

WORK AND PLAY SECTION

FOLDING A FLAPPING BIRD

By DAVID BERGAMINI *

THE FIRST STEP in folding a paper bird that flaps its wings is to take a square piece of paper which is stiff (but not too stiff) and fold it from corner A to corner B. Then unfold it so as to leave a crease. Do the same from corner C to corner D (Figure 1, page 294), and also unfold it so as to leave a crease. There will now be two creases in the paper, as shown in Figure 1 by the dotted lines.

Next, fold the paper across the middle from E to F and from G to H (Figure 2). Unfold each so as to leave a crease. Your paper should now have creases as shown by the dotted lines in Figure 3 on page 294.

Then fold one corner over so that one side of it runs along the crease from corner C to corner D (Figure 4). Repeat this all the way around the square, folding it in all eight times. (Count the folds as you make them.) Each time bend back the fold so that there are only creases. Your paper should now be creased as indicated by the dotted lines in Figure 5.

Now take hold at angles D and C (Figure 5) and push in toward one another as shown in Figure 6. Next, pull up the two ends together so the paper looks like Figure 7. Then fold down

angles A and B (Figure 5) in the same way.

At this point your paper looks somewhat like a four-pointed star (Figure 8). Now push the four points upward; the four angles should go inward, and the center should be pushed down, so that the paper is just four flaps sticking out from the center. Looking at your paper from the side, it should appear like Figure 9.

The next step is to fold the four flaps down, thus making a flat piece of paper. When you fold the flaps down, be sure

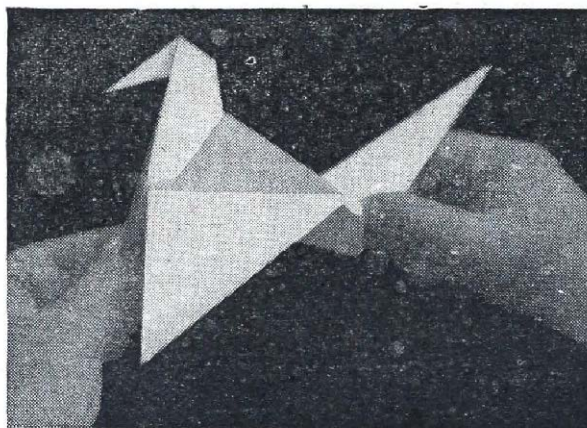
that there are two flaps on each side. Your paper should then look like Figure 10.

Then fold flap A up over the body; do the same with the flap like it on the other side, as shown in Figure 11. The next step is to take two of the

flaps (marked C and D in Figure 11) and bring them up together. Now fold down again flap A and the flap like it on the other side. Then your paper will look like Figure 12.

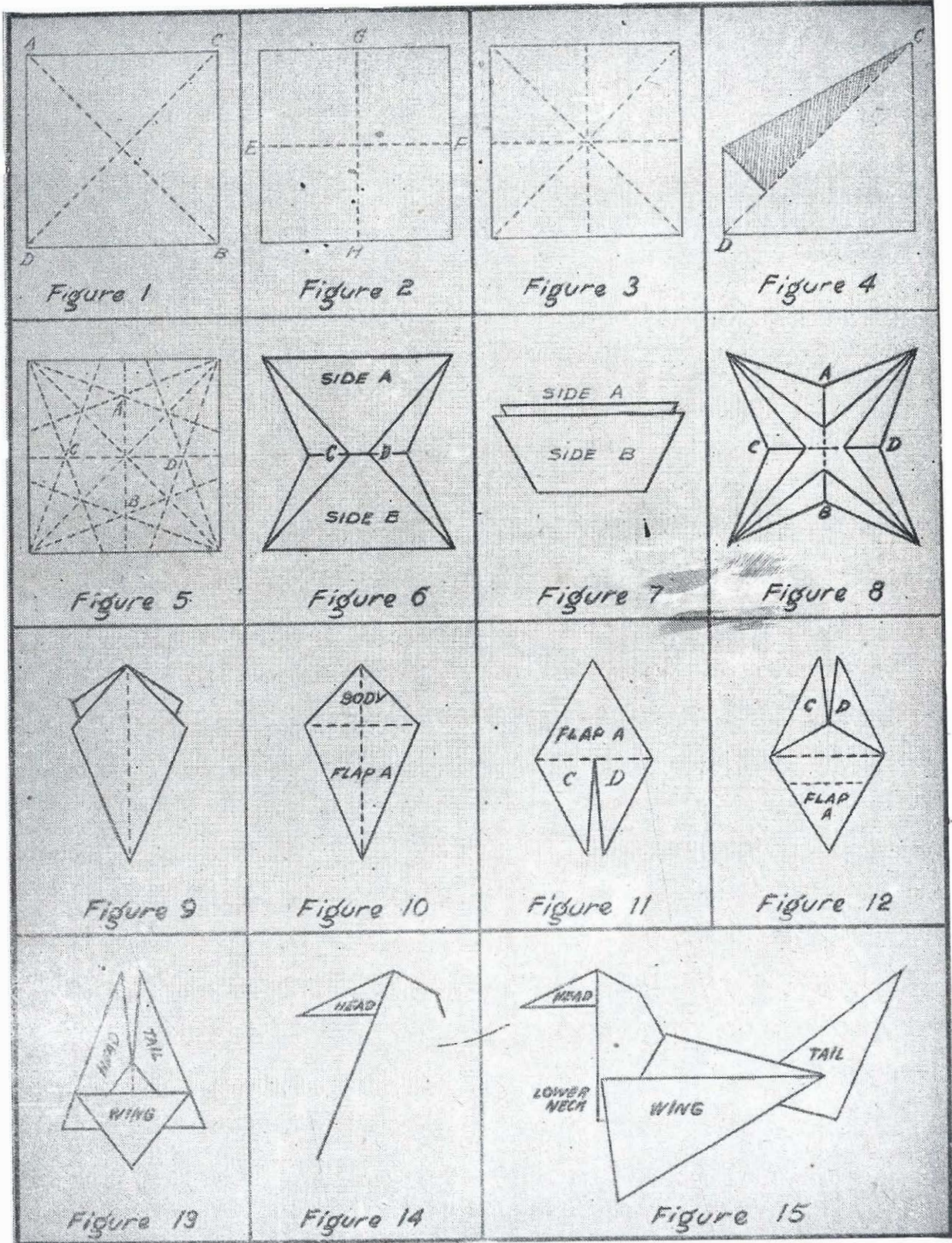
The rest of the process is quite simple. First you must bend upward the flap marked "wing" in Figure 12. Then bend the flap on the other side in the same way. The paper should be folded exactly in the middle, so that instead of a diamond-shaped paper, you have a triangle. Then bend both wings down

