

the birds developed from reptiles. As the development was undoubtedly gradual, we should expect to find forms possessing the characters of both groups."

The discovery of the *Archæopteryx* was a brilliant fulfillment of Huxley's prediction, based on comparative anatomy, that the groups of birds and reptiles would be found to be confluent in origin.



Fig. 4.—DEVELOPMENT OF THE FROG.

1, 2, 3, eggs; 4, young immediately after hatching; 5, tadpole with external gills; 6, 7, 8, 9, 10 and 12, further stages of development; 12, frog fully developed.

The Frog.

Figure 4 is given at this time as a suggestion and an aid to the study of the frog.

The study of this animal at this particular

time of year, if properly carried out, forms a most interesting subject for all classes.

Hatch the eggs in school in large jars filled with brook water, and watch the young develop from day to day. If care is taken to change the water frequently they can be easily kept till the end of the term.

The history of their development from week to week will serve as good topics for composition exercises.

Rake the bottom of ponds for toads' eggs, and treat in the same manner. The development of the toad is much more rapid than that of the frog.

Salamanders are also interesting. The young retain their external gills for months. Their eggs are to be found at this time of year. See Hodge's "Nature Study and Life."

[The cuts used in this article were supplied by Messrs. Ginn & Co., Boston, Mass. Fig. 2 from "Elements of Geology," Norton. Figs. 2, 3 and 4 from "General Zoology," Linville and Kelly.]

A RED CROSS APPEAL TO THE FARMERS.

Our country with its allies, is waging a great war for justice, for the protection of small nations in the enjoyment of their rights, for continued and growing freedom, and for the maintenance of its pledged word of honour. Much destruction and desolation are being caused. Lives are being lost by the thousand. Canada's first contingent is now in the thick of it. Some will fall sick; many may be wounded; some will pay the last full measure of devotion to their country and its cause.

The Red Cross Society exists to succor the sick and wounded in war. It needs more money to provide more beds at hospitals in Great Britain and France; It needs more money to pay more Red Cross nurses; it needs more money, and more things made by women, to supply to clearing hospitals, base hospitals and recovering hospitals.

I appeal to farmers to send me sums from \$1.00 to \$50.00, during the first week in May. Every \$50.00 provides one additional hospital bed with the giver's name over it. By sending me about \$10,000, you would serve your country well, bring credit to yourselves and make all of us very proud of you. For the sake of the wounded boys, make the gift substantial. It will be an investment towards the recovery of some Canadian soldier who stood in our stead that our cause might be upheld.

Faithfully your friend,

JAS. W. ROBERTSON, Chairman,
Red Cross Society at Ottawa.

The flag represents to you a great honor and a great privilege. It reminds you that you are "Citizens of no mean city."—Lord Rosebery.