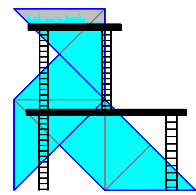


Scaffold

Helping to support and maintain the world of origami



A new chance to get FIT!

Many folders have already gotten FIT. Now, a new book is available to help others get FIT. No, I am not talking about a new exercise program, I am speaking about the geometric structure known as Five Intersecting Tetrahedrons and is based on the 60 Degree Unit by Francis Ow. The FIT is featured prominently on the cover of *ORIGAMI The Complete Guide To The Art Of Paperfolding* by Rick Beech. For more details, see the review in this issue.

Submissions

Scaffold wants you! Scaffold wants your designs. Scaffold thrives on original designs from around the world. All submissions will be included in a future issue. It is my goal to provide a place for original designs to be shared with as much of the origami world as possible. Therefore I will include any model

submitted. It is not for me to judge what others might be interested in.

Submissions may be made electronically or by mail, but electronic submissions are easiest. To submit diagrams electronically, just send them through e-mail to scaffold1@aol.com and they will be included in the earliest possible issue. To send a submission by regular mail, send to:

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

All submissions should include a statement giving permission for the model to be used in SCAFFOLD. It would also be nice if the statement included a note about what led to the model's creation.

New Books

This month I have added four books to my collection. Two were previously available but there are two new releases from Rick Beech and Kunihiko Kasahara. Both of these are reviewed in this issue.

ORIGAMI TANTEIDAN 6TH CONVENTION (Japanese with some English and Italian)
ORIGAMI by Rick Beech (English) (ISBN 0-7548-0782-7)
AMAZING ORIGAMI by Kunihiko Kasahara (English) (ISBN 0-8069-

5821-9)

EXQUISITE INTERCEPTORS by Thay Yang (English) (ISBN 1-879384-27-2)

Subscriptions

There are few things in life that are as easy as subscribing to Scaffold. All you need to do is send e-mail to skiffy1@aol.com stating that you would like to receive it. Your subscription will begin with the very next issue. You will then continue to receive Scaffold until you send a message saying that you would like to stop your subscription.

ORIGAMI Review

ORIGAMI by Rick Beech is a big and beautiful book. Its large format, heavy pages and beautiful photos let this book find a comfortable home on a coffee table. The book's subtitle is *The Complete Guide To The Art Of Paperfolding* and, while I seldom believe the word, "Complete," this volume certainly touches on a lot.

The book opens with a good introduction and a good history of origami. There is then a short gallery of origami masterpieces. After teaching the reader about history and showing what wonderful things can be created, the author moves on to talk about paper, techniques and

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other equipment than can help the folder. It is only then that the reader is introduced to the more than eighty models.

As with any good origami book, the diagrams begin with base folds. The models are then grouped into Traditional Classics, Animals People & Flowers, Toys Games & Action Models, Practical paper Folds, Party Tricks, Decorative Origami, and finally Modular Origami.

The diagrams are done with photos and are quite clear. The author often provides intermediate steps to show a fold in progress. The paper used in the photos is usually of high contrast so that the reader is never confused as to what side of the paper is showing.

ORIGAMI is published by Lorenz Books (ISBN 0-7548-0782-7) and is priced at \$27.50 US. The price may make the book a little steep for some, but wide variety of models and clear instructions make this a good book for people looking for more than the simple grade-school fold like the Cootie-Catcher. Instead, this book gives easy directions while showing how complex and beautiful this art can really be.

Chaos in Chicago

The Chicago Area Origami Society meets on the second Saturday of every month at the Garfield Park Conservatory located at 100 N. Central Park Ave. Meetings are open at all, free, and run from 1:00 PM until 4:00 PM. If you happen to be in the area at the right time, drop on in. The schedule for the next few meetings is as follows:

June 9, 2001

July 14, 2001

August 11, 2001

The May meeting went quite well. A number of people joined us from a trellis making workshop held just before our meeting. Plenty of regular members helped round out the first-timers. Many people were interested in the Five Intersecting Tetrahedrons but we decided it was a little too involved for the meeting. There was definitely a lot of interest in the various modulars I brought along.

I did manage to teach John Montroll's Star from ANIMAL ORIGAMI FOR THE ENTHUSIAST. Member Debbie Lekousis taught a simple fish and a swan. Jerry Marciniak taught a tulip and leaf to a tableful of folders.

AMAZING ORIGAMI

AMAZING ORIGAMI by Kunihiro Kasahara is a book that was destined for my library. But this book is different from the rest of my collection. This is not a collection of animals or simple geometrics. Instead this book concentrates on the geometric theory behind some origami.

