

みみずく Horned Owl

創作 Created 1997/9 止まり木創作 2005

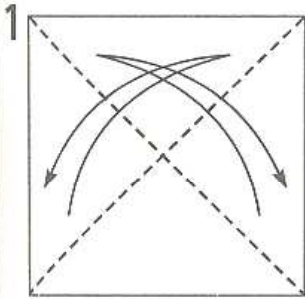
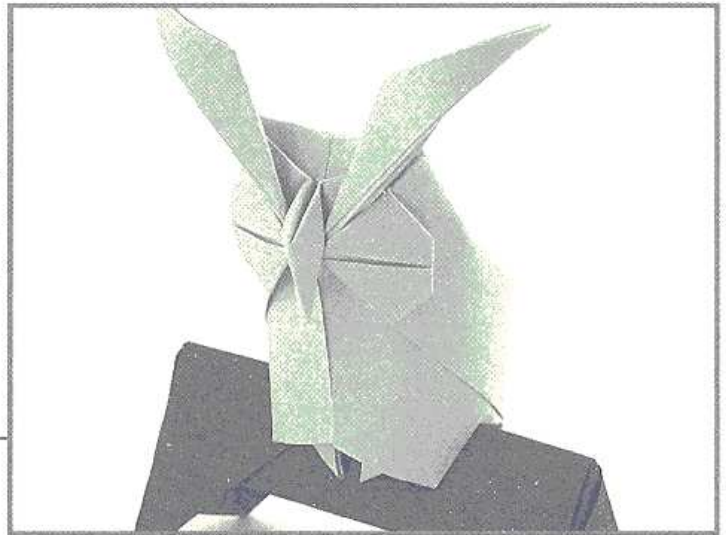
難易度 Difficulty ★★★

使用紙サイズ Paper Size 15×15cm

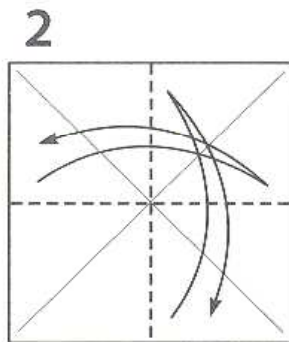
折り図初出 First Published

『折紙探偵団新聞』49号(1998, 折紙探偵団)

"Origami Tanteidan Newsletter" No.49 (1998, JOAS)

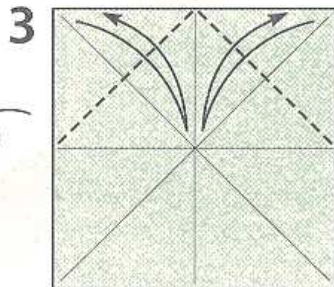


折り筋をつける
Fold and unfold.

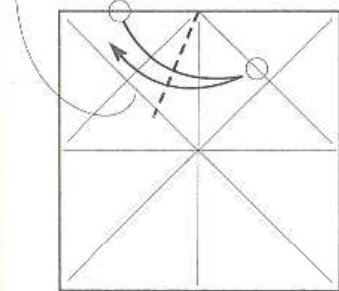


折り筋をつける
Fold and unfold.

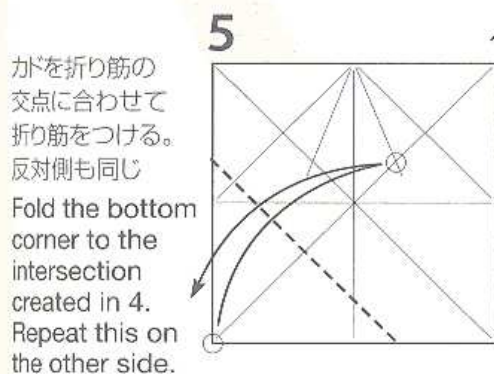
この折り筋と
交わるまで
Fold only
up to the
diagonal.



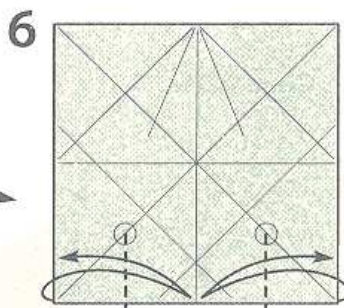
折り筋をつける
Fold and unfold.



フチと折り筋を合わせて折り筋をつける。
反対側も同じ
Fold the top left edge to the right
diagonal crease line and unfold.
Repeat this on the other side.

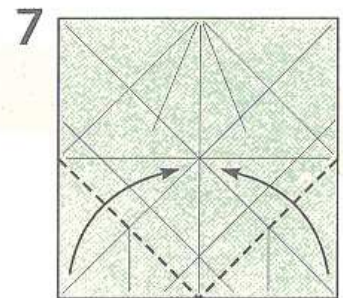


カドを折り筋の
交点に合わせて
折り筋をつける。
反対側も同じ
Fold the bottom
corner to the
intersection
created in 4.
Repeat this on
the other side.

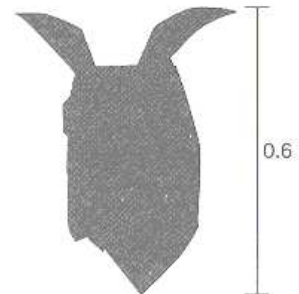
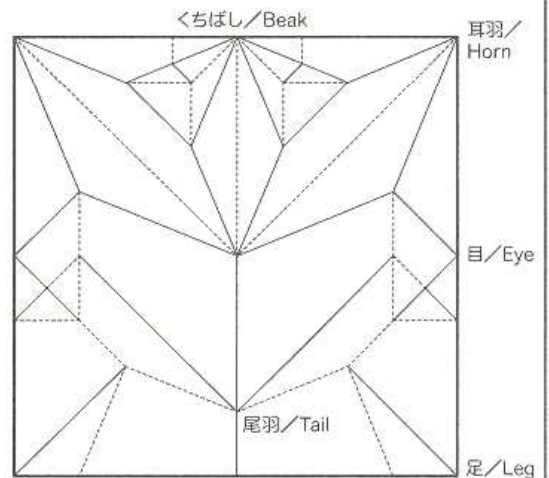


折り筋とぶつかる
ところまで
折り筋をつける

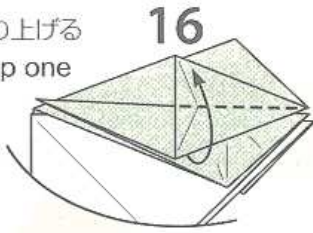
Fold the two bottom
corners to the center
of the bottom edge.
Stop where the crease
lines intersect with the
diagonals.



