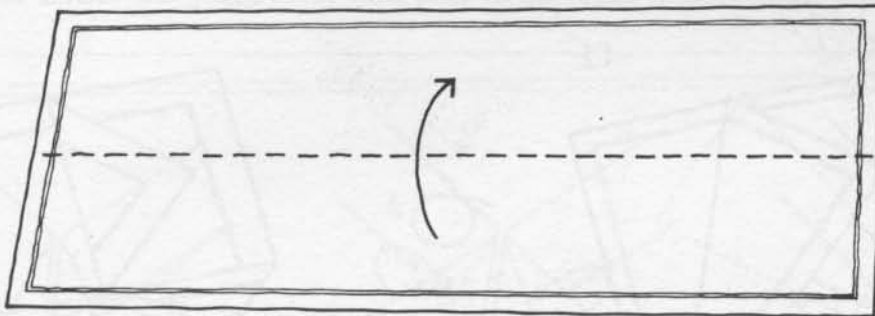


FLUTTERING BUTTERFLY

A bill is folded into a butterfly and held by the thumb and forefinger. When blown upon, the wings flutter and the butterfly flies about.

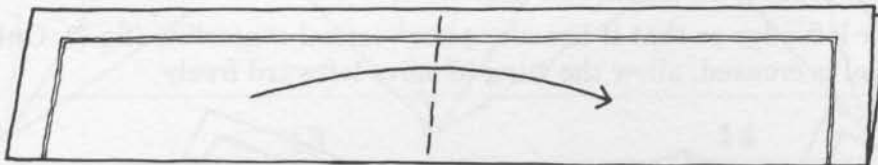
Construction

1. Place the bill face down and upside down. Fold the bottom edge to the top edge (fig. 1).



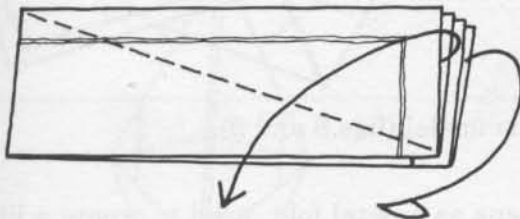
1

2. Fold the left edge to the right edge (fig. 2).

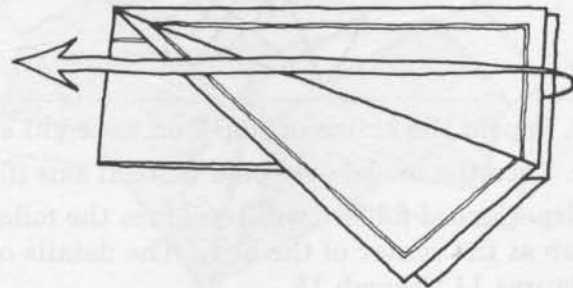


2

3. Fold only the near layer of the upper right corner as far as it will go on a diagonal. Repeat behind with the far layer (fig. 3).

