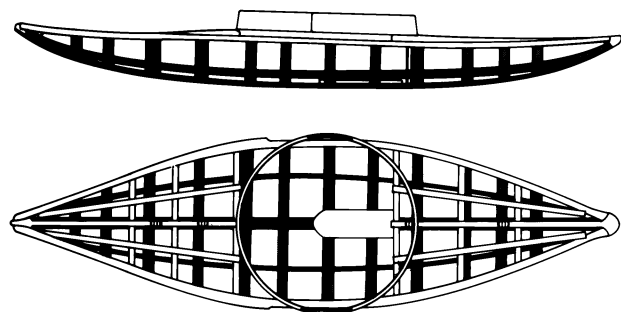


		OFFSETS - CM TO OUTSIDE OF SKIN														
		STEM	1	2	50	3	100	4	150	5	200	6	225	7	250	STERN
LEADS BASELINE	DECKRIDGE	28.5	27.5	27.8	-	-	25.8	23.0	23.2	22.5	-	-	-	-	-	-
	SHEER	25.6	24.6	23.6	21.8	21.5	20.5	21.0	-	-	-	-	-	-	-	-
	CHINE	20.1	15.7	11.1	10.5	11.3	13.1	-	-	-	-	-	-	-	-	-
	KEELSON	27.5	16.0	9.2	4.7	3.7	5.3	8.9	17.3	-	-	-	-	-	-	-
HALF BREADTH	DECKRIDGE	0.0	0.0	-	-	-	0.0	0.0	0.0	-	-	-	-	-	-	-
	SHEER	12.0	20.8	35.5	35.2	29.0	15.7	0.0	-	-	-	-	-	-	-	-
	CHINE	7.0	12.0	15.8	16.5	12.6	7.7	5.6	-	-	-	-	-	-	-	-
	KEELSON	0.7	1.0	1.0	0.6	0.6	0.5	0.3	-	-	-	-	-	-	-	-



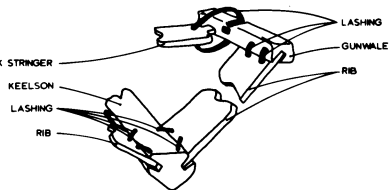
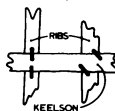
AFT PORT STRINGER NOTCHED SCARF JOINT



AFT STARBOARD SCARF JOINT



VARIATIONS OF RIB/KEELSON LASHING



THIS KAYAK (MAD) WAS ORIGINALLY COLLECTED BY WALDEMAR JOCHELSON ON THE 1900-1901 JESUP NORTH PACIFIC EXPEDITION. IT WAS AMNH NO. 3322 UNTIL TRADED BY THE AMERICAN MUSEUM OF NATURAL HISTORY TO Leningrad. IT IS VERY SIMILAR TO THE KAYAK PUBLISHED BY JOCHELSON IN HIS AMNH MEMOR ON THE KORYAK.

CONSTRUCTION OF THIS KAYAK IS CRUDE THOUGH-OUT EXCEPT FOR THE PORT SIDE STRINGER WHICH IS OF TWO PIECES WITH A NOTCHED SCARF JOINT THE BOW AND STERN END BLOCKS ARE FORMED BY A CONTINUATION OF THE CENTRAL DECK STRINGERS WHICH BOTH WIDEN AND DEEPEN TO ACCEPT THE GUNWALES AND KEELSON WHICH FIT INTO THEM. THE RIBS ARE IN TWO PIECES AND FIT INTO A SLOT CARVED INTO THE SIDES OF THE TRIANGULAR-SHAPED KEELSON WHICH IS ROUNDED TO FORM THE BOTTOM CENTERLINE. FOUR VERTICAL STANCHIONS ARE MORTISED INTO THE KEELSON AND CENTRAL DECK STRINGER, TWO FORE, AND TWO AFT OF THE COCKPIT. THE LASHINGS ARE BAILEEN, BRAZED SNEW AND BEARDED SEALSKIN THONG. TWO POORLY DEHAIRD SHINS FORM THE COVER WITH CRUDE RAISED SEAMS. THE KAYAK IS IN GOOD CONDITION AND IS EXTREMELY RIGID AND STURDY.

KORYAK KAYAK

MUSEUM OF ANTHROPOLOGY AND ETHNOGRAPHY LENINGRAD

MAE 956-49, A-C
LENGTH 8'5.8" 258.5
BEAM 28.3" 72.0
DEPTH TO SHEER 7.5" 19.0
WEIGHT 33.1 lbs 15.0 kg
COLLECTED BY WALDEMAR JOCHELSON, 1900
PENSHINA BAY, SEA OF OKHOTSK, SIBERIA.
SCALE 1:10 IN CENTIMETRES
LWL (LOAD WATERLINE) BASED ON A 68.4 kg
(150 lbs) MAN SEATED 130.0 cm FROM BOW
DISPLACEMENT TO SHEER 114.3 kg 251.9 lbs
CP (PRISMATIC COEFFICIENT) .53
HULL SPEED 3.5 KNOTS
LOADED KAYAK UNSTABLE AT 29°HEEL

LINES AND CONSTRUCTION DETAILS

SHEET 1 OF 1
LINES TAKEN OFF BY DAVID W. ZIMMERLY
NOVEMBER, 1975
DRAFTED BY HAROLD J. PENDERGAST, 1981