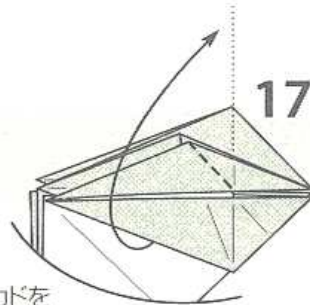
カドを中心に合わせて折る
Fold the bottom corners
to the center.



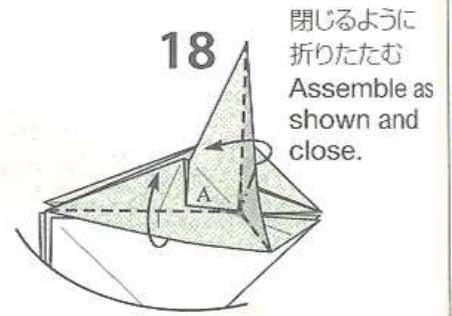
1枚折り上げる
Fold up one layer.



16

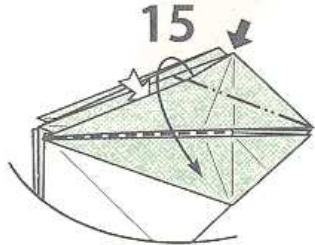


17



18

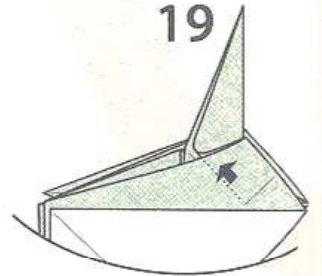
閉じるように
折りたたむ
Assemble as
shown and
close.



15

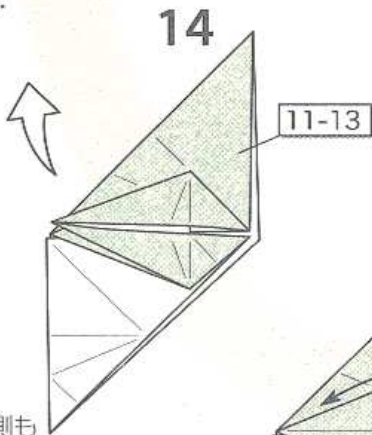
すき間をひろげて
押しつぶすように折る
Open the layer and
squash.

長いカドを
いっぱい折り上げる。
※内側の小さいカド
(次の図のA)は折らない
Fold up the top layer
so far as it goes.
Do not fold a small
corner (A in the next
diagram) together.



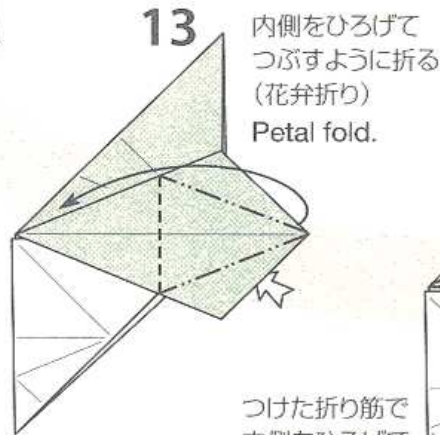
19

(途中の図)
平らに押さえる
Flatten the model.



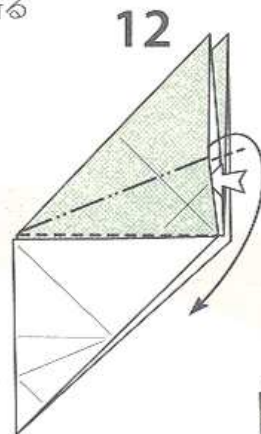
14

向こう側も
11~13と同様に折る
Repeat 11-13
on the other side.



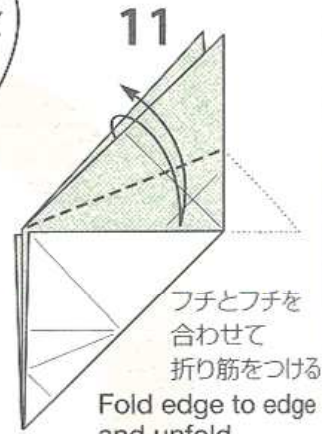
13

内側をひろげて
つぶすように折る
(花弁折り)
Petal fold.



12

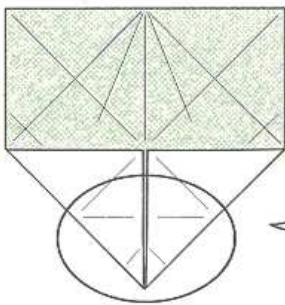
つけた折り筋で
内側をひろげて
折りたたむ
Open the flap from
inside and flatten it.



11

フチとフチを
合わせて
折り筋をつける
Fold edge to edge
and unfold.

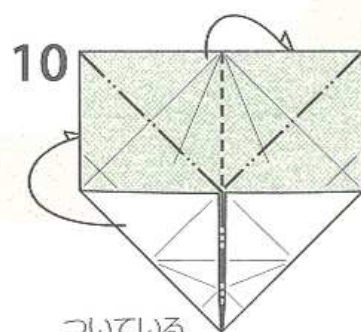
8



9

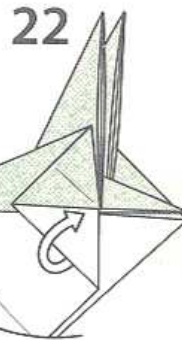
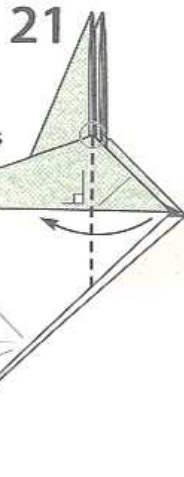
中心線の
ところまで
しっかりと折り筋をつける
Fold edges to the crease line
but stop where the two new
crease lines intersect.

