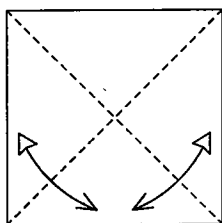
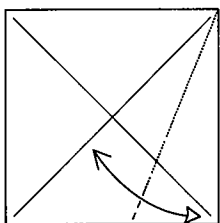


Robert J. Lang

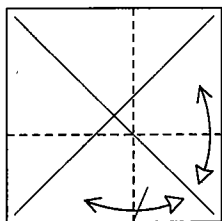
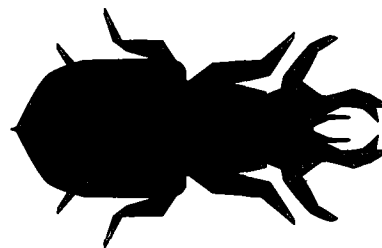
◆ Stag Beetle 2 ◆



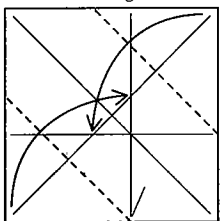
1. Fold and unfold along the diagonals.



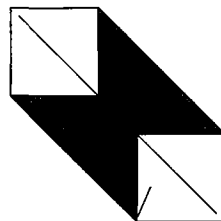
2. Fold and unfold along an angle bisector. Make the crease sharp only where it hits the edge.



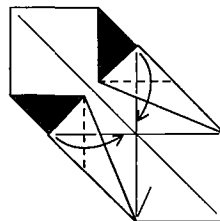
3. Fold and unfold



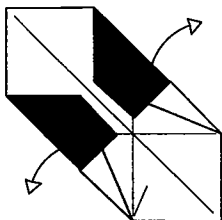
4. Fold the corners in to overlap



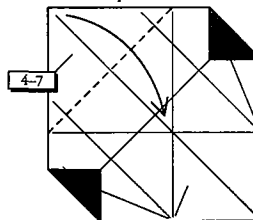
5. Fold the corners out to lie along the new edges



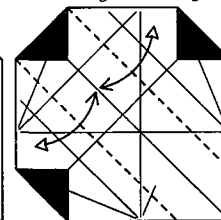
6. Fold the corners in to lie on existing creases.



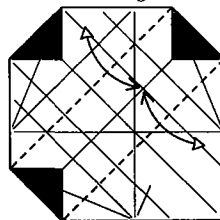
7. Partially unfold



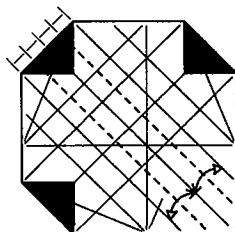
8. Repeat steps 4-7 on one corner



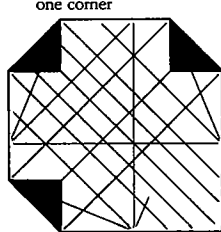
9. Fold and unfold.



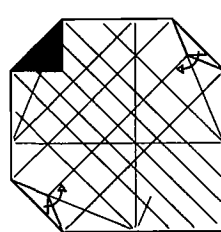
10. Fold and unfold



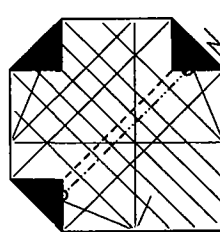
11. Fold and unfold



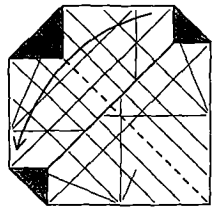
12. Fold rabbit ears from two corners



13. Unfold the two rabbit ears



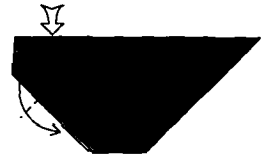
14. Pleat the paper. Note that the mountain folds hit the colored raw edges where two existing creases (made in step 12) hit the edges.



15. Fold the paper in half along the diagonal and rotate $1/8$ turn counterclockwise



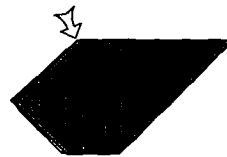
16. Fold and unfold



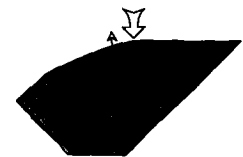
17. Reverse-fold the edge



18. Fold and unfold



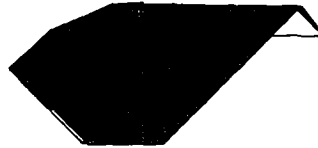
19. Open-sink the corner.



