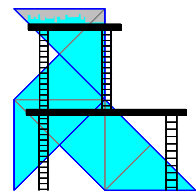


Scaffold

Helping to support and maintain the world of origami



Scaffold clones Butterfly

Several readers wrote to me and mentioned that the Simple Butterfly in the last issue was previously designed by Master Yoshizawa. This does not surprise me. When only two folds are used, it is a wonder that every folder hasn't independently created it.

While I was unaware of Master Yoshizawa's creation, I did know of another similar model. After the first step, if you orient the model to have the folded edge at the bottom, you have Joseph Wu's One-Fold Stegosaurus.

Join the Ranks

Scaffold is interested in your models. If you have designed a model, Scaffold would like to

CONTENTS

<i>Join the Ranks</i>	1
<i>Back Issues</i>	1
<i>New Books</i>	1
<i>Folding Plastic</i>	2
<i>Bugs and Birds</i>	2
<i>Hawaiian Style</i>	2
<i>Origami Sighting</i>	3
<i>The Models</i>	3
<i>Spiral Flower</i>	4
<i>Tadpole Va riation</i>	6
<i>Standing Crane</i>	8

provide a place to share it with the world. Join the ranks of folders such as David Petty, Miranda van de Beek, Meenakshi Mukhopadhyay, Jerry Marciniak, Joe Gilardi, and Michael Miller. Send in your models and they will be guaranteed to be read worldwide (still only six continents so far). This issue only has three models because no submissions were made.

Scaffold was created as a forum for folders to share their designs. It is meant as an additional way for new models to become better known. So even if a model is on a personal website or has been printed in a local club newsletter, Scaffold can still help expose your designs to the world folding community.

To have your model appear in Scaffold, all you need to do is send in your diagrams. All diagrams will be used. Scaffold supports most electronic formats but prefers that the file size be as small as possible. The DXF format available in CAD programs, is an excellent format.

To send in electronic diagrams, just e-mail them to scaffold1@aol.com. Paper diagrams can be sent to:

Joshua Koppel
PO Box 641374
Chicago, Illinois 60664-1374
USA

Please include a statement that you have given permission for the model to appear in Scaffold. All rights to the models and diagrams remain with the creator.

Back Issues

Back issues of Scaffold are available online. Go to <http://www.origami4you.com> and click the Scaffold link. While you are there you should check out the other links as this is an excellent site.

I was contacted by a Australian folding group. They are also interested in posting back issues. There will be more information about them and their work in an upcoming issue.

New Books

Two excellent new books this month. The first is just released while the other has been available for a little while but hard to find. **BUGS AND BIRDS IN ORIGAMI** by John Montroll (ISBN 0-486-41773-5) (English)

THE GUIDE TO HAWAIIAN STYLE ORIGAMI by Jodi Fukumoto (ISBN 0-89610-421-4) (English)

Folding Plastic

Folding paper has held a fascination for me for more than thirty years. About a dozen years ago I began folding things other than paper (and foil). The one I especially like is plastic.

Not all plastic is created equal when it comes to folding. My preference is a plastic film used for microfiche. I am fond of this material because of its durability. You can fold a crease back and forth without the film breaking. I have a flapping bird that I folded a dozen years ago and it is as fresh as the day I folded it.

I also like microfiche film because it is transparent. I like being able to see every fold in a model. Of course, this works best with folds that don't have a lot of hidden material. The flapping bird is a beautiful model for a transparent medium.

While I prefer microfiche film, partly because I had a steady supply for a few years, there are many other possibilities. If you are near a hospital, you might be able to get some x-ray film (many x-ray pictures do not come out and the film is discarded), which is very durable and comes in good-sized sheets. Plastic report covers are also quite useable and come in many colors both transparent and opaque (although some

manufacturers use a more brittle sheet). Transparency film for overhead projectors is another solution. While these are not colored, they do tend to be thinner than report covers. Report covers and transparency film can be found at any decent office product supplier. Many grades of cellophane, another plastic available in many colors, is also foldable, but it does have a tendency for a small nick to quickly blossom into a huge tear.

So take a look around you and see if you can find some foldable plastic. You just might enjoy it.

Bugs and Birds

John Montroll's latest release is a book called BUGS AND BIRDS IN ORIGAMI. This is a collection of twenty-eight (28) new models. Although bugs get first billing in the title, there are only eight insects. The other twenty models are birds.