10

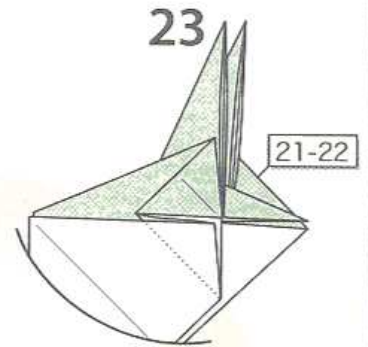


ついている
折り筋で折りまとめる
Assemble using
the crease lines.

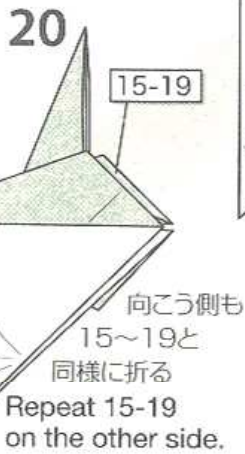
○を通る線で折り返す
Fold the right corner
to the left starting
where the edge meets
the circled point.



内側から
紙を引き出してたたみなおす
Pull out the hidden white
layer.

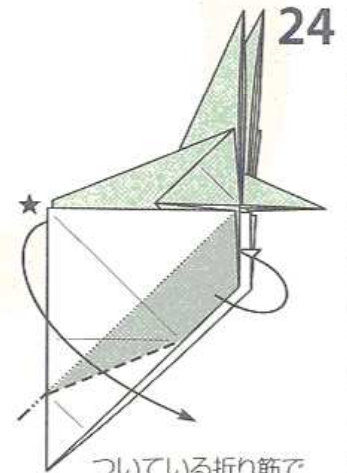
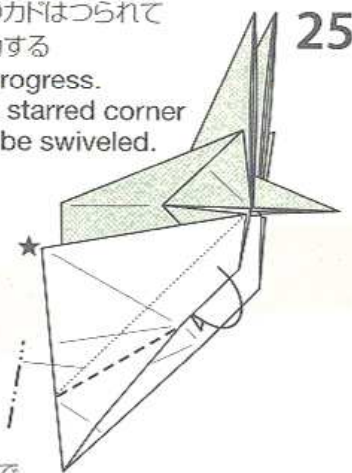


向こう側も21~22と
同様に折る
Repeat 21-22 on the
other side.



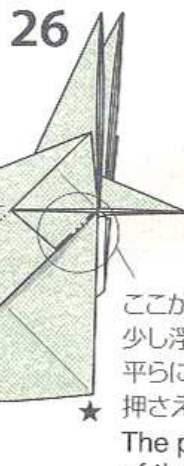
向こう側も
15~19と
同様に折る
Repeat 15-19
on the other side.

(途中の図)
★のカドはつられて
移動する
In progress.
The starred corner
will be swiveled.

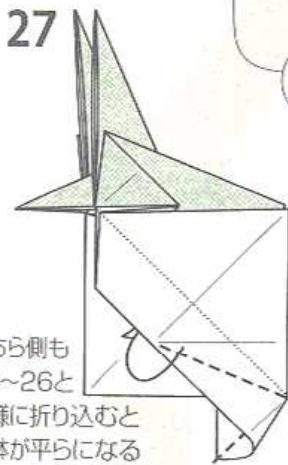


ついている折り筋で
■を内側に
折り込むように折る
Fold the gray area
inside using the
crease line.

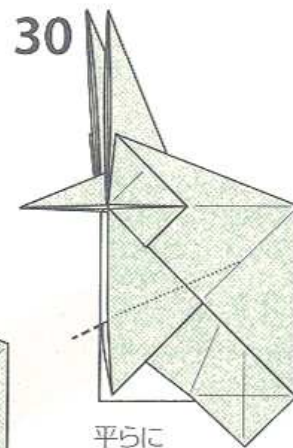
ここは立体に
なっている
The white corner
should not be
flattened.



ここが
少し浮くので
平らになるよう
押さえる
★
The portion
of the edge here
must be flattened.

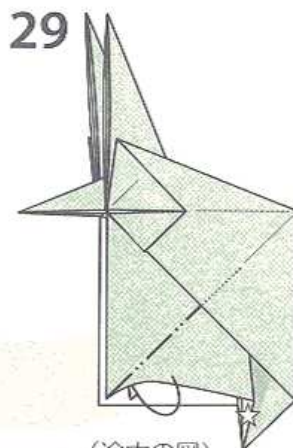
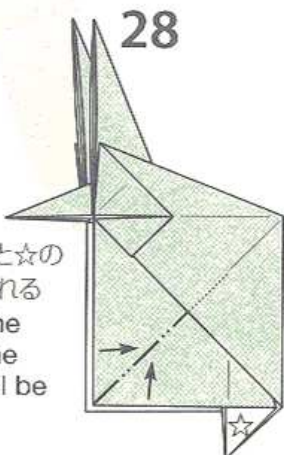


こちら側も
24~26と
同様に折り込むと
全体が平らになる
Repeat 24-26
on this side,
so the model
will be flat.

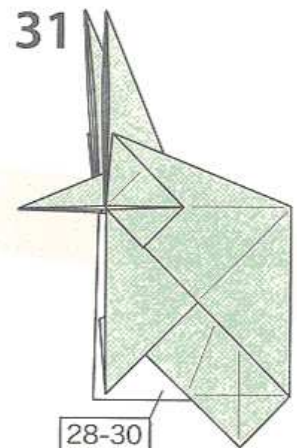


平らに
なるように押さえる
Flatten the model.