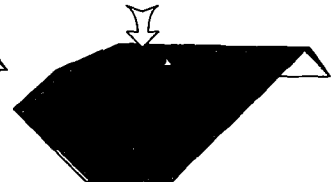
20. Spread-sink the edge symmetrically



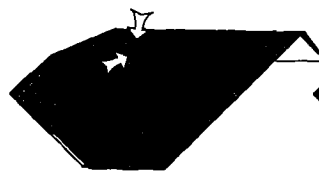
21. Fold the edge upward



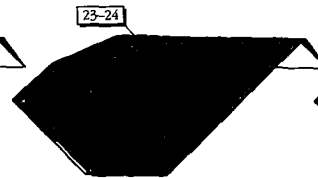
22. Fold the upper edge down to align with a hidden edge, crease, and unfold.



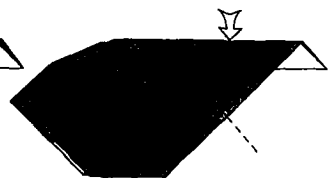
23. Pull the paper out from under the pleat and sink a square region of the paper outlined by the creases you made in step 21



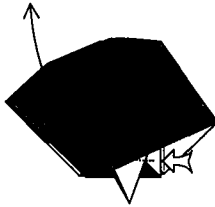
24. Flatten the model



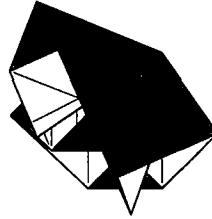
25. Repeat steps 23-24 behind



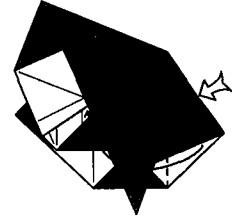
26. Asymmetrically squash-fold the right side. Note that the two circled crease intersections come together



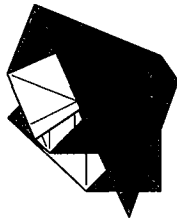
27. Reverse-fold the edge upward



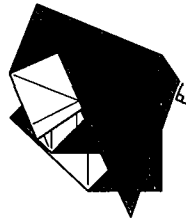
28. Bring two layers of paper to the front.



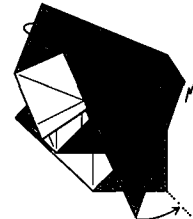
29. Reverse-fold the far edge



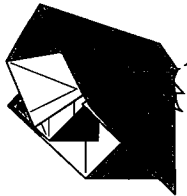
30. Fold and unfold along a horizontal crease, which lines up with a hidden edge



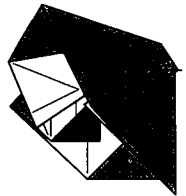
31. Fold and unfold along a crease perpendicular to the adjacent folded edge



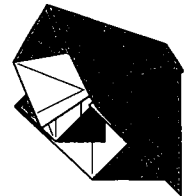
32. Pleat the right side, pivoting the bottom corner so that its edges align with the raw edges on the far layers. The model will not lie flat.



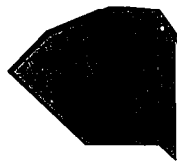
33. Reverse-fold the corner



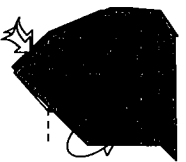
34. Pull out a single layer of paper (open unsink) to make the pleat symmetric



35. Close up the model and flatten completely



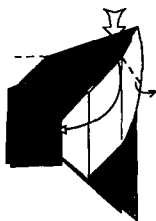
36. Mountain-fold the narrow flap behind to make the model symmetric from front to back



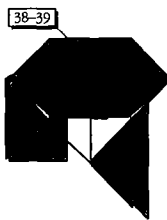
37. Simultaneously squash-fold the left edge and mountain-fold the bottom underneath, tucking it into the pocket. Repeat behind.



