

FIRST-OF-THE-WEEK-BANNER-BUYS!

Small Worlds Around Us
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By
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Birds May Eat 20,000 Bushels of Bugs A Day
How many bugs to a bushel? Or, how many birds in a county? Two very important questions that should be answered if scientists and fruit and vegetable growers want to know what they are up against in man's constant battle against the insects.

So, someone took the time, overcame his natural revulsion and counted the number of average sized bugs necessary to fill a bushel basket. One hundred and twenty thousand, give or take a few dozen, average sized bugs did the trick.

Somebody else peered cautiously into the crops and stomachs of birds to find out what kind of bugs, and how many, were there. Finding out how many a bird ate in a single day was the next and relatively easy step; average size bird, about 100 bugs a day.

To count the birds, of a certain species, in a county seemed like a hopeless task. It appeared even more complicated than the system the man used that counted the number of legs in a herd of cattle and then simply divided by four.

Birds Per Acre
The bird count proved even easier. It was only necessary to count the birds normally found on one acre of ground. Know the number of acres in the county and take a minute with a pencil and paper and there you are.

By means of this "yardstick", we can pretty accurately place four insect eating birds of one species to an acre. The bright, red cardinal, an insect eater, was a typical example. By this formula, an average sized county would have about 30,000 birds.

Should the insects increase in numbers, which does happen each year, birds from neighboring regions would hear about it and move in for the duration of the bug-harvest. These migrant "bug-pickers" would naturally "go home" as soon as food scarcity began to be evident and the bird population would regain its normal level.

Cuts Insect Count
Now, taking the cardinals again as an example, which we estimated would average four birds to the acre, each eat 100 bugs a day together with thousands of insect eggs and probably a few stray insects that they run across in a day's time. This makes a deep dent in the insect population.

During the nesting season, when feeding young, the bug intake is stepped up to about 150 bugs per day.

It is pretty conservatively estimated that the birds in a state of average size will eat about 20,000 bushels of bugs a day for at least five months of the year. During the remainder of the year, that is the colder months in the northern states, the overall volume will be about half the summer intake.

In states of the deep south, where insect life is extended, the amount eaten by birds, almost the year around, must be fantastically large; better measured by tons rather than bushels.

Applying the "bugs and birds" formula, it would be safe to say that the cardinals alone, in a medium sized state, would require 52,000,000 bugs a day to keep their metabolism up to normal standards; and this in addition to countless insect eggs.

Besides the cardinals, there are other insectivorous birds scurrying around after "the crawling multitude." And the birds do all this pest control "for free."

Nuclear-Powered Sub Launched at Groton

GROTON, Conn. (UPI) — The nuclear-powered Polaris missile submarine Ulysses S. Grant, described as the nation's "most significant weapon," was launched Saturday at ceremonies at Electric Boat shipyards.

The sub, capable of firing the 2,500 mile missiles, was christened by Mrs. David W. Griffith, of Arlington, Va., great-granddaughter of the former President for which the craft was named.

Mississippi Files Suit Against Post

BIRMINGHAM, Ala. (UPI) — Mississippi's public safety commissioner has filed a \$1 million libel suit against the Saturday Evening Post, claiming the Post defamed the Mississippi Highway Patrol.

Col. T. B. Birdsong, head of the patrol, based the suit on a story, "What Next in Mississippi?" He said it was published "with intent to defame" the patrolmen's action in the University of Mississippi integration crisis.

FRESH CRISP
CELERY
7^c lb
TANGERINES
New Crop Lunch Box Favorite
23^c lb.
YAMS A Must With Ham
10^c lb.

WESTPEAK
RASPBERRIES
10-oz. Pkg. (Sweetened)
4 FOR 99^c

MEADOWBROOK
ICE CREAM
Vanilla
99^c gal.

BANQUET
MEAT PIES
Beef, Chicken, Turkey, Tuna, Macaroni & Cheese
8-oz. Pie
6 FOR 89^c

SCOTTIE
MARGARINE
STOCKTON
CATSUP
PAYETTE
CORN Whole Kernel or Cream
303 Can 10^c
STARK'S INSTANT
POWDERED MILK
STATE FAIR
TOMATO SAUCE
14-qt. Pkg. 79^c
CHEF'S DELIGHT
CHEESE LOAF
8-oz. Can 16 for 99^c
STOCKTON
TOMATOES
2-lb. Loaf 43^c
HALEY'S
DRINK Orange or Grape
303 Can 9 for 99^c
PAYETTE
APPLESAUCE
OHIO
BOOK MATCHES
M.D.
TOILET TISSUE
46-oz. Can 5 for 99^c
50 Count Box 9^c
4 Roll Pack 3 for 89^c

GHIRARDELLI
FLICKETTES
6-oz. pkg. 15^c 12-oz. pkg. 29^c

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PLASTIC FLOWERS
12 for 97^c

100 Count
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Standard Size
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Alka-Seltzer	59c	39c
Colgate or Gleem Toothpaste	83c	59c
Tiger Adult Toothbrush	59c	33c
Hair Roller Hamper	\$1.39	99c
Rubber Hot Water Bottle	\$1.49	99c
Listerine	\$1.29	99c

First of the Week Budget Stretchers!
MORE MEAT FOR YOUR MONEY!

CHUCK STEAK Swift's Premium Tender Aged Beef The Family Favorite 49 ^c lb	BONELESS TOP SIRLOIN STEAK Well Aged Beef From the Midwest Truly a Winner At Any Dinner! SPECIAL ONLY 89 ^c lb.
PORK STEAK Lean Meaty Blade Cuts, Tender, Tasty Young Pork 39 ^c lb.	PORK ROAST Fresh Picnic Cuts—Short Shank, Excess Fat Removed 29 ^c lb.
SAUSAGE ROLLS Swift's Premium—Expertly Seasoned Full Lb. Roll 29 ^c	PORK LUNCHEON LOAF Swift's Savor-Tite Quick to Fix 3 lb. tin \$1.00

REAL PRUNE
PRUNE JUICE 24 Oz. Bottle 29^c
MISS LOU CUT COVE
OYSTERS 8 Oz. Can 5 for 89^c
MEADOWBROOK
BUTTER 1-Lb. Print 59^c
STALEY'S
Pancake & Waffle Syrup Gal. Can \$1.39

ERLAND
MUSHROOMS Stems & Pieces 4-oz. Can 23^c
KAL KAN
CAT FOOD 6 Oz. Can 12 for 99^c
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INSTANT COFFEE 10-oz. Jar \$1.19
MAXWELL HOUSE
COFFEE 1 lb. can 49c 2 lb. can 97c

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BOOT POLISH 3 for 99c
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MEN'S WRIST WATCH
DIAMOND TOOLED WATCH with golden stretch band
• Sweep Second Hand • 2-yr. Warranty
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