The book's style is the same as in Montroll's previous books. The same clear diagrams, model directory, and short facts about the animals. Unlike some of his other recent books, the models in this book do not make use of both sides of the paper. But even with monochromatic results, the designs are delightful. My current favorite is the Robin. This cheerful little bird can be folded with or without the wings extended.

None of the models are rated by John Montroll as being

simple. All twenty birds are intermediate, making this one of Montroll's more accessible books. Two of the insects are complex with the other six being very complex.

BUGS AND BIRDS IN ORIGAMI is a must-have for any fan of Mr. Montroll's work.. B&B is published by Dover Publications and is currently available wherever good origami books can be found. The book currently lists for \$10.95 (US) (ISBN 0-486-41773-5).

Hawaiian Style

I had heard rumors about Hawaiian-style origami and wondered just what it was. When I finally found a copy of THE GUIDE TO HAWAIIAN STYLE ORIGAMI by Jodi Fukumoto, I found out. Hawaiian-style, at least in this book, does not refer to a new or different way of folding, but the to Hawaiian theme of the models.

This book is well designed with heavy, glossy pages, a hard cover with an inner spiral binding for easy use, and beautiful color plates of each model. Fourteen (14) models make up this charming volume. They are arranged from easiest to hardest from a creative Hawaiian shirt to a Torch Ginger which is not so much hard as it is involved.

As can be expected, the majority of the models are floral. There are also some wonderful animals including a cute gecko and a jumping marlin. There is even a

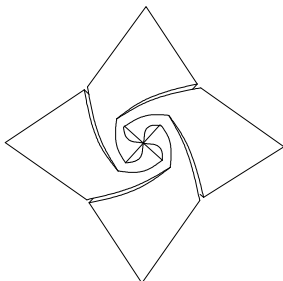
volcano complete with an eruption. A hula dancer and a catamaran sailboat round out the collection. While I love the gecko, the real jewel of this book is the hibiscus which appears on the cover.

The diagrams are clear and uncrowded with color-coded tabs at the top. There is also plenty of information about origami, supplies, paper types, alternate folding techniques like layering and wetfolding, and even a section that describes all of the papers and techniques used for the models in the color plates.

THE GUIDE TO HAWAIIAN STYLE ORIGAMI is a beautiful book at a very reasonable price, only \$9.99 (US) (ISBN 0-89610-421-4). The book is put out by Island Heritage Publishing and is almost impossible to find outside of Hawaii except through mail order.

Origami Sighting

While looking around one of my favorite bookstores, a friend showed me a cute children's book called **THE COMPLETE STORIES OF THE UPSTAIRS DOWNSTAIRS BEARS** by



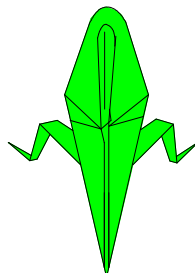
Carol Lawson. I looked briefly and decided I needed to add it to my library.

Once I got the book home, I discovered that it contained origami. It wasn't too surprising to see pictures of kids playing with paper boats and hats (the same fold), but one illustration was unexpected. Instead of just showing the usual scene of children playing with the paper toys, it actually shows the boats being folded. Later in the story, two young twins are lost so they fold a boat with a message and send it down a river. The boat is found, the children rescued, and origami helped to save the day.

THE UPSTAIRS DOWNSTAIRS BEARS ON HOLIDAY was first published in Great Britain in 1997 by Heineman Young Books.

The Models

This month's models are a bit more complex than in previous issues. The first is a very recent creation while the others go back a number of years. The Tadpole Variation and the Standing Crane were previously included in *Manifold*, the newsletter of the



Chicago Area Origami Society. **Spiral Flower**

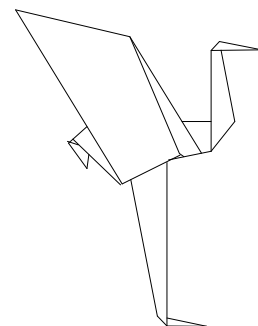
I was trying to see if I could fold a masu measuring box in the center of a larger one in hopes of identifying some techniques to create an origami version of a local building. Somehow, this architectural pursuit turned botanical and this flower was the result.

Tadpole Variation

About twenty years ago, I folded an inflatable frog from a rectangle I trimmed into a square. I made a smaller frog from the trimming. A coworker called it a baby frog. I looked and said it might be a tree frog as a baby frog would be a tadpole. Less than ten minutes later I figured out how to fuse two legs of this traditional model into a tail and a tadpole was born.