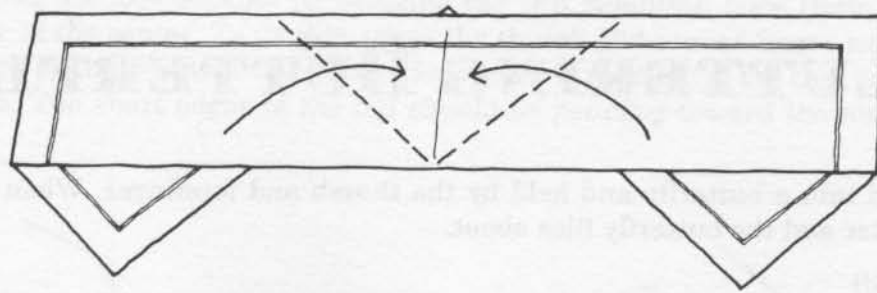


3



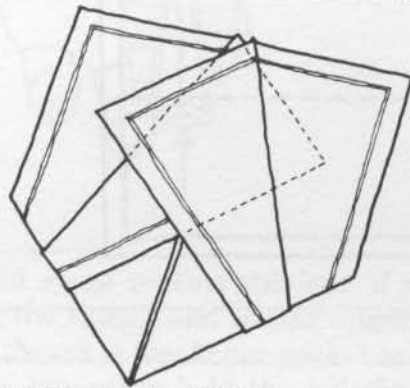
4

4. Unfold the upper two layers of the bill back to the left (fig. 4).

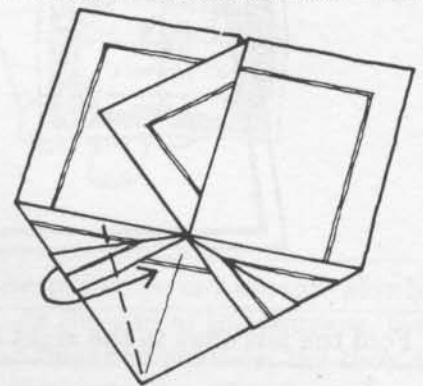


5

5. Fold the left and right bottom edges up so that they meet along the center crease (figs.5 and 6).



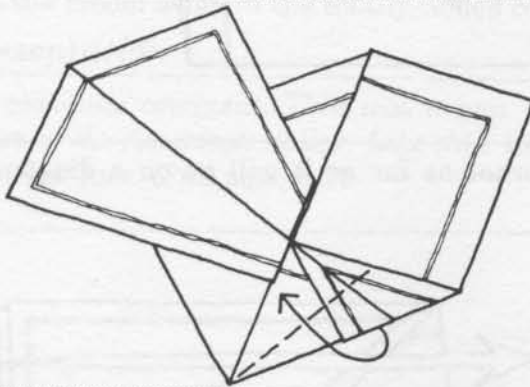
6



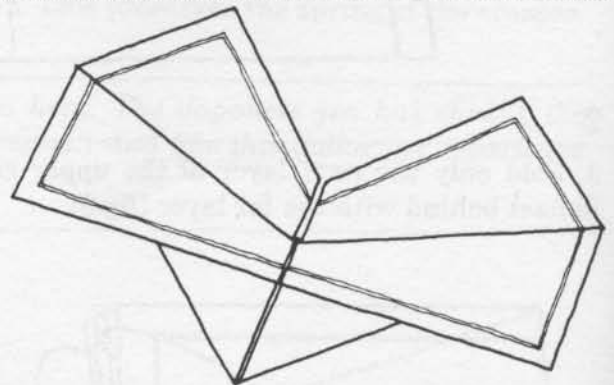
7

6. Turn the model over on a vertical axis (fig.7).

7. Fold the lower left edge so that it lies along the vertical centerline (fig.7). Only the upper layer of the model is creased; allow the wing to move leftward freely.



8



9

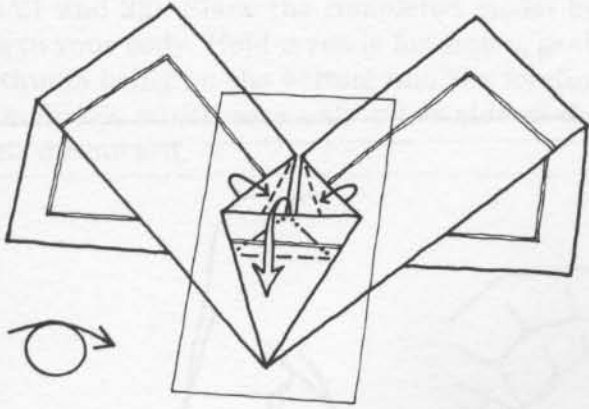
8. Repeat the action of step 7 on the right side of the model (figs.8 and 9).

9. Turn the model over on a vertical axis (fig.10).

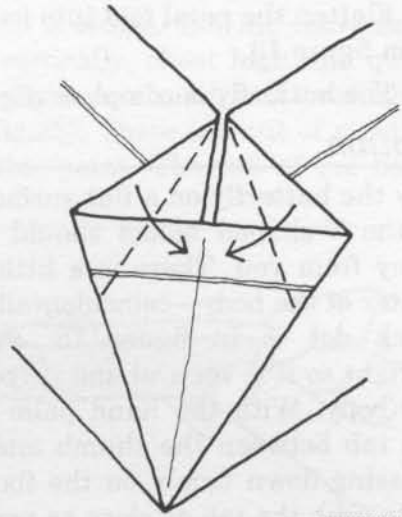
Experienced folders will recognize the following steps as a petal fold, used to create a little tab at the center of the body. The details of this sequence are shown in magnified views in figures 11 through 15.

10. Fold the upper edges of the kite-shape to the vertical centerline (fig.11).

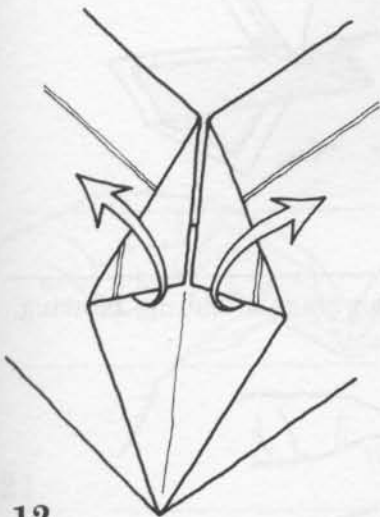
11. Unfold the two small flaps (fig.12).