There are a number of interesting models such as Paolo Bascetta's Roulette, Jun Maekawa's Shooting Star, and a collection of Octahedrons but the true lure of this book lies in the descriptions of how to subdivide paper into any number of equal divisions, how to fold a regular 17-sided polygon, and many other geometric theories.

This is not a book for everyone. If you just want a book full of models to fold, you will find this book rather lacking. But if you are fascinated with how origami works and love to create your own designs then you will probably want to check out this book.

AMAZING ORIGAMI is

published by Sterling Publishing and sells for \$17.95 US.

The Models

This month we have a collection of models I designed during the past year.

Sailboat With Bowsprit

This Sailboat with Bowsprit was the first model I diagramed with my current CAD program. It was diagraming the bowsprit that I learned my CAD program could fold on its own.

Cabin Cruiser

Within minutes of creating the Sailboat With Bowsprit, I was at work creating this little cabin cruiser. I played with the design a lot but this is my favorite of the designs.

Simple Butterfly

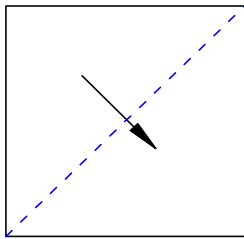
One day at the office I started to fold a small sheet of office paper. The grain of the paper naturally caused the fold to twist to the side. The butterfly was born.

Butterfly

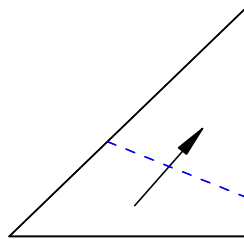
Just a few weeks ago I decided to try and fold a new butterfly. A few minutes later I had this one. Like many models, it took longer to diagram than to create.

Sailboat with Bowsprit by Joshua Koppel (c) 2000

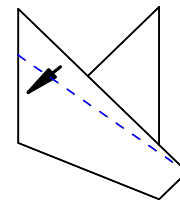
A 3" square produces a 2 1/2" sailboat.



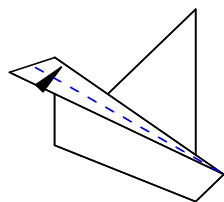
1 Begin with a small square.
Fold in half diagonally.



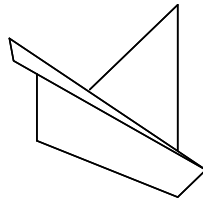
2 Fold up.



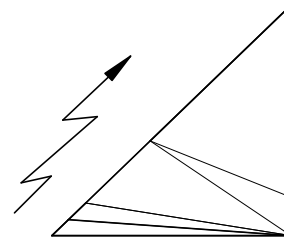
3 Fold edge down.



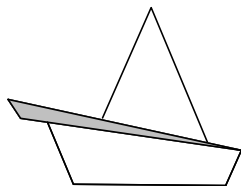
4 Fold edge back up.



5 Unfold to step 2.



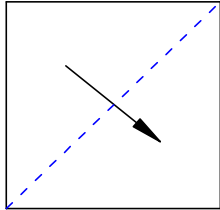
6 Refold along creases
with reverse folds.



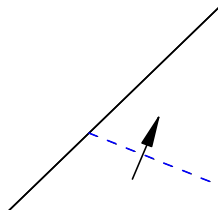
7 The completed sailboat.

Cabin Cruiser by Joshua Koppel (c) 2000

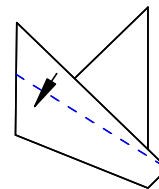
A 3" square produces a 3" Cabin Cruiser.



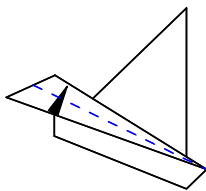
1 Fold in half diagonally.



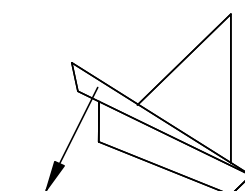
2 Fold bottom edge up.



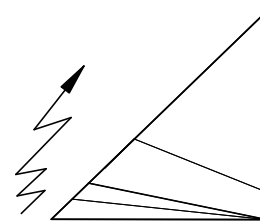
3 Fold edge part way down.



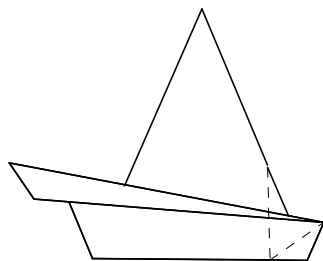
4 Fold edge up to fold.



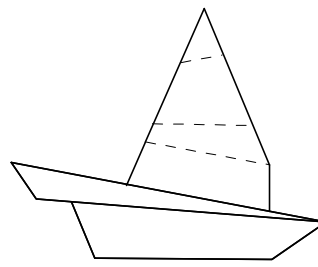
5 Open to Step 2.



