Tempe, Arizona, USA

By Nold Egenter

From our standpoint, it is rather strange to share one's livingroom with a wild bear. But precisely this was the custom among the Ainu of northern Japan, probably for thousands of years. Half of their house remained empty most of the time. The upper part, the most honorable seat, was reserved for their most important guest. He came to visit them at their main feast, which focussed on the bear, the master of the wilderness. A lot has been written about this bear-festival of the Ainu, mostly sensational, emphasising its primitive traits. Recent research has revealed its deep-rooted philosophy. This tells us a lot about how the Ainu regarded their house and its spatial organisation in the frame of their harmonious ecological world-view.

October 1989

DOFSBT/ZURICH Switzerland

DOCUMENTATION OFFICE FCR
FUNDAMENTAL STUDIES IN BUILDING THEORY
Chorgasse 19 CH 8001 Zürich

Switzerland

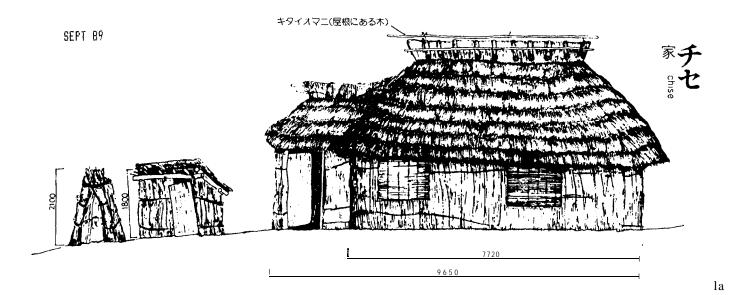


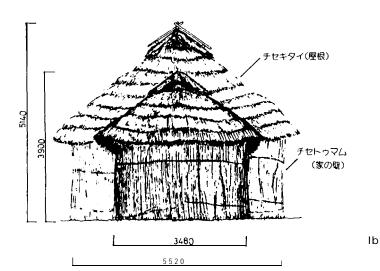
Fig. 1: Ainu summerhouse of southern Hokkaido (Kayano 1980)

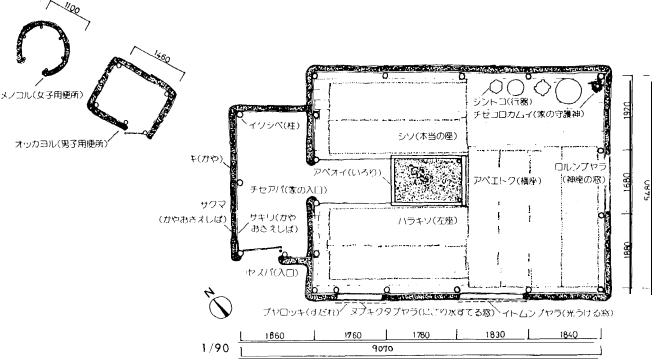
d southern facede of main house with Porch, left toilets for men and women

o western facede with Porch and main house

floorpian of main house, porch and toilets

For details of internal designations see fig. 5



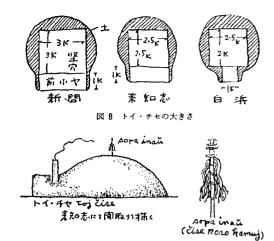


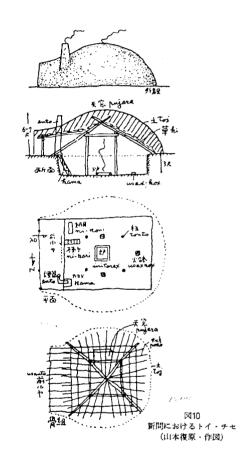
lc

INTRODUCTION

The hunting and collecting culture of the Ainu has conventionally been noted for its primitive traits, But many of its characteristics may be understood in the context of intercultural processes. Like any other culture it has received! developed influences from neighbouring cultures. Consequently Ainu culture cannot be considered to be as simple a5 the term 'primitive' suggests; rather it has to be interpreted as an accumulation' in term5 of ethnological theory (Mühlmann 1962). This isparticularly valuable in regard to the traditional types of the Ainu house (see fig. 2: some other types of Ainu houses).

Thus the pit-dnelling of the Ainu, once inhabited during clearly shows close relations to the pole-tents of wintertine, Siberian peoples inhabiting the Northern Eurasian belt (Yamamoto 1970, Levin 1961, 1964). The summer house of the Sachalin-Ainu is general iy Covered with bark outside and reinforced with heavy poles against snow-storms (Yamamoto 1970). On the other hand, in







以 7 ナヨロ村イト・チセの図 鳥居博士論文挿入図 A幣,B炉,C入口,D模床

2b

2a

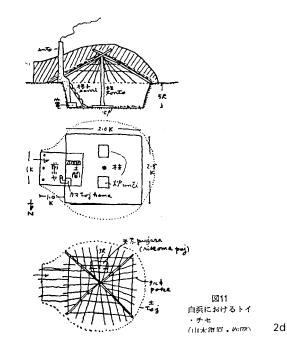
various types of Pit dwellings of Sachalin Ainu

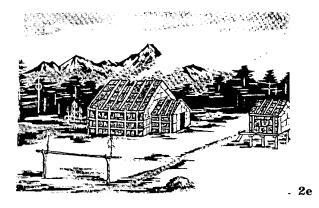
^{&#}x27;Montandom (1937) studied a wide spectrum of the materials and social elements of Ainu culture in relation to neighbouring cultures and, in a wider context, of cultural areas(. According to Montandon, Ainu culture is of a very heterogenously composite character, showing accumulations of Northern (paleosiberian) and Southern (austronesian) elements.

