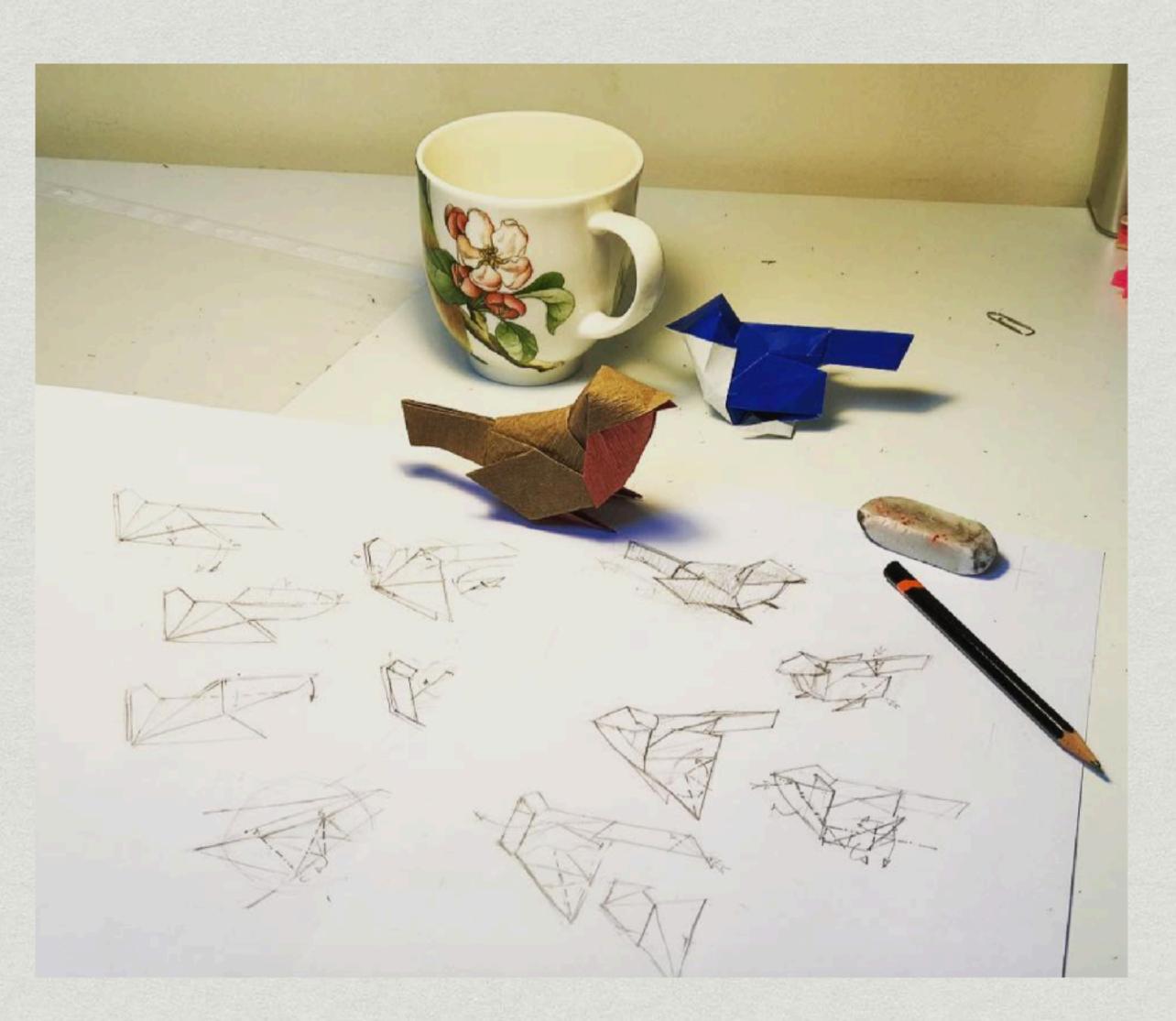


## What do I diagram by hand?

- •For the same reasons I took up origami: few tools or equipment needed
- Origami need only paper
- •Free hand diagrams needs only pencil and rubber
- ·I'm a dinosaur...
- Direct
- Expresses handwriting of creator
- Personality
- •Shows clear movements of paper in folding
- Completes the artwork/creation process



## Teaching the pig to sing

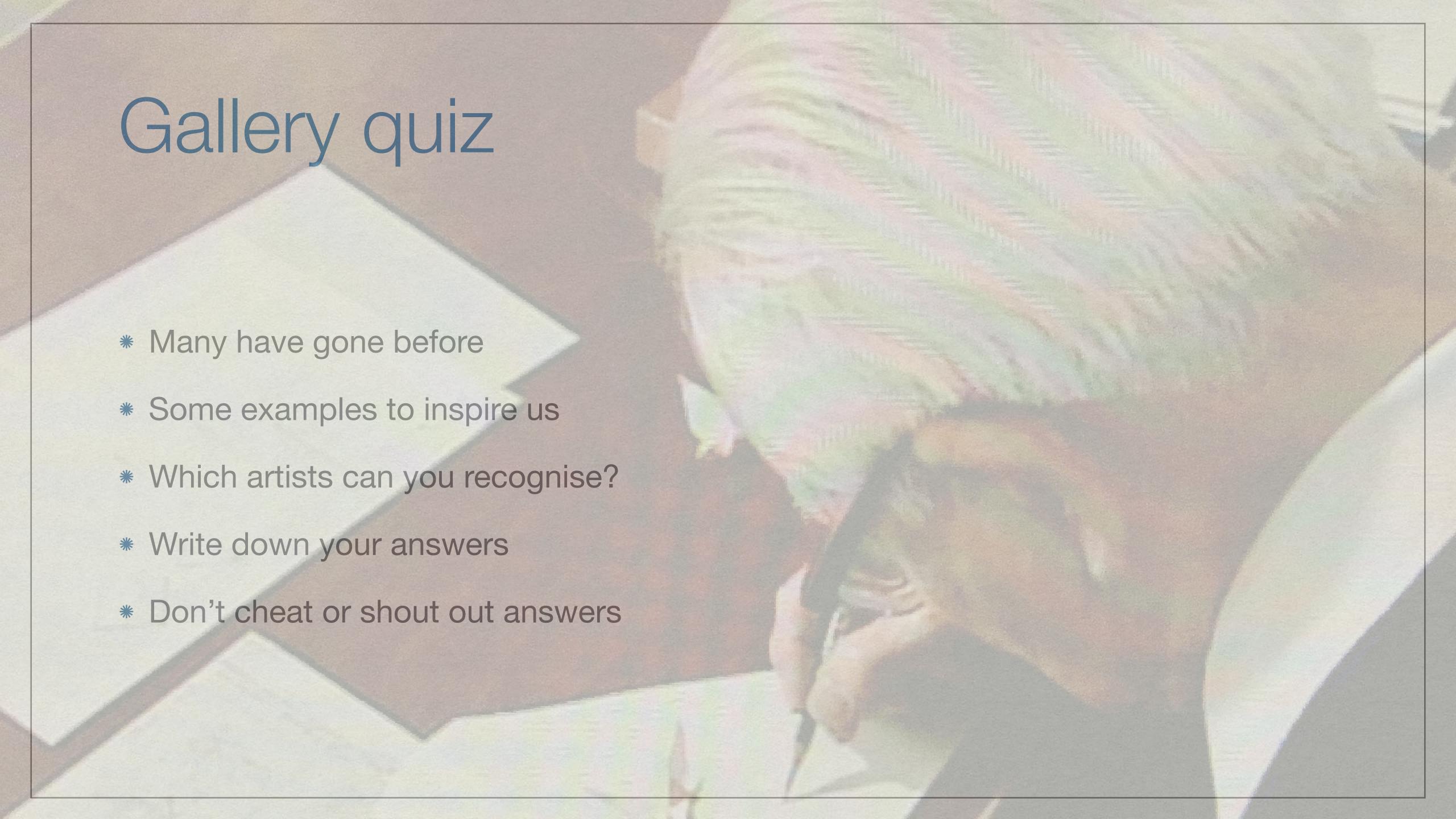


Inadviseable: the pig doesn't like it, and neither does anyone else

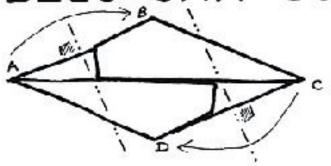
## Challenges

- Artistic skills?
- •Time
- Less suitable for printing
- •Photoshop?
- Tendency to enlarge successive steps
- Keep in practice
- •Attend life class?

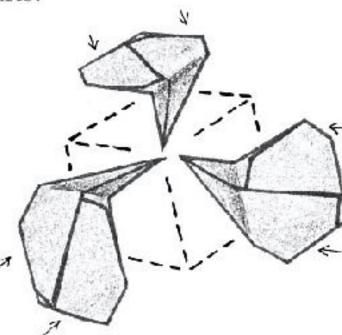




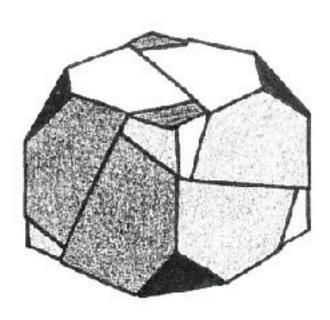
#### DECO UNIT CUBES

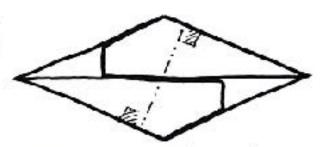


1. Choose a colour scheme for six units, making each one (from a small square) as shown in Deco Unit Block (qv). Fold tip A to meet B and fold tip C to meet D in order to make two 90° creases. Repeat with all six units.



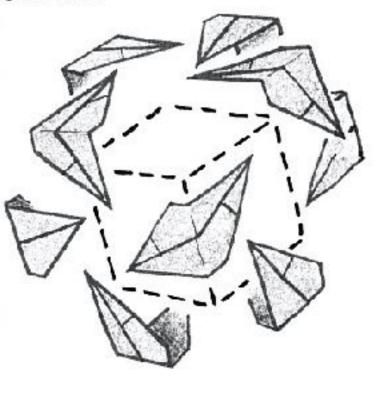
2. Form the cube as indicated here, interlocking the units using the method outlined in Deco Unit Block.

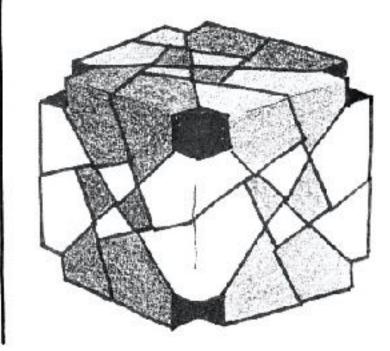




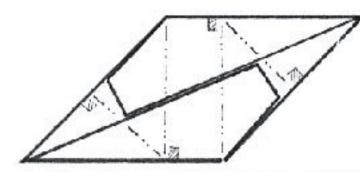
1. This time choose a colour scheme for twelve units, again folding them as shown in **Deco Unit Block**. Locate the centre point and make a 90° mountain crease where shown. Again repeat with all units.

2. Form the second Cube as shown here again using the same interlock method for the units as indicated in **Deco** Unit Block.

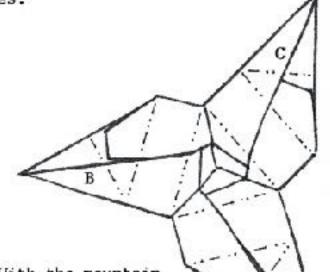




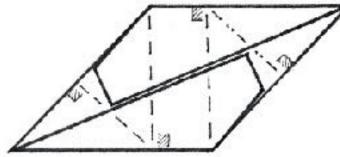
#### DECO UNIT VARIANTS



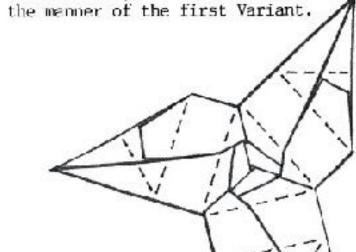
1. Make three modules in the manner of those used in Deco Unit Block (qv) and add four, light mountain precreases as shown. All are at 90° to outer edges.



2. With the mountain precreases uppermost, interlock all three modules in the manner of the first Deco Unit Cube (qv). The interlocking is facilitated by further precreasing. Then similarly interlock section A with section B, then B with C, and lastly C with A.

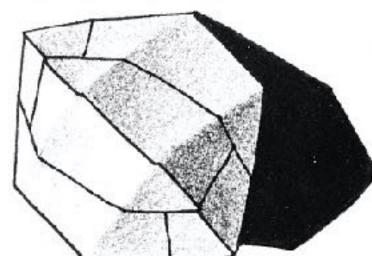


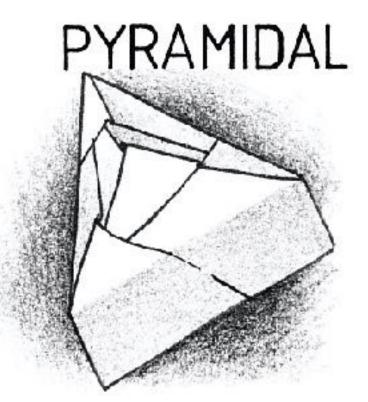
1. This time, lightly precrease three Deco Unit Block modules as shown here. Lsing the right-hand end (That with the mountain precrease) of all three, interlock them in



2. Again using the other ends of the units, interlock them as per orientation of precreases shown. Once again, further precreasing can facilitate the interlocking.