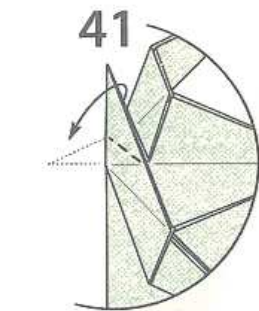
折り筋をつまむと☆の
紙が引き寄せられる
Pinch along the
diagonal so the
white layer will be
swiveled.



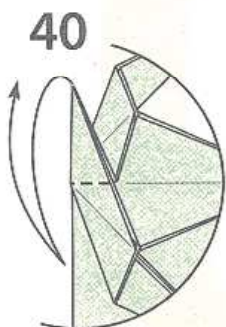
(途中の図)
Mountain fold.



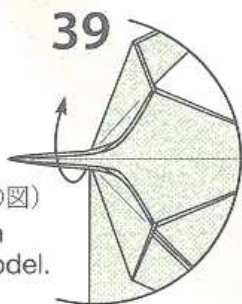
向こう側も
28~30と同様に折る
Repeat 28-30 on
the other side.



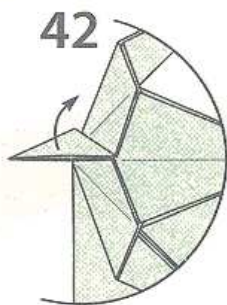
つけ根から水平に折る
Fold down the layer
so that the edge
will be horizontal.



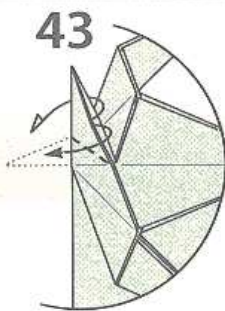
カドを折り返して
折り筋をつける
Fold the corner
and unfold.



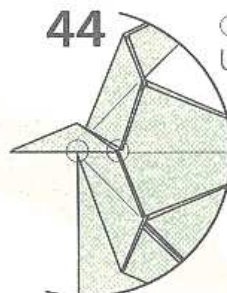
(途中の図)
Flatten
the model.



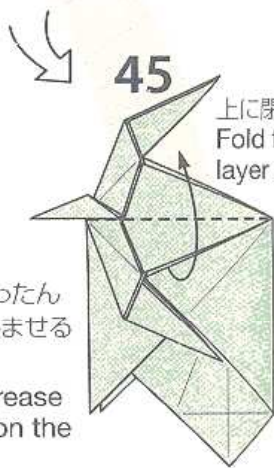
よく折り筋を
つけて戻す
Crease tightly
and unfold.



真ん中のすき間をひらいて
つけた折り筋でかぶせ折り
Outside reverse fold
opening at the middle
of the series of layers.

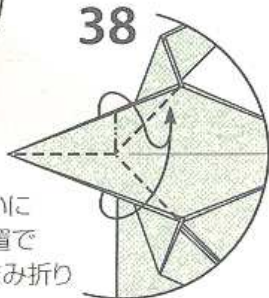


○で示した箇所が
しっかりとキマって
折られていること
Check if the
circled points
go where the
diagram show.

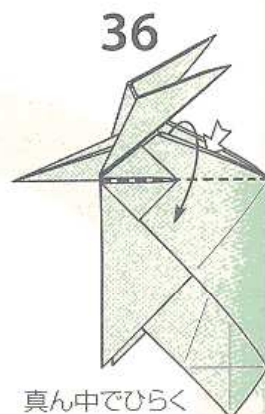
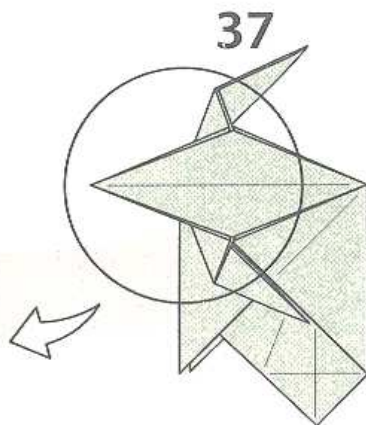


上に閉じる
Fold the
layer up.

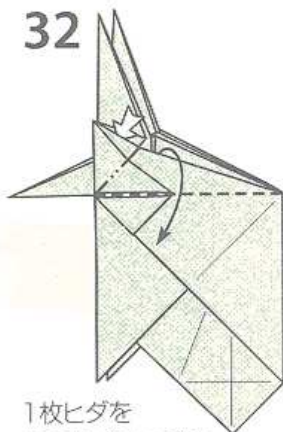
45を折った後でいったん
全体の折り目をなじませる
ようにすると良い
At this point, recrease
the crease lines on the
whole model.



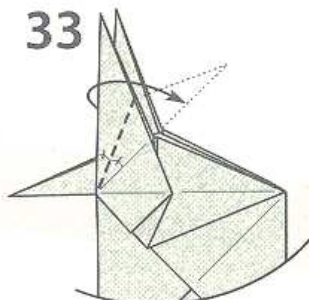
めいっぱい
折れる位置で
カドをつまみ折り
Rabbit-ear fold
where it can go
the furthest.



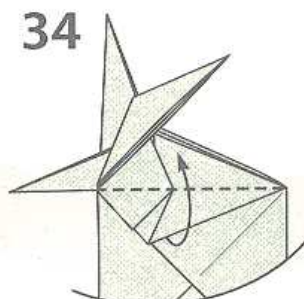
真ん中でひらく
Fold down the layer.



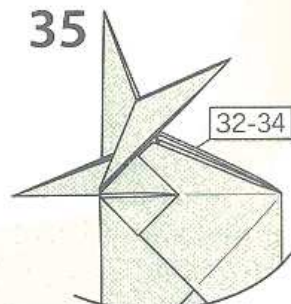
1枚ヒダを
折り下げてつぶす
Fold down the layer
and flatten the corner.



折り筋に合わせてカドを折る
Fold the top vertical edge
to the crease line.