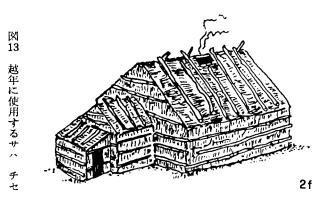
regard to its extended rertanguiar plan and it; reed covering (Takabeya 1939a, 1943a, Kayano 1976, 1980), the summer house of the Hokkaido-Ainu shows close relations with Japanese domestic housetraditions. Obviously the roof-form was taken over from the Japanese farmhouse of the <u>iriwo</u>ya-type, but the internal structure remained true to Ainu tradition (Takabeya 1939b, Obayashi 1956)². The heavy wintry roof-load is supported in an absolutely irrational way by two 'primordial huts' (Takabeya 1939a, Munro 1963, Kayano 1976,Egenter 1989). There are welifounded reasons to assume that the Ainu were the original population in northern and central Japan (Nishioka 1937, Slavik 1969, Chard 1970). And maybe for centuries - they had close contacts with the agrarian Japanese population that immigrated from the south. This is clear from sources of the agrarian Shinto in northern Japan (Kokuritsu-



 $^{^2\}mbox{Obayashi}$ relates the tripod of the Ainu house-foundation-rite and their tripod-roof construction to Northern Eurasian tripod-tents.

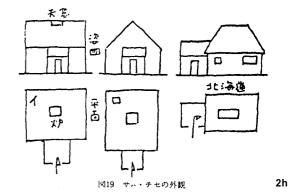


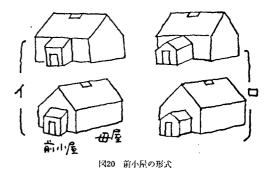




Minzokugaku-Hakubutsukan 1981:177).3

In addition to these clear hints of intercultural processes there is an astonishing continuity with regard to the internal spatial organisation of the Ainu-house, a simple scheme which can be traced through the whole of Ainu house tradition; the linear relation of entrance, sacred hearth, holy window and external altar. In the north (Yamamoto 1970) as well as in the south (Takabeya 1939a, 1941b, 1943a, Munro 1963) we always find an explicit contrast between that part of the single room which is the scene of the daily life of the family and another part which is only used for ritual purposes, beyond the upper end of the hearth' the Ainu-dwelling remains empty. The holy window serves for communication with the outer cult-place and the outer altar,





2i

Within agrarian Shinto traditions of Northern Japan sacred objects of the yorishiro-type (sacred seats of Gods, see Egenter 1980, 1982) are traditionally preserved in popular cult; which technically show their close relation to the inau of the Ainu. They are produced by shaving wooden poles and are generally called kezurikake 'thing made by shaving'. This implies that Mongolian farmers immigrated from the south had settled - maybe for many centuries - side by side and in close contact with the Ainu until the centralised state with its Euddhistically educated elites started to conquer the north and integrate local settlements into the Japanese state. Among tse farmers in central and southern Japan! binding and bundling, not shaving, is the general method of making sacred cult-markers in popular Shinto. On the other hand, the Ainu may have borrowed the more developed Japanese terminology (kamui / jap, kami 'god' and nusasan / jap. nusa, 'sacred altar') in referring to things for which they had an object tradition and a concept of their topological meaning, but not the spiritual ideology.

^{*}For the designation of locations we use the traditional terminology of the Ainu. It looks down from the mountains towards the sea.

3.5 a passage-way for sacred objects, oarticulating the head of the ritually-killed bear.

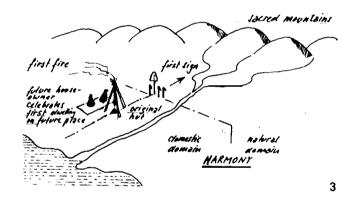
Gustav Rink has studied this astonishing continuity of spatial organisation throughout the Northern Eurasian belt. His extremely important two-volume work, The System of Space-Organisation of the Dwellings of North-Eurasian Peopled (1949/1951) provides a wealth of plans illustratingsuch phenomena as the holy backcorner(, the holy soul-window(and the placement of shrines and sacred objects at the back of the main or single room of the house. But Rink remains rather vague with regard to explanations of this astonishing continuity, mainly because he restricts himself to the discussion of floor-plans, The ritual aspects are not considered in his wide context.

