

FOR PROTECTION OF THE SWALLOW

Department of Agriculture Shows
Why These Birds Should
Be Increased.

WHOLE COUNTRY INTERESTED

Importance of Nature Study Recognized by Faculty at University and Emphasized by Govt. Appeal.

One of the latest bulletins, April 27, 1907, issued by the department of agriculture, concerns the whole people rather than any one class. It emphasizes the actual necessity that is now before the nation of requiring that nature study shall be taught in the schools.

The bulletin referred to explains that insect eating birds are not only of immense value to the farmer, but that their protection is now believed to be necessary to the protection of any country. Thirty-eight species of birds, for example, are now known to feed upon the cotton boll weevil. Prominent among these are the several species of swallows. The object of the publication is to ask for the co-operation of citizens of the northern states, where these birds chiefly nest, in an effort to increase their numbers. A summary of the bulletin follows:

Swallows may be increased in number by enforcing the laws for their protection and by providing them with additional accommodations for nesting. These steps are necessary, however, not sufficient. It is very important that all of the swallow tribe nesting in the northern states and migrating through the cotton belt be increased to the limit, more particularly since late years a steady diminution of their numbers has been noted.

THE SWALLOW.

The tree swallow, as is well known, has been persecuted by the English sparrow until it has entirely abandoned many districts where formerly it abounded. Efforts are being made to reduce the number of sparrows and to protect from invasion the boxes put up for the occupancy of swallows. It is difficult to see how the tree swallow can recover its old territory from which it has been driven, or even long hold its present area. An energetic war on the English sparrow and the careful protection of the swallow dwellings a few years would result in a complete change of the situation, so far as this one of the most beneficial of the swallow tribe, is concerned.

BARN SWALLOW.

The barn swallow formerly was abundant throughout the northern states, especially in New England. The tightly built modern barn, however, no longer invites the presence of the barn swallow by affording it friendly shelter, and the birds are becoming scarcer and scarcer. To provide openings in modern barns and to encourage the presence in them of colonies by providing convenient nesting sites are easy and effective methods by which this beautiful species may be greatly increased in numbers. This bird also requires protection from the English sparrow, which in one foray has been known to kill the young and destroy the eggs of a large colony.

BANK SWALLOWS.

The well-known bank swallow, as its name implies, nests in sand banks in holes of its own digging. Some farmers in the northern states take special pains to protect their colonies of bank swallows from the marauding boy and the prowling cat. Some even employ men to excavate suitable banks on their farms and devote them to the exclusive use of the swallows. Gravel and sand banks are to be found throughout the north, especially in New England, that at trifling expense the number of colonies of bank swallows may be vastly increased, to the advantage of every farmer north and south, and to that of every nature lover as well.

CLIFF SWALLOWS.

The curious pouch-shaped mud structures of the cliff swallow, attached to the face of cliffs, are a sight familiar enough in the northern and western states, but in the cotton states, save Texas alone, they are wanting. The bird that makes them being exclusively a migrant. The English sparrow persecutes also the cliff swallow; hence, in the north, the bird is much less common than formerly. Under the mistaken idea that cliff swallows are not desirable neighbors, the nests, especially when near houses, are often destroyed and the birds driven away. All birds are more or less subject to parasites, especially when nesting, but the parasites are not bed bugs nor the kinds obnoxious to man, and no one need banish the swallows for fear of trouble from this source. In Germany the presence of swallows around houses is so much desired that artificial nests made of clay or other material are put up in order to attract birds by saving them the labor of constructing their own dwellings.

PURPLE MARTIN.

This is the largest, most beautiful, most local, and least numerous of our swallow tribe. This fine bird is steadily diminishing in numbers. The English sparrow often takes possession of its boxes, ruthlessly kills the young martins or throws out the eggs, and usually succeeds in routing the colony and appropriating the nests. When measures are not taken in the immediate vicinity of martin colonies to abate the sparrow nuisance, the martins are forced to abandon their homes. The putting up of bird boxes is recommended, and as the houses can be raised by hand without serious difficulty, it may prove easier to start the new colony with nestlings alone, feeding them on meal, worms, grasshoppers, and the like. Six or eight pairs can well be spared from a strong colony without unduly weakening it. This method promises well, and if the experiment can be tried from year to year, even on a small scale, a gradual increase in the number of martin colonies is likely to result and new centers of distribution to be formed.