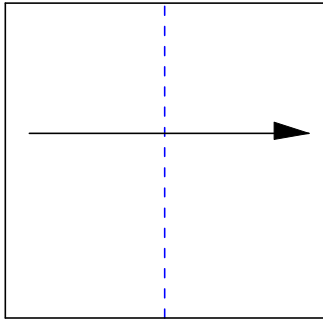
Standing Crane

One day I was working my way through Samuel Randlett's **THE ART OF ORIGAMI**. I became fascinated with his Parrot made from a waterbomb base. About an hour later I had created a whole flock of birds (and a camel) from a waterbomb. The Standing Crane is one of my favorites.

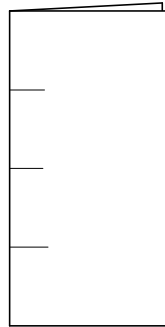


Spiral Flower by Joshua Koppel

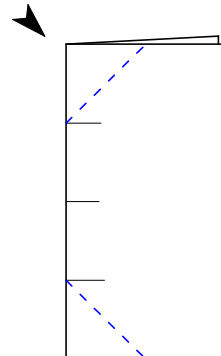
Use a small square of paper. Radial patterns work best but a single color is fine. Begin with the colored side down.



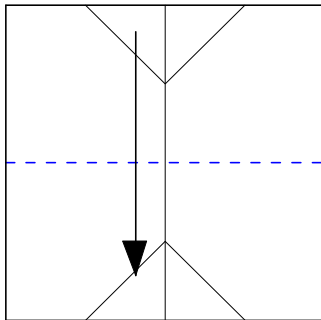
1. Fold in half.



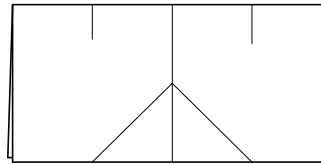
2. mark quarters.



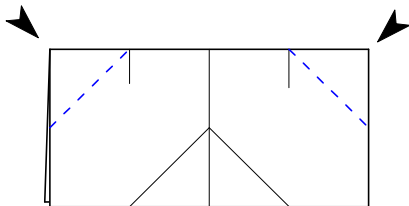
3. Sink the corners.
Unfold.



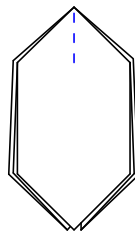
4. Fold in half.



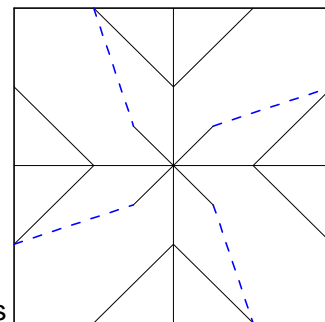
5. mark quarters.



6. Sink corners. Collapse into a loose preliminary fold but do not crease the diagonals.

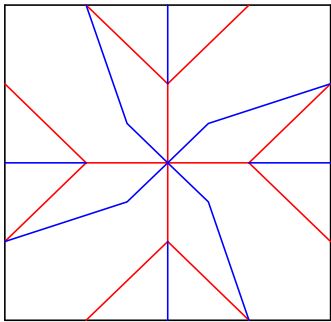


7. Crease the diagonals as shown then unfold.

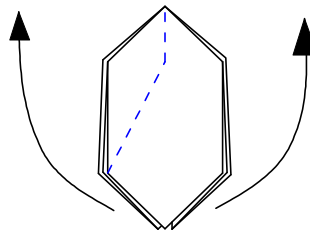


8. Add these creases.

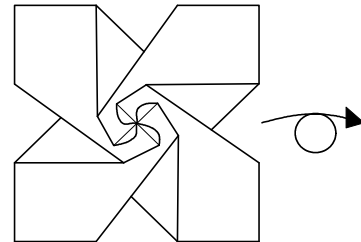
Spiral Flower by Joshua Koppel



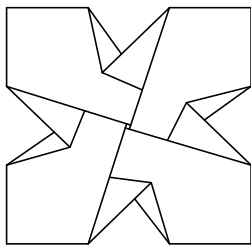
9. Creases should look like this. Collapse to preliminary fold.



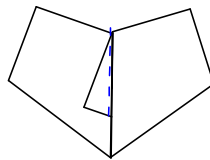
10. Keeping the top point together, open the bottom out and up forming a bowl shape with a peak in the center.