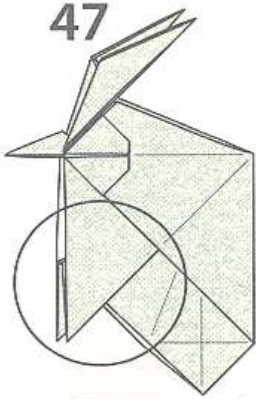


ヒダを折り返す
Fold up the layer.



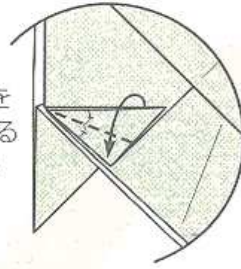
向こう側も32~34と
同様に折る
Repeat 32-34 on the
other side.

47



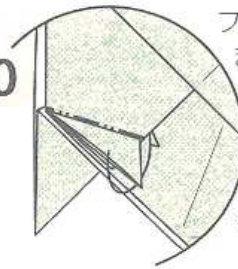
49

フチとフチを
合わせて折る
Fold edge
to edge.



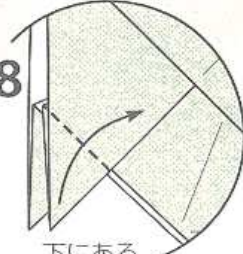
50

フチのところで
まとめて後ろに
折る
Fold the
series of
layers inside
along the edge.



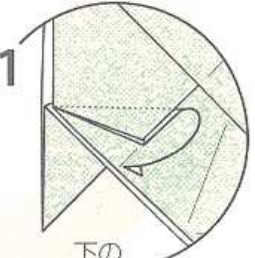
48

下にある
フチに沿って折る
Fold the corner
along the hidden
edge.

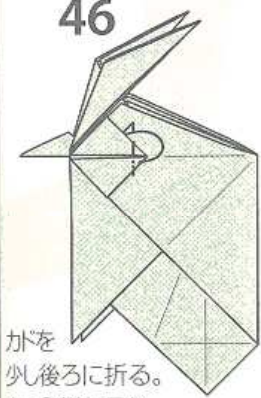


51

下の
カドだけ出す
Pull out the
lower layer.



46

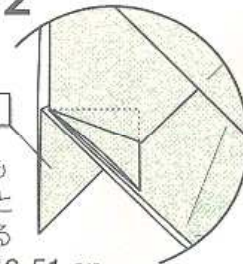


カドを
少し後ろに折る。
向こう側も同じ
Mountain fold the corner.
Repeat on the other side.

52

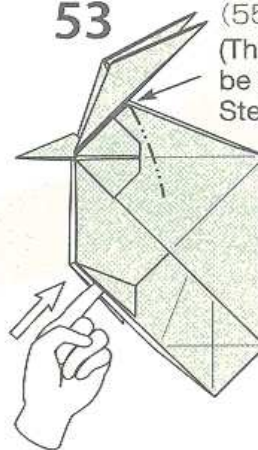
向こう側も
48~51と
同様に折る
Repeat 48-51 on
the other flap.

48-51



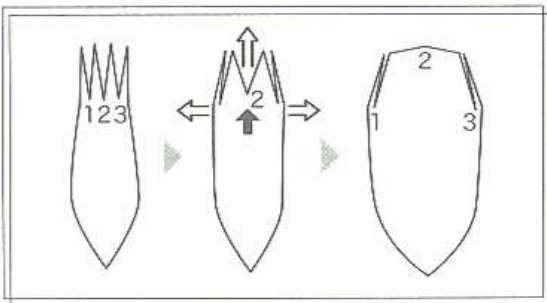
53

(55参照)
(This point will
be critical in
Step 55)



指を入れて54のように
内側をひろげる
Put your index finger
inside the model and
shape the model as
in 54.

54

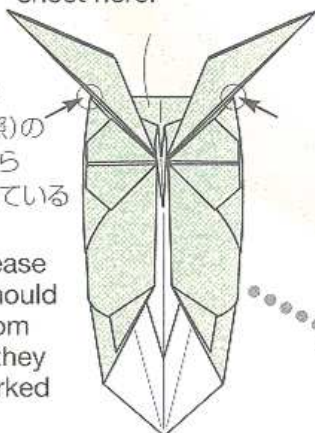


(前から見た断面図)
中央のヒダを押し上げ残りのヒダは左右に寄せる
(A cross section viewing from the front of the model)
Push up the middle layer and assemble the other
layers to the left and right, respectively.

55

頭の上は紙が1枚になっている
There is only one layer
of sheet here.

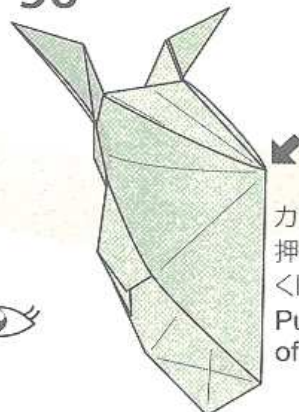
このカド
(53参照)の
ところから
ひろがっている
こと
The crease
lines should
start from
where they
are marked
in 53.



56

このような感じ。
この段階では多少
ぐしゃっとして
構わない
At this point, the
sunk corner need
not be neatly
shaped.

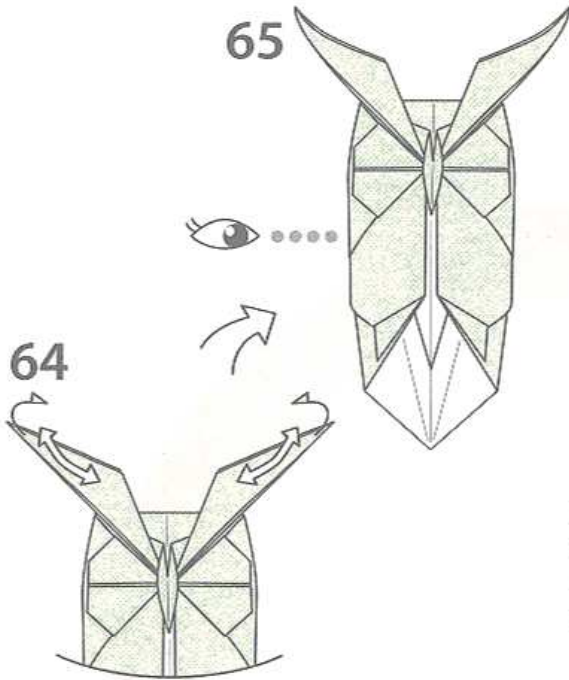
カドを思い切って
押し込んで
くぼんだ状態にする
Push in the tip
of the corner.