From the standpoint of the farmer and the orchardist, perhaps no birds more useful than the swallows exist, they have been described as the light cavalry of the avian army. Specially adapted for flight and unexcelled in aerial evolutions, they have few rivals in the art of capturing insects in mid-air. They eat nothing of value to man, except a few prodigious wasps and bugs, and in return for their services in destroying vast numbers of noxious insects ask only for harborage and protection. It is the fact that they capture their prey on the wing that their peculiar value to the cotton grower is due. Ordinarily no royal service in catching weevils, on the whole, and blackbirds, wrens, flycatchers, and others contribute to the good work; but when swallows are migrating over the cotton fields they find the weevils flying in the open and wage active war against them. As many as 47 adult weevils have been found in the stomach of a single old swallow. What may be termed the interstate relations of birds are not always as simple as in the case of the swallows.

Some birds are most desirable summer residents of northern states, but when migrating greatly damage certain crops in the southern states. Not so with the swallows. Their beauty, their graceful flight, and their sociability insure them a welcome everywhere and endear them to every lover of nature. Their esthetic value, however, great as it is, is not so important as their economic worth, so constant and effective is the warfare they wage against the insect hosts which but for them and other avian benefactors would render successful agriculture impossible. To the southern states may safely be entrusted the duty of protecting and augmenting in every possible way the numbers of resident birds that prey upon the boll weevil. But it is for the northern states to aid the good work so far as lies in their power. An enthusiastic patriotism knows no state boundaries. The insect enemy of the farmer of either district is the enemy of the common weal, and only from co-operation can come a full measure of success.

TEACHERS' SUMMER COURSE.

It was the intention to close this series of articles with a statement of what is being done in nature study in the schools of other states. But the foregoing subject of more importance is presented so that only a brief reference will be made here to nature study. The faculty of the university summer school has decided that two courses shall be given in this subject during the present season. That it shall likewise be taken hereafter with a credit of three hours per week through the year by all fourth year normals is a decision of the university faculty as a whole. The work to be given in the summer school may be briefly outlined as follows:

The fundamental principles of the natural sciences will be developed and illustrated by simple experiments, home-made apparatus, and convenient field lessons. Special work will be given in elementary agriculture and the school garden, and in weeds, wild flowers, etc.

Students may take one or both courses—only one laboratory period will be required of students who take both courses. Credit for either course, two hours; for both courses, three hours. Course one is primarily for teachers in the public schools who take the course. Text book, Gaye—"The Great World's Farm," printed lesson sheets issued by the state normal school; and certain bulletins from the department of agriculture at Washington.

The aim here will be to take the class through a course of study and practice that will prepare them to teach by the laboratory method the nature work that should be given in the lower grades of the public schools. Course two is primarily for teachers in the public schools who may have charge of grades 6 to 8 inclusive.

Text book, Goodrich—"First Book of Farming." The aims in this course will be: (1) to take the class through a course of study in elementary and practical agriculture, with illustrative exercise in the state normal school garden; (2) to illustrate the teaching of fall weeds and wild flowers and of native and cultivated spring plants, as

class room exercises for grades 5 to 8 of the schools, with references to the work of insects, birds, and other native animals; (3) to represent the topics for winter study in the schools—heat, weather, and soils—both as a course and as a method for school work in the grades.

These changes in the attention now given to courses in nature study indicate the increasing favor with which the subject is being received in our own state; but what precedes must prove beyond question the financial value to the country as a whole that will result from systematic instruction in the common schools upon such topics as birds, insects, weeds, etc., hitherto treated in these outlines.

J. H. PAUL.

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Succeed the first time use Herbine and you will get instant relief. The greatest liver regulator. A positive cure for Constipation, Dyspepsia, Malaria, Chills and all liver complaints. Mr. C. M. of Smoky, Texas, writes: "My wife has been using Herbine for herself and children for five years. It is a sure cure for constipation and malaria fever, which is substantiated by what it has done for my family." Sold by J. H. M. Drug Dept., 112 and 114 South Main Street.