For a long time the Ainu remained relatively undisturbed in the former northern areas of Japan (Ezo, including Hokkaido, Sakhalin, Kuriles, Kamtchatka). Their domestic traditions are reliably researched and their rites are well known, Consequently the Ainu can be considered an ethnos which may shed new light on the 'system of space-organisation" presented by Rink. The whole complex is the subject of an architectural-ethnological dissertation by the author. This presentation offers a short outline of the results.

THE SPATIAL ORGANISATION OF THE AINU-HOUSE

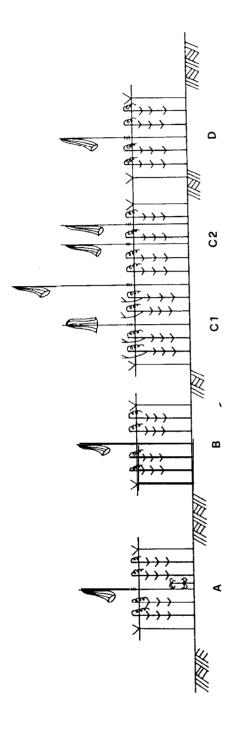
Among the Ainu the basic nature of poiar spatial concept mentioned above is revealed by the rites performed on the occasion of purifying the lot for construction and at the housewarming ceremony, both ceremonies are extensively described for tne Ainu of the southern coast of Hokkaido (Takabeya 1943a, Munro 1963). Before the house is built, its 'plan' is marked out with the simplest mean; a tripod (kenru) with suspended pot-hook and an initia! fire marks the 'prototype' of the future house. The hearth-goddess receives her first sacred sign. altar, with a set of signs of elementary form! constitutes the second part of this 'installation', and indicates the direction towards the holy mountains, finally there is a little ceremony which - still amidst the natural grasses - grobes the future of dwelling in the traditional spatial organisation. This foundation ceremony! with its 'primordial hut'. alludes in advance to soatiai social and cultic concepts that are central to Ainutradition. It was done in this way since time immemorial(s.fig. 3: 'earth-calming ceremony').

#hen building has been brought to a successful conclusion,
the house will be consecrated, The igniting of the first !and
from then on continuously maintained) fire will transform the



⁵Kayano uses the Japanese term_<u>jijin5ai</u>, 'earth-calming ceremony! earth breaking ceremony.

the traditionally defined place in the upper part of the hearth she again receives her special sacred signof shaved wood. Then her maie partner! the house-owner-god is installed, He takes up his continuous seat in the right upper angle? where the treasures are also kept. He receives a libation of holy rice-wine and is asked for protection. Outside the house the holy fence is completed. Four alters are set up in a line. They represent the four existential domains of the Ainu: firstly, the settlement and the ancestors (continuity); secondly, collected plant materials; thirdly, the hunting domains and fourthly, the fishing ground; . Culture and human tradition isimplied by the first; the wilderness, the outer domains by the others is. fig. 4: outer alters; acc. to Kodama 1969, Ainu Minzokushi).



Ε

ig. 4: legend

Husakoro kamui ancestors, Place

Shiramba kamui Plan

"I Hackings kensi bunting

- C2 Netotush kamui be
-) Hakkaush kamui fishin
- E shinurappa ushi small ancestors elter

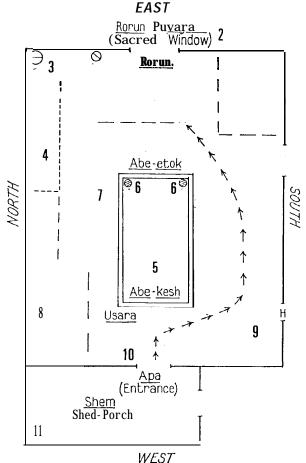
By virtue of these installations, a house is not only erected in the environment: its whole ideology is structurally defined, The hearth in the one-roomed main house forms the vital centre, the focus of existential continuity, between the higher and lower realms. The higher realm consists of the sacred areas of the holy mountains, the upper river, within the house, of the holy window and the sacred seat for the bear. The signs for the hearth-goddess up in the upper part of the hearth. The lower part of the room is inhabited by the family, The father and mother sit on the Supper seat(at the upper right edge of the hearth close to the treasures and the >house-owner-god(, The children and servants are placed below near the entrance for humans. The holy window is the entrance for gods and sacred objects. During everyday life upper part remains empty. The corresponding seats are reserved for gods and honorable quests (see fig. 5: spatial organisation of the Ainu-house; acc. to Munro 1963).