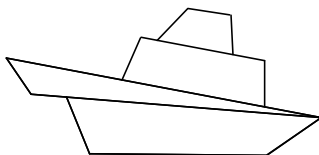
6 Reverse-fold along creases.



7 Mountain-fold edge of sail inward.



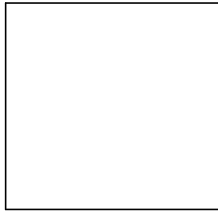
8. Crimp to form cabin.



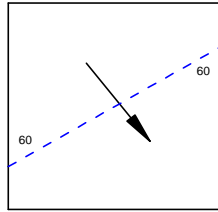
9 The completed Cabin Cruiser.

Simple Butterfly by Joshua Koppel (c) 2000

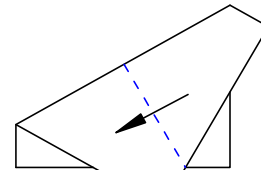
A 3" square produces a 3 3/4" butterfly.



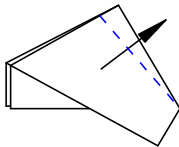
- 1 Begin with a small square colored on both sides.



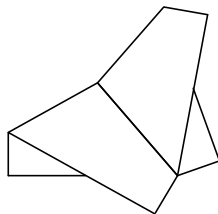
- 2 Fold in half at Approx 60 degrees.



- 3 Fold in half.

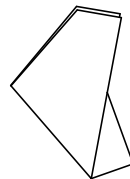
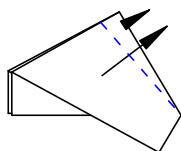


- 4 Fold top wing out at a slight angle.

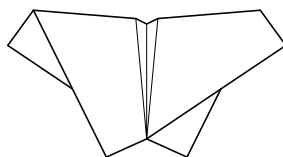


- 5 The completed butterfly.

- 6 For a slightly diferent look, do step 4 on both sides.

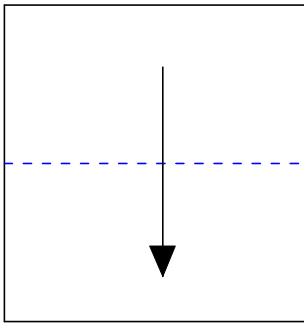


- 7 Spread the wings and ...

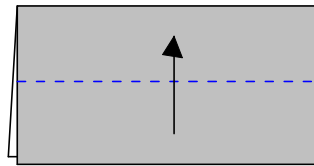


Butterfly by Joshua Koppel (4/27/01)

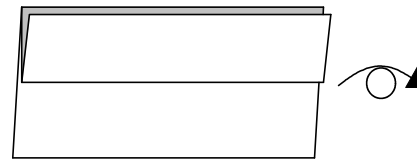
Begin with a square with the colored side down. A 3 inch square makes a 2.5 inch model.



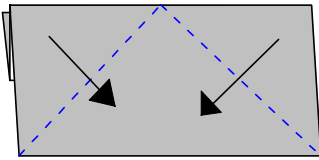
1. Fold in half.



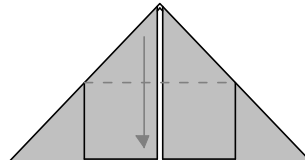
2. Fold bottom edge up.



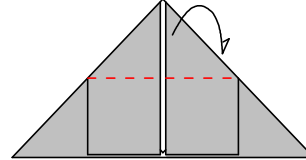
3. Turn over.



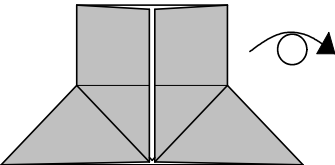
4. Fold corners down.



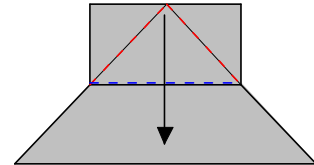
5. Fold internal point down.



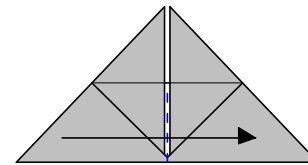
6. Fold point back.



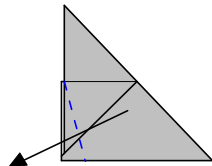
7. Turn over.



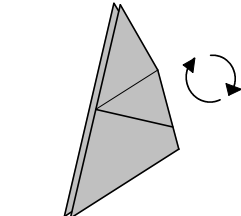
8. Fold top center down.



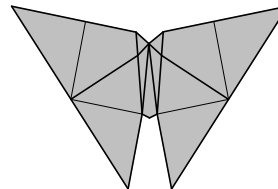
9. Fold in half.



10. Fold wing over.
Repeat behind.



11. Spread wings then
turn model upright.



12. The finished butterfly.