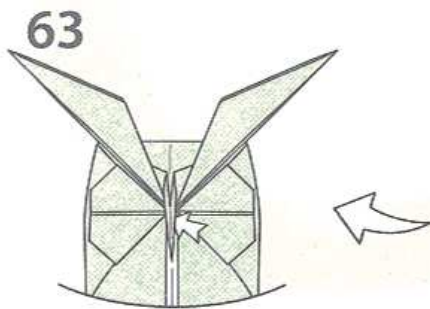
57

(断面のようす)
A cross section
from the side.

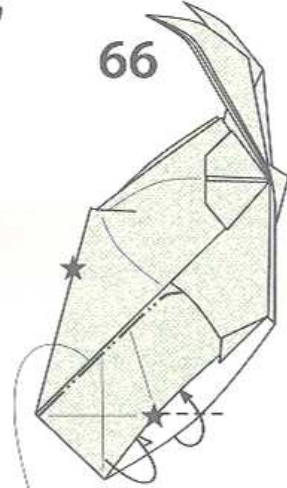




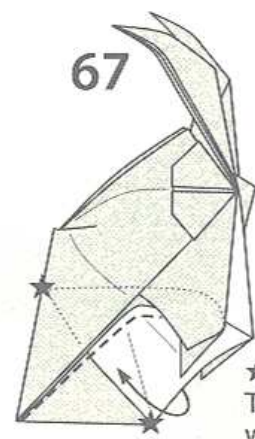
カド(耳羽)を後ろに反らせる
Make the layers warped to the back.



くちばしが目のつけ根にかぶさるように少しひろげる
Open the layer of the beak a little to cover the eyes.



このフチに沿って内側に折る
Fold along the edge inside.

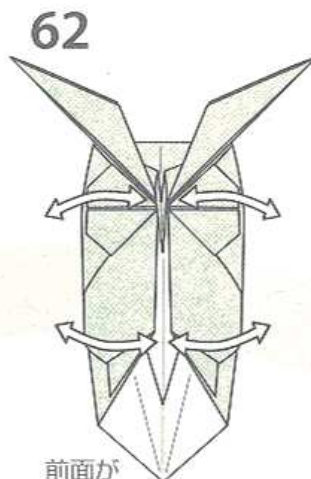


66と同様に後ろのフチに沿って内側に折る
Fold the layer inside as we did in 66.

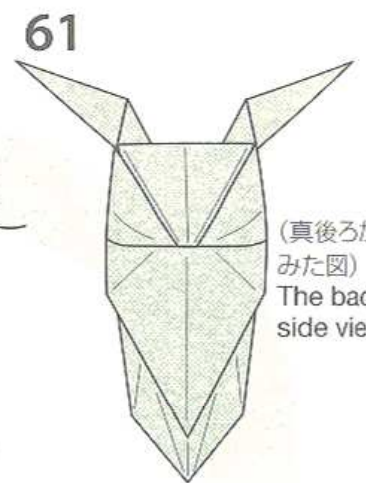
★が内側で重なる
The starred points will be on top of each other.



67を下から見たところ
The bottom view of 67.



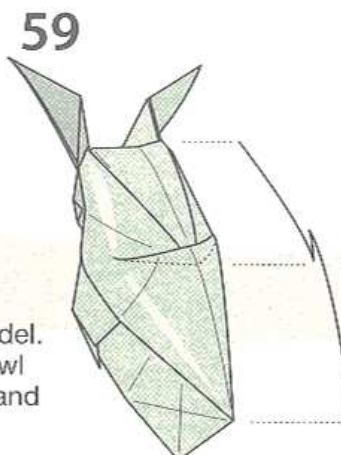
前面が円柱状になるようにカーブをつける。特に紙の重なっているところによく丸みをつけること
Make the front of the owl cylindrical, especially where there is a series of layers.



(真後ろからみた図)
The back side view.



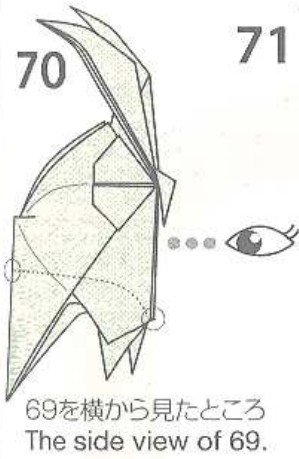
内側と外側から少しずつ押さえるようにして、背中をゆるやかな曲面にする
Push and shape the model from both inside and outside of the model. The back of the owl should be gently and slightly curved.



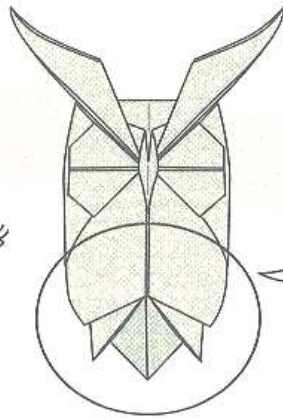
このようになる。微妙なゆがみが出るが構わない
Do not worry too much about a bit of inconsistency.



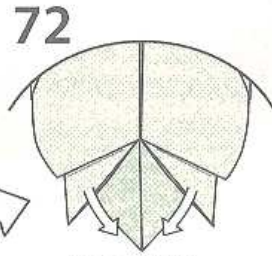
頭の上のラインをつまむようにしてかるく折り筋をつける
Pinch the top of the head gently.