Fig. 5: legend

1 Secred fences for secred signs 2 secred window
3 sign of houseownder god 4 treasures
5 hearth 6 wokkbenches for shaving secredd signs
7 'upper seet' of houseowner and his wife
8 sellping place of houseowner and wife 9 children
JO entrance 11 shed-parch

The differentiations are continued outside in the courtyard,

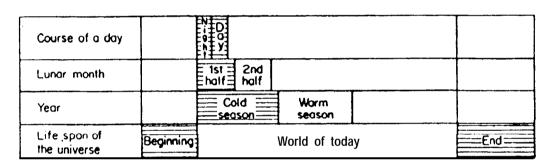
Sacred Fences for Inau dedicated to various Kami



TEXT FIGURE —Plan of Ainu house.

in the same field of energy. In addition, the whole Ainu system of moral values is related to this polar concept,

Eniko Ohnuki-Tierney caused a sensation in the field of Ainu studies when she published her research on the temporal and spatial "world-views" of the Ginu of the Northwest-Coast of Sakhalin (1969, 1472, 1973). Their time concepts are structured in polar terms: night and day, moonless phase and full moon, cold winter and warm summer (only two seasons! see fig. 7: polar time concepts of the Sakhalin Ainu).



These polar concepts are enclosed in a cyclic system of beginning and end, once and now. Within these temporal classifications, the Ainu Performed their work with the help of further topological and social distinctions in an astonishing complex manner. Similarly the spatial concepts of the Ginu show a clear systematical structure (see fig. 3: polar spatial concepts of the Sakhalin Ainu), Ohnuki-Tierney shows the opposing aspects of land and sea! mountain and coastal areas, Roods and grassy fields, culminating in the binary oppositions around and within the house and in the final anchor-point of the Ainu world-view: the heat-th.

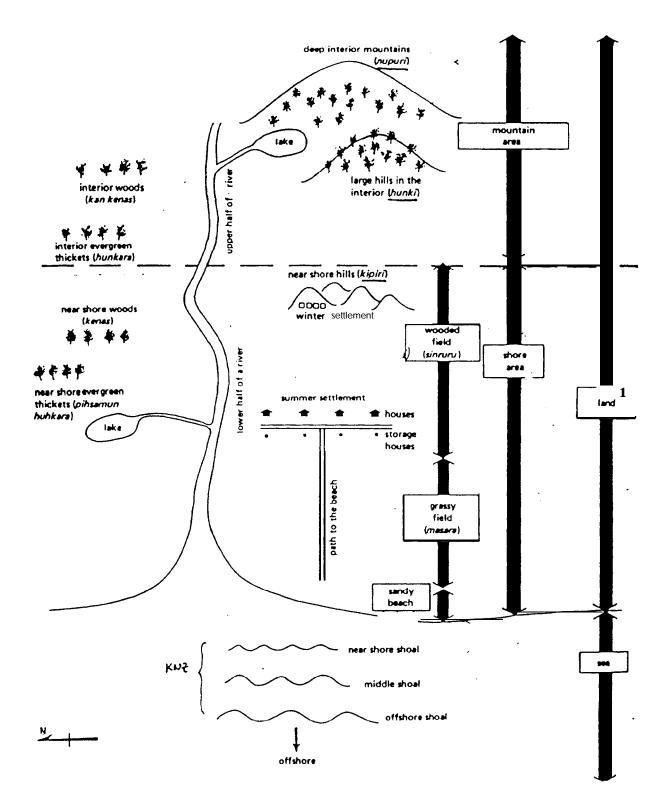
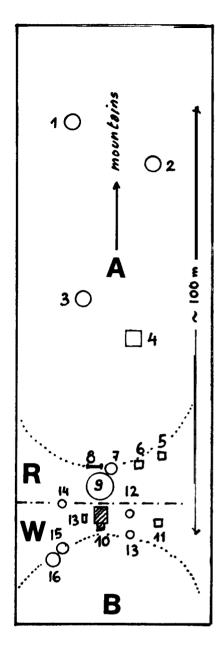


Figure The horizontal plane of the universe.

between the holy window and the outer altar, the cult place for the bear-festival is marked by the bear-cage and the sacred pole, to which the bear is attached before being killed. In the lower area we find the entrance and storeroom, an addition to the main house. Below the entrance there are places of work, structures for drying fish and • beyond the settlement oath • the storehouse (see fig. 6: situation of the Ainu house; acc. to Natanabe 1973).

Fig.	6: legend (R = Rit	ual, H	# Hork; A # Ab	ove, B =	Below)
1	skinning spot	2	skin dump	3	bon. dump
4	store house for tool, and crafts				
5	dead trees set up for drying fresh meats and skins				
6	cage for the bear	c u b		7	ash dump
8	outdoor altar 9 ground for the bear-ceremony				
IO	dwelling house	1.1	stire hour. fo	or meat	
12	dryingframes for ●	rat		13	same (fish)
14	store house for fish			15	water
16	rite for the prep	ratio;	of fish		

Thus in this case the whole linear arrangement lies parallel to the river! with its upper or sacred parts oriented towards the holy mountains. Thus the orientation of the Ainu house is like a system of smaller and larger magnetic needles, all settled down

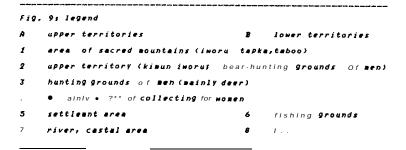


^{*}Orientation towards the east is not what counts, contrary to the claims of many authors. Yamamoto's typology of house orientation for the Eastern and Western coast of Sakhalin (:61,64) clearly proves the contrary. These orientations are diametrically opposite! Not orientation in the sense of the modern compass system counts! the houses are situated parallel to the river, with the sacred upper part towards the sacred mountains. Eastern orientation is a persistent error in the whole literature of Ainu studies, its persistence can only be explained by the fact that Important studies have been made in the southwest of Hokkaido, where the rivers run more or less toward: the west.