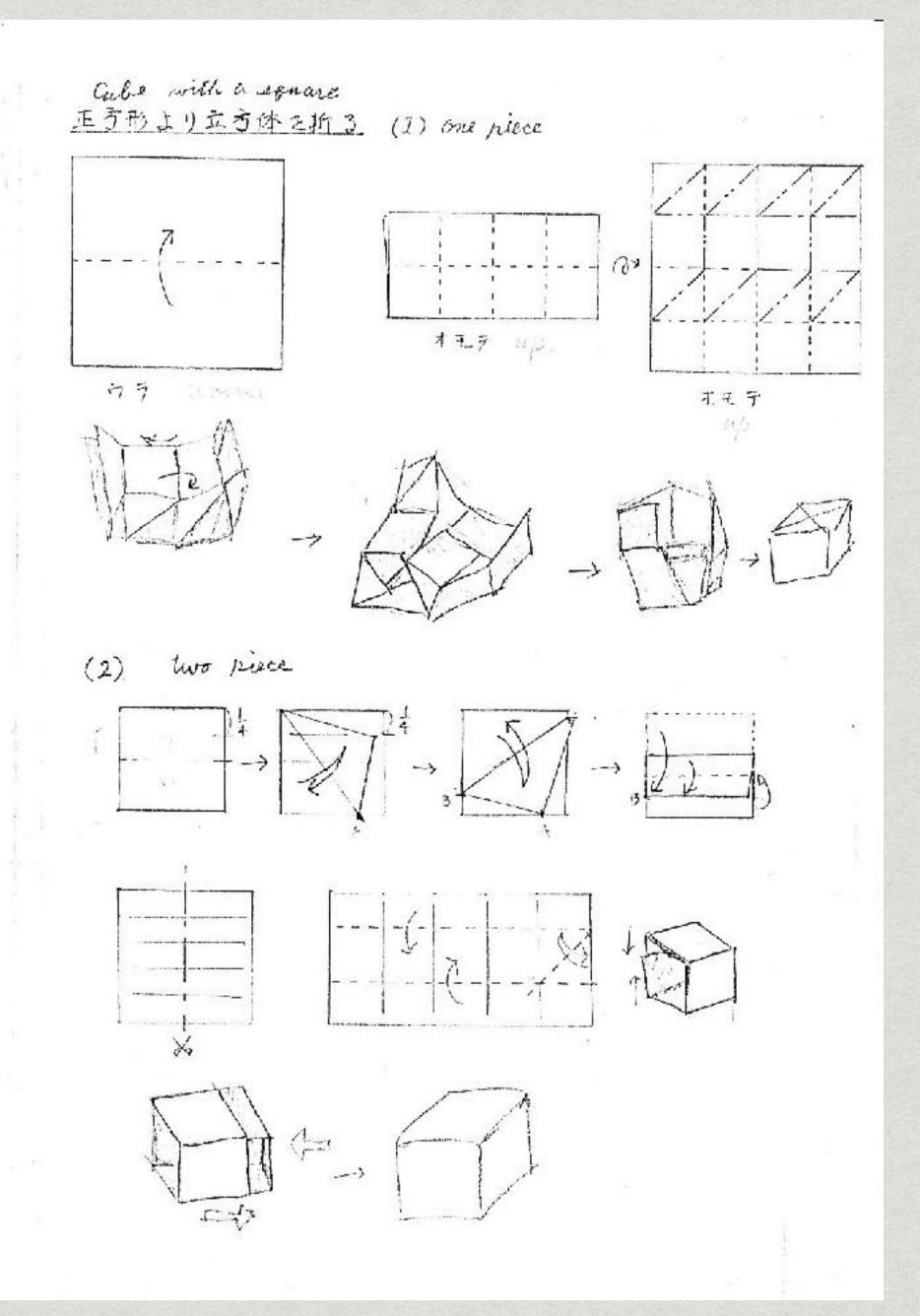
#### CRYSTAL





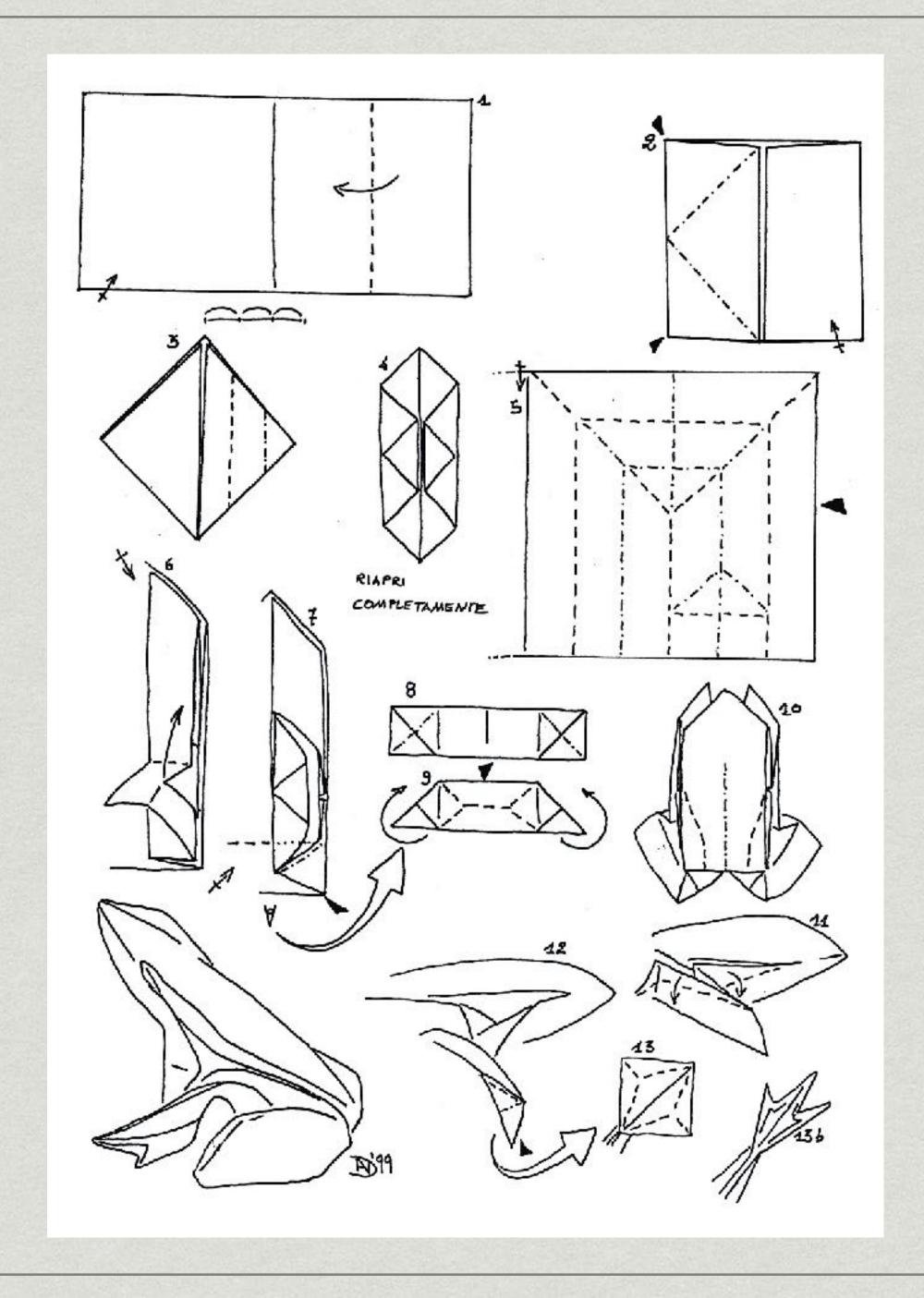
JEFF BEYNON
UK



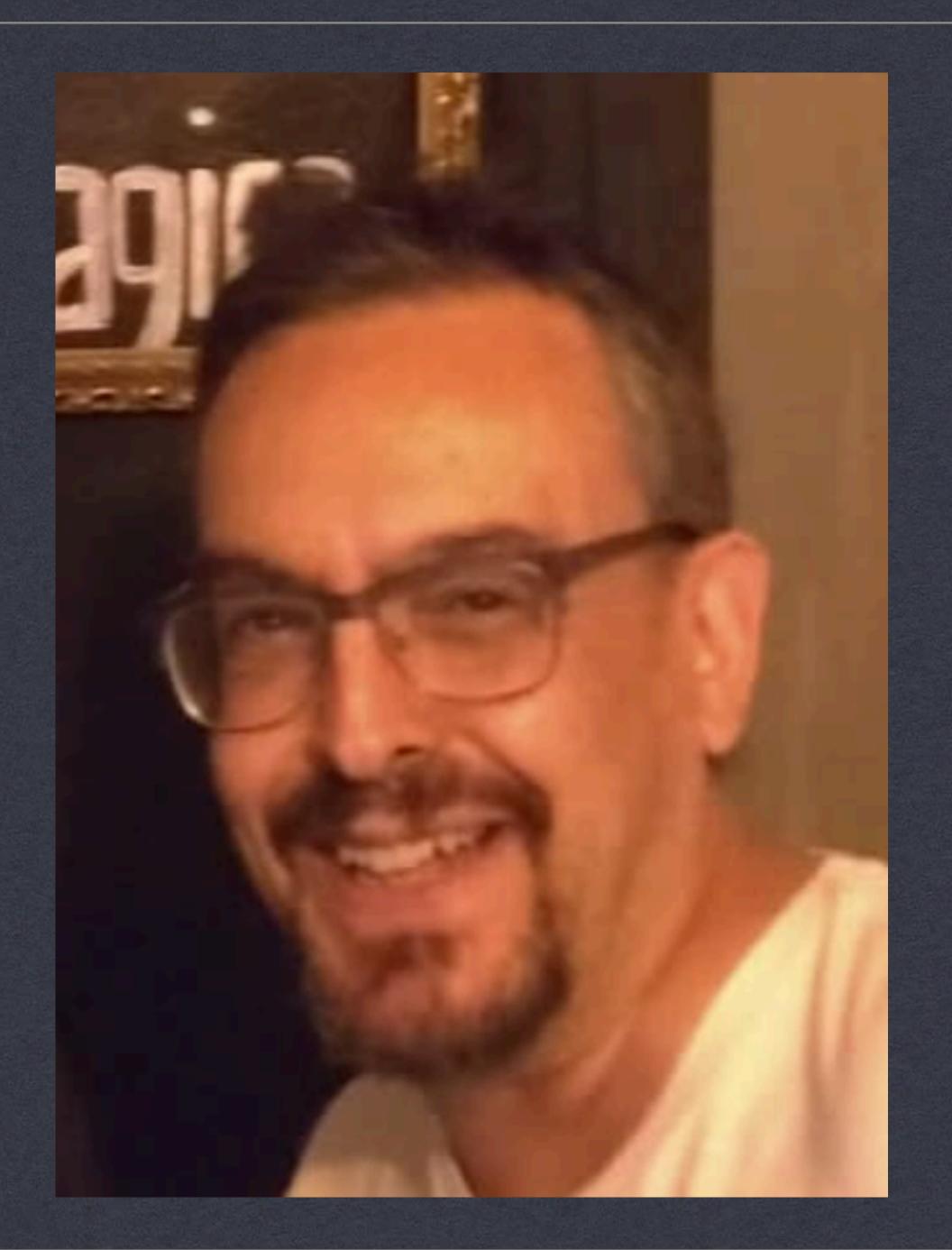


# SHUZO FUJIMOTO JAPAN





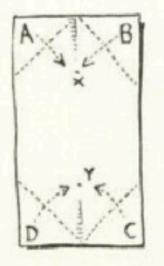
DAVID DERUDAS
SARDINIA

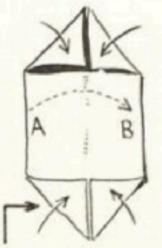


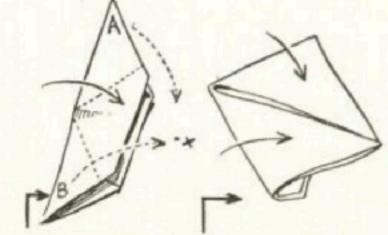
#### THE BANGER

#### ANOTHER BOAT

For the Banger you need a rectangle of thin paper, foolscap size, about twelve and three quarter inches by eight.

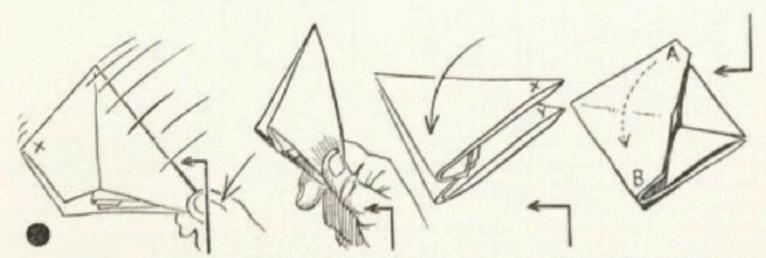




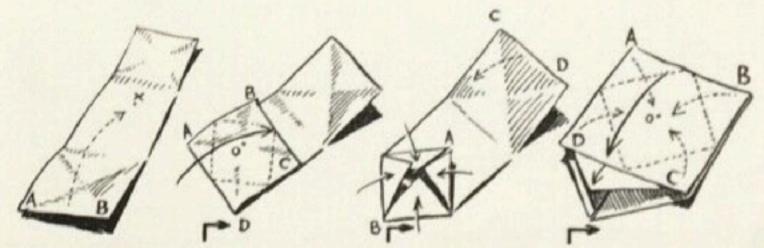


lengthwise across the middle, fold corners A
B C and D at dotted
lines to points X and Y.

1. Crease your paper | 2. Fold A over to B. | 3. Fold A to B, crease | 4. Now turn over. and unfold. Fold A and B at dotted lines to X.



8. Push back flap to 7. Flick hand down- 6. Grasp corners X 5. Fold A to B and wards sharply, and and Y. press down. reset The Banger. there will be a loud bang.



ANOTHER BOAT | 2. Fold corners A B | 3. Fold point A to B | 4. Fold corners A B C l. Fold at both ends to form the creases shown. Fold AB to X. dotted lines.

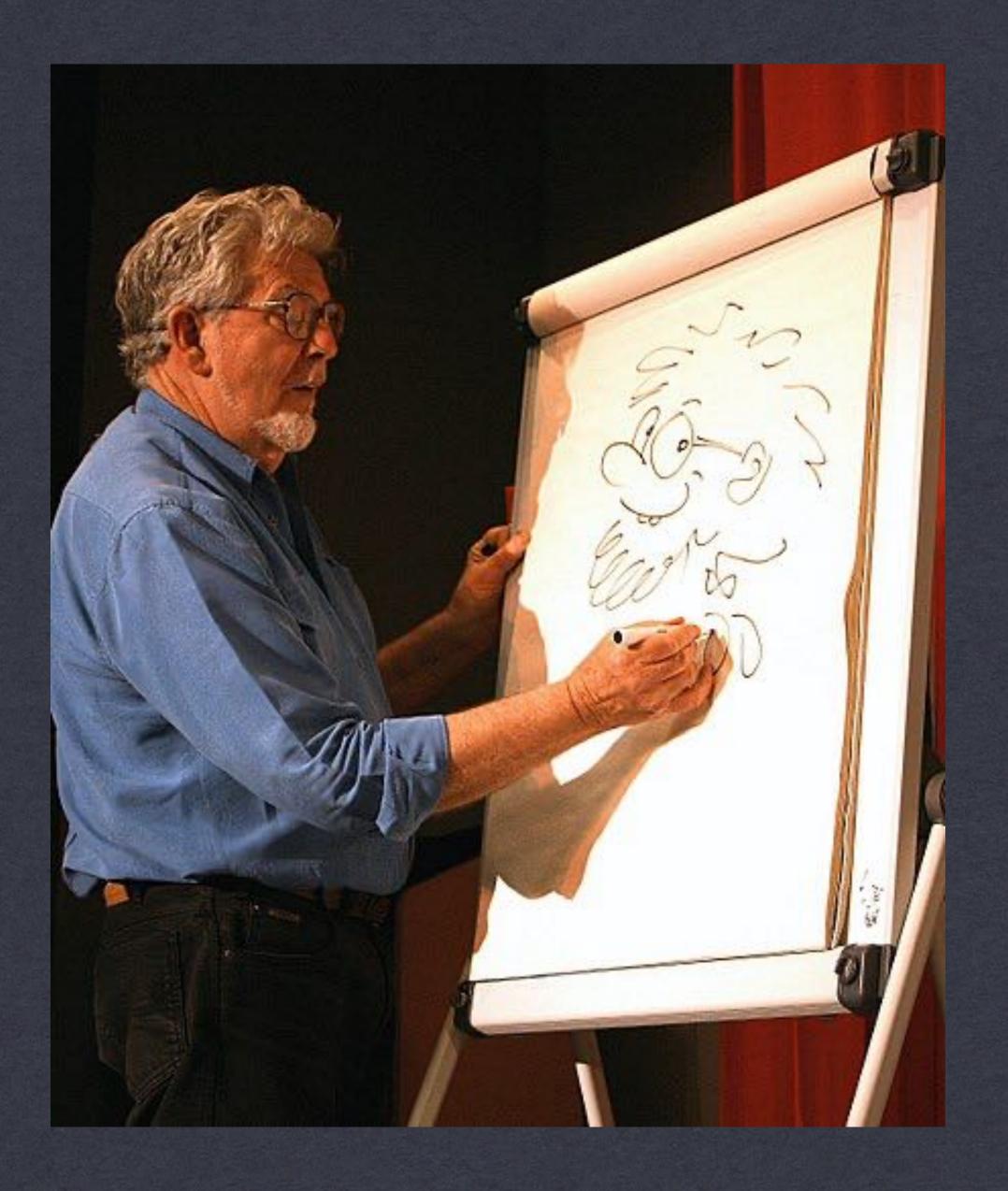
C and D to centre O at and press down, and dotted lines.

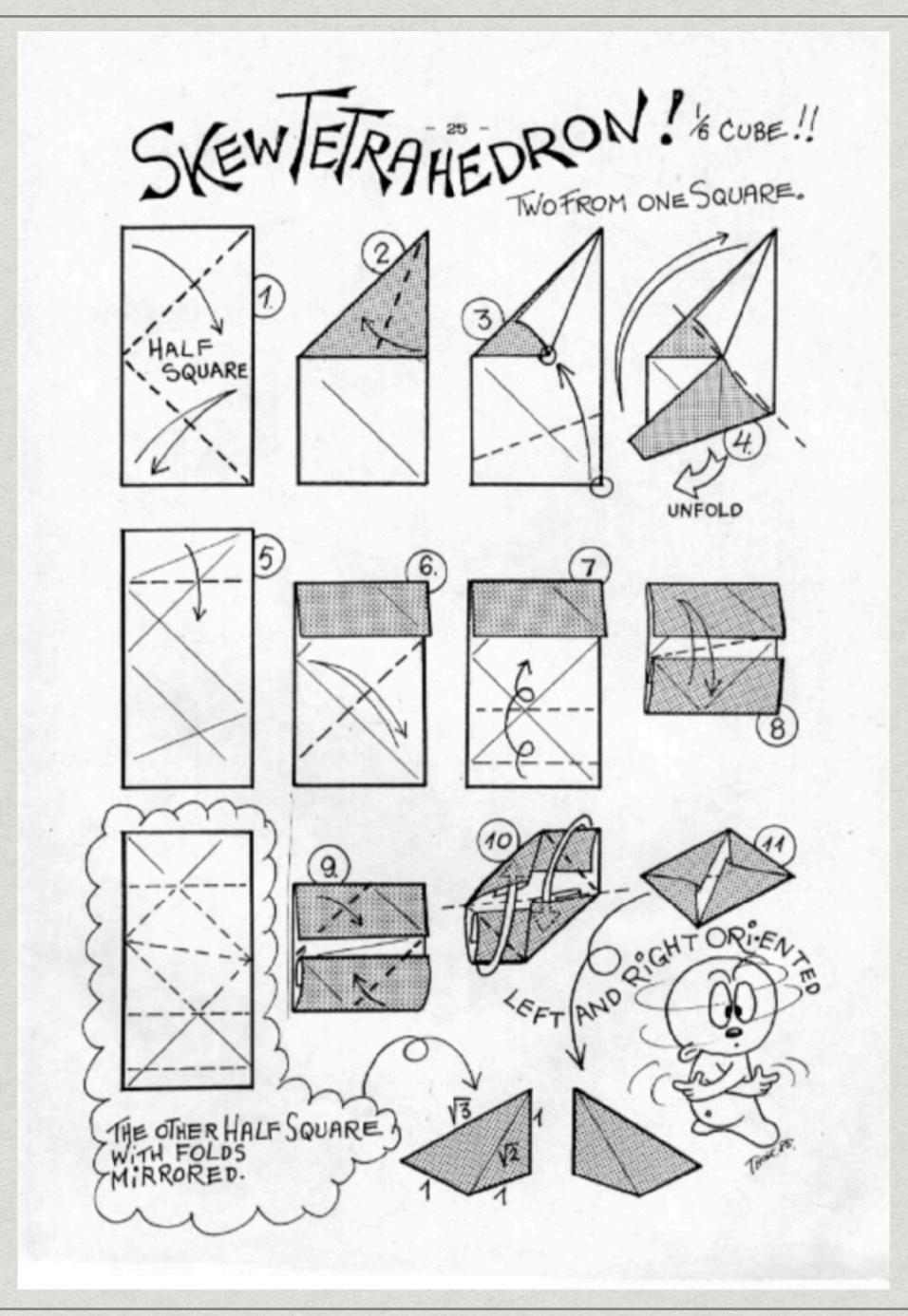
fold CD forward.

and D to centre O at dotted lines.

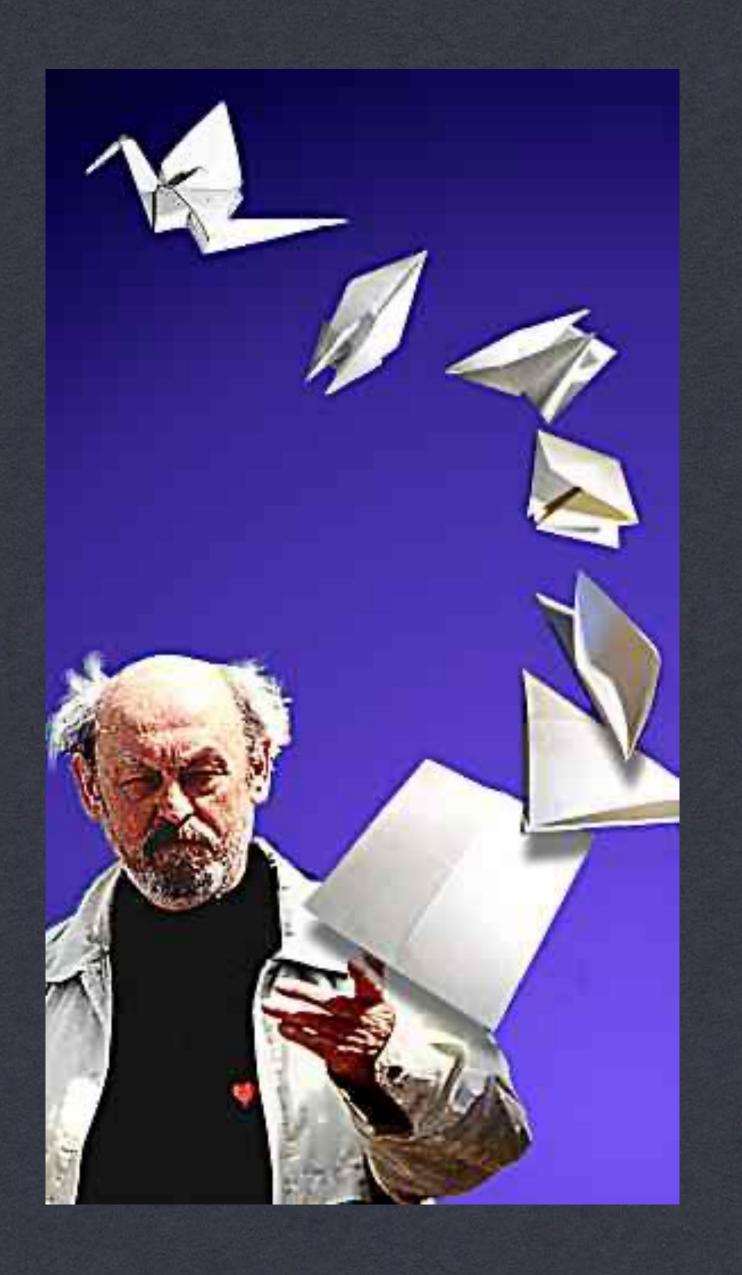
(See next page)