Gems From "Success Magazine."

Scarcely anything seems impossible to the man who can will strongly enough and long enough.

A home without books, periodicals and newspapers is like a house without windows.

The chances are that what you call "hard luck" or "fate" that is against you, is some weakness, some vicious habit, which is counteracting all your efforts and keeping you down.

The strength of will is the test of a young man's possibilities.

Directed toward the enjoyment of the senses, the strong will may be a demon, and the intellect merely its debased slave; but directed toward good, the strong will is king and the intellect is then the minister of man's highest well-being.

There is a divinity in the meanest man, a philanthropist in the stingiest miser, a hero in the biggest coward, which an emergency great enough will call out.

Every man stamps his own value upon the coin of his character in his own mint, and he cannot expect to pass for more, and should not be disappointed if people do not take it for more than its face value.

The greatest blessing that ever comes to a human being is the determination to realize that for which his heart longs.

It is grander to be nobly remembered than to be nobly born.

STOP GRUMBLED

If you suffer from Rheumatism or Pains for Ballard's Snow Liniment will bring quick relief. It is a sure cure for Sprains, Rheumatism, Contracted Muscles and all pains—and within the reach of all. Price, 25c. 50c. \$1.00. C. R. Smith, Texarkana, Tex. Write: "I have used Ballard's Snow Liniment in my family for years and have found it a fine remedy for all pains and aches. I recommend it for relief in the chest." Sold by J. H. M. Drug Dept., 112 and 114 South Main Street.



MISS FLORETTA WHALEY

THIS GIRL SCANDALIZED A COMMUNITY.

Miss Floretta Whaley, of Hempstead, L. I., is seventeen years old. She was the ward of the Rev. Jere Knoff, Cooks, rector of the fashionable St. George's church at that suburb of New York. The man lost his heart and won that of the young girl, with whom he eloped, leaving behind him a beautiful wife and a disgraced pulpit. The penalty for his offense, Miss Whaley being less than 18 years of age, is imprisonment, and the grandmother of the child, Mrs. Mary Whaley, is determined to prosecute him when he shall have been arrested. As yet there is no clue to their whereabouts.



Do You Know Why Red Haired People Freckle?

The thick skin tans, turns yellow or brown. The sun and wind gradually harden the cuticle and turn the pigment in the skin darker and darker; but because of the resistant qualities of such a skin, its thickness and oiliness, the sun does not burn it quickly enough to cause it to blister.

When the skin burns red, blisters and peels off. It is because it is a thin, dry skin. When the skin wrinkles, it is because it is too dry, and the skin tissues are not plump and firm.

When the skin freckles it is because it is thin, and the possessor has a great deal of iron in the blood. Red-haired people freckle very easily, and the iron in the blood is largely responsible for both the red hair and the freckles.

Did you know that a freckle is but iron rust? The chemical action of the sun's rays corrodes the iron in the little spots in the pigment, making a brown spot stain, which we call a freckle.

Kosmeo Prevents Freckles, tan, sunburn wrinkles and all imperfections of the skin by supplying the oils necessary to keep the skin soft and smooth, and the oil cells and pores healthy. It feeds the skin tissues, making the skin plump, firm and velvety.

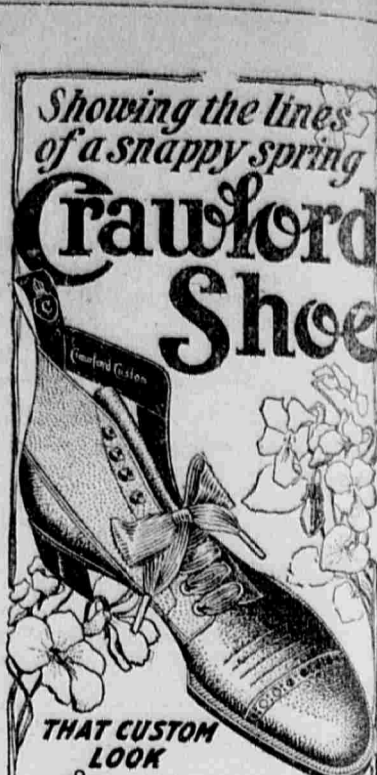
Ask Your Dealer For a 50c Jar If he does not keep it, write to me telling me his name, and I will either send you a jar, prepaid at the same price (50c) or, I will give you the name of some other dealer in your city from whom you can buy Kosmeo.