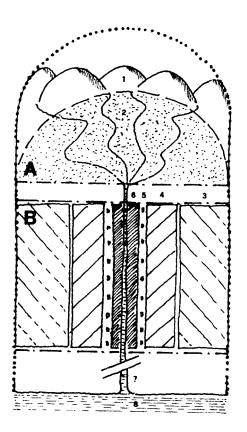
SEPT 89

This polar system also forms the basic concept for **economic** activities, Traditionally it defines what is hunted, fishedor collected where and by whom. Social criteria are also structured in polarities: old and young, women and men, etc.

But Ohnuki-Tierney is not without problems. She mainly interprets from the outside innard, thus coining into conflicts with traditional structures which obviously developed from inside outwards, from the domestic domain towards the wild and non acculturated, tier lack of conceptual clarity stands in contrast to the work of Hitoshi Watanabe (1973). His study starts from ecological perspectives. He is interested in Ainurelations and adaptations to the environment. In put-suit of this interest, he has done extensive fieldwork in the Saru area of southern Hokkaido, and to this work we owe detailed knowledge about the complex bunting, fishing and collecting activities of the Ainu (see fig. 9: the river-group territory of the Saru Ainu).



Watanabe's research is based on various types of social group. He describes units that are spatially and economically characterised as <code>>household<, >settlement<, >local group<, >river group< or the</code>

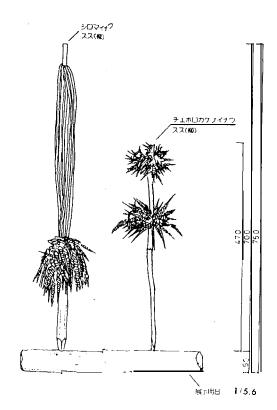


more geneal ogically structured \kinship group \ and, finally, group5 owing their cohesion to particular signs. He impressively shows how the binu reached a high degree of food-security by using extremely simple but multifunctional devices, This #as achieved by applying corplenentary combinations of spatial, temporal and social categories. Polar coordination also piayed a decisive role in their cooperation and division of labour. Finally, Watanabe shows the reliable basis of the whole structural complex. He describes the territory of the Ainu and how they carried out their activities of hunting! fishing and collecting in various areas, Again, the astonishing thing: affect are clearly defined by positive impulses and negative taboos. The territory $(i * \sigma r)$ is an extended version of their one-rooned house, dwells in the uppermost part. The hunter is forbidden to enter this domain. At the lower end of the territory, the dwellings of the Ainu are located close to the lower part of the river. Between these polar extremes again there is a complex system of complementary classifications, structured physically and toponymitally according to the river and its ramifications,

Unfortunately, Watanabe also interprets his results in a theological sense. His <code>>system</code> of social solidarity between man and <code>nature(</code> become; questionable. Nature is represented by spirits and deities conceived anthropomorphically by the Ainu. This interpretation may be conclusive for <code>Watanabe</code> because he <code>mainly</code> works in the outer domains. The house <code>is</code> only <code>schemati-</code>

INAU, THE TRADITIONAL KEY TO THE SPATIAL ORGANISATION OF THE AINU

Hilly Krenp (1928), an Ainu researcher hardly known (because he wrote in German) reports a meeting with an Ainu eider who showed complete resignation, sitting in his hut, which had partially failen into ruin. The house-owner gcd had decayed, "Mhy.shouldI carve sacred signs (ineu)," the old man said, "there are no more deer left," There 15 hardly a better way to describe the meaning of the sacred signs of the Ainu. Batchelor, the missionary who lived 40 years among the Ainu (faithfuly to the proselytizing tradition!! considered the Ainu signs to be primitive fetishes. Munro, also considered to be an authority in Ainu studies, described the inau used in Ainu rituais as sacrifices to theologically interpreted gods and spirits. Krenp classified the inau objectively according to their waking, form, position and permanence. He further distinguished permanent signs related to house and courtyard from temporary signs used in the cuter domains, He concluded that the former were of primary importance. In his >sacred topography(he further elaborates on the meaning of hearth, house and courtyard, referring to permanent signs, such as the hearthgoddess, the house-owner-cod and the deities of the external altar. In the latter case he clearly recognises the representational character of the signs for the four existential