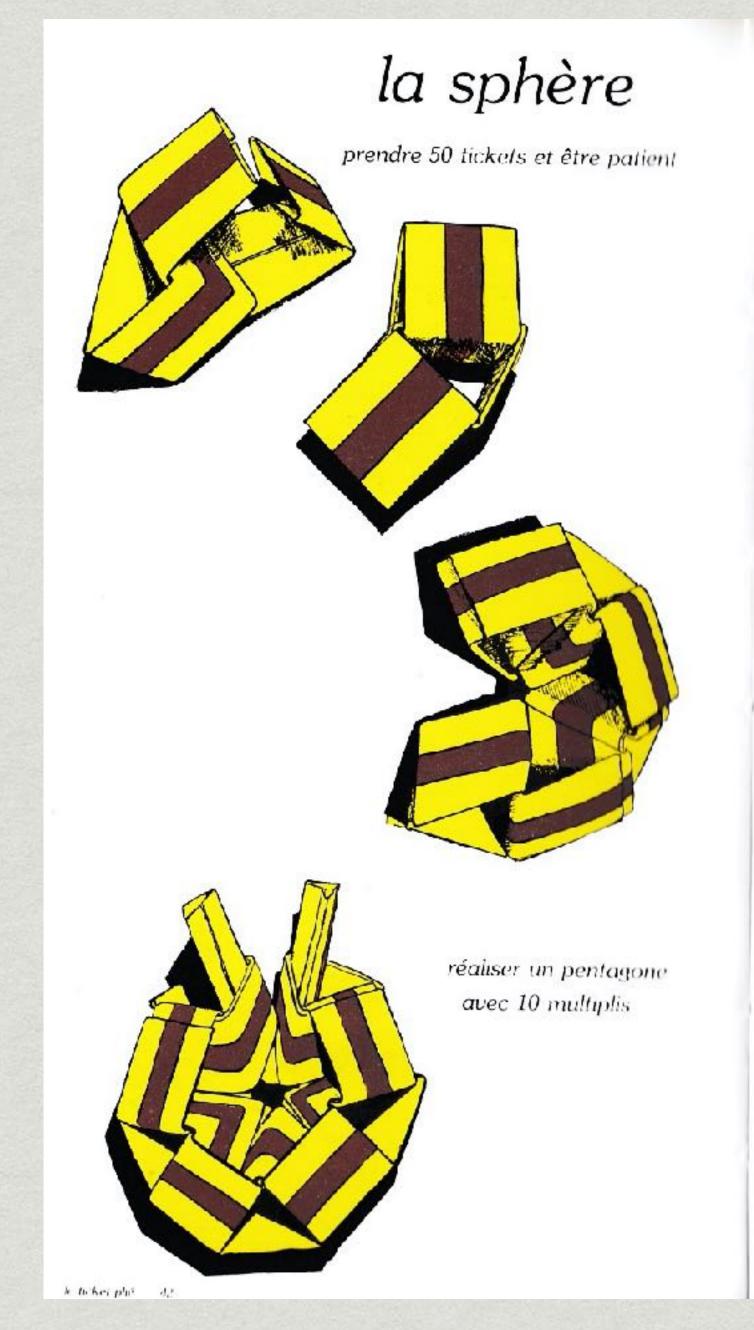
## ROLF HARRIS UK





# THOKI YENN DENMARK



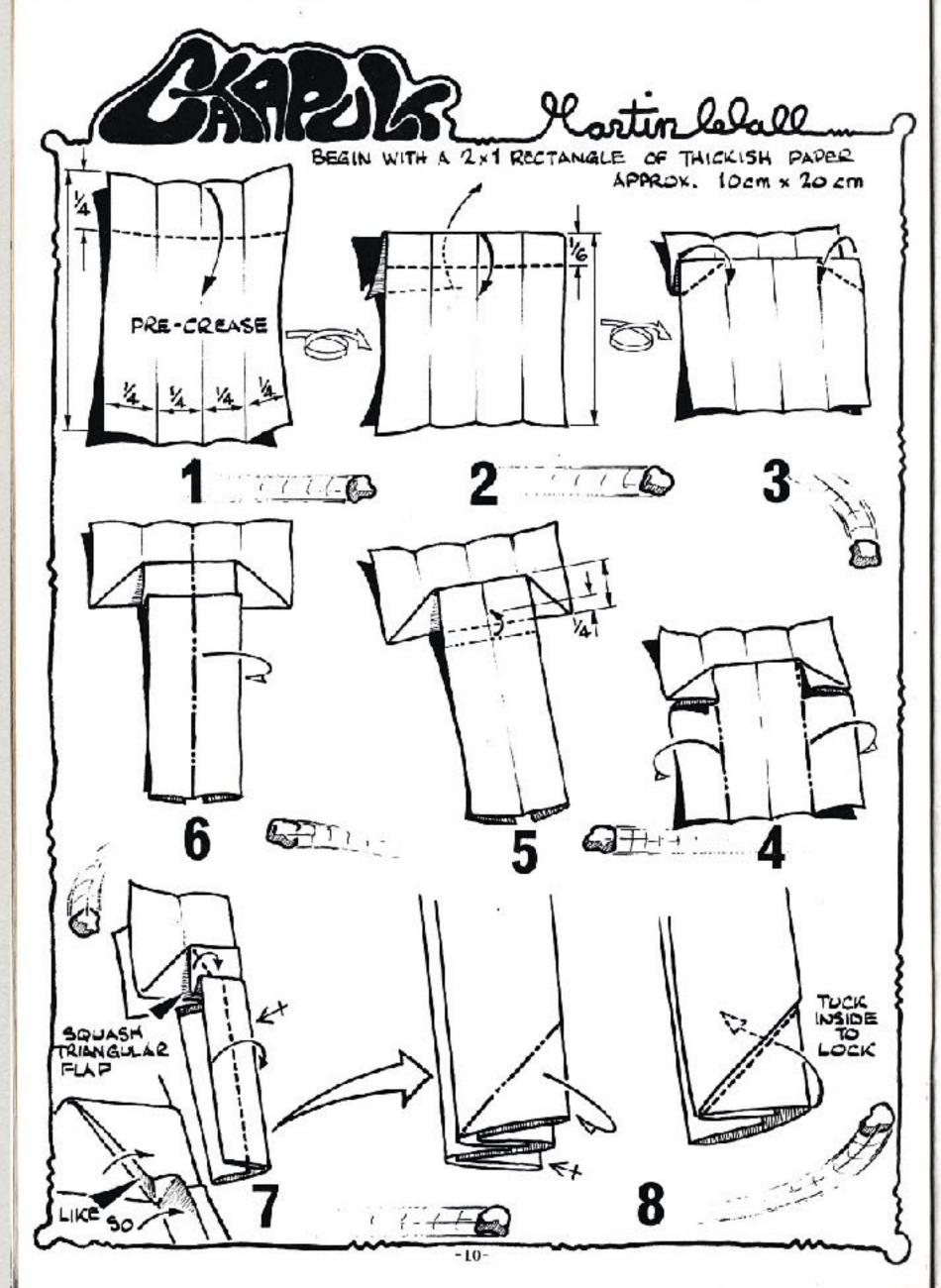


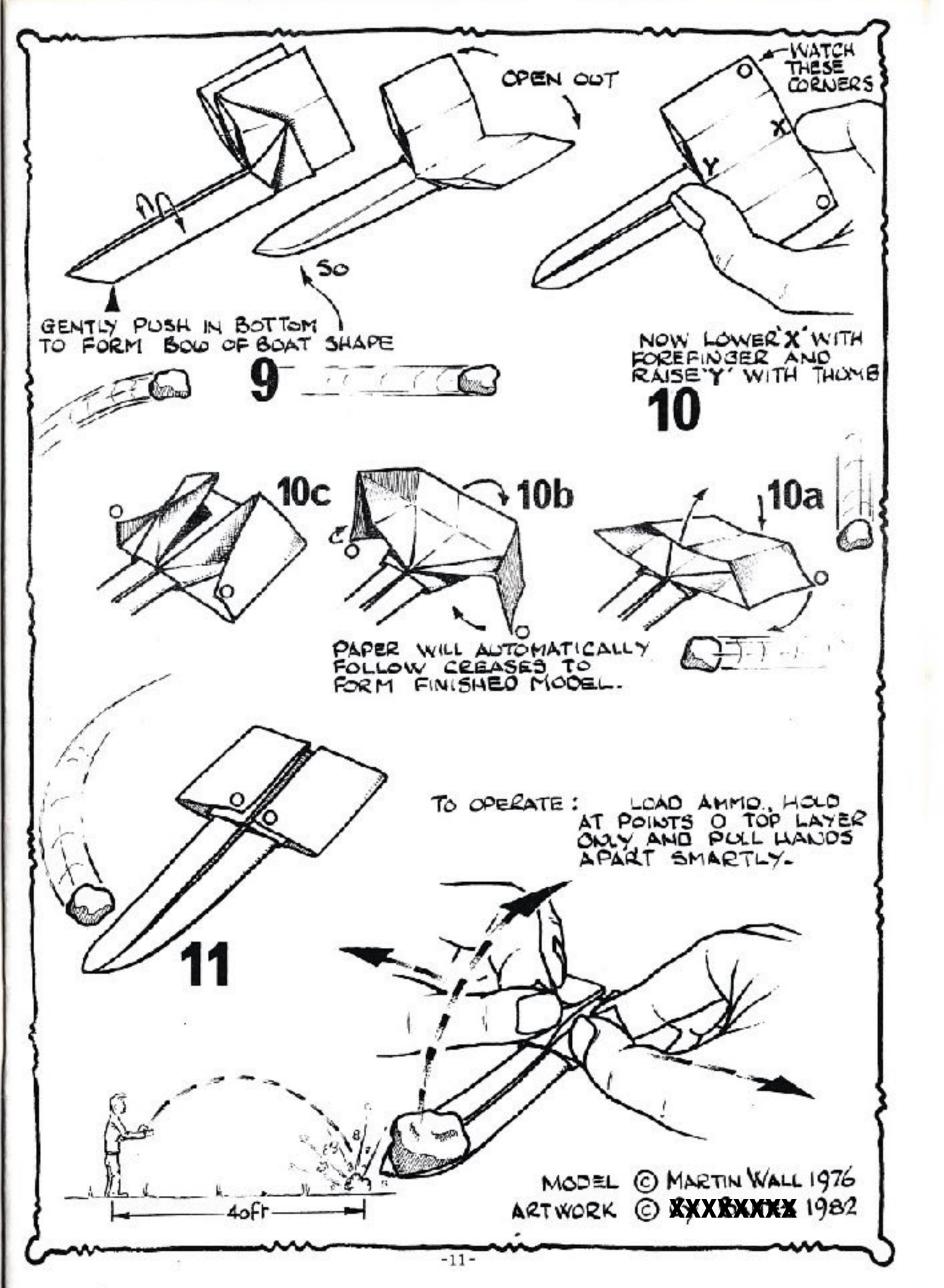


### JEAN-CLAUDE CORREIA

FRANCE

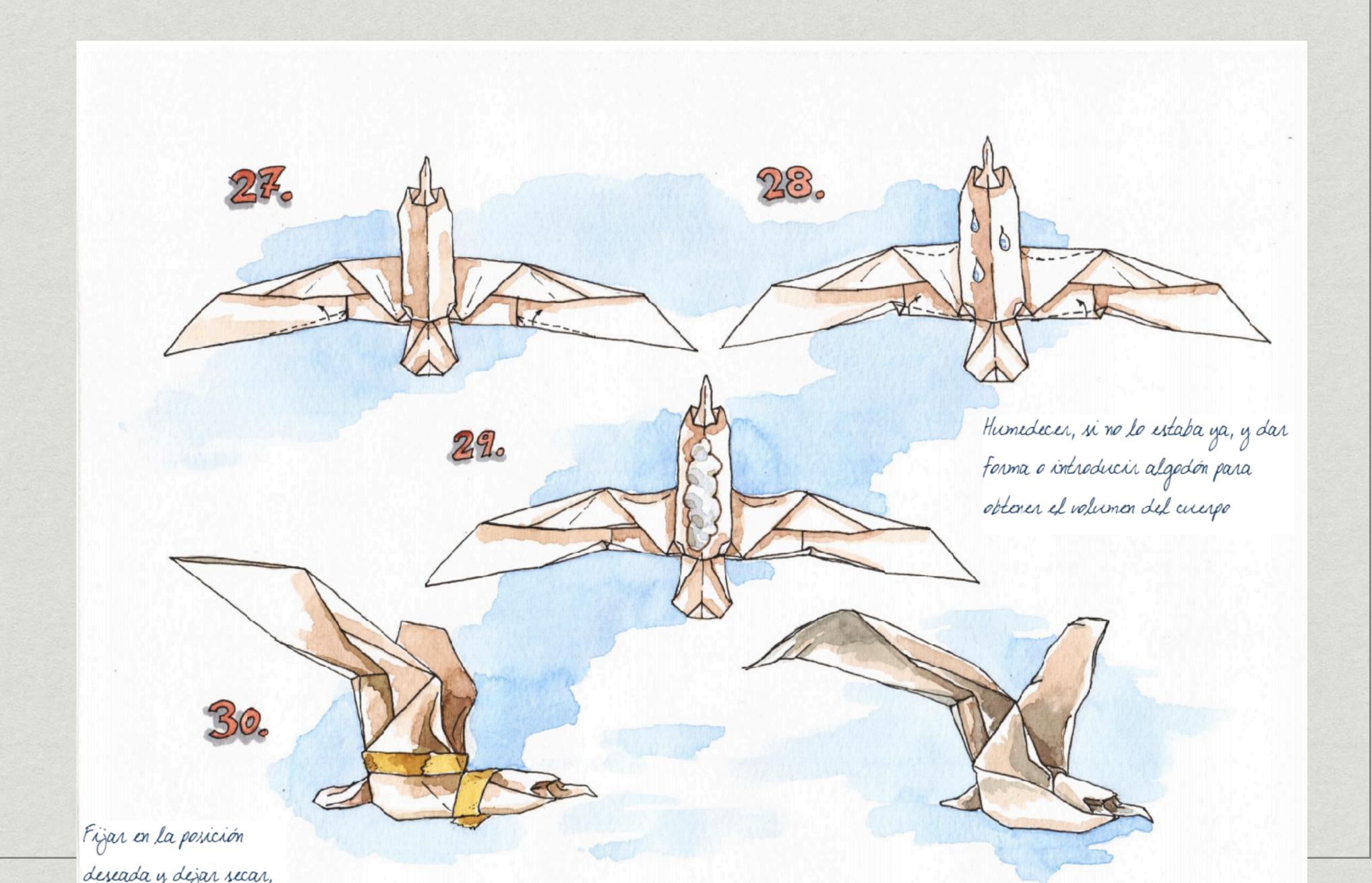






## CY BATES UK

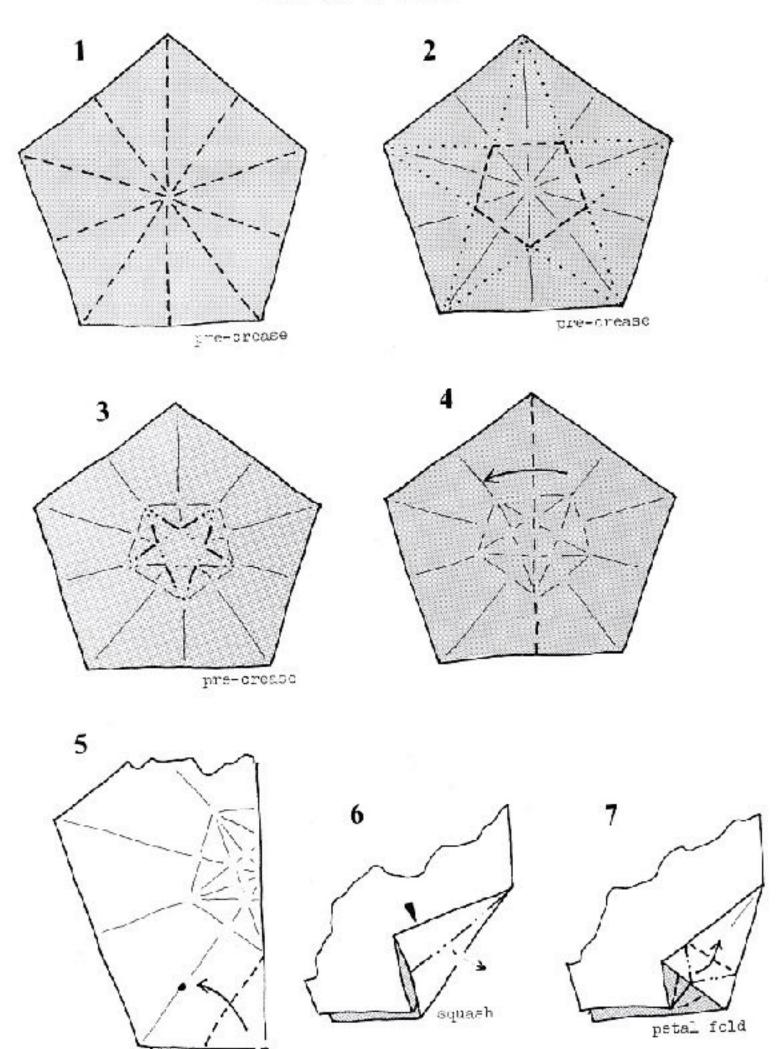


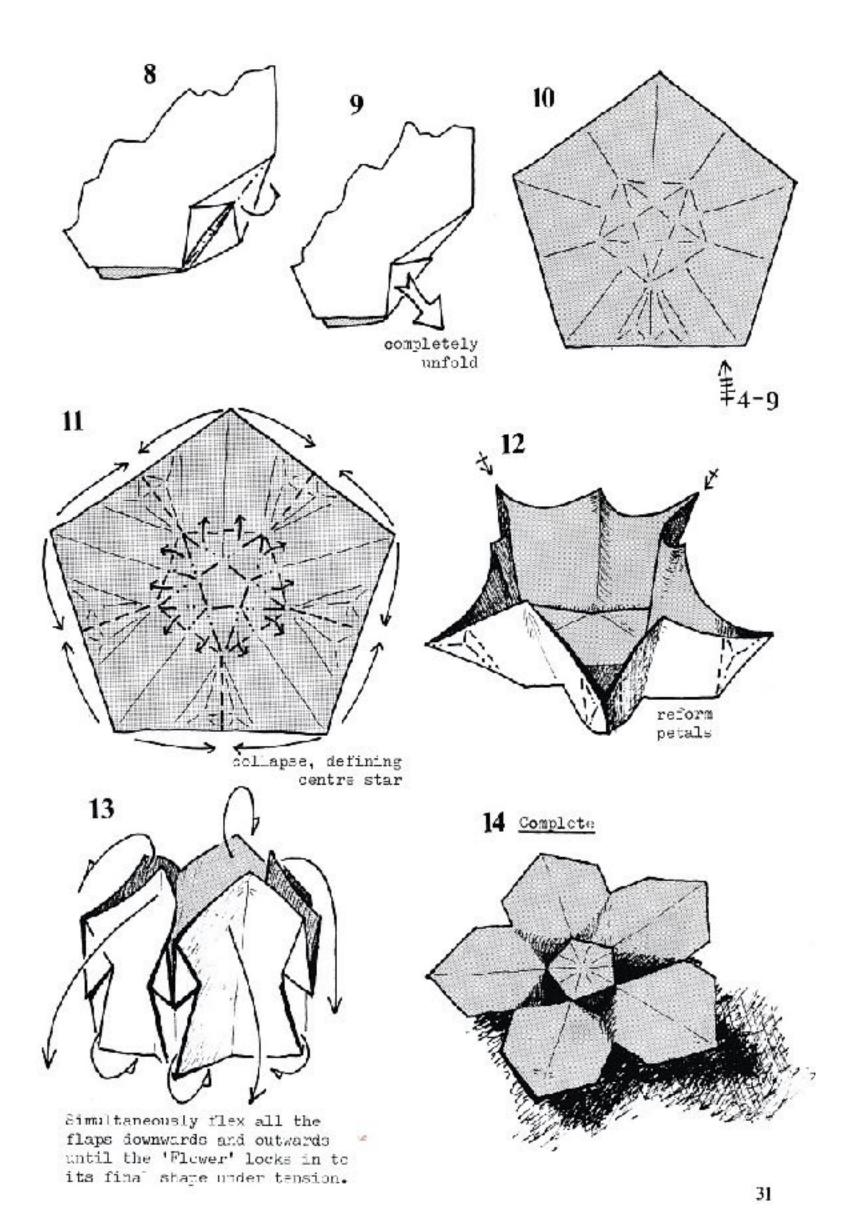


# ANGEL MOROLLON ZARAGOZA



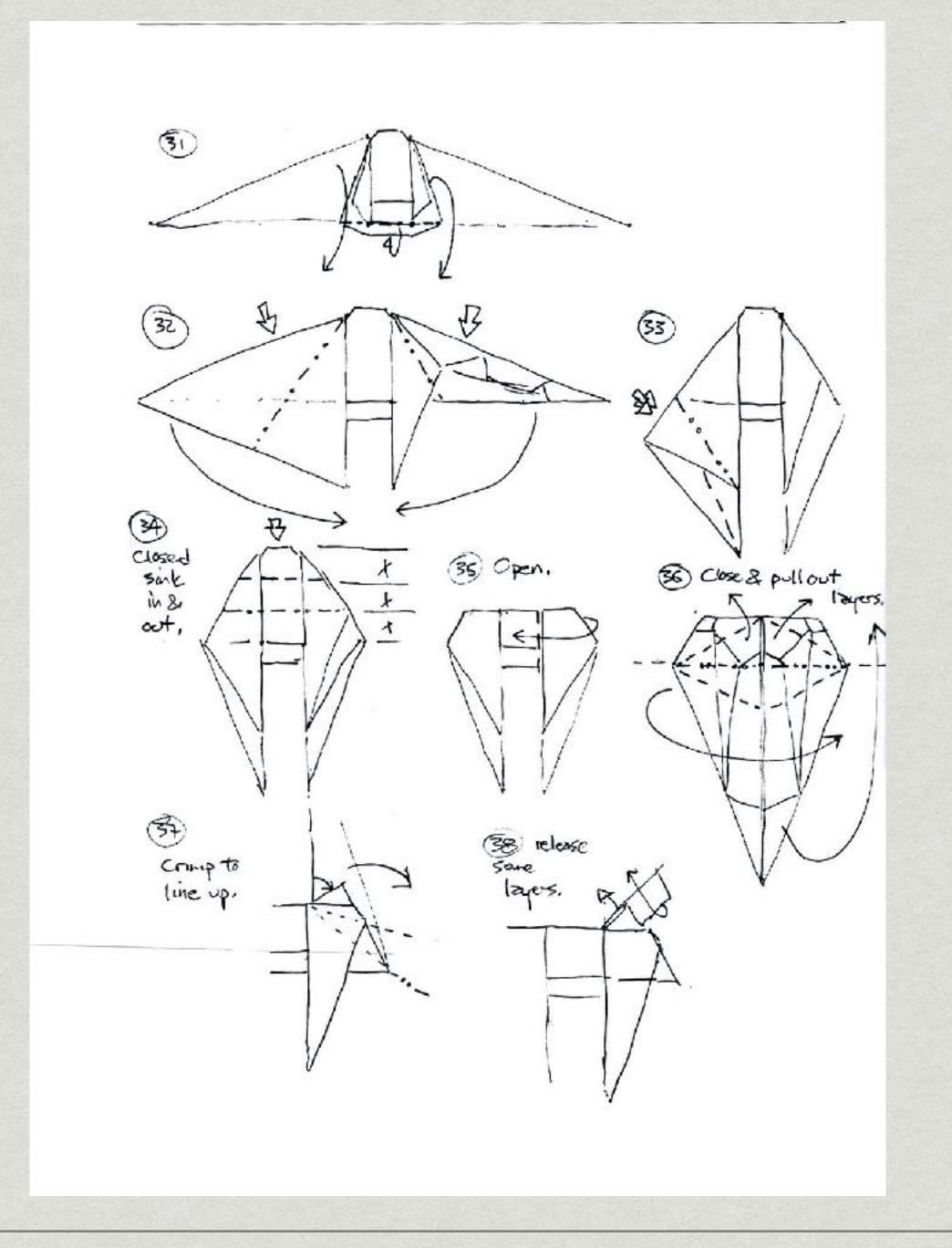
#### FLOWER





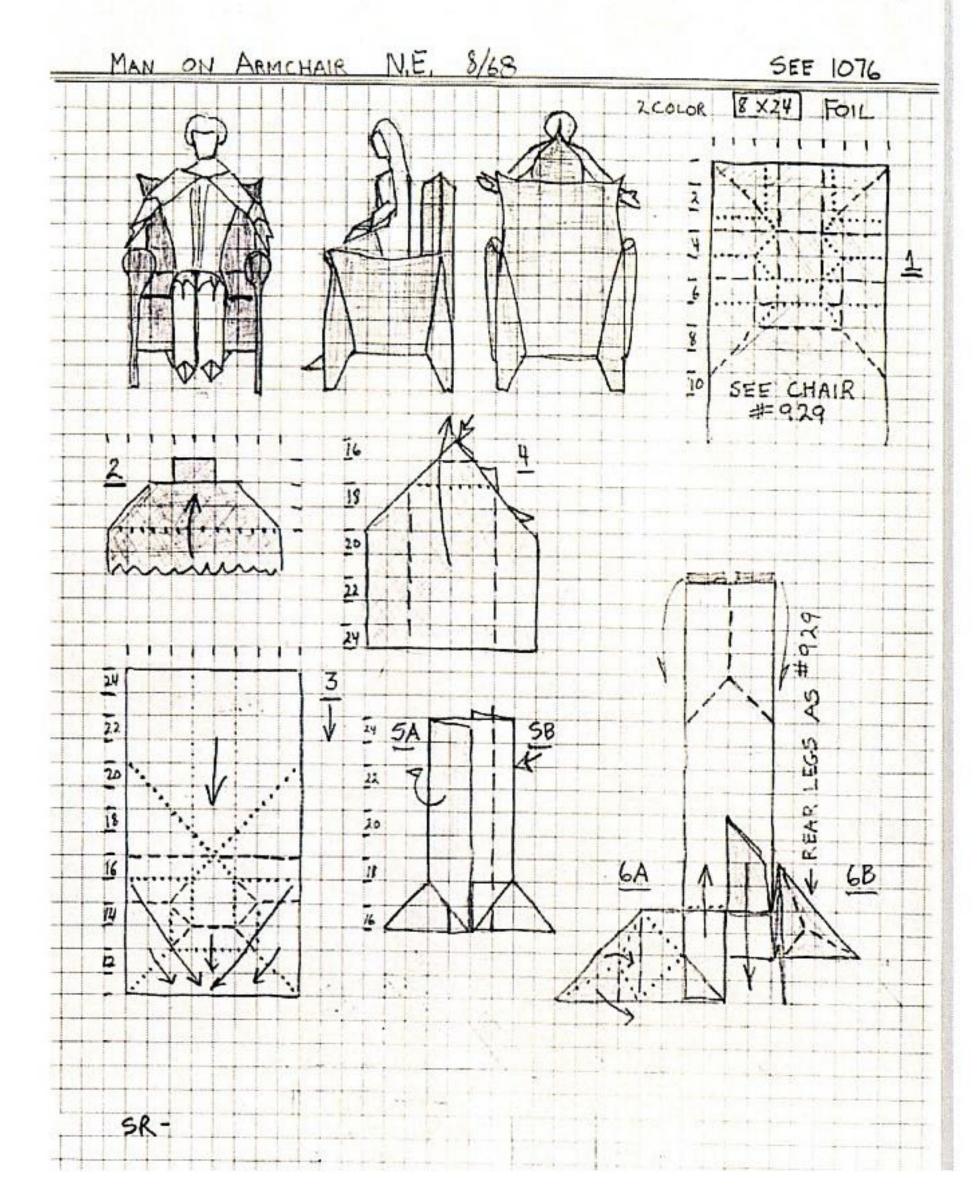
PAUL JACKSON UK/ISRAEL

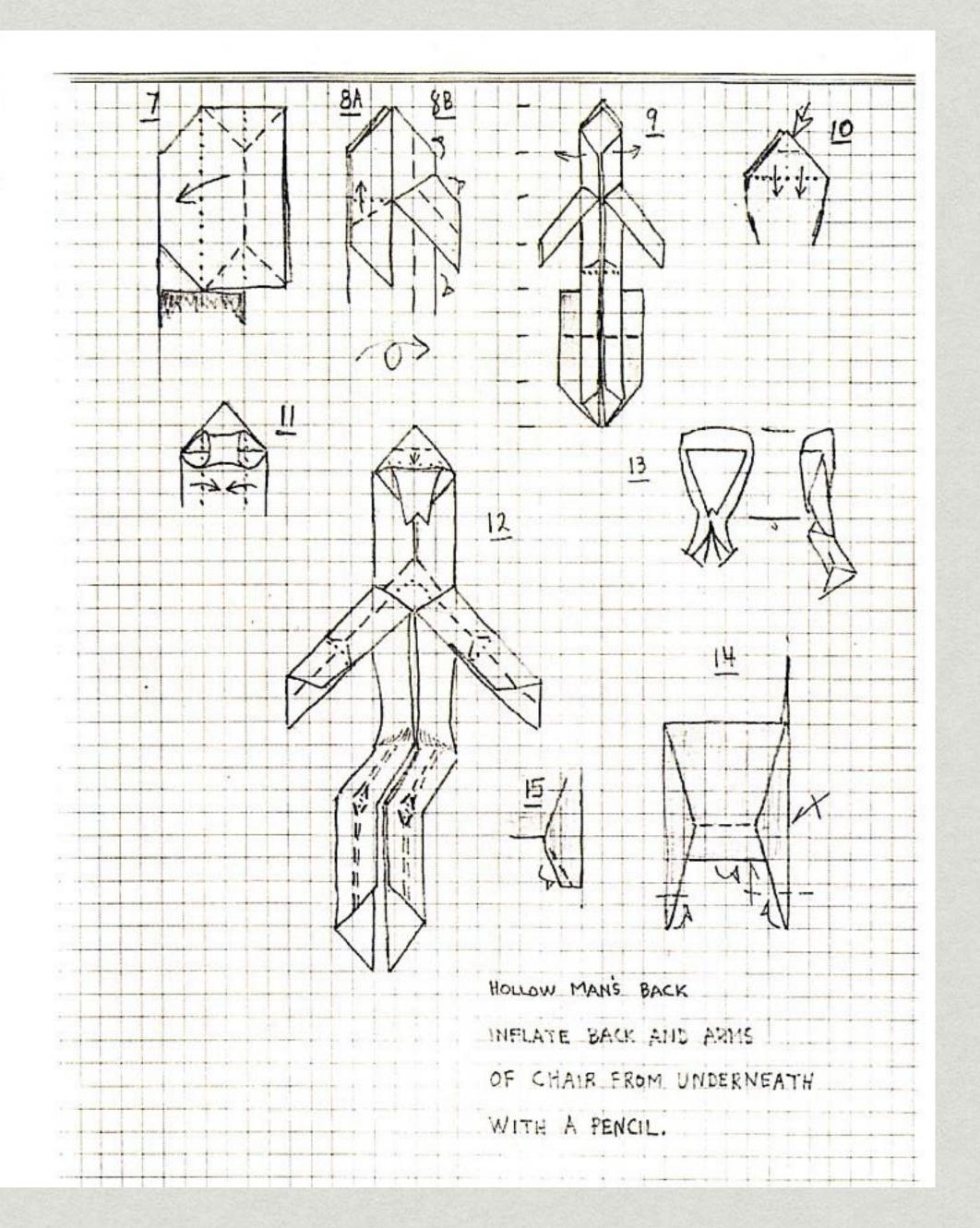




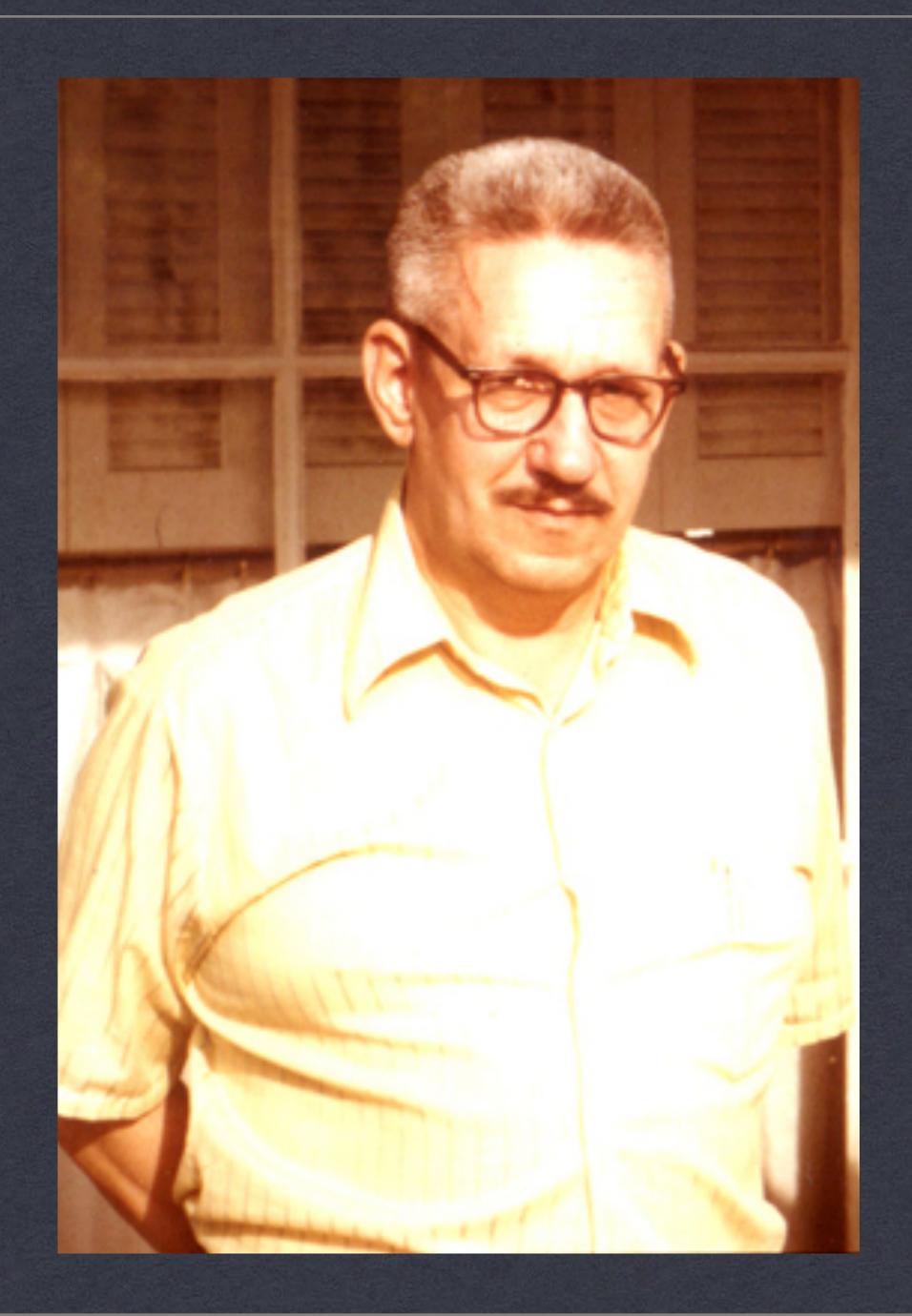
