

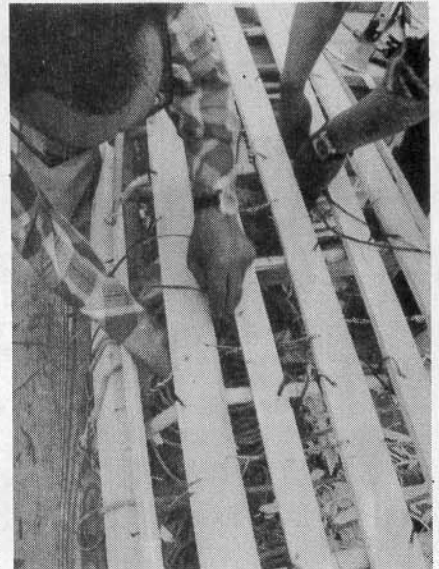
HISTORY



Figure 2
KAYAKS BUILT DURING THE 1976 ONTARIO SCIENCE CENTRE'S "NATIVE HERITAGE EXHIBITION" WERE LAUNCHED AND DEMONSTRATED TO THE PUBLIC IN THE CENTRE'S FOUNTAIN, FOR WANT OF BETTER WATERS.



Figure 3
THE HEAVY GUNWALES ARE THE MAIN STRENGTH MEMBERS AND ARE HELD APART BY 17 DECK BEAMS MORTISED INTO THE GUNWALES. THE CURVED DECKBEAM JUST FORWARD OF THE COCKPIT COAMING IS CARVED FROM A SINGLE PIECE OF WOOD FOR MAXIMUM STRENGTH.



Figures 4, 5, & 6
THE COMPLETED LADDER-LIKE FRAME IS TURNED UPSIDE DOWN. SEVERAL KEY RIBS ARE FITTED INTO MORTISES IN THE GUNWALES. THE KEELSON IS TEMPORARILY LASHED ON TO GIVE THE BOTTOM ITS PROFILE FORM. THE REMAINING RIBS ARE FITTED UNDER THE KEELSON, AFTER WHICH THE ENDS OF THE KEELSON ARE PERMANENTLY LASHED TO THE GUNWALES.

Figures 7 & 8
THE NEXT STEP IN CONSTRUCTION INVOLVES CARVING LONG, SLIGHTLY HOLLOWED LONGITUDINAL STRINGERS THAT ARE FITTED AND LASHED TO THE RIBS AT THE CHINE OR TURN-OF-THE-BILGE. IN THE AREA WHERE THE KAYAKER SITS, ADDITIONAL LONGITUDINAL STRINGERS ARE LASHED BETWEEN THE KEELSON AND BILGE STRINGERS.

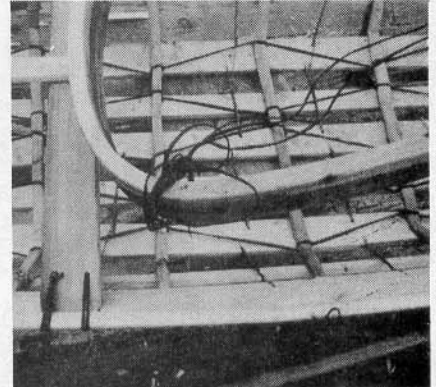
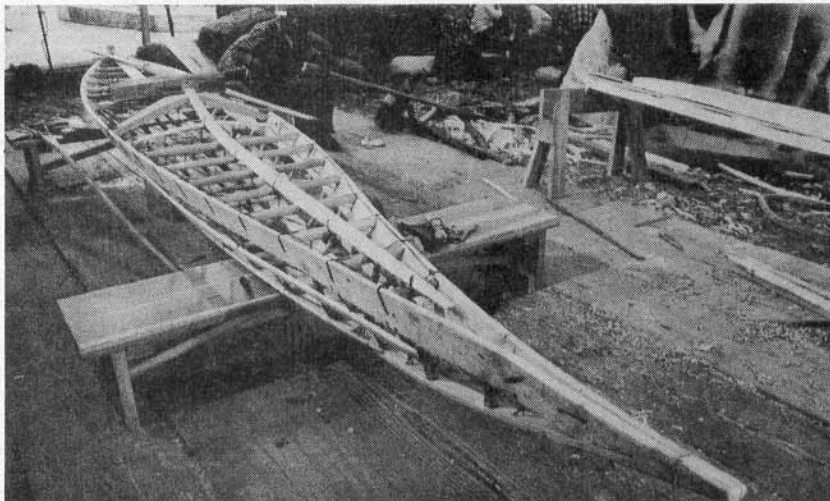


Figure 9
THE FINISHED KAYAK FRAME IS STRONG AND FLEXIBLE. ITS WIDE FLAT BOTTOM PROVIDES TREMENDOUS INITIAL STABILITY FURTHER ENHANCED BY THE DESIGN'S FLARED SIDES.