(Please turn to page 303.)



*Student, Brent School, Baguio, Mountain Province.

The figures on this page show all the steps described for folding a flapping bird.



SINGING CLUB

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ing list to fill vacancies which will occur from time to time. So she chose 45 of the best singers, and made a waiting list of ten more.

We meet two times each week—Tuesday night and Friday night—from 7:30 to 9:00 o'clock. Our teacher has a number of High School Chorus Books and we learn to sing well many songs from these. Each group practices their part separately, and then we all sing together. We have now learned about twelve very good songs. As soon as we have enough songs learned, we are going to give a concert.

At each meeting of our club we always have a few visitors who like to hear us sing. Some of these are good singers, and they join in with us in singing some of the selections.

We all enjoy our singing club very much, and hope that other schools will follow our example.

DAY AT ASIN

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had eaten until it was impossible to take another mouthful, we sat down to rest a little while.

After about an hour of resting, into the water we

THE FLAPPING BIRD

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again at the lower dotted line, as shown in Figure 13.

Now take the head and fold it down into itself, as shown in Figure 14. The last step is to pull the tail down so that it slants outward as shown in Figure 15.

The flapping bird is now folded, but you must know how to make it flap its

LEARNING TO SKATE

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arm in arm.

We go to the skating pavilion each Saturday evening, and enjoy skating very much. Sometimes we have a skating party, and then we all have a very happy time.

Skating is good exercise, and affords a very happy pastime. I think all boys and girls should learn to skate. It is much easier to learn than I thought before I tried it.

went again. How we did enjoy it! We splashed, and dived, and swam just as long as we wished. About four o'clock we began to dress and get ready to go home.

On the road home we talked and laughed and sang songs. Everybody agreed that our day at Asin had been a great success.

wings. All you have to do to make it move is to hold the part marked "lower neck" and pull its tail. This will make the wings go down. Let go the tail and the wings will go up. The bird may require a little loosening up before it flaps satisfactorily.

This is quite an amusing toy and is a good example of paper-folding. It is not so difficult to make as it sounds when you first read these instructions.

ARRANGING NUMBERS

So far THE YOUNG CITIZEN has received three different correct solutions to its Arranging Numbers Puzzle published in the July number. One of the solutions had the numbers arranged thus:

8	1	6
3	5	7
4	9	2

Little Josefa Pascua, age 10, of the Puzol Barrio School, Pinili, Ilocos Norte, sent in the first correct solution. Others who have sent in correct solutions: Noime Gutlay, Corazon Cera, and Federico Quinto, all in Grade VI-3 of the Mangaldan Elementary School, Pangasinan; Filipina G. Bumagat, Grade V, of the Burgos Elementary School, Ilocos Norte.