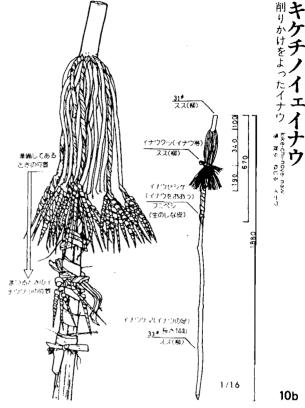


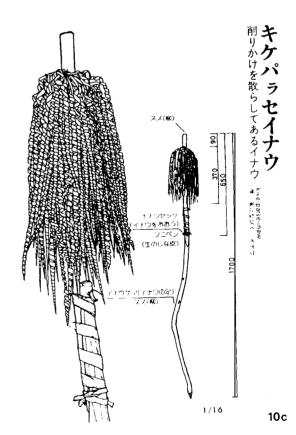
10a

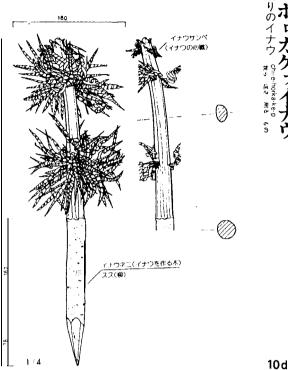
domains described, but then allows himself to be influenced by

Let us take a quick look at the sacred signs of the Ainu (see fig. 10: sacred signs of the Ainu, inau; acc. to Kayano 1980)

Using a sharp knife, a wooden pole is freed of its dark bark. 50 that its bright white wood is brought to light in the upper part. With further precise cuts, locks and curlsloosely



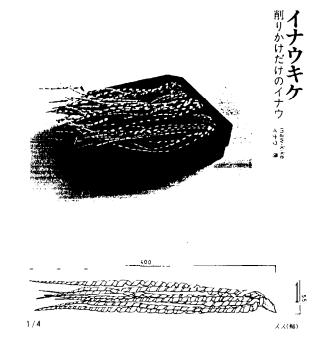




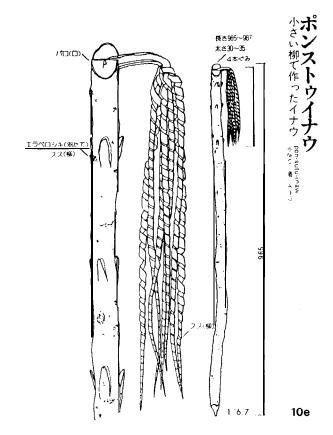
⁷In his classification, Kremp clearly showed the importance of categorial and aesthetic principles which distinguish the various types of sacred inau.

of Ainu culture! speaks of >making gods< when he describe; sign-shaving (Kayano 1976).

Finally, with regard to the explicitly semantic function of it is devoted to the territorial marking of domains. Each sign is personally characterised and, by its typologically labels the area to which it belongs: dwelling, hunting, fishing. In factual condition5 it is set UD vegetation, an imaginary or concrete (riverbank) threshold between nature culturimplies two different, but correlated, areas at the interface of which some exchange take. 5 place. The beyond, the wild, provides man nith life, with food. The huran side answers by sending honour beyond the threshold. In this sense, any type cult activity in any type of domain and before any type of sacred signis basically of analogous structure. It corresponds to those performed before the central interface between domestic demain and wilderness at the outer altar behind the house, general motive is balance! harmony betneen culture and nature,



10 f



This obvious connection between the structural and aesthetir character of the Ainu sign5 and their relation to territorial units was simply not appreciated because, formerly, eurocentrica! theological concepts dominated the analyses'. In this context it is very interesting to see how the chise koro kanui, the 'house owner god' is persistently mistranslated. Batchelor interpreted him as the 'world-creator'!

DOFSBT/ZH

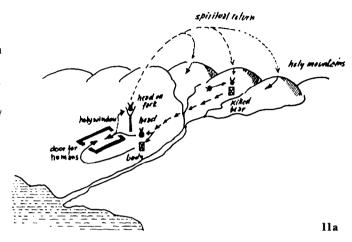
SEPT 89

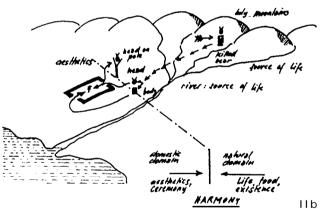
The bear festival 15 one of the aspects of Ainu iife most The greater part of these descriptions, often reported on. however! revels in its spectacular points, A bear! caught when still young, is reared in the wooden cage behind the house, is fed like a human for one or two years and then is ritually killed.

Seen in objective terms, the cult of the bear is a ritually heigthened form of hunting (see fig. 11: structure of bear festival).