69を横から見たところ
The side view of 69.

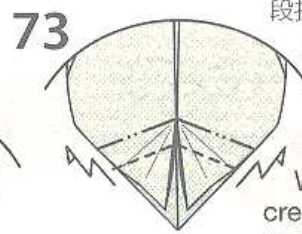


71



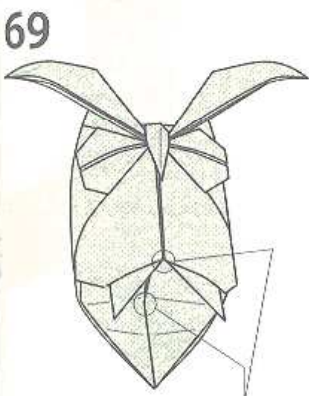
72

カドをのばす
Pull out the layer.



73

段折りで足を作る。
山折りの折り筋は
すでについている
Pleat and make
the feet.
We already have
crease lines for the
mountain fold.



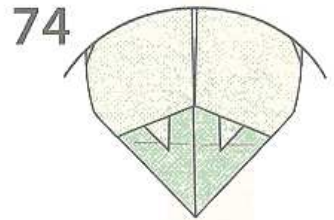
69

○のところで引っかけて
全体が閉じたようになる
The circled points will
lock and close the model.

安定した仕上がりのために…
To make the model stand stable.

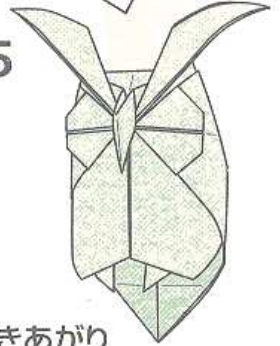
すき間を糊でとめる
Glue clusters of layers.

内側から
テープでとめる
Tape from inside.



74

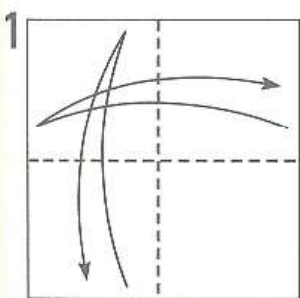
75



できあがり
Model Completed.

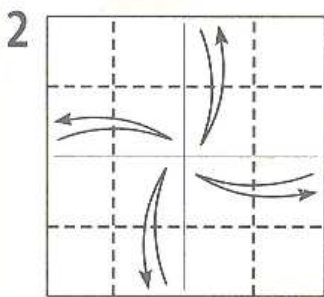
止まり木
Perch

みみずく本体と同じ大きさの紙で折る
Fold from a square sheet with
the same size as the owl.



1

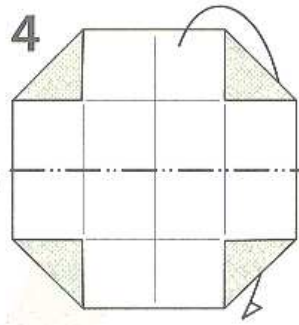
折り筋をつける
Fold and unfold.



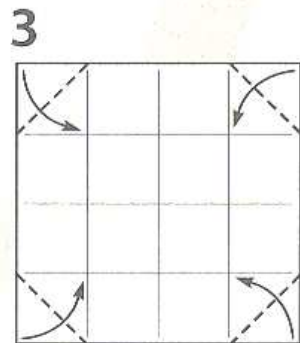
2

4等分の折り筋をつける
Fold in quarters.

後ろへ半分
折る
Mountain fold
in half.

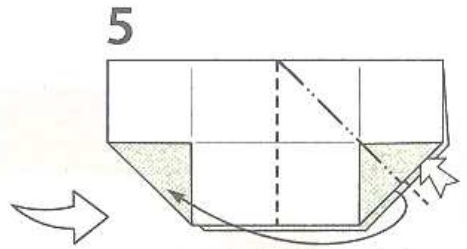


4



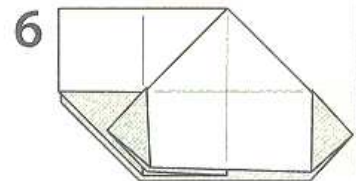
3

カドを折り筋に合わせて折る
Fold the corners to the
intersection.

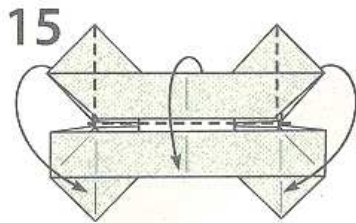


5

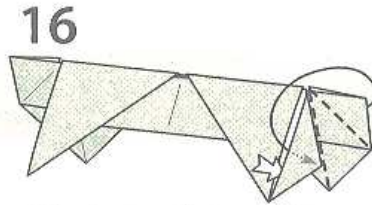
内側をひろげてつぶす
ように折る
Open and squash.



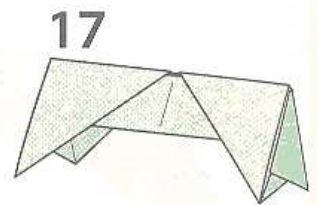
6



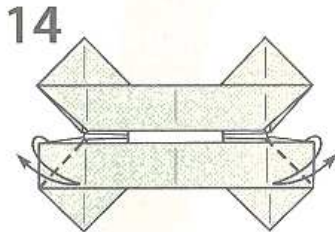
次の図のように立体にする
Fold as shown and make the model three-dimensional.



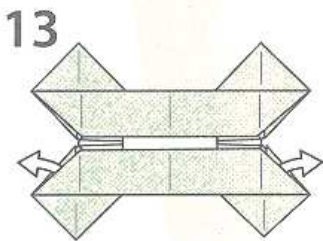
カドをすき間に差し込んで留める。
もう片方も同じ
Insert the flap into the pocket and lock the model.
Repeat this on the left.