38. Lift up one edge and bring the bottom corner up so that it stands out away from the model.



39. Pull a colored corner out from inside the pocket, squash the top down, pull the sides out, and flatten



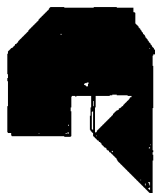
40. Repeat steps 38-39 behind



41. Reverse-fold the edges



42. Fold and unfold. Repeat behind



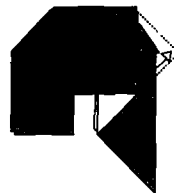
43. Fold and unfold. Repeat behind



44. Fold the corner down while squash-folding the edge underneath



45. Fold the corner back up but keep the squash fold in place



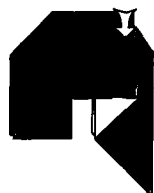
46. Pull out a raw edge.



47. Reverse-fold the edge



48. Reverse-fold the edge back out



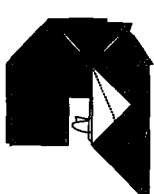
49. Reverse-fold the edge again



50. Repeat steps 42-49 behind



51. Fold one layer up, repeat behind



52. Fold the raw edge over to the right and pinch the excess paper upward. Repeat behind



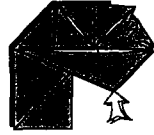
53. Reverse-fold the white point to the left



54. Wrap one layer from the inside to the front. Repeat behind.



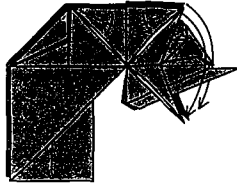
55. Fold and unfold, repeat behind



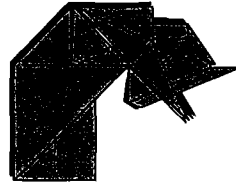
56. Open-sink the corner, repeat behind



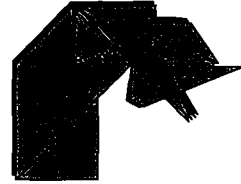
57. Pinch the narrow point in half and swing it downward Repeat behind



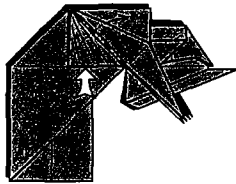
59. Stretch and narrow the point and swing it downward Repeat behind



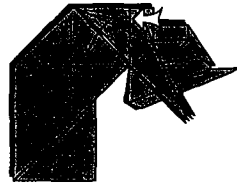
60. Now we'll work on one side at a time for a while Fold and unfold



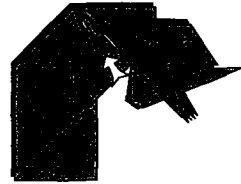
61. Fold and unfold



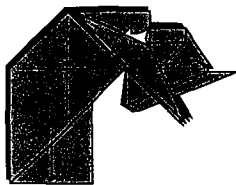
62. Reverse-fold



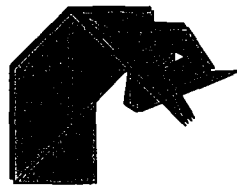
63. Reverse-fold on the crease you made in step 61



64. Reverse-fold again



65. Reverse-fold the remaining edge



66. Pull out a raw edge



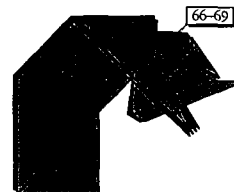
67. Reverse-fold the edge halfway between existing creases



68. Reverse-fold on an existing crease



69. Reverse-fold the edge back down to line up with the other edges



70. Repeat steps 66-69 behind



71. Fold two edges down to the lower left and spread-squash the top horizontal edge



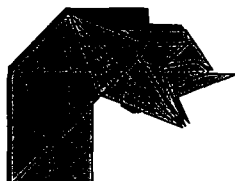
72. Lift up one layer slightly



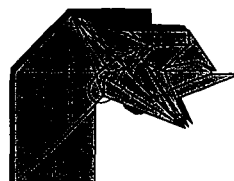
73. Reverse-fold the inside edge



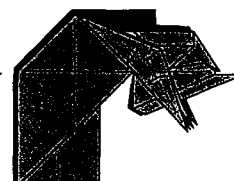
74. Close it up



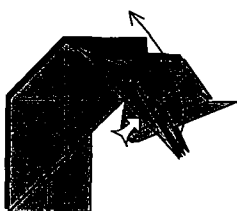
75. Fold a rabbit ear from a single layer



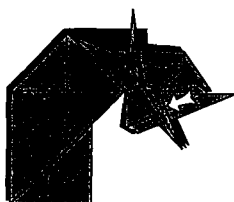
76. Fold two layers upward



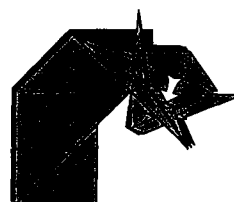
77. Fold a rabbit ear from the remaining layer