As the biggest of all hunted animals! the bear is socially projected outwards as the lord or chief of the hunting domain, On the other hand! he is the vital representative of all the animals hunted, On the domestic or cultural side, he is represented by one of the signs on the external altar. The ritual is thus not a slaughtering sacrifice as often interpreted! but rather a state reception for aking coming from another world. At the ceremoniai level. the bear is received and cordially welcomed by the hearth goddess. She ritual also shows a polar organization into a more physical and a more spiritual part, First the bear is freed! let out of his tage, then fixed to the sacred pole and beaten





with bundles of leaves fixed to sticks to make him wild and finally killed with a poisoned arrow. Hunting is ceremonially reproduced in the domestic domain, the ceremony is celebrating a kind of rite de passage from powerful vital force into the immobile stage, The animal is now at man's disposal. This too is a categorial change which is essential for the hunter in the mountain;

Then the animai is deprived of its natural appearance by separating its hide and head from the body. The meat is carried through the lower door to the hearth! put into a cauldron suspended over the fire. Head an hide are passed solemnly through the holy upper window and placed on the nost honorable seat of the house. There the bear is lavishly decorated and prepared like an altar in the house, which thus become a kind of temple. In cultural sense, head, hide and reat are united in the festive circle of the house. A new kind of unity is achieved. The bear is 'living' in terms of acculturation. The loro of the wilderness presides over the house and the community on the occasion of the festive banquet. Humans have taken the flesh of the vital animal? but in this same process the animai is brought within the cultural domain and provided with a ritual which! through the spatial and social concepts of the Ainu - that is to say by a non-verbal language - express highest honour, biving and taking complementary.

Finally, the honorable guest receives a monument. Except for the ears, the skin of the head is removed. The white skull contrasts with the natural look of the ears, Further the skullis opened, the brain extracted and again replaced by something corresponding to the domestic domain: nhite locks of sacred signs, The skull thus prepared is fixed on a high wooden fork.

Both of its ends are provided with sacred signs with flapping locks. This powerful symbol is brought to the outer aitar and set up with great solemnity at the threshold between dwelling and hunting domains.

Now the second, more spiritual! part begins. Complementary to the aesthetic loss and the decay of the monument, there is the concept of a spiritual return to the uppermost region, to the tabooed zone inhabited by the chief of the bears, This is related to the idea that the gifts brought by the killed bear will delight the chief and his subordinates and that bears will enjoy visiting the Ainu again. Former reports focussed particularly on this aspect in their explanation of the Ainu bear festival. Butthis is only one and maybe a rather late and superseded layer of the rite. The first and mare concrete part, the physical exchange of gifts, is more important and primary. The wilderness bring: life, food, meat: wan exchange; cultural gifts. His presentations of gifts are accompanied by the highest ceremonial rituals,

The Japanese history of the Ginu clearly shows the high value they placed on their nearly absolute regional autonomy, Their high respect for the principle of balance and harmony, handed down from times immemorial! may be understood in New ways:

it was a practical and vital philosophy of life which we may be about to understand again.

CONCLUSI ON

What we took to be a rather primitive reed hut on first sight is now revealed to be the nucleus of an extraordinarily complex system. The house of the Ainu is a point of crystallisation for an extended practical philosophy of life. This philosophy can only be understood if all available details of daily Ainu life are correlated. The essential point is that this philosophy does not want to rule against nature. On the contrary, implants itself in the environment and develops a complex system in which! on various levelsculture and architecture are more or less intensively amalgamated nith nature, Domesticated nature' With basic categorial opposites, this world view forms polar units structured like magnetic needles which adapt themselves to the field of forces, If the sacred signs are taken as the traditional prototype of the system of >magnetic needles<, as harmonious models of a complex whole - like the Yin-Yang symbol in China - then the efforts of the Ainu do not only

SEPT 89

consist in creating an environment in which inside and outside correspond at all levels: a comprehensive and vivid totality becomes visible, This is the worldview of the Ainu! Suddenly our eurocentrically-blinded mind discovers that the environmental world of the Ainuwas beautiful. Maybe, by understanding and reinterpreting such archetypes of harmony and beauty, we might be able to restructure our present chaos.

BIBLIOGRAPHY

CHARD, Chester C.

1970 A New Look at the Ainu Problem. Proceedings of the 8th Int. Congress of Anthropological and Ethnological Sciences 1968, Tokyo and Kypto; Tokyo 1970:98f.

EGENTER, Nold

- 1980 Bauform als Zeichen und Symbol (built form as sign and symbol; non-domestic architecture built in Japanese folk cults; an architectural-ethnological survey, documented in 100 villages of Central Japan). ETH, Zürich
- 1982 Sacred Symbols of Reed and Bamboo; Annually built culttorches as spatial signs and symbols. Swiss Asiatic Studies Monporaphs vol.4. Zurich
- 1985 Die Ainu Reste einer Wildbeuterkultur am nördlichen Rand national-japanischer Expansion (The Ainu Left-overs of hunters and collectors at the northern edge of national-Japanese expansion!. Ms., Ethnological Seminar of the University! Zürich
- 1987 Die Ainu: das geheimnisvolle Wildbeuter-volk im Norden Japans. (The Ainu, the mysterious hunter-gatherers in the North of Japan. Ethnological report on an advanced ecology; Radioreport, 50 min.! DRS, Bern
- Die Ainu Haus und Siedlung im traditionellen Raumplan; Bauen und Wohnen auf der Jäger- und Sammlerstufe, eine bauethnologisch-ökologische Untersuchung (The Ainu - House and Settlement in a traditional concept of spatiai organisation; a study into architectural ethnology and ecology. Dissertation! in prep.)