# ROBERT LANG USA

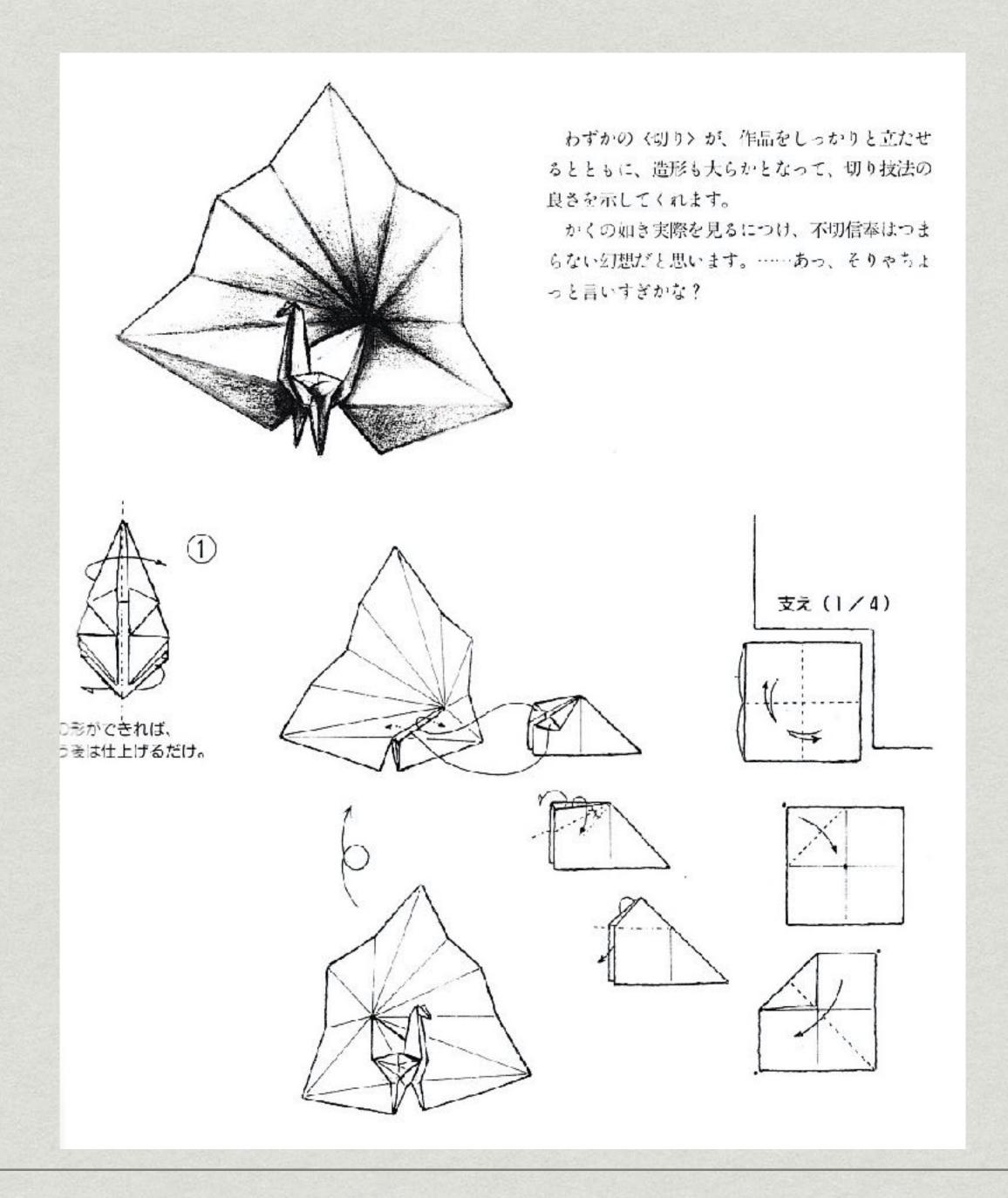






NEAL ELIAS
USA

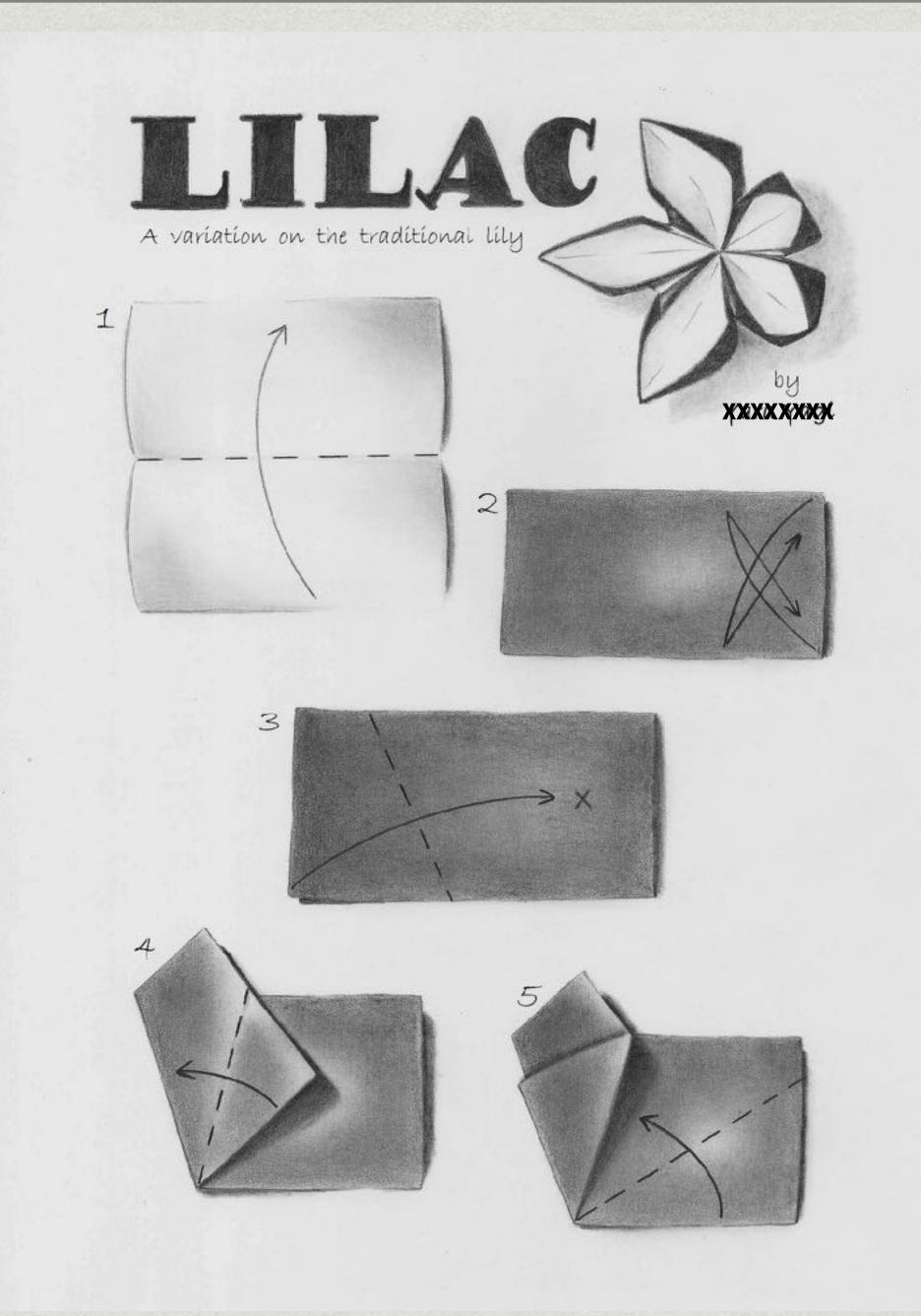




### KUNIHKO KASAHARA

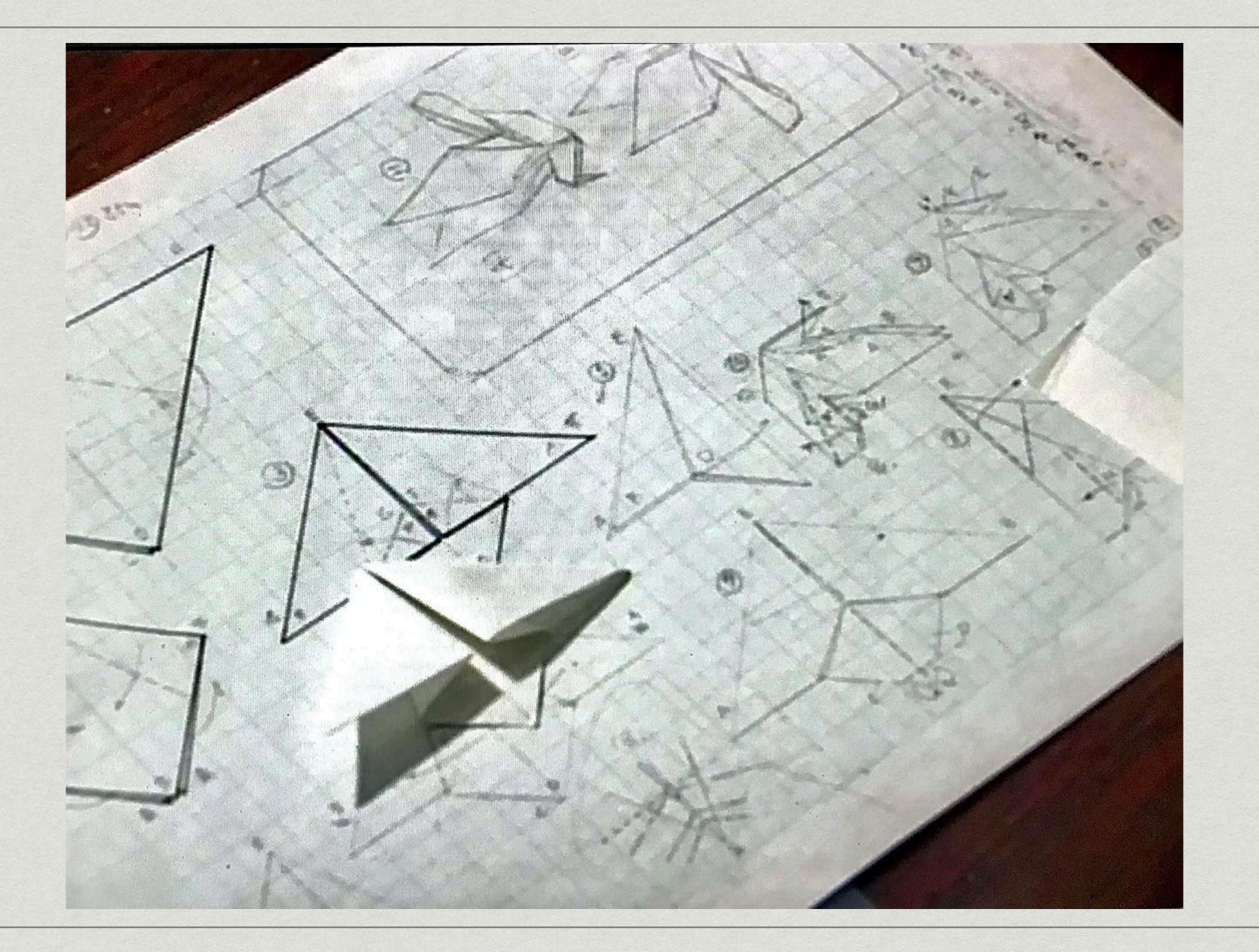
**JAPAN** 



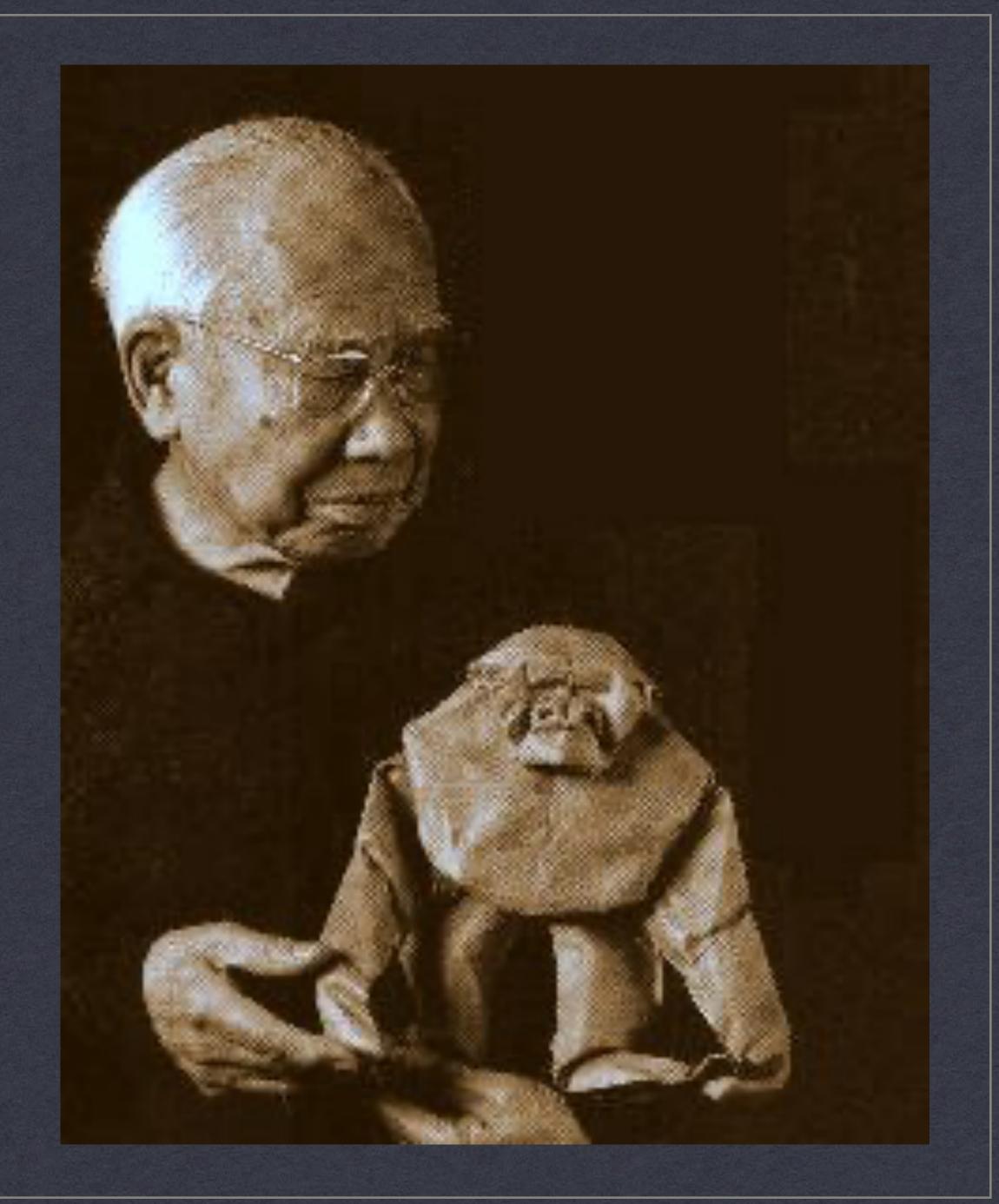


YARA YAGI BRAZIL

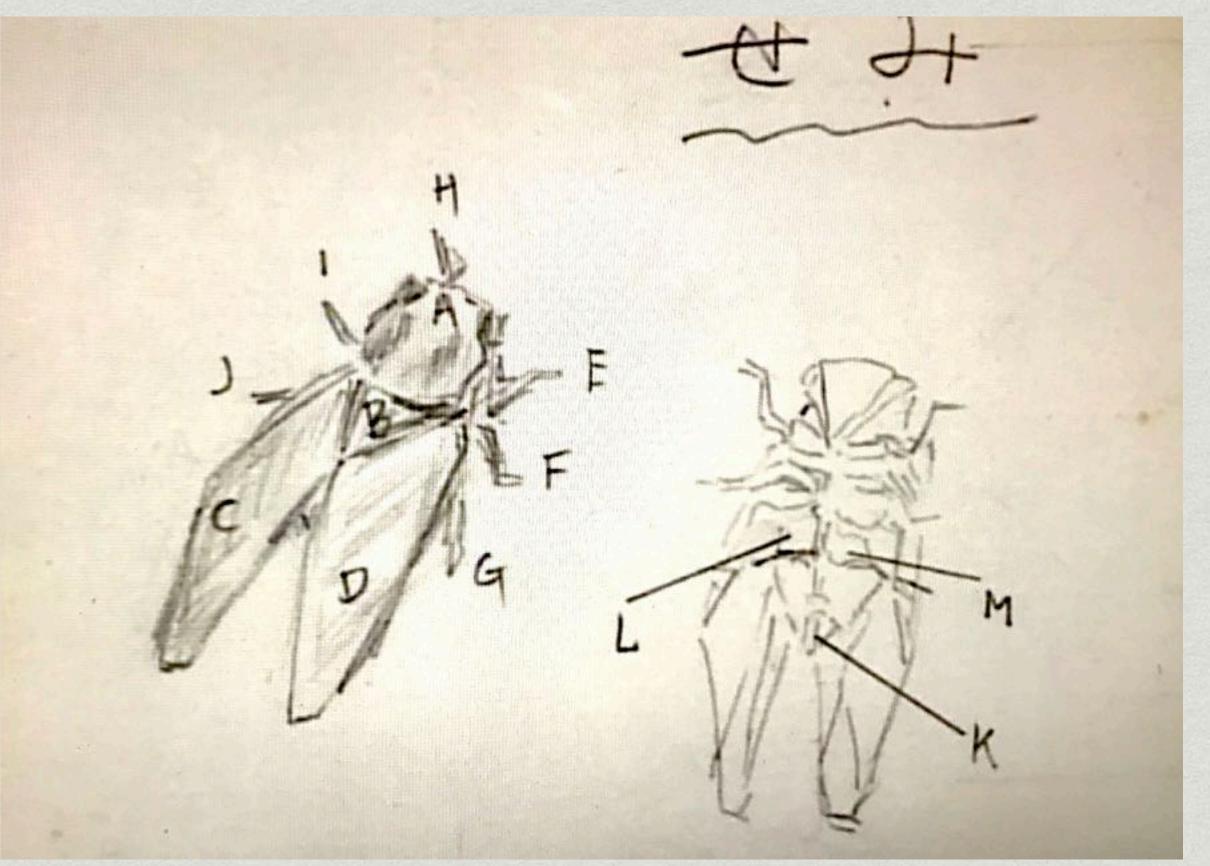


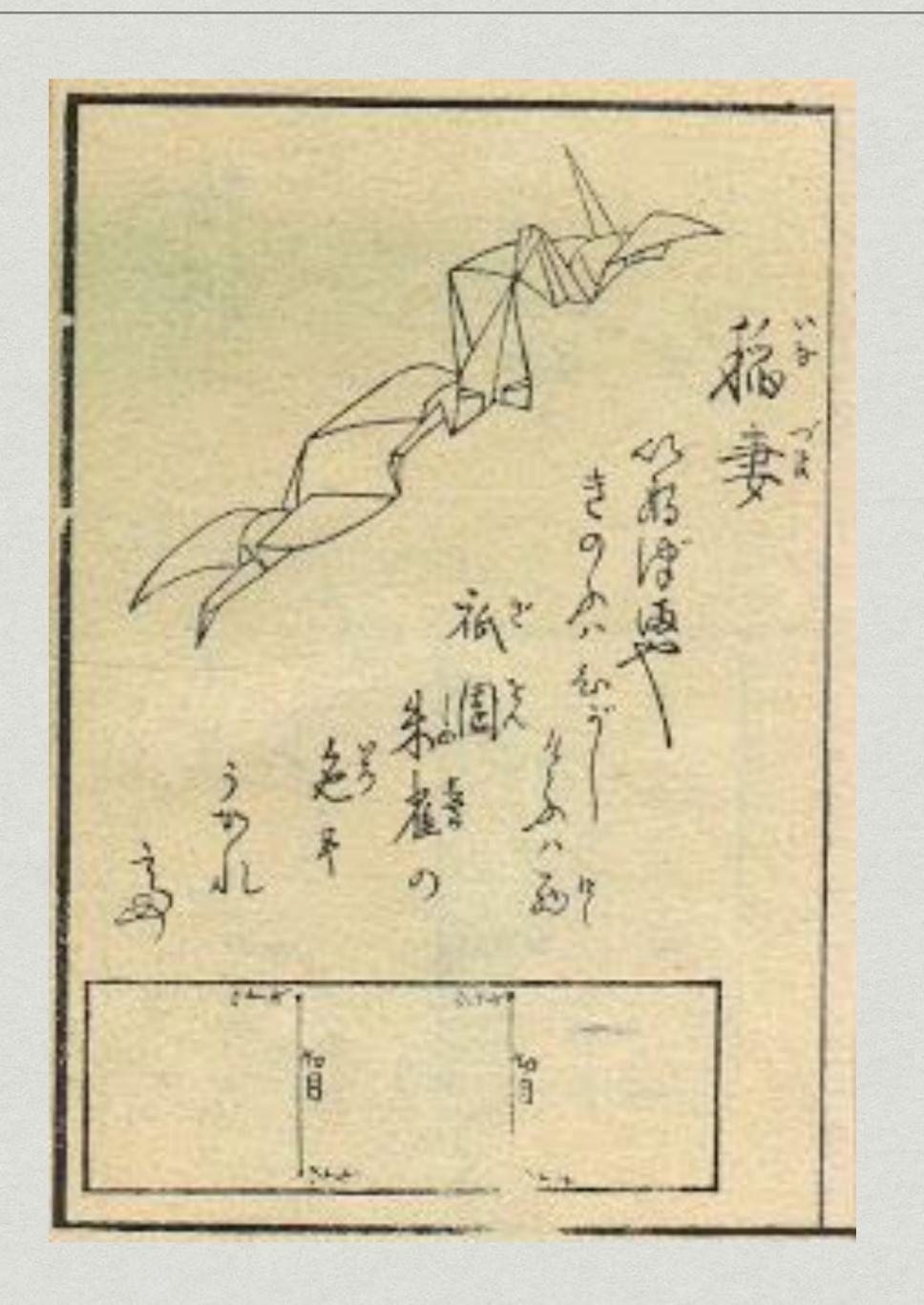


# AKIRA YOSHIZAWA JAPAN



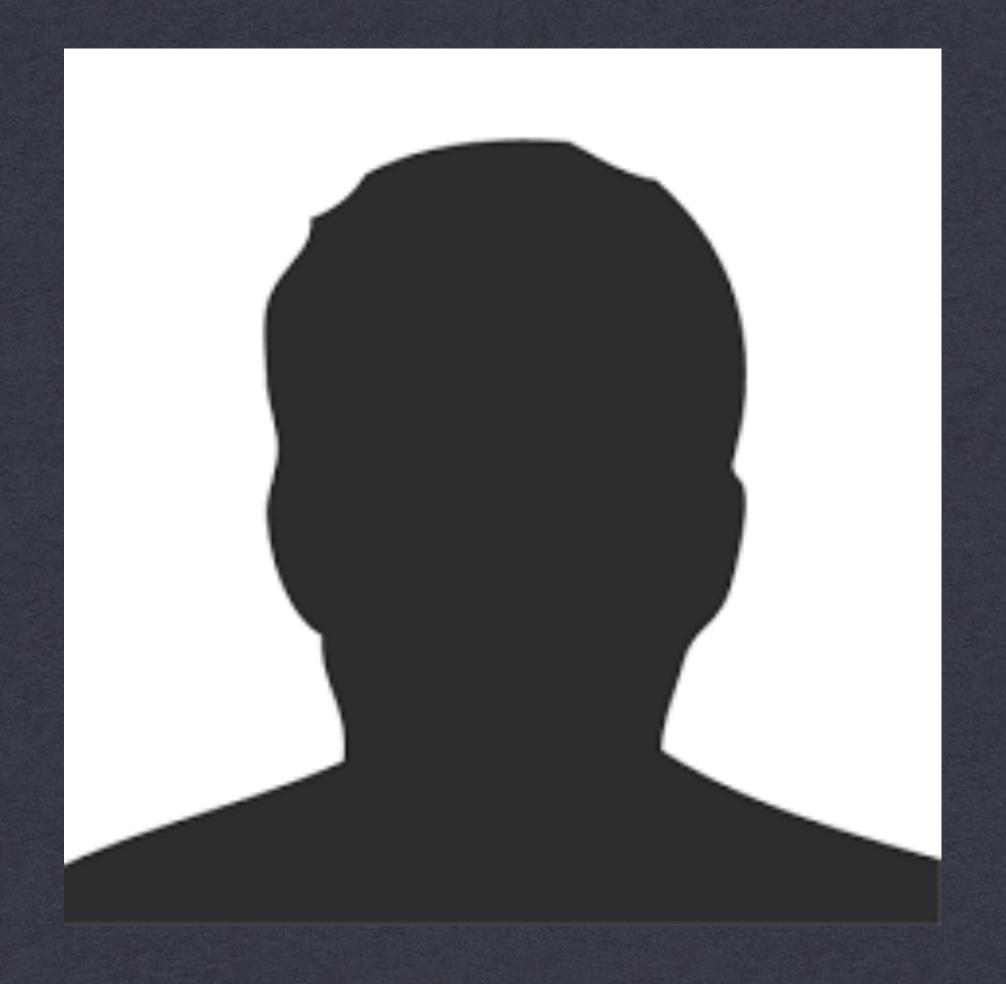


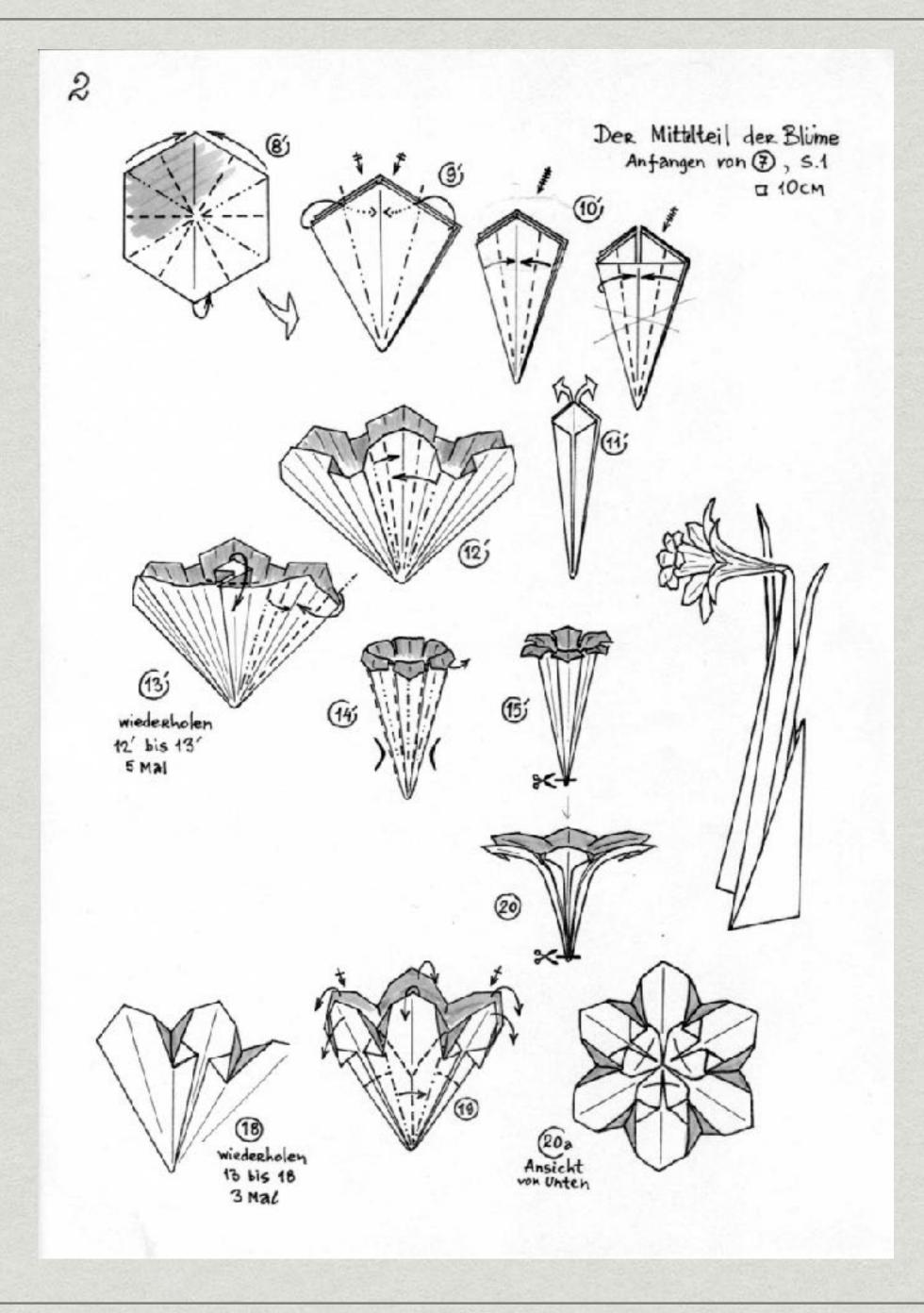




#### SENBAZURU ORIKATA

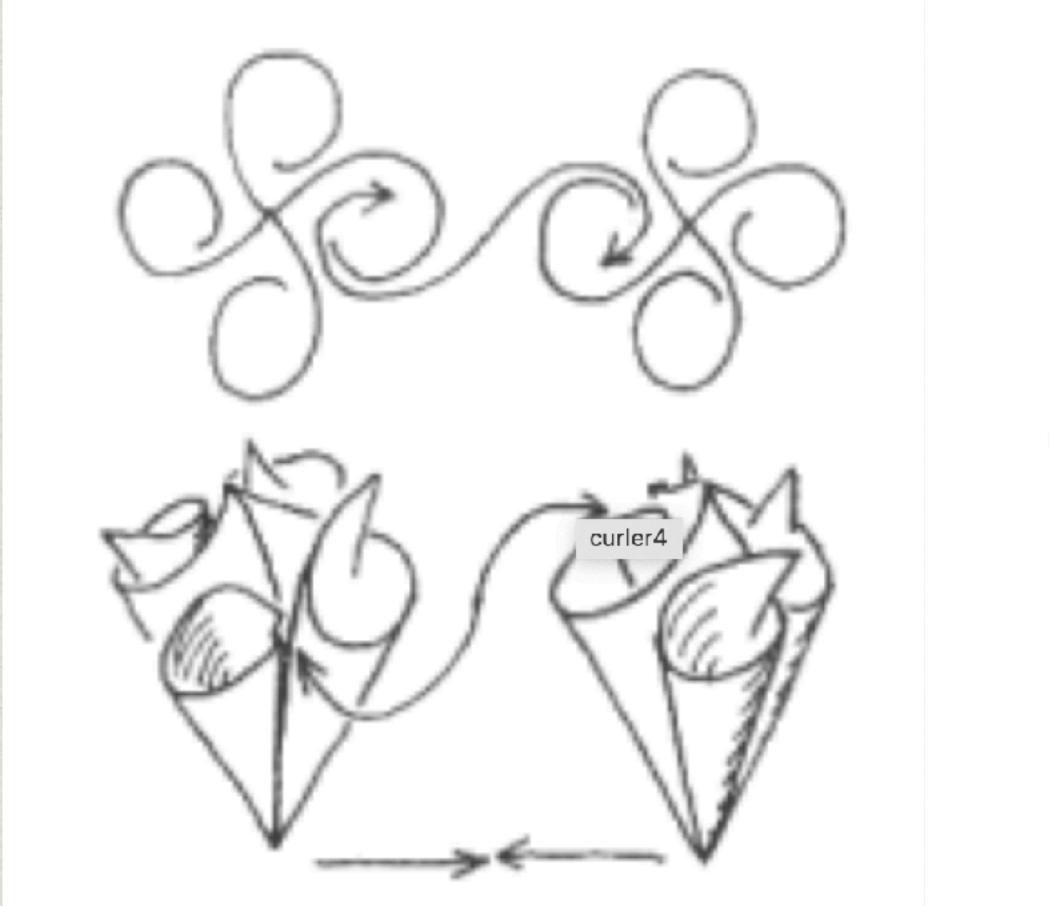
**JAPAN (1797)** 





# ASSIA BRILL RUSSIA, UK







#### HERMAN VAN GOUBERGEN

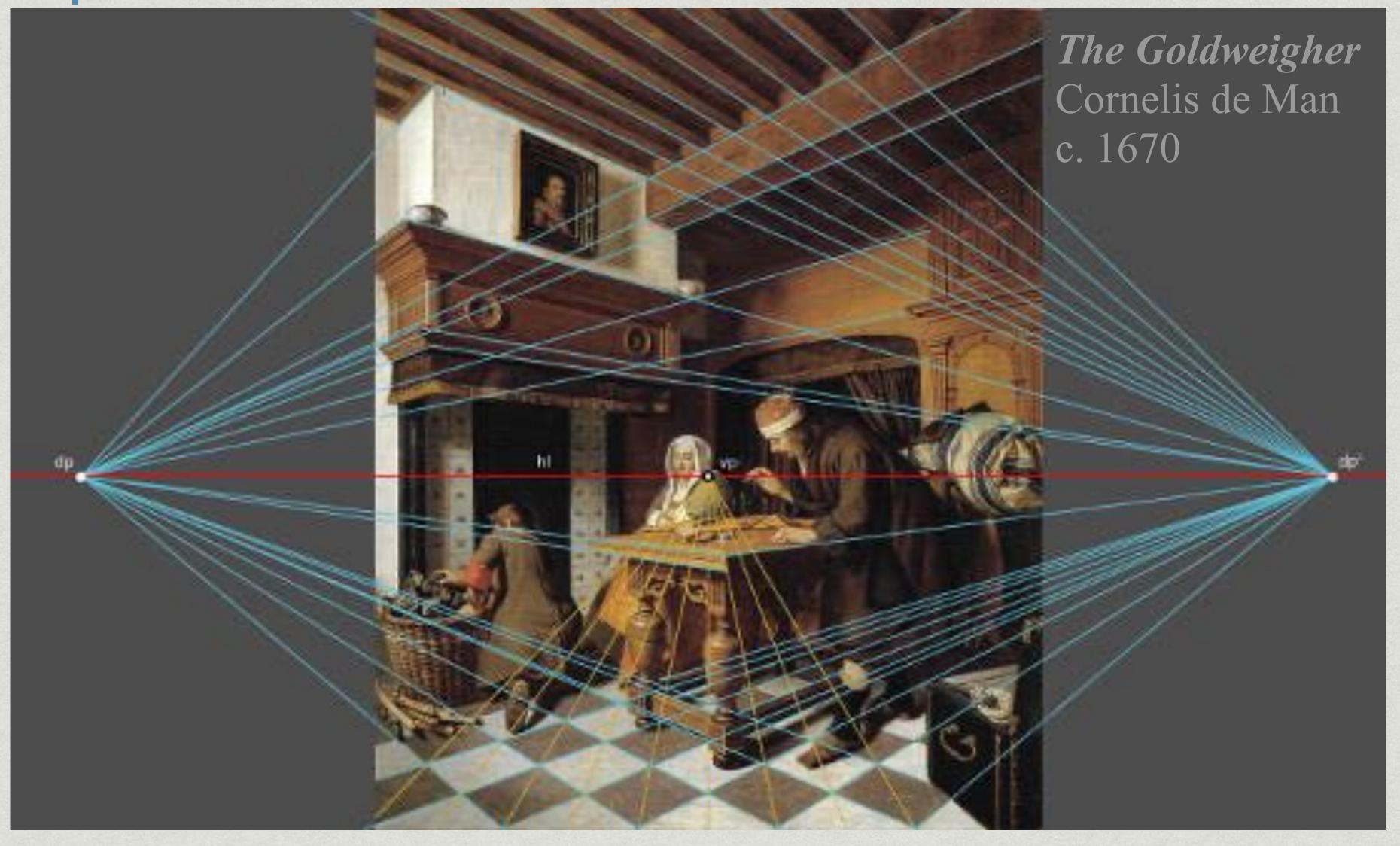