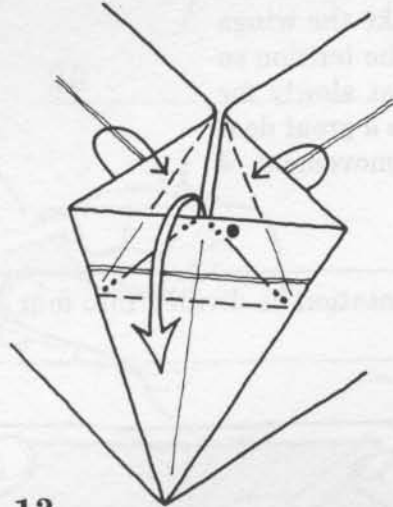
10



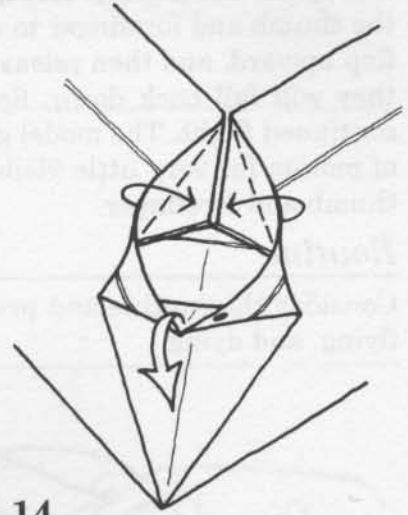
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12

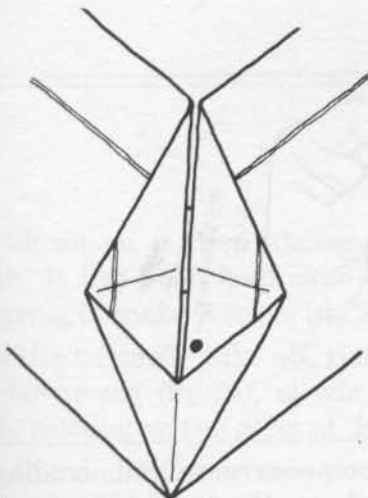


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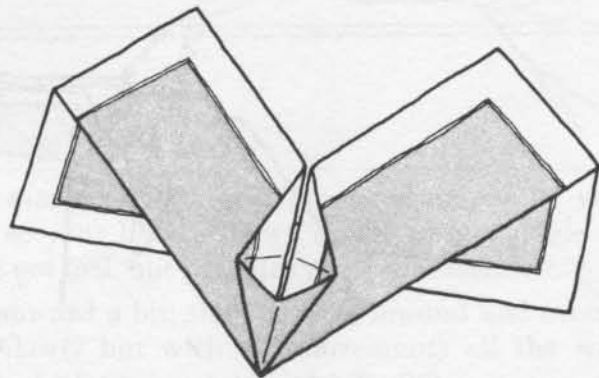


14

12. Pull down the near raw edge (fig.13). The upper edges of the kite will automatically be drawn once again toward the centerline (fig.14).