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THE DESERET NEWS.



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One of the most popular "Crawford" styles ever produced.

Made by CHARLES A. EATON COMPANY, Brockton, Mass. For

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50% or $\frac{1}{2}$ Less the Regular Price

33% or $\frac{1}{3}$ Less the Regular Price

25% or $\frac{1}{4}$ Less the Regular Price

The story would be a long one were we to dwell on detail. But we have not the space—and it is not necessary, so exceptional are the bargains. The figures are more convincing than argument.

Every Skirt and Dress

Length in the House at

Absolutely Half-Price.

50c Fancy Mohairs and Novelty Suitings—among the season's most favorite fabrics. Just think, at a price cut half

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59c Fancy Wool Suitings—this season's handsome, effective styles. Fine in

texture, lovely in effect..... **38c**

75c Novelty Suitings, including white grounds with hair line stripes. For nobby

summer suits and skirts..... **49c**

\$1.00 Suitings, 44 inches wide, in a large variety of desirable styles. One of the

strongest values ever offered..... **67c**

\$1.50, \$1.75 and \$2.00 White Ground Fancies and Novelty Tailor Suitings. These choice

weaves to be appreciated must **\$1.25**

be seen.....

\$2.00 and \$2.50 54-inch Novelty Suitings and Jacket Materials. This splendid style will

arouse lively interest..... **\$1.40**

89c SILKS--SILKS 89c

Our silk sale will be continued for one week more. Many more new styles have been added

SOME ATTRACTIVE NEW LACES

Double width all-over laces in white and butter colors, for jumper suits and fancy waists. Values up to \$2.00. Special \$1.19 per yard.

Handsome new shipment of dainty Nottingham laces in white and ecru, used for children's dresses and fancy waists. Special 29c.

The home is not cosy unless it is supplied with pretty pictures. Aren't those pretty on the floor below?

Newly arrived shipments of laces and embroideries have brought many specimens of great beauty and interest inspection of which we welcome.

The boys' clothes question involves study—we have been studying it ever since the store opened. The object has been to combine sturdiness with style, wearing qualities, necessary reinforcements, suits that will hold their shapes—all at a reasonably low price.

Your odd-shaped windows, doors, fancy arches and folding doors can be fitted with any style of draperies and hangings.

In velours, damasks and other fine fabrics, we carry a full line of colors, suitable for the most dainty parlor or reception-room.

A whirlwind start is predicted for the dress good sale.

Every woman who comes and sees our beautiful showing of inexpensive waists will realize that home sewing is simply a waste of time.

A stupendous sale, a matchless event an extraordinary occasion, a colossal assemblage of incomparable values, etc., etc.—or, in other words, regular prices of dress goods cut in two or nearly in two.

Until out new stock has been seen baskets will hardly enter your mind. And when you have you will go into raptures over them.

Our method of doing business has won big success.

Our prices forcibly appeal to the public—the store that forced high prices down.

We are just as anxious to please as to profit.

K.O.B. monogram on a piece of merchandise stands for quality above the ordinary.

Save while you can. Many a man's success can be traced to his habit of saving which he firmly established in his youth. This—because we were just thinking of our new bank.

Come, and give our suits the most critical examination—then decide by your own judgement.

Our millinery is comprehensive of everything, from the finest to the lowest priced hat desired.

We have just added a stationary vacuum cleaner—the first in the city.

Between regular prices and giving the fabrics away, which would cause a riot, we concluded to split the difference in two—speaking of the Dress Goods' sale which starts Monday.

Much care should be given the selection of a man's cravat because it is the most conspicuous feature of the whole scheme of his attire. It doesn't mean an expensive cravat. By the way, have you seen our new stock?

Handsome New Handkerchiefs

The crossbar all-pure-linen handkerchiefs, regular 35c. Special, 25c.

Hemstitched and embroidery handkerchiefs with dainty designs. Special, 15c, two for 25c.

All-pure-linen handkerchiefs, soft finish, worth \$1.50 box, 6 in box. Special, \$1.25 box.

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