**BELGIUM** 



# Some drawing principles

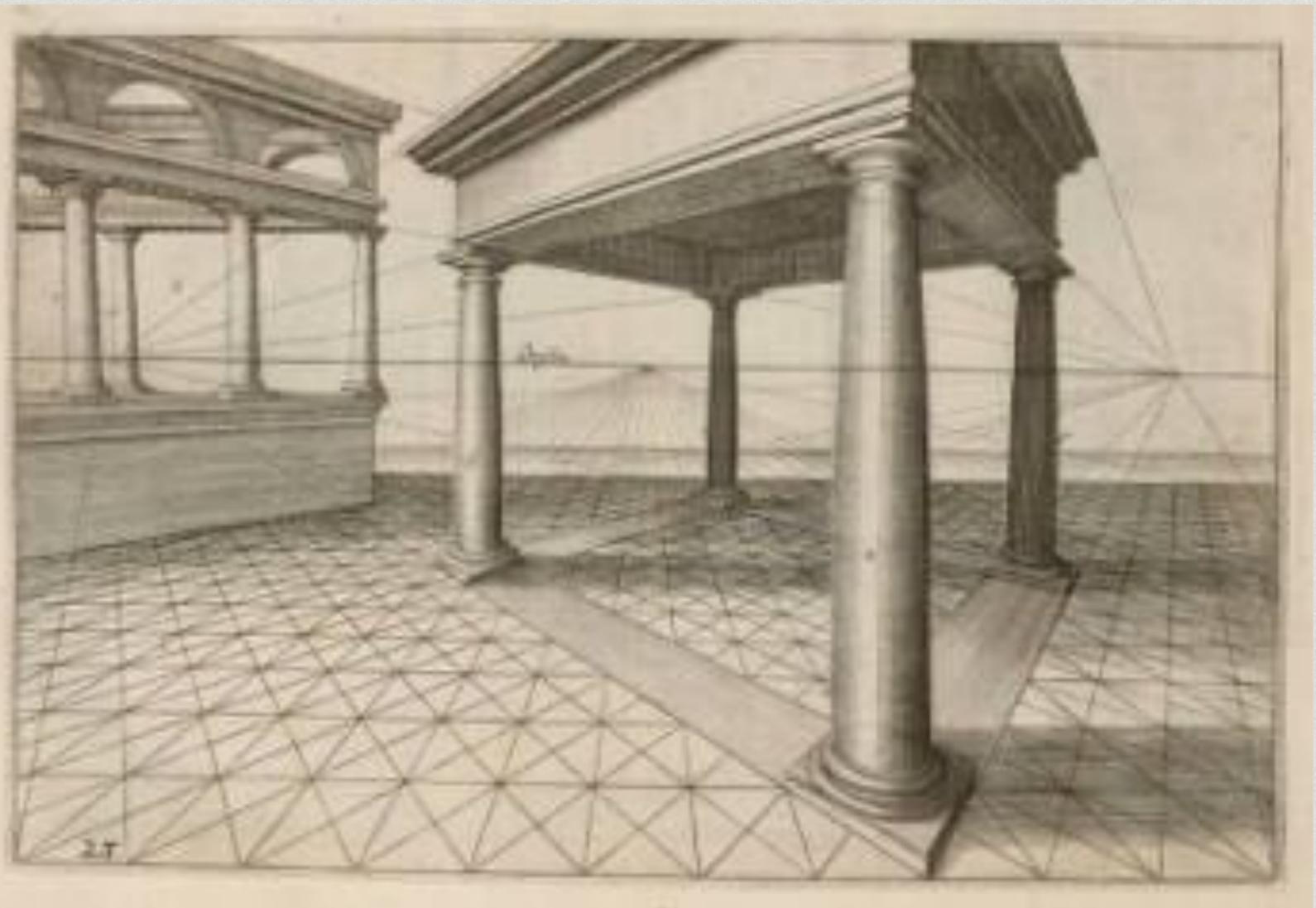
- \* Proportions
- \* Negative spaces
- \* Foreshortening
- \* Compositional skills
- \* Perspective
- \* Vanishing point
- \* Pencil and thumb sight measuring
- \* Step back: don't get too close all the time.

Perspective

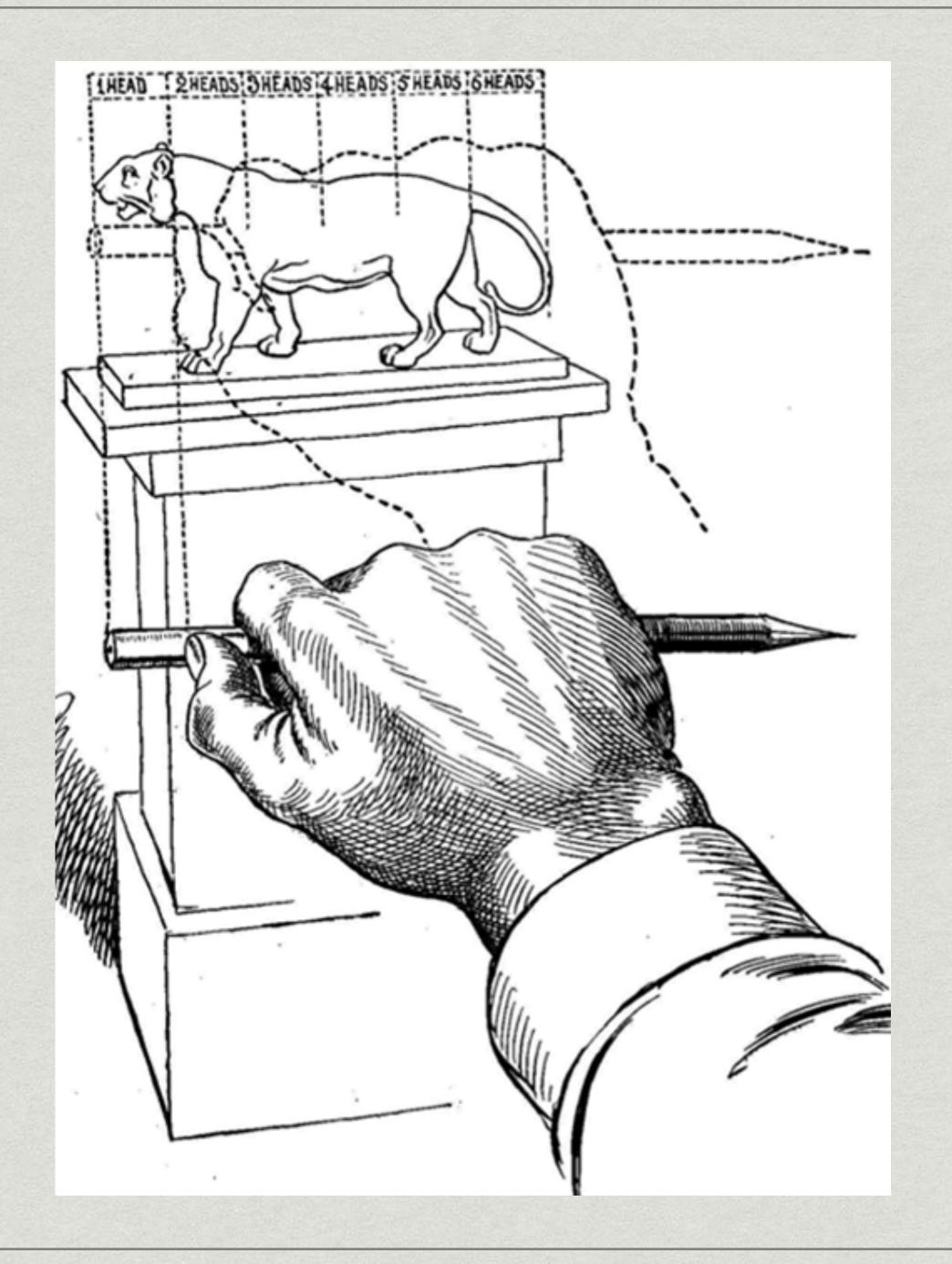


# Foreshortening





# Measuring proportions

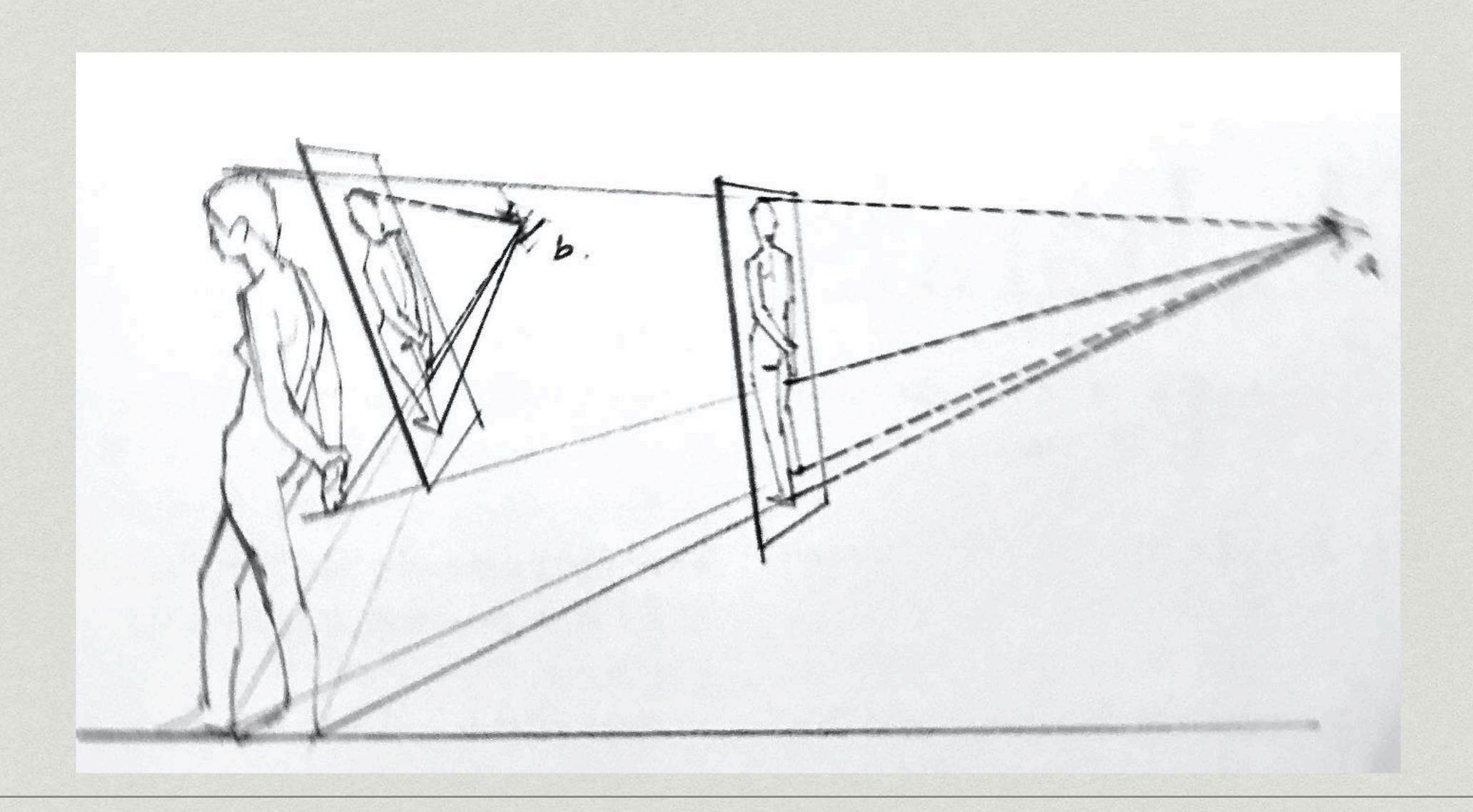


# Negative space





# Drawing board position





# Draw what you see, not what you know

Objective observation tells us that the hands