15



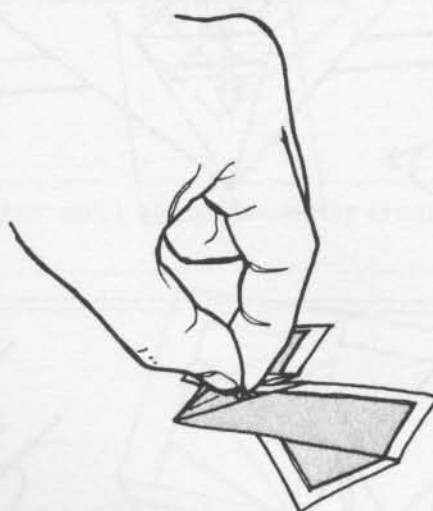
16

13. Flatten the petal fold into its final shape (fig.15). Note the new position of the black dot from figure 13.

14. The butterfly is complete (fig.16).

Motion

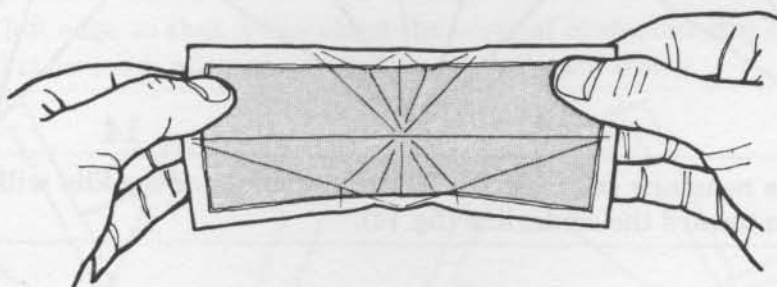
Lay the butterfly on a flat surface. The ends of the V-shaped model should be pointing away from you. There is a little tab at the center of the body—coincidentally where the black dot is in figure 15. Pull the tab upright so it is vertical and perpendicular to the body. With the hand palm down, grab the tab between the thumb and forefinger, pressing down firmly on the flat surface so as to grab the tab as close as possible to the rest of the bill (fig.17). Lift the model. Pinch the thumb and forefinger to make the wings flap upward, and then release the tension so they will fall back down. Repeat slowly for continued flight. The model gets a great deal of motion for very little visible movement of thumb and forefinger.



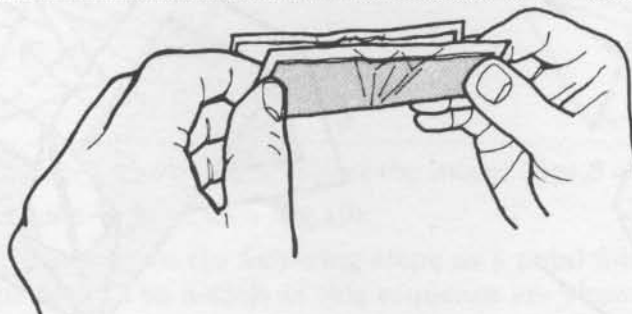
17

Routine

Consider the routine and presentation as divided into four action stages: folding, blowing, flying, and dying.



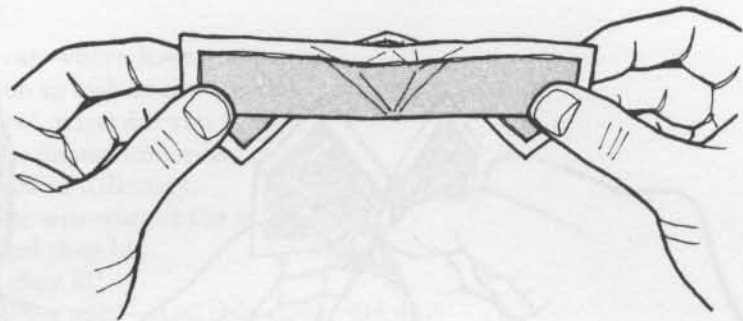
18



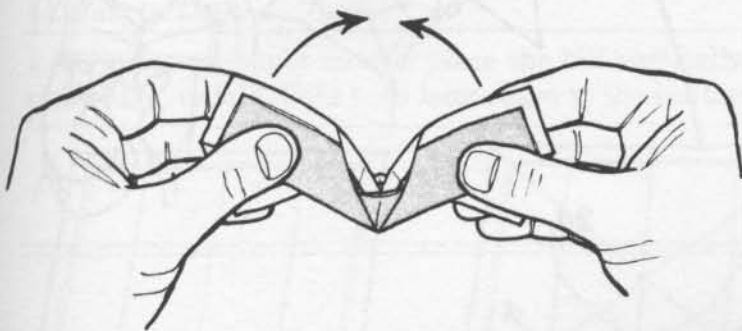
19

Fold the model. This is done in three quick moves with a pre-creased bill: holding it between the two hands (fig.18), fold it in half on the horizontal axis (fig.19); fold both wings

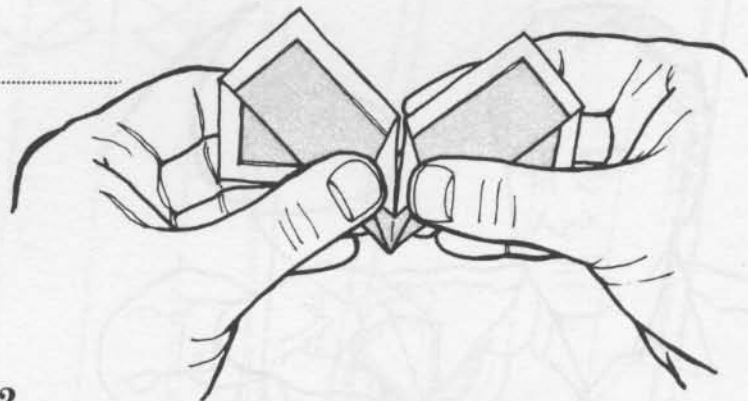
at the same time (fig.20); and make the body-and-tab with a single, flowing movement (figs.21 and 22). Show the completed model by holding it vertically, chest high and quite close to your body. Hold it ready for action, grabbing the tab between thumb and forefinger, the thumb being on the bottom and the forefinger on top (fig.23). These are out of sight of the audience which sees only other side of the model at this point. The tail of the body points downward.