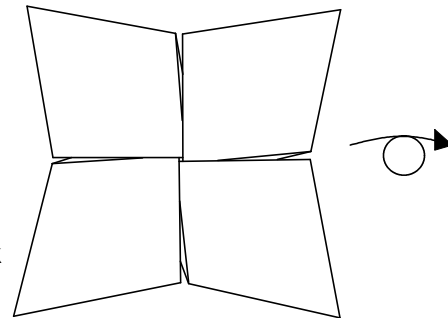
11. Turn over.



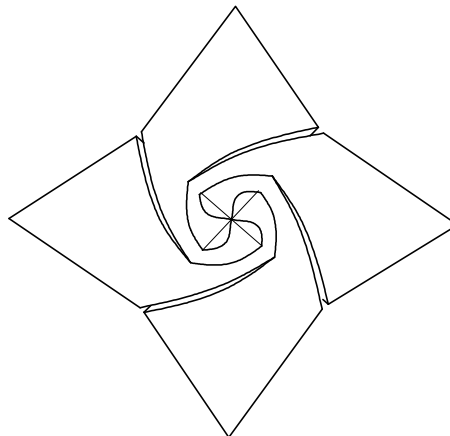
12. Tighten the shape to eliminate the gaps.



13. Detail of one joint. Fold flap over and tuck under petal.



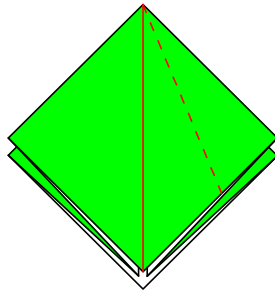
14. Turn over.



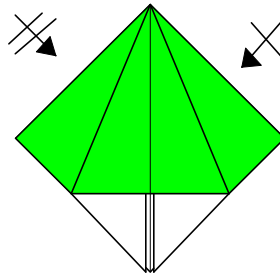
15. The completed Spiral Flower.

Tadpole Variation by Joshua Koppel

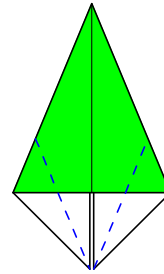
Begin with a small square. Only one side of the paper will show in the finished model.



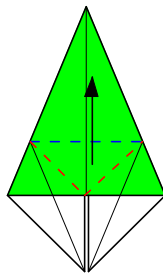
1. Begin with a preliminary fold. Squash fold.



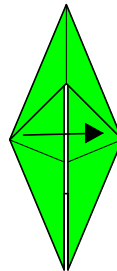
2. Squash the other three flaps.



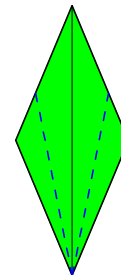
3. Fold and unfold. Repeat on other sides.



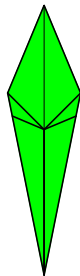
4. Petal fold all four sides.



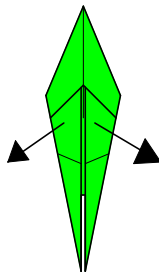
5. Fold one flap over.



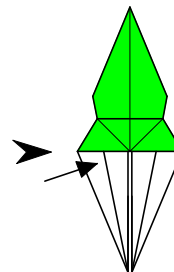
6. Fold edges in.



7. Fold one flap over.

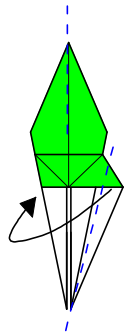


8. Spread open.

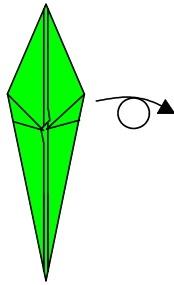


9. Sink one flap into pocket.

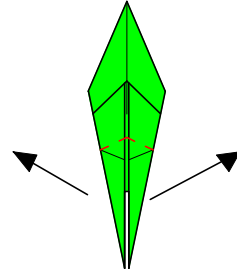
Tadpole Variation by Joshua Koppel



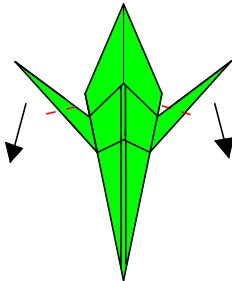
10. Fold top falps together.
Tuck flap into pocket..