appear to be very close to the right foot. There is considerable spatial distance between them. It is because we know this that we tend to modify what we see to fall in with what we know.

(from FIGURE DRAWING by John Raynes)

#### Before

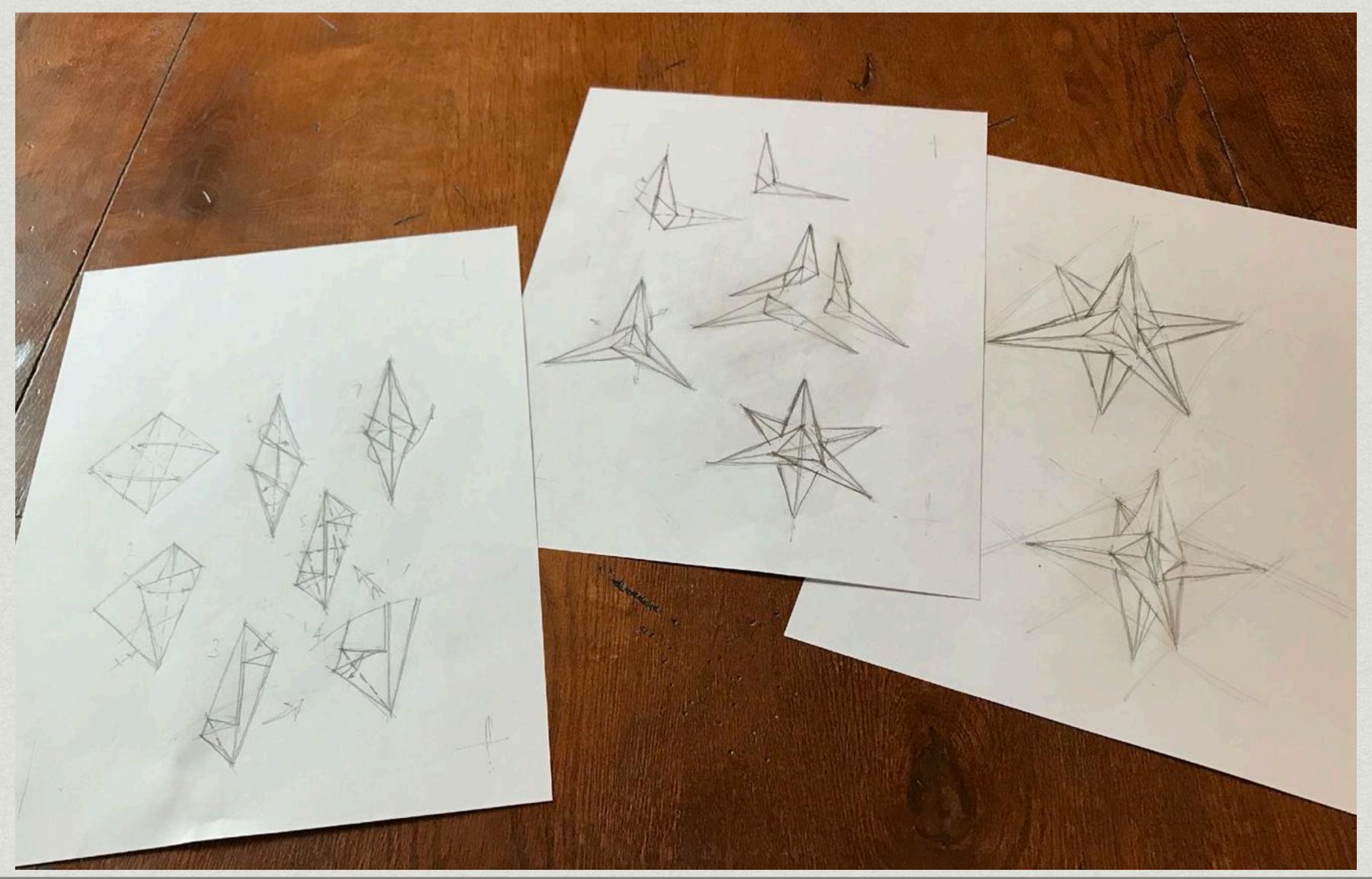
- \* Refine method before starting
- \* Good constant indirect light for optimum shadows
- \* Find support for model to fix position/aspect
- \* Plan diagram flow on current and neighbouring pages before starting.
- \* Use good A4 paper
- \* Avoid rigid grid of steps
- \* No ruler
- \* Dislike to use photos to aid 3d steps