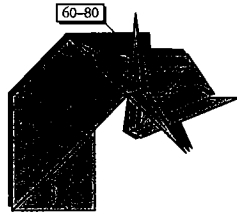
78. Reverse-fold the point upward; the reverse goes between the topmost edge and the remaining edges



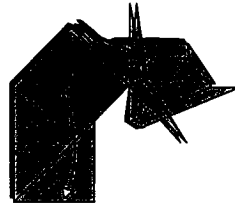
79. Sink the edge



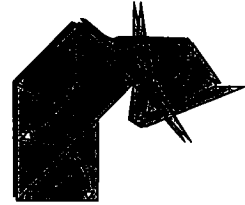
80. Mountain-fold two edges together, forming a small swivel fold at the base of the point



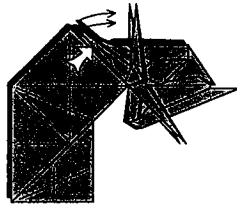
81. Repeat steps 60-80 behind



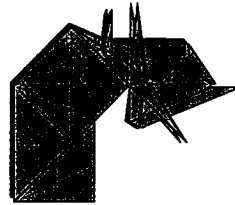
82. Fold and unfold.



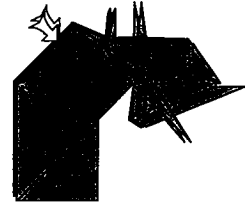
83. Fold and unfold



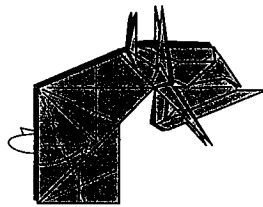
84. Reverse-fold two points



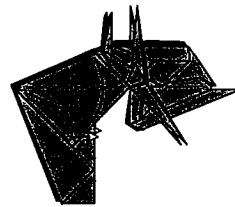
85. Fold and unfold. The coming step will be easier if you mountain-fold the paper through the thick layers as well. Repeat behind



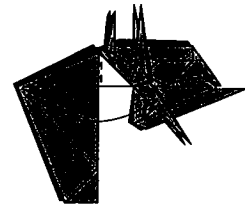
86. Closed-sink the corner Repeat behind



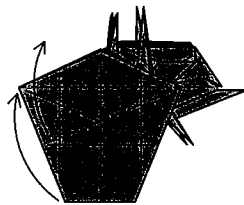
87. Fold the left edge to lie along the diagonal crease Repeat behind



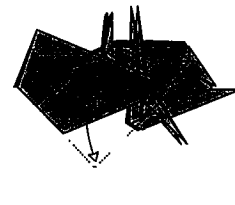
88. Pull out some loose paper and squash the excess upward Repeat behind



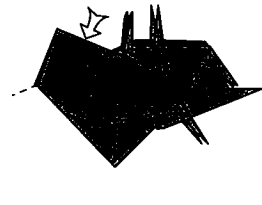
89. Open out the flap



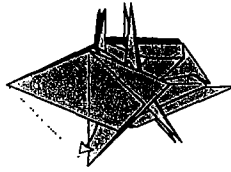
90. Pleat the flap upward



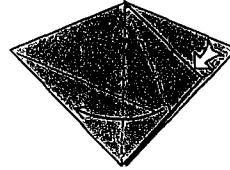
91. Pull out some loose paper



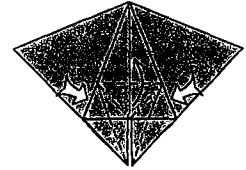
92. Squash-fold the edge and swing the excess paper to the right



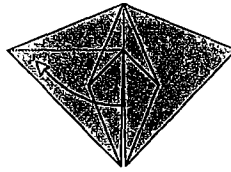
93. Pull out some more excess paper



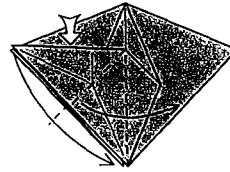
94. Detail of the left half of the model. Squash-fold the flap



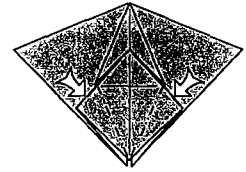
95. Petal-fold the edge



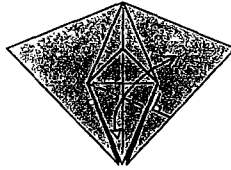
96. Pull one of the corners of the square all the way out from inside