KAYAND, Shigeru

1976 Chise a kara: warera ie o tsukuru (We are building a house!. Tokyo

1980 Ainu no minqu (Ainu tools and implements), Tokyo

KODAMA, Sakusaemon et. al. fed. 1

1969 Ai nu Minzokushi (Ethnological Report. on the Ainu), 2 vols., Tokyo

KOKURITSU-MINZOKUGAKU-HAKUBUTSUKAN

1981 Sõgõ annai (National Ethnological Museum Osaka; Comprehensive Guide!. Suita/Osaka

KREMP, Willy

1928 Beiträge zur Religion der Ainu. Inaugural Dissertation, Freiburg i. B.

DOFSBT/ZH

LEVIN, M. G. & L. P. POTAPOV (ed.)

1961 Historical and ethnographical Atlas of Siberia.
Academy of the Sciences of USSR? Leningrad and Moscow
The Peoples of Siberia, The Univ. of Chicago Press

MONTANDON, George

1937 La Civilisation Ainou et les Cultures Arctiques, Paris

MÜHLMANN, Wilhelm Emil

1962 Homo Creator. Abhandlungen zur Soziologie, Anthropologie und Ethnologie. Wiesbaden

MUNRO, Neil Gordon

1963 Ainu Creed and Cult. London

NISHIOKA, Hideo and W. Egbert SCHENK

An outline of theories concerning the prehistoric People of Japan. American Anthropologist 39/1:23-33

OBAYASHI, Taryô

1956 Die kulturhistorische Steliung des Ainu-Hauses. Wiener Völkerkundl. Mitteilungen 4, 1956:119-134 (Adami 604)

OHNUKI-TIERNEY, Emiko

1969 Concepts of Time among the Ainu of the Northwest Coast of Sakhalin (Brief Communication;) American Anthropologist 71:488-492

1972 Spatial Concepts of the Ainu of the Northwest Coast of Southern Sakhalin, American Anthropologist 74: 426-457

1973 Sakhalin Ainu Time Reckoning. Man 8/2:286-299

RÄNK, Gustav

1949/51 Das System der Rauaeinteilung in den Behausungen der nordeurasischen Völker; ein Beitrag Zur nordeurasischen Ethnologie. 2 vols. Stockholm

SLAVIK, Alexander

1969 Eine gemeinsame Komponente itn Wortschatz des Ainu und des japanischen; Beiträge zur Japanologie Ed. 7, Wien

TAKABEYA. Fukuhei

1939a Ainu yane no kenkyû to sono kôzôgenkitai ni tsuite (Studies into the binu-roof and its basic types). In: Hoppô bunka kenkyû hôkoku (Studies from the Research Institute for Northern Culture, Hokkaido University, Sapporo), March/vol. Nr. 1[104]

1939b Ainu jûkyo no kenkyû (Research of Ainu-dwellings) In:
Hoppû bunka kenkyû hûkoku (Studies from the
Research Institute far Northern Culture, Hokkaido
University, Sapporo) Oct. / vol.? [105]

- 1940 Ainu jukvo no kenkyů - Ainu kaoku no chihoteki tokusei; Furoku Ainu kenchikugoi (Research of Ainu-dwellings regionaltypology of Ainu houses: Annex: vocabulary of wards related to building) In: Hoppô bunka kenkyû hokoku (Studies from the Research Institute for Northern Culture, Hokkaido University, Sapporo) flay / vol. 3 [106]
- Ainu minzoku no shiyo shitaru keiryo no tani narabi ni 1941a 'oto' no meisho ni kan suru kenkyû (Studies into the units of measuring used by the Ainu and into the names of sounds). In: Hoppó bunka kenkyű hókoku (Studies from the Research Institute for Northern Culture, Hokkaido University, Sapporo) Feb., vol. 4 [107]
- 1941b Ainu jûkyo no kenkyû; Hidaka Piratori hômen ni okeru chihòsei (Studies into Ainu dwellings; particular characteristics found in the region of Pi ratori, Hi daka, Southern Hokkaido), In: Hoppô bunka kenkyû hokoku (Studies from the Research Institute for Northern Culture, Hokkaido University, Sapporo July! vol. 5 [108]
- no jûkyo (Dwellings of the Ainu). 1943a Ai nu Tokyo, Shôkokusha, 211 p., ill. [36]
- Hoppoken no ie (Houses in the Northern Districts1 1943b Tokyo, Shôkokusha (6) [43]

WATANABE, Hrtoshi

1973 The Ainu Ecosystem. Seattle and London

YAMAMOTO, Yûkô

1970 Karafuto Ainu no iúkyo to minou (Housing and Folk Craft of the Sakhalin Ainu; written in cooperation with Mashio Chiri). Tokyo, Sagami Shobô