#### Drawing board and model support





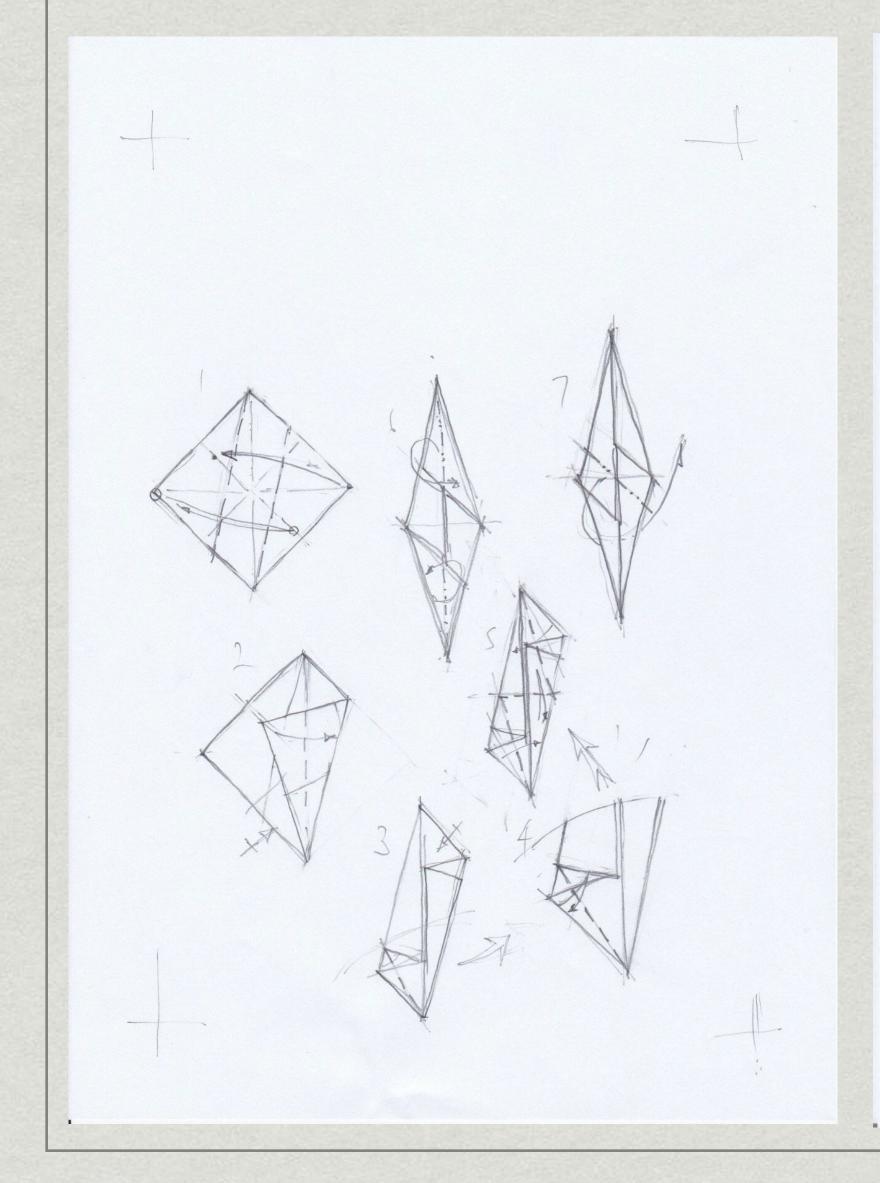
# Plan sequence and diagram flow

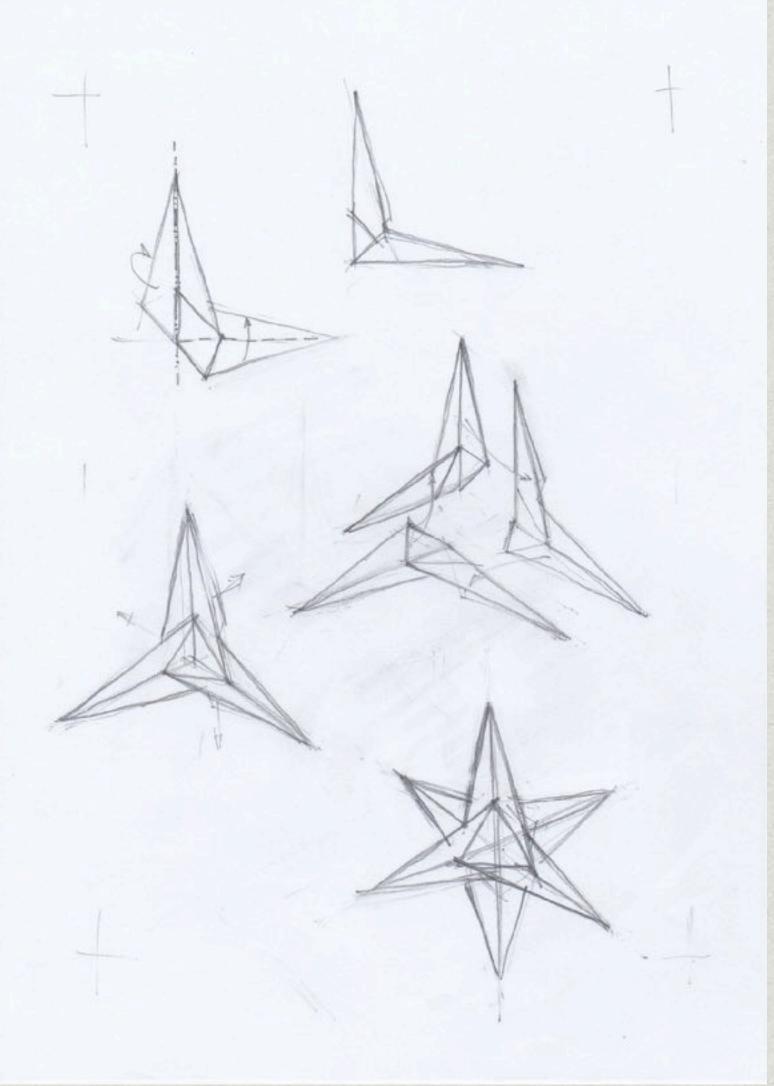


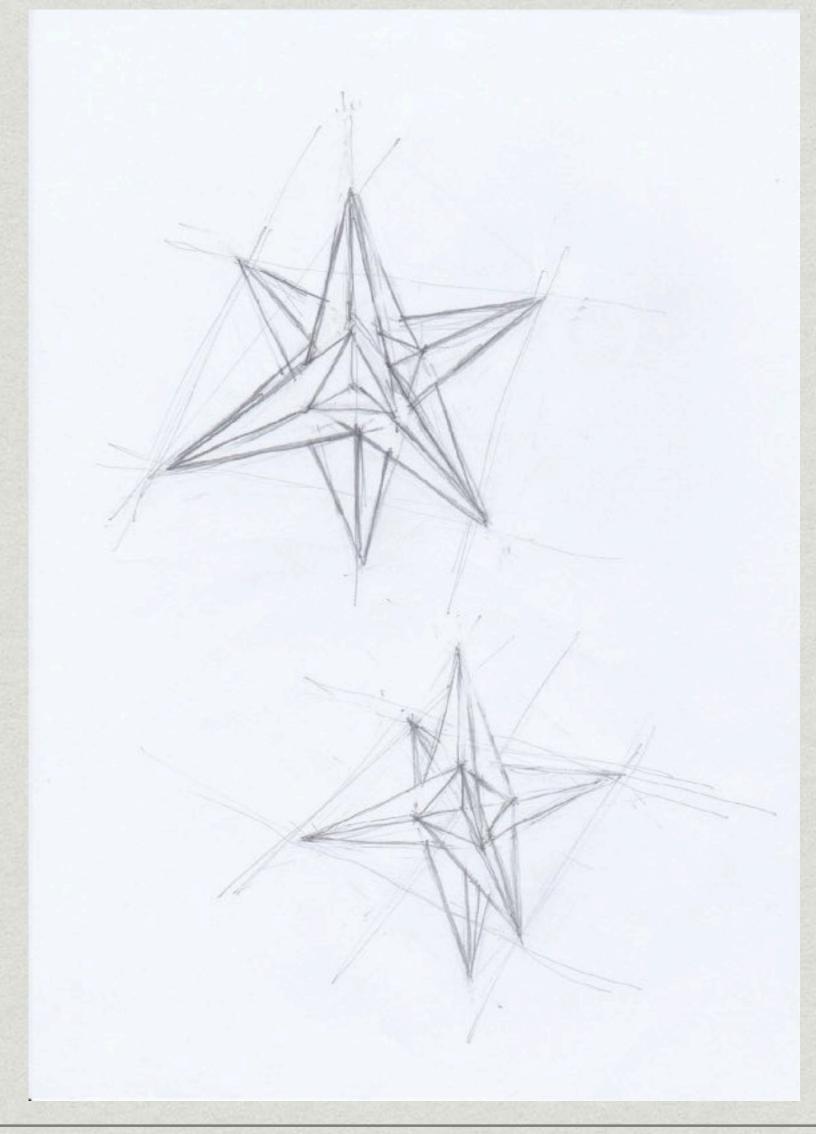
## During

- \* Draw steps in HB-2B pencil
- \* Make corrections with rubber
- \* Keep head and subject positions constant
- \* Ensure drawing surface perpendicular to line of sight
- \* Keep whole object in view at all times
- \* Ignore details until fundamental shape/aspect decided
- \* Spend a lot of time on final drawing: make several attempts.
- \* Use cross hatching to suggest depth/layers
- \* Shadow/toilet mat
- \* I dislike ribbons of tone: step numbers are enough to show flow, as is page composition.