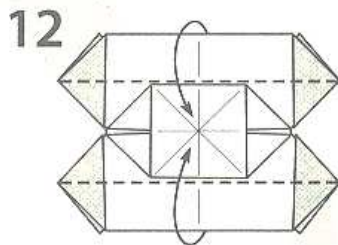
こちらが後ろ側になる
This will be the back side view.



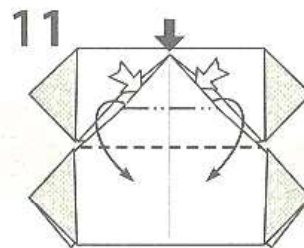
折り筋をつけなおす
Fold and unfold.



内側から紙を引き出す
Pull out the corners from inside.



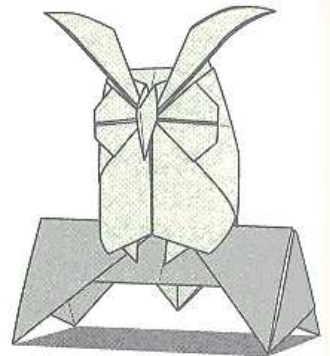
カドを結ぶ線で折る
Fold along the lines connecting the corners.



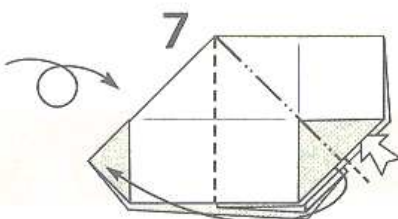
すき間をひろげてカドを押しつぶす
Open the layer and squash.



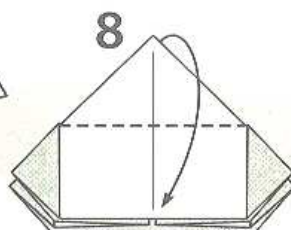
できあがり
Model Completed.



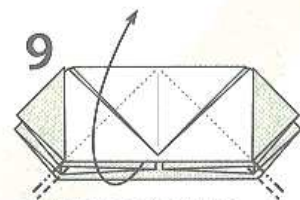
少し前傾姿勢にする
The owl should be looking down a little.



内側をひろげてつぶすように折る
Open and squash.



カドを下に折る
Fold the corner down.



1枚目でひらいて持ち上がった部分をつぶす
Fold up the top layer and flatten the swiveled layers.

おまけ

「仕込み折り」をすることによって、おなかの部分に継ぎ手とポケットを折り出す方法を紹介します。ただし、一部で紙が厚くなり、造形のシャープさが多少失われてしまいます。

ここではヒント図のみ示します。

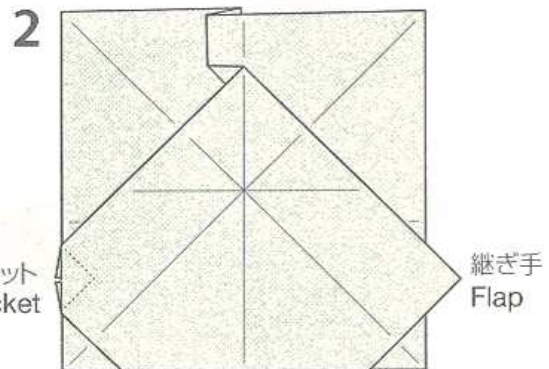
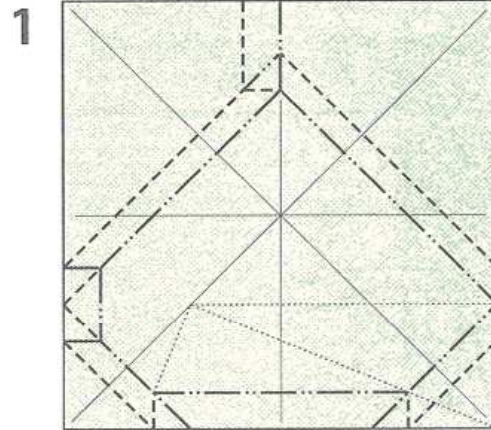
Appendix

With some pre-creases, you can make the locking flap and the pocket inside the stomach. However, this will make the layers thicker than the original, and may result in losing the neat shape of the original model unless you fold them carefully.

We here will show the crease pattern and the output base.

1辺の長さをノーマル版の約1.2倍で折るとほぼ同じ大きさに仕上がります。

Folding from a square sheet with each edge 1.2 times longer than the original model will make the model with the same size as the original one.



以下同じように折って仕上げます。
This is the base.
Fold the owl with this sheet.



組んだところを
内側で留め折りすると
さらに崩れにくくなります。

Folding the corner
of the inserted layer
to the center will lock
the model tighter.

見た目はシンプルですが、折りの難易度としては比較的高めと言えます。適切な仕上がりを得るには、全編にわたって正確な折りが要求されてきます。特に、紙の重なりによって厚みが出てくる中盤で注意が必要です。

さらに終盤(53〜)では、立体の状態で折り進めなくてはなりません。初出時と比べ、途中図を大幅に追加することで丁寧な図解を試みたつもりですが、果たして成功しているのでしょうか？ 一度のトライでうまく折れなかったとしても、数を折ることで、紙の張りをコントロールするコツがつかめてくるはずですから、どうかあきらめないでいただきたいです。

荒っぽさのあるデフォルメを施されたデザインは、本作品集の中では異色かもしれません。何個か並べて飾るときに、造形上のアクセントである耳羽にアレンジを加えて、それぞれの個性を表現するのもおもしろいでしょう。

Though looking simple, this model is relatively hard when one tries to fold it. To complete the model acceptably, preciseness is required all through. Especially, the middle part of the folding process is hard because the folder has to handle thick clusters of layers.

In the final part, after Step 53, folding is required while keeping the model 3-D. I tried to explain better by the addition of diagrams which show the steps in progress, and I hope it worked. Even if you could not finish up the model well after the first try, try again and again and feel and grab the way to control the tension of the paper, and I am sure you can succeed after several tries.

This model is with drastic deformation of its motif object, which is not usual in this book. Try decorating several of them with different shaping of their horns, representing different individual horned owls.