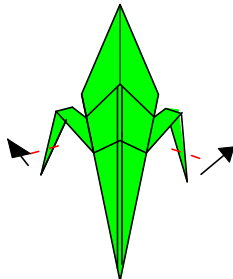
11. Turn over.



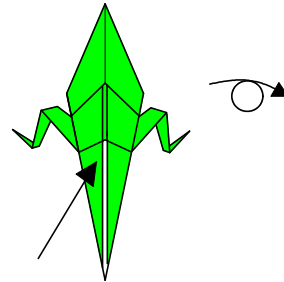
12. inside reverse fold out.



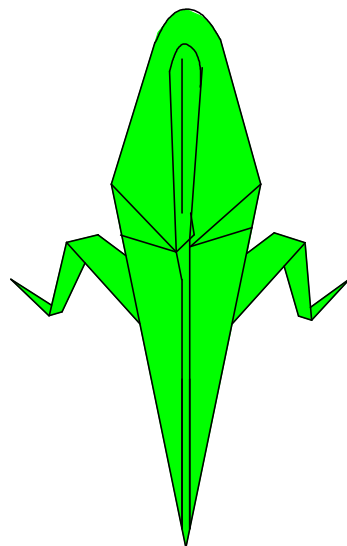
13. Inside reverse down.



14. Inside reverse out.

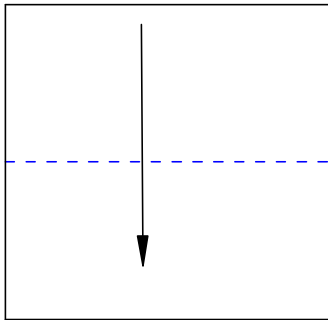


15. Inflate and turn over.

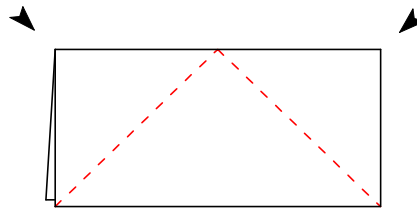


16. The completed Tadpole.

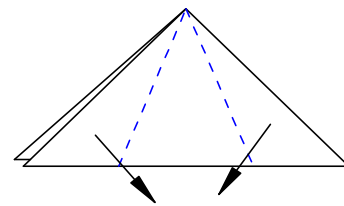
Standing Crane by Joshua Koppel



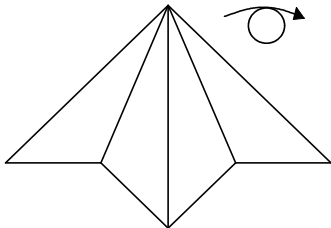
1. Fold in half.



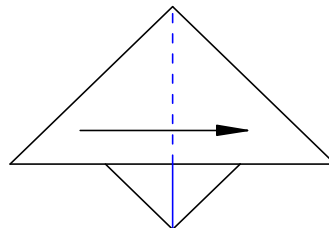
2. Sink the corners.



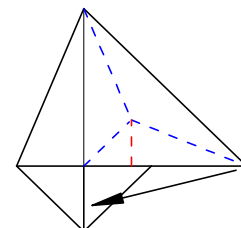
3. Fold to the center.



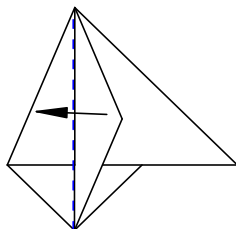
4. Turn over.



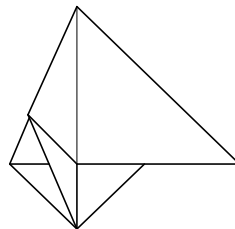
5. Fold one flap over.



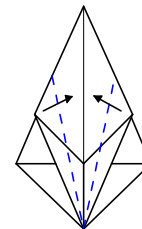
6. Rabbit ear down.



7. Fold one flap over.

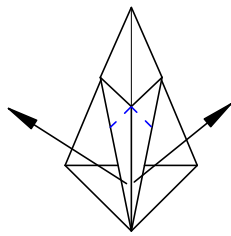


8. Repeat steps 5 - 7 on other flap.

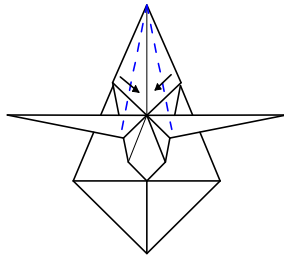


9. Fold edges to center.

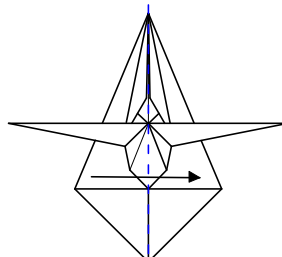
Standing Crane by Joshua Koppel



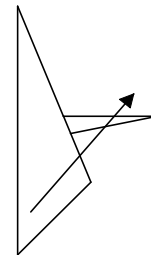
10. Outside reverse.