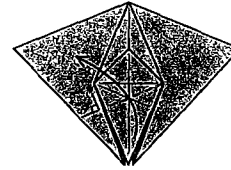
97. Squash-fold the corner symmetrically



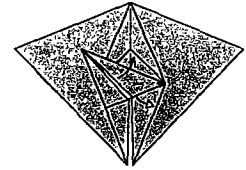
98. Reverse-fold the edges



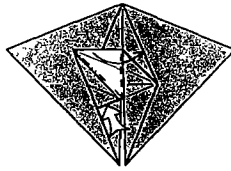
99. Fold and unfold



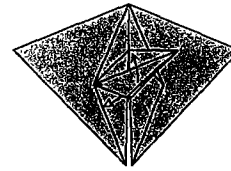
100. Fold the point up to the left



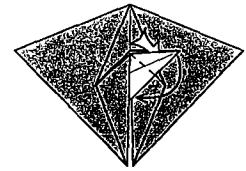
101. Pull out some paper



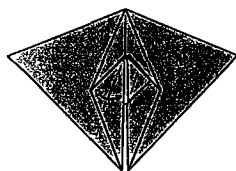
102. Squash-fold the paper over to the right



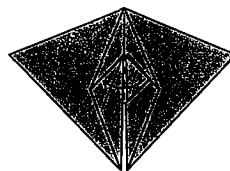
103. Pull out some paper



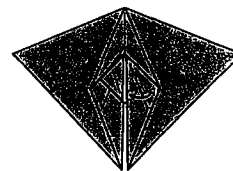
104. Outside-reverse-fold the corner



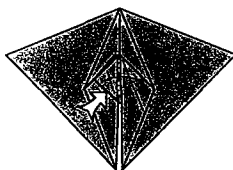
105. Fold and unfold



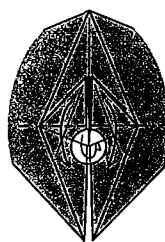
106. Fold one flap over to the left



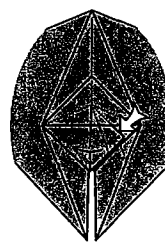
107. Fold and unfold



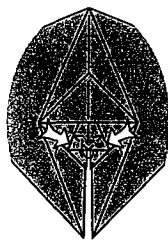
108. Reverse-fold the corner



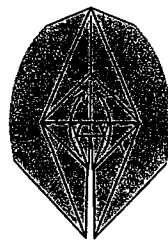
109. Enlarged view
Mountain-fold the white
corner underneath and swing
the two points down



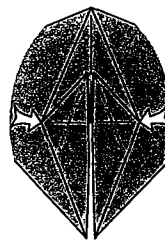
110. Squash-fold the point



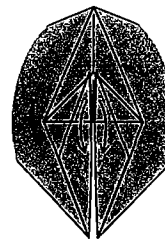
111. Inside petal-fold the
edge



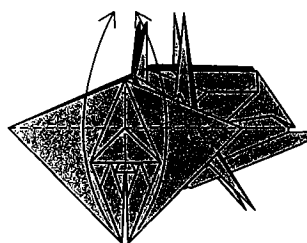
112. Fold two points up



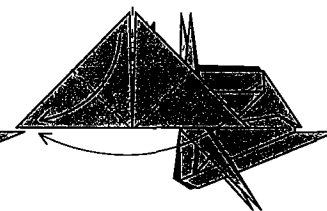
113. Open-sink both corners



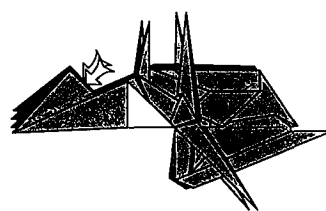
114. Fold two points down



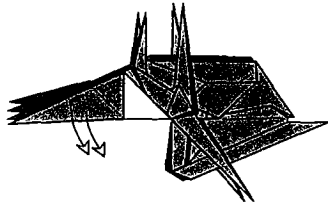
115. Fold two points upward



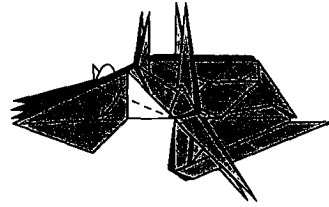
116. Close up the model,
incorporating a reverse fold