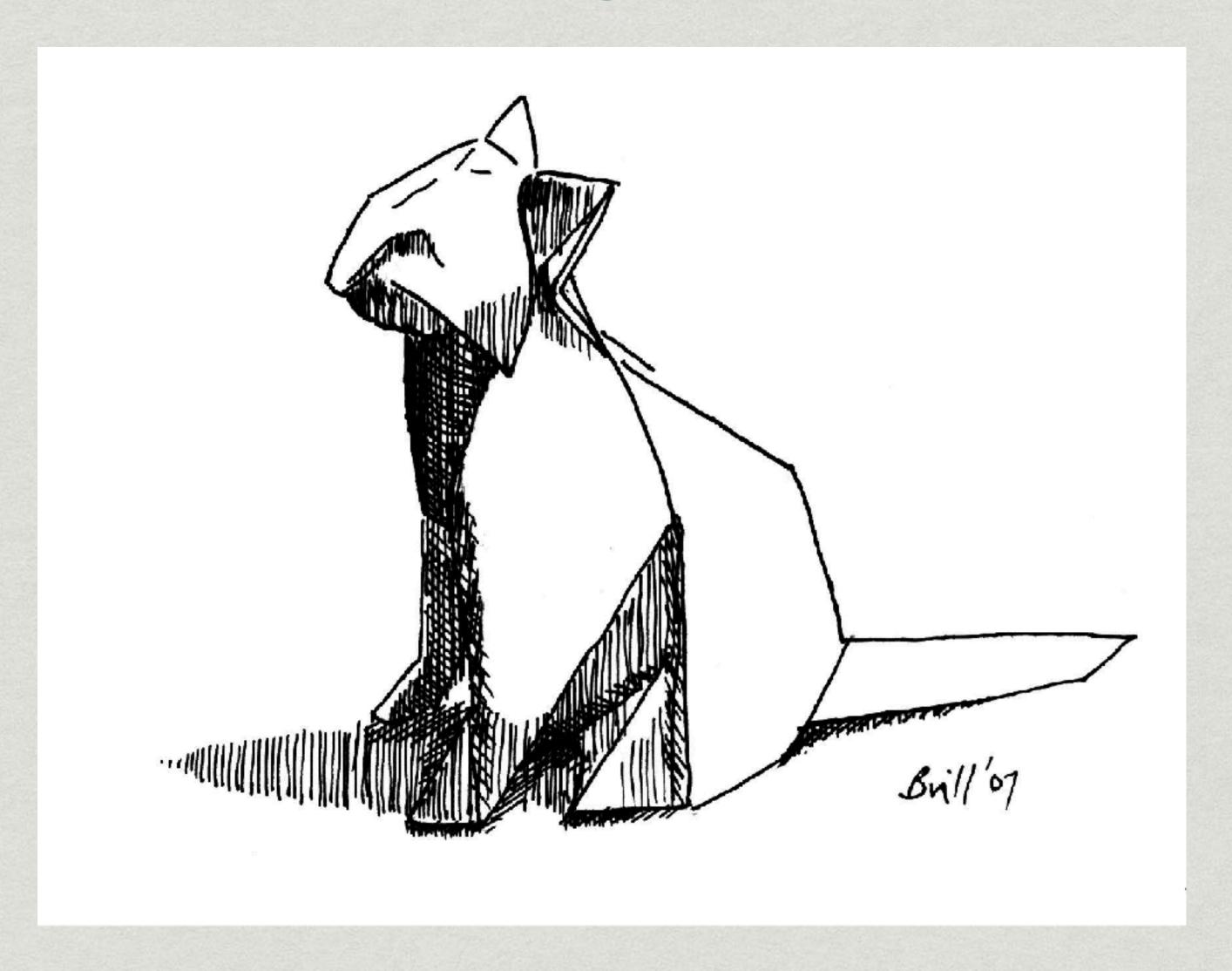
# First pencil drawings

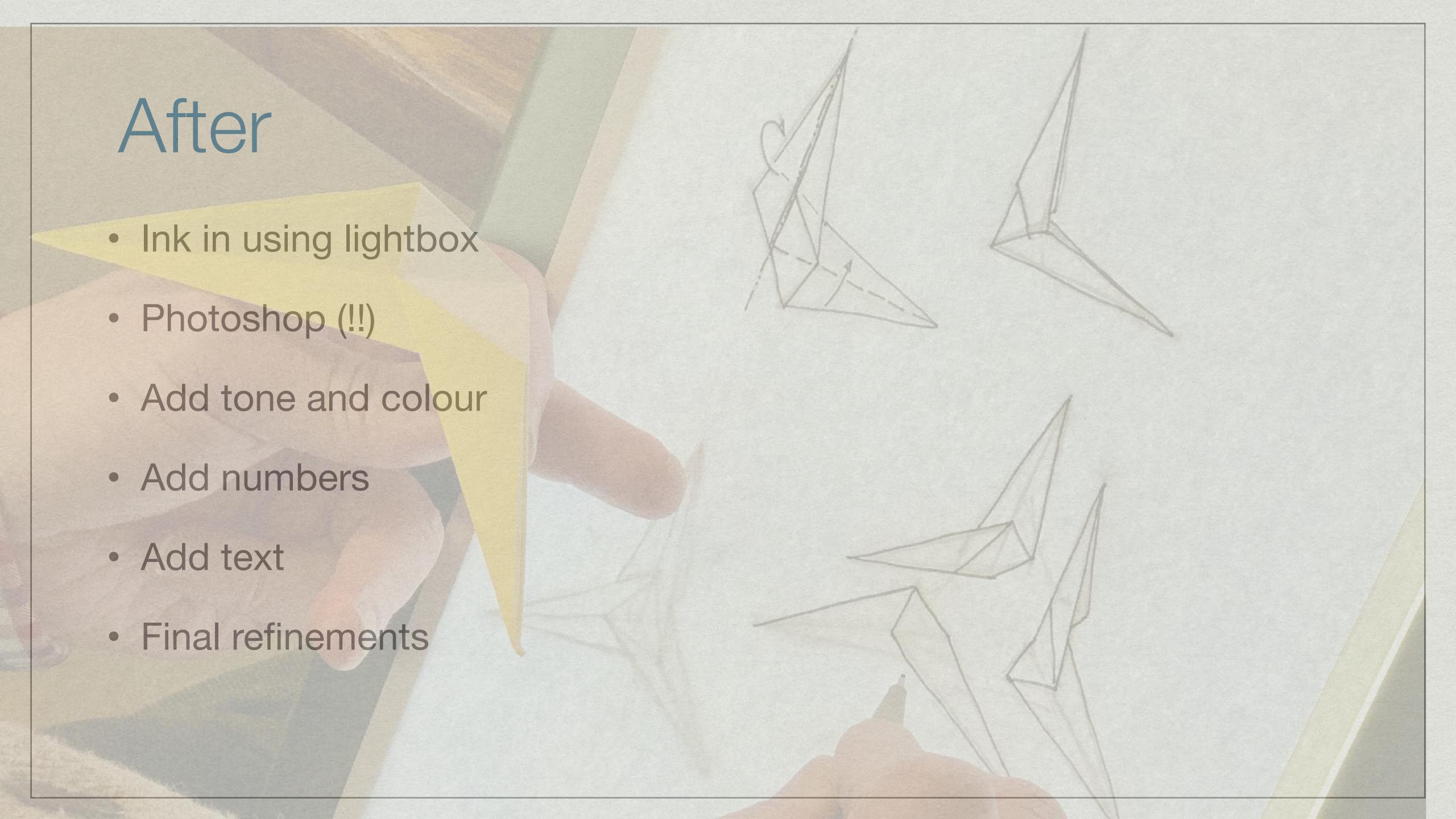




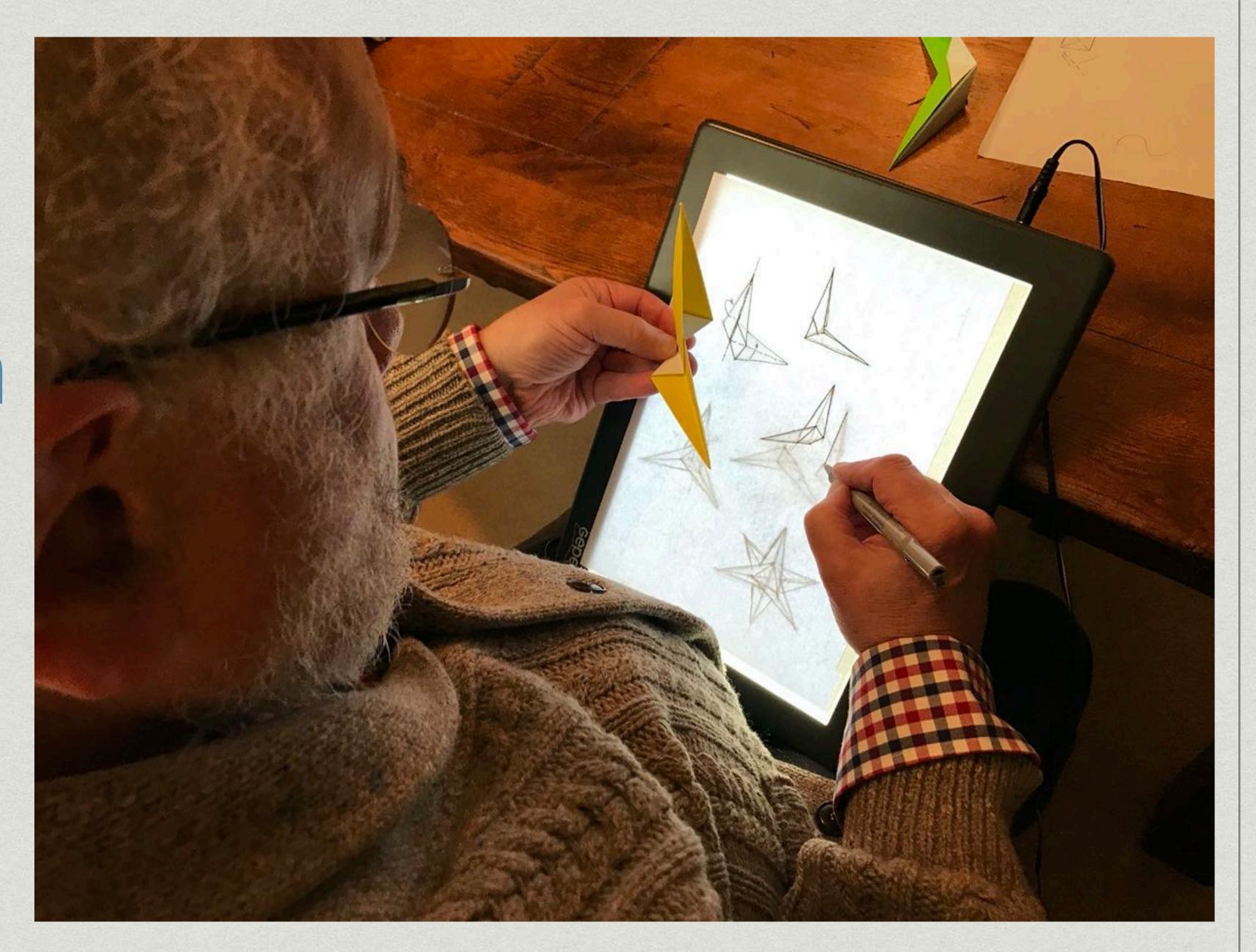


#### Cross-hatching and toilet mat

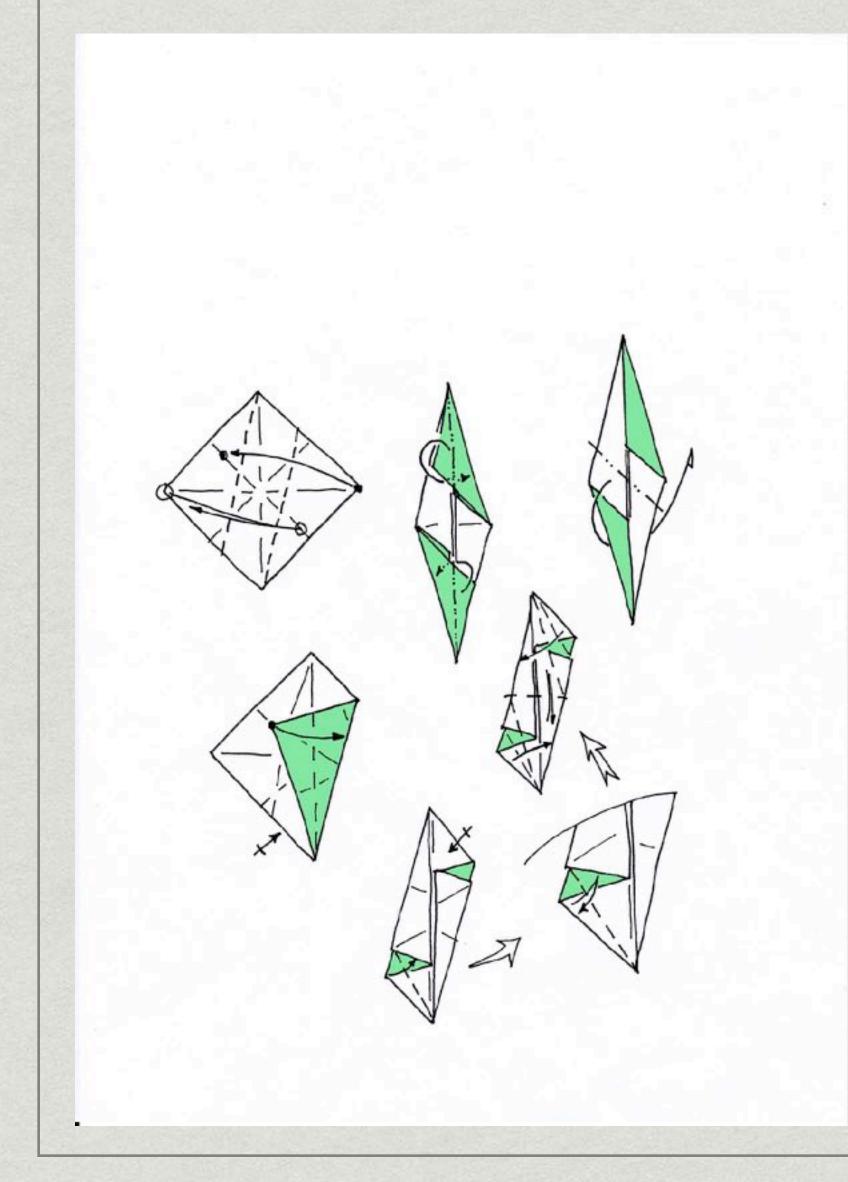


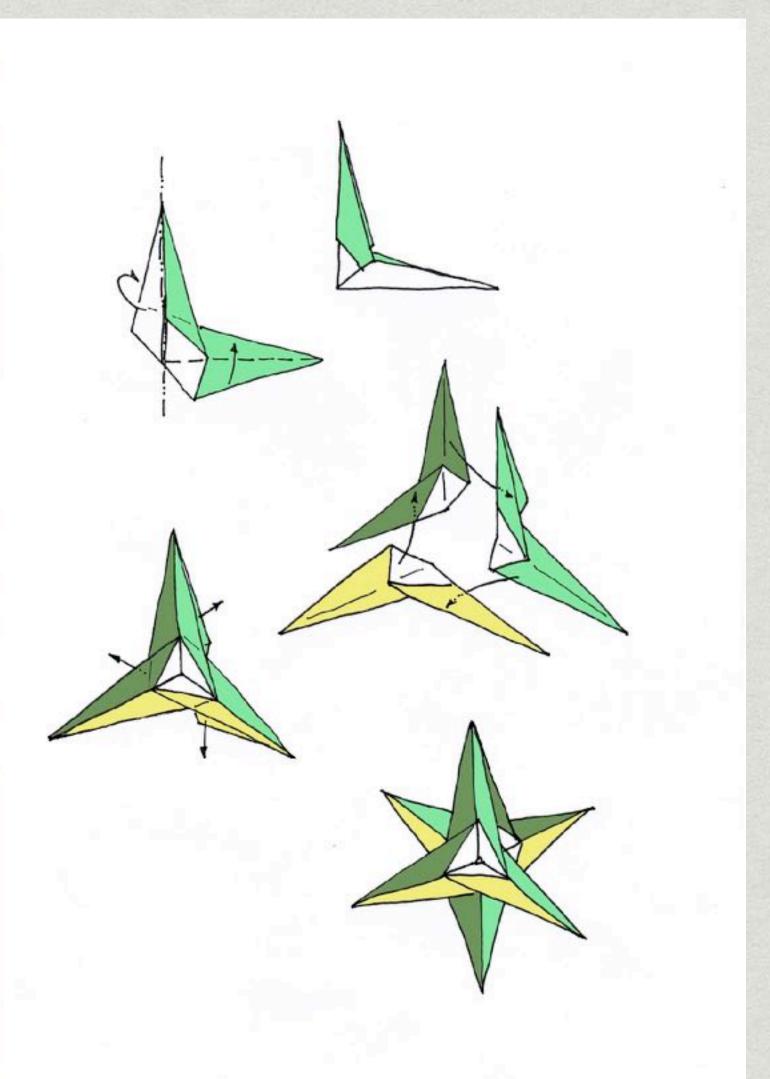


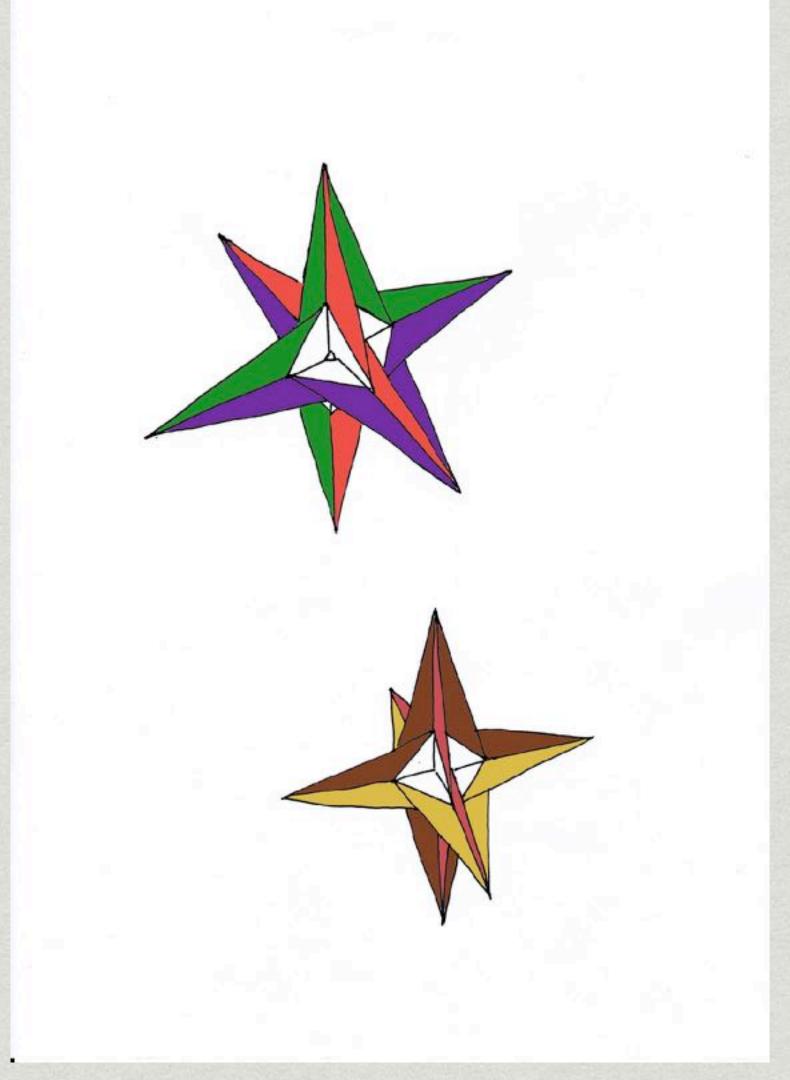
Inking in with lightbox



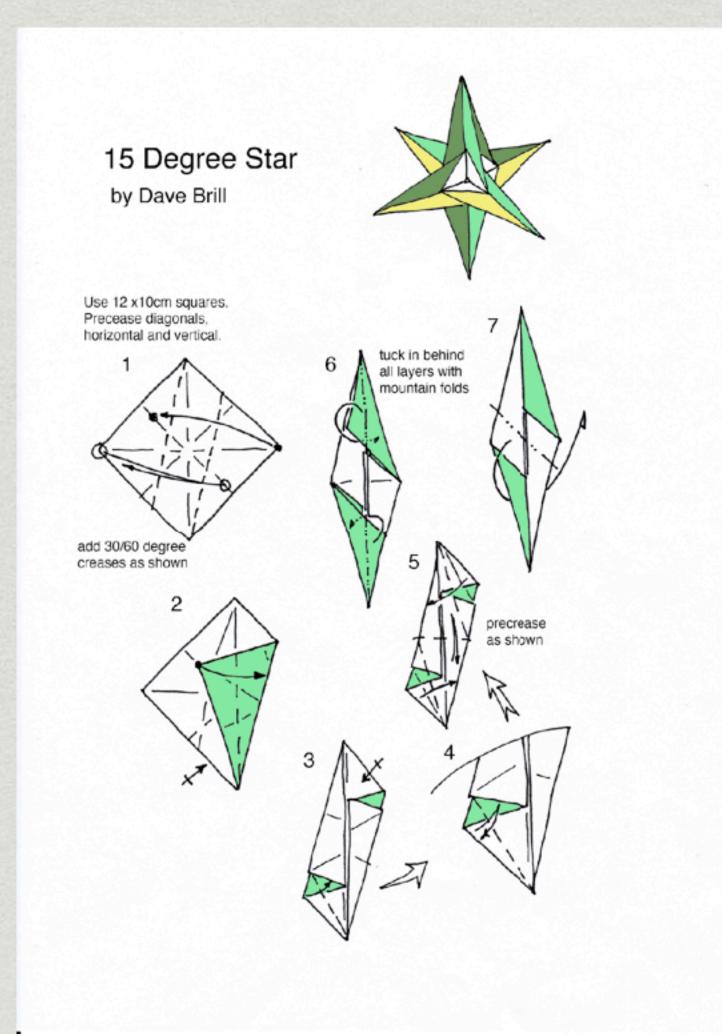
#### Inked and coloured drawings

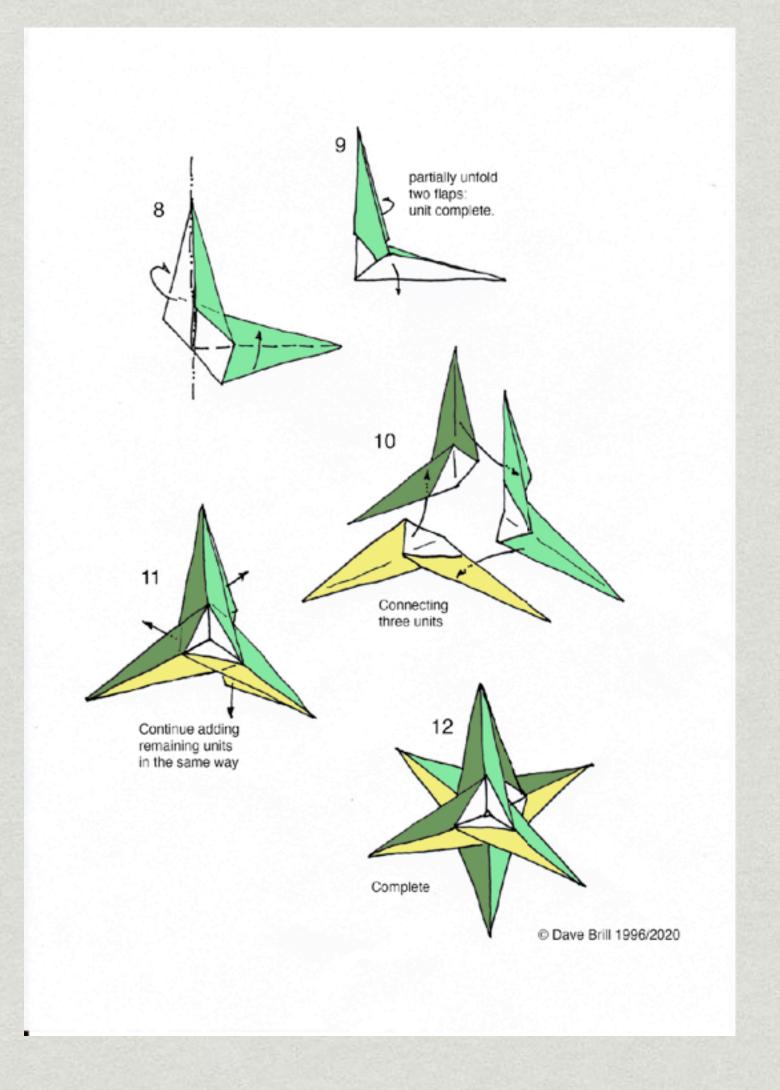




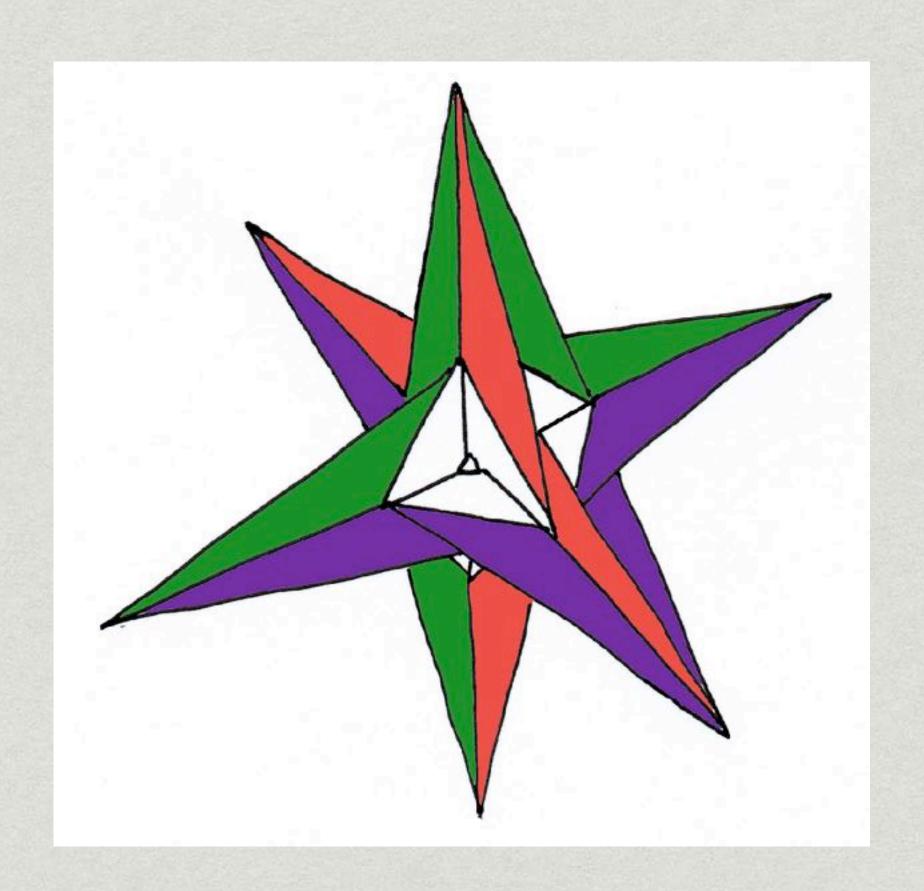


#### Final drawings complete





#### 15 degree star

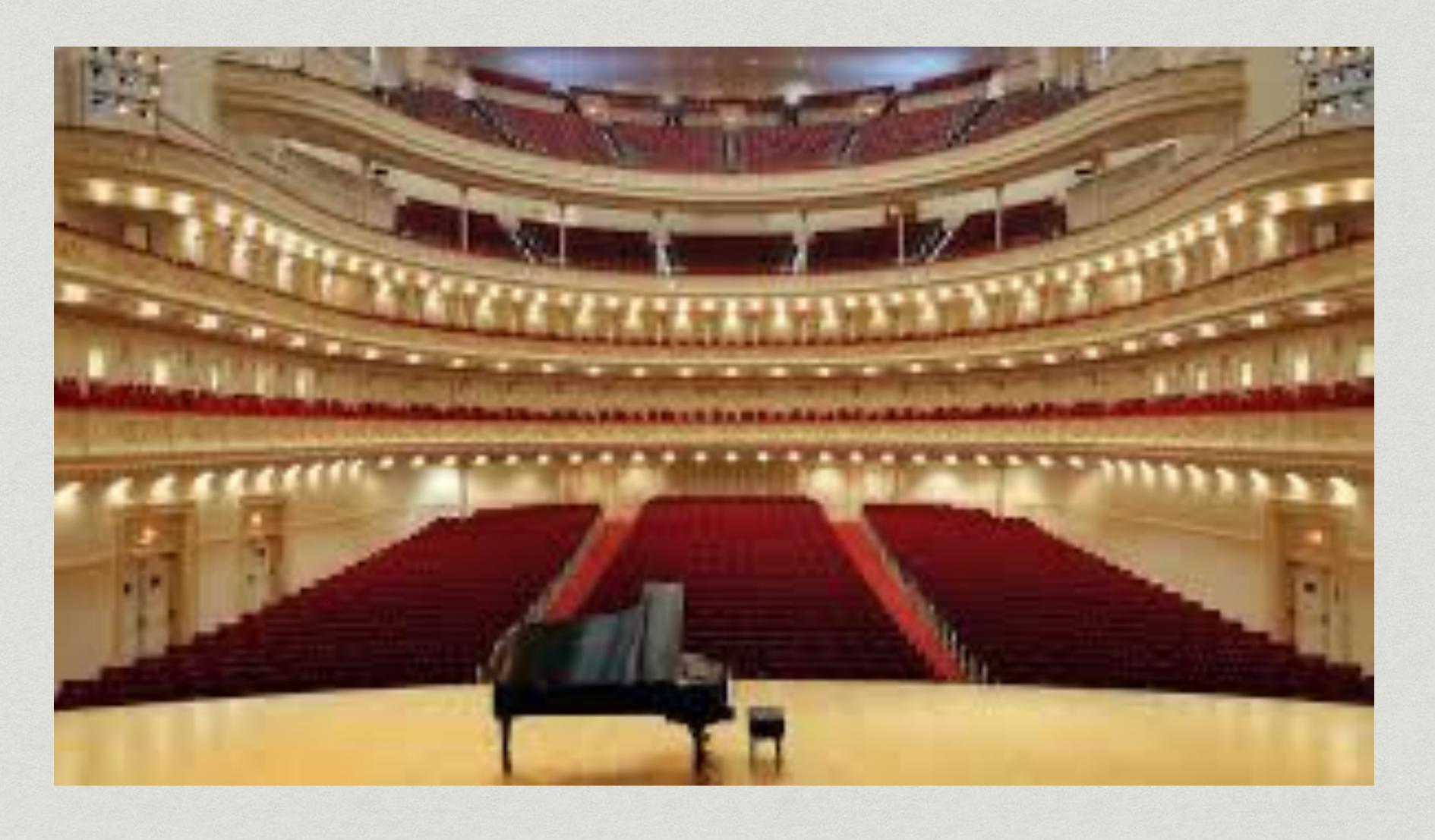




https://vallebird.files.wordpress.com/2020/02/15-degree-star.pdf

\/\/hat's
this?





Do you know how to get there...?

Practice



practice...



...practice!