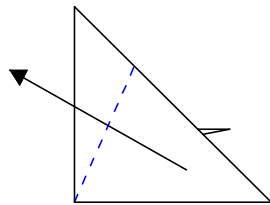
11. Fold edges in.



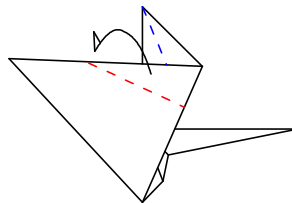
12. Fold in half.



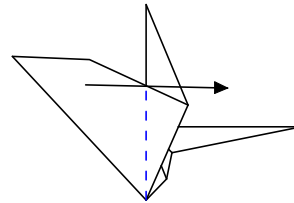
13. Open flap.
Repeat behind.



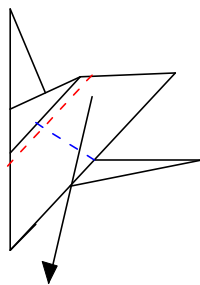
14. Fold flap over.



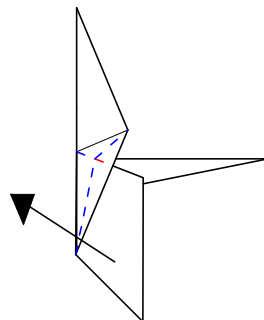
15. Narrow top point.
Repeat behind.



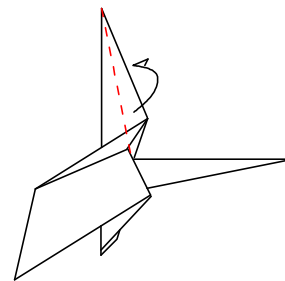
16. Fold flap over.
Repeat behind.



17. Pull flap down.
Repeat behind.

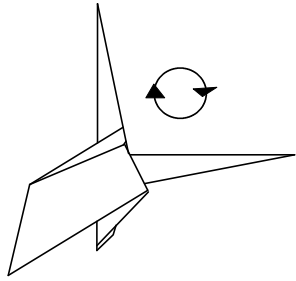


18. Bring flap up and make
small rabbit ear.
Repeat behind.

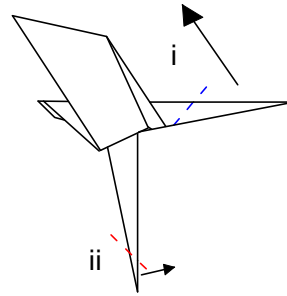


19. Thin point with mountain fold.
Repeat behind.

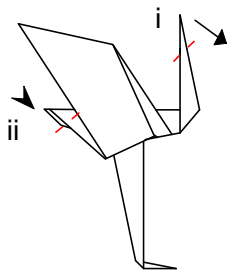
Standing Crane by Joshua Koppel



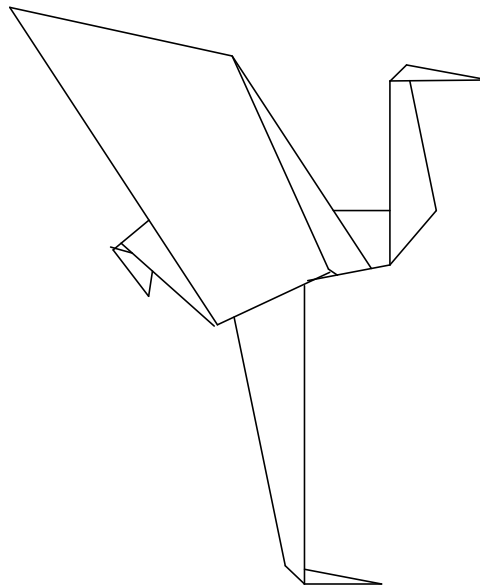
20. Rotate model.



21. (i) Outside reverse neck up.
(ii) Inside reverse feet.



22. (i) Outside reverse head.
(ii) Sink tail.



23. The completed Standing Crane.