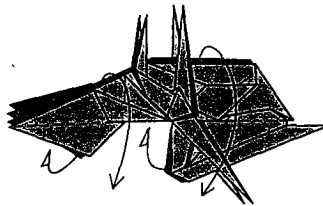
117. Reverse-fold two edges



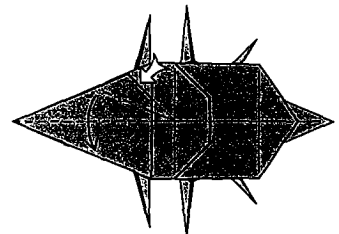
118. Pull out some loose paper



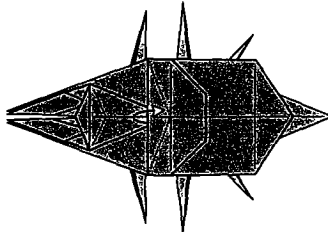
119. Valley fold the raw edge down Repeat behind



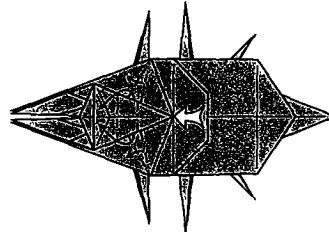
120. Fold half of the top layers forward and half of the bottom layers behind



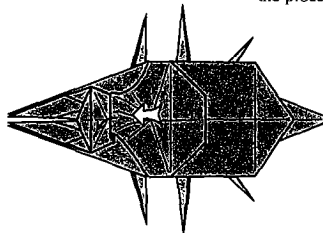
121. Carefully spread-sink the corner, spreading all of the layers symmetrically



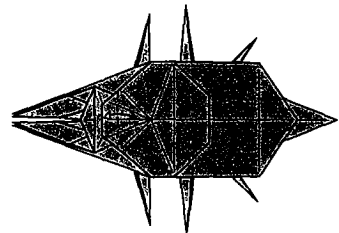
122. Closed un-sink the pocket



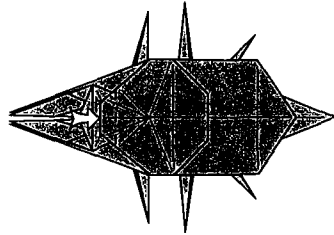
123. Grasp two edges of the point you just pulled out and stretch them to the left, the point disappears in the process



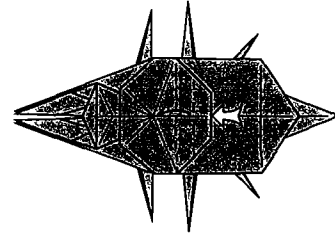
124. In progress



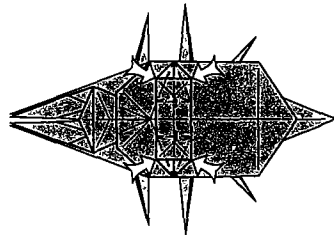
125. Fold and unfold



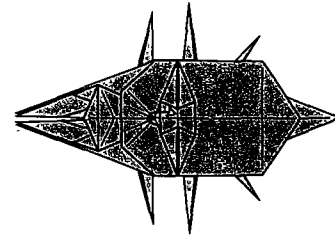
126. Closed-sink the edge on the crease you just made. It helps to open the model out from the underside while you do this



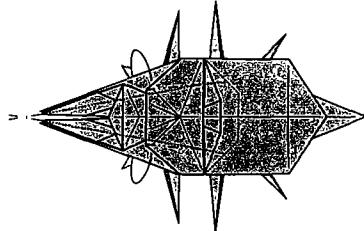
127. Spread-sink the edge symmetrically



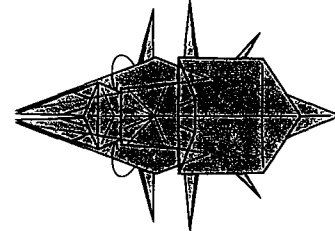
128. Sink the bottom two corners and squeeze the excess paper upward. Be careful to keep the paper from filling up the vertical slit between the sides! Repeat on the top