20



21



22

Blow down on it from above, three times, making the wings flap as if moved by your breath. It has been held close to the chest so your breath blows at the proper angle for appearing to make it move (fig.24). This does not fool, but provides poetic amusement.

Make the butterfly take off, rising straight upward a bit, then circling around and around and downward (fig.25), slowly, fluttering (slowly but with big movement) all the way, finally settling on the palm of the other hand which is at waist height (fig.26).

Have the model flutter once or twice, very slowly, on the palm. Unfold the bill entirely and put it away.

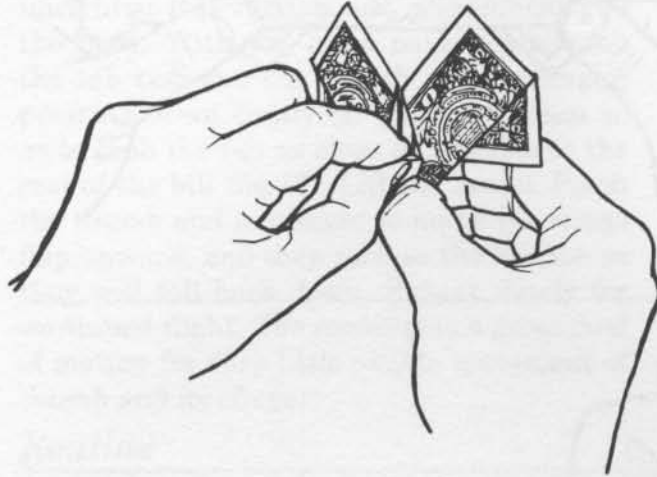
Presentation

Fold the model. *"Paperfolding is a way of bringing paper to life."* Hold it up. *"So a dollar bill gains the shape of a butterfly."*

Blow on the model. *"And blowing on it gives movement."*

Fly the model. *"The paper lives."* Land it. *"But a butterfly does not live very long."*

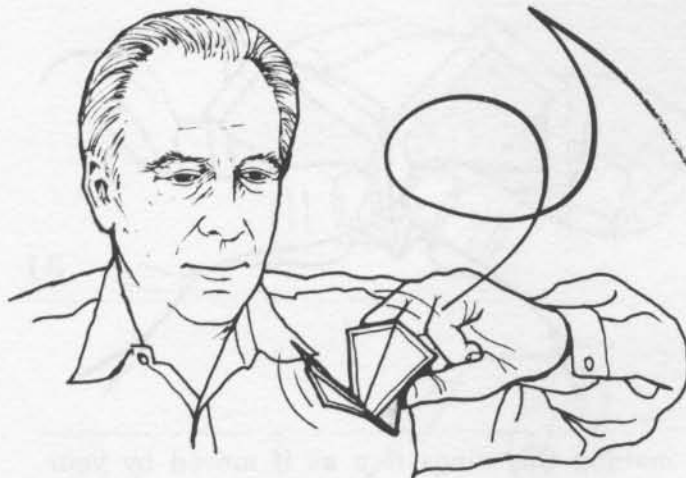
Unfold the model. *"Especially when made from a dollar bill."* Put the bill away.



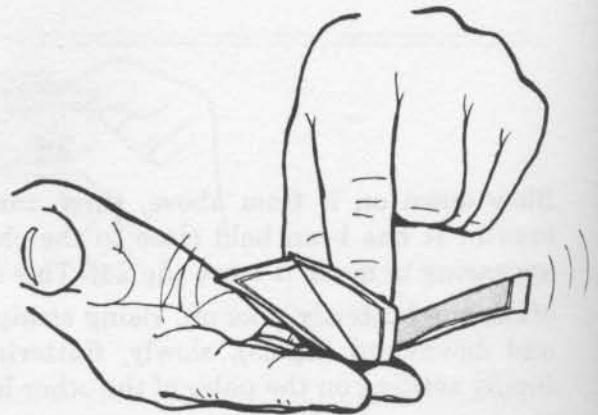
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24



25



26