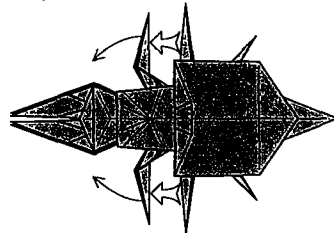
129. Bring one layer in front



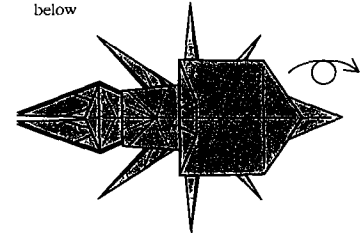
130. Mountain-fold one layer behind on top and bottom



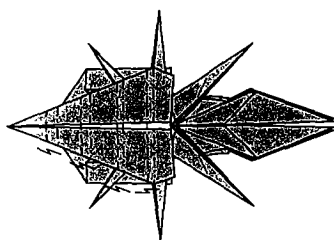
131. Valley-fold a double edge to the center line of the model above and below



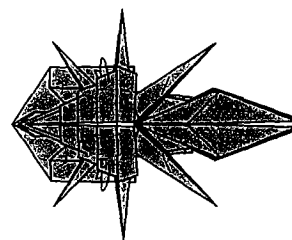
132. Undo two reverse folds



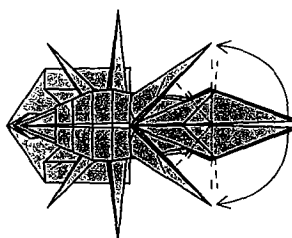
133. Turn the model over



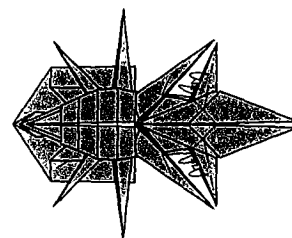
134. Pleat the abdomen



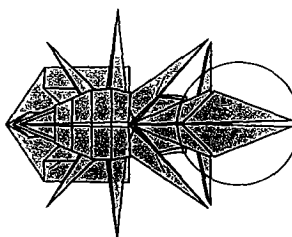
135. Mountain-fold the edges of the pleated part



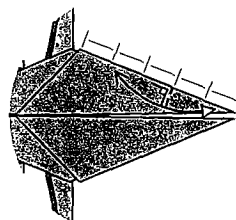
136. Crimp the thick (inner) points so that they stand straight out from the body



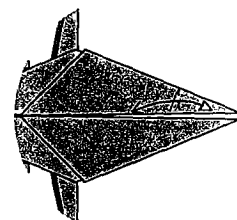
137. Mountain-fold the edges and tuck them into pockets. Repeat behind



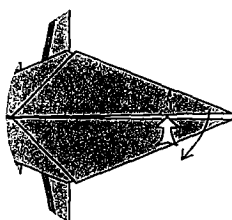
138. Next views are a close-up of the right side of the model



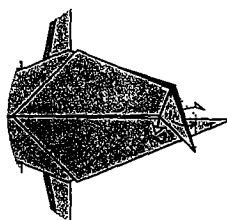
139. Fold and unfold about 2/5 of the point



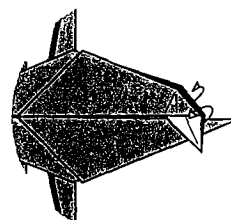
140. Fold and unfold. Note that the vertical crease hits the top edge at the same place the last crease did



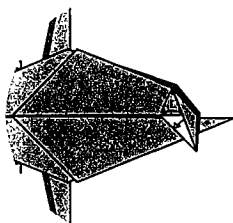
141. Crimp the point downward on the existing creases



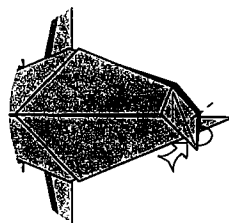
142. Pull out two layers on the top and bottom



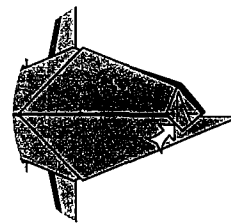
143. Wrap one layer to the front. Repeat behind



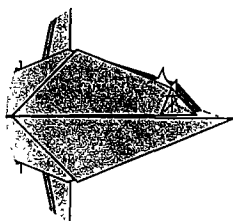
144. Pull out some loose paper
Repeat behind



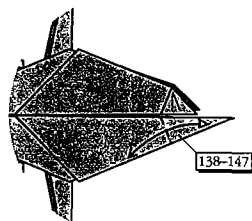
145. Reverse-fold the point



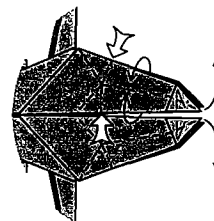
146. Reverse-fold the corner



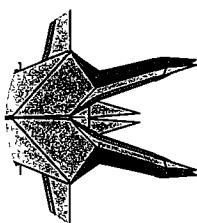
147. Reverse-fold the hidden
corner



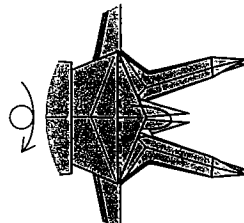
148. Repeat steps 138-147 on
the lower flap



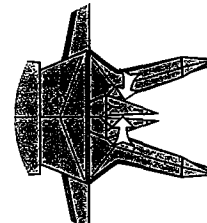
149. Pinch the two flaps in half
through all layers



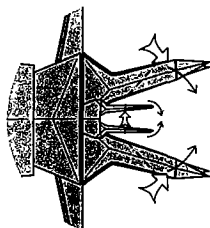
150. Turn the model over



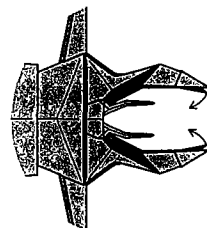
151. Mountain-fold the blunt
corner inside



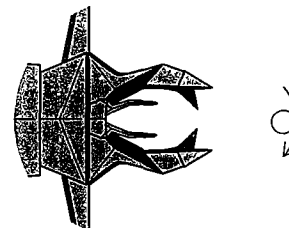
152. Pinch the two small points
in half



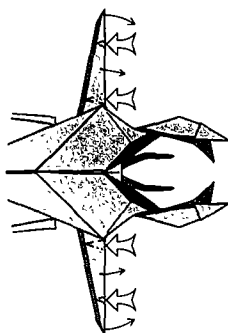
153. Pinch the two small points
in half



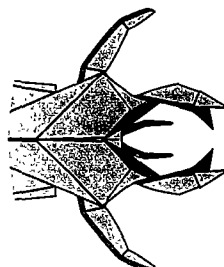
154. Pull out two points



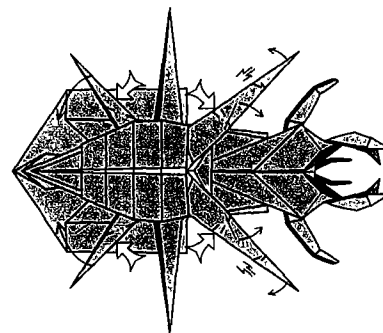
155. Turn the model back over



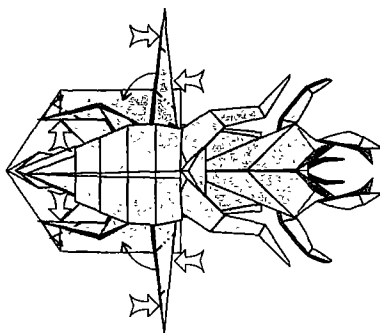
156. Crimp the antennae to the right



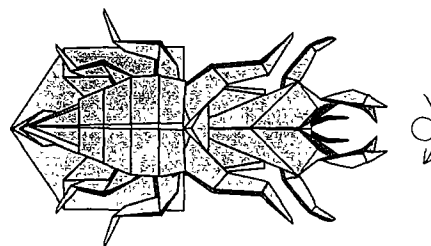
157. Like this



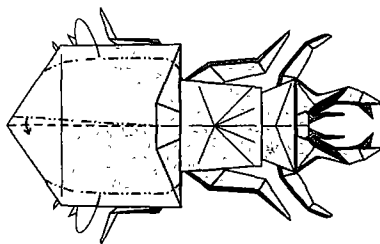
158. This shows the entire model Crimp the forelegs (on the right) Reverse-fold the hind legs



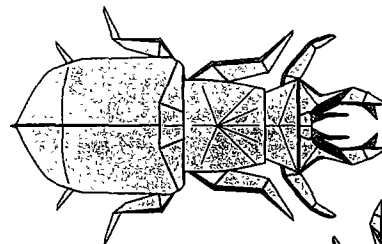
159. Reverse-fold the hind feet
Reverse-fold each mid leg twice.



160. Turn the model over



161. Round the abdomen and pleat it down the middle Make the body 3-D



162. Finished Stag Beetle

