

### Plan For Proper Chick Sanitation

1. Clean and disinfect brooder house before chicks arrive with cre-so-fec solution.
2. Disinfect all feed and water with a chloraena solution.
3. Prevent spread of drinking water with chloraena disinfectant.

Every time a chick dies it costs money. It costs the actual money invested in the chick as well as the profit that bird would have brought later on, either as a broiler or pullet. Many chick losses, leading authorities say, can be traced directly to disease and parasite infestation, most of which can easily be avoided or controlled by a simple program of sanitation.

"Keeping things clean and comfortable for the flock goes a long way toward making money with chicks," says Wm. Chilson of Purina Mills' Research staff. "That's why every chick raising program should include proper sanitary measures especially when this is so easy to do and costs so little. To help keep chicks healthy and growing the following sanitation program is recommended, because it is being used so successfully in the Purina Laboratories and on the Experimental Farm.

"Before chicks arrive, everything movable should be taken out of the brooder house. Ceiling, walls, and floor should be swept thoroughly and all dirt and litter cleaned out. The next step is to scrub the walls and floor and spray the ceiling with a solution of 1-3 tea cup of cre-so-fec in one gallon of water.

"If possible the brooder house should be moved to fresh ground and left open to sun and air. When the brooder house cannot be moved to new ground, provide a gravel apron three inches deep, 15 feet each way from the house. The gravel should be stirred with a garden rake at frequent intervals and sprayed with the same strength cre-so-fec solution already recommended.

"The importance of furnishing clean litter for the chicks and keeping it clean during the brooding period, is another point to be observed. Good ventilation, without drafts, is essential too, and plenty of room should be provided for the chicks. Overcrowding is dangerous.

"Drinking fountains and feed hoppers must be kept clean at all times by scrubbing the equipment regularly and disinfecting with a solution of six chloraena tablets to a gallon of water. As a further aid in preventing the spread of the disease, one chloraena tablet should be used in each gallon of drinking water.

"These few simple control measures against disease will go a long way towards guarding successfully the health of chicks and keep them up and growing. These are the ounces of prevention that mean pounds of healthy profits for the poultry raiser who includes them in his management program."

Anyway we refuse to believe that home life is declining in this country, so long as the usual number of birds are building their nests.

The fact that the children are too exhausted to study their lessons, does not prove they will be unable to go to a dance that evening.

If the fisherman think their stories aren't believed by their friends, they can always avoid that difficulty by distributing specimens of their fish.

Mystery of the Haunted Spanish Tower. Exciting story of a crime supposed to have been committed by a ghost. One of many fascinating features in the American Weekly, the magazine which comes with the BALTIMORE SUNDAY AMERICAN, issue of April 29.

### Lady Says She Took CARDUI for Cramps; Was Soon Relieved

Women who suffer as she did will be interested in the experience of Mrs. Maude Crafton, of Belleville, Ill., who writes: "For several years, I suffered from irregular trouble and cramping. There would be days when I would have to stay in bed. I would get so nervous, I was miserable. My aunt told me to try Cardui. She believed it would build me up, regulate me and help the nervous trouble. I knew after taking half a bottle of Cardui that I was better. I kept on taking Cardui and found it was doing me a world of good. I am in good health, which means a lot to me." . . . Thousands of women testify Cardui benefited them. If it does not benefit YOU, consult a physician. . . . Price \$1.



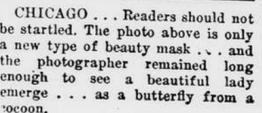
### PICKING SEXES OF CHICKS

So-called chick sexing—picking out the pullets and cockerels in a group of newly hatched chicks—has recently been done with considerable accuracy by poultry specialists of the U. S. Department of Agriculture.

The method, first developed by the Japanese, consists of observation of the size and shape of the genital eminence, variations being only slight between the sexes at this early age.

After a study of the problem for four months the Department specialists acquired an accuracy of more than 90 percent, checked the results by post-mortem examination of the chicks. Accuracy of 70 percent was acquired quickly by those doing the work, but much practice was necessary to pass the 90 percent point.

No attempt was made to sex the newly hatched chicks with commercial rapidity, as is done in Japan where professionally trained men sex upwards of 5,000 chicks a day for big hatcheries. The Japanese have specialized in this business and have found that a great deal of experience with thousands of chicks is necessary before



CHICAGO . . . Readers should not be startled. The photo above is only a new type of beauty mask . . . and the photographer remained long enough to see a beautiful lady emerge . . . as a butterfly from a cocoon.

### OUR CHILD AND THE SCHOOL

By Dr. ALLEN G. IRELAND  
Director, Physical and Health Education  
New Jersey State Department of Public Instruction

**Spring Fever**  
Say "spring fever" to most adults and they think of sulphur and molasses. Although such so-called tonics and blood purifiers are gradually, and deservedly, passing out of general use, the fact remains there is a condition which we come to know as "spring fever."

In reality, spring has nothing to do with it. Winter is the season at fault. We are shut in more and subjected to colds, sore throats, and the like during the winter. We take less exercise and receive less sunshine. We lack quantities of green vegetables and fruits in our diets. By the time spring rolls around, the reserves of strength and energy are approaching low tide.

We speak of being "run-down" or "tired-out." And that is what it is—a mental and physical "let down," for children as well as adults. But the answer is not medicine. Send the child out of doors; let him get sunshine; bring on the fresh vegetables and fruits. If there isn't a pick-up, by all means consult your physician, for the "let down" may have brought on something more serious.

"Desserts," an important matter where children are concerned, will be discussed by Dr. Ireland next week.

### Roadside Markets Urged By Knapp

The roadside market is a potential source of considerable profit to farmers who are situated so they can take advantage of it, points out Dr. Joseph G. Knapp, associate agricultural economist at State College. North Carolina farmers, he said, would do well to follow in the footsteps of growers in Massachusetts and New Jersey, where roadside marketing has been developed to a high degree and associations formed to insure the public of quality produce and full weights and measures.

Next in importance to high grade produce and honest measures are attractive markets and courteous and intelligent service. The public likes to stop at inviting places, but passes by those which look shabby and unbusinesslike.

The American people are willing to stay at home, when they have no money to go anywhere. The birds keep twittering "cheep, cheep, in spite of all the government is doing to raise prices.

### Roadside Markets Urged By Knapp

The location of a roadside market is also important. It should be convenient for the motorists, and visible for some distance in both directions. Motorists traveling fast are not inclined to jam on their brakes to stop at a place that flashes suddenly into view. The top of a hill or the outside of a mild curve have the advantage of getting the driver's attention while he has slowed down. The best location, however, is undoubtedly a straight road. The right side of the road going into town is also best, for more produce is purchased by people returning to the city than by those leaving it.

Plenty of good parking space is also essential. Some attractive flowers or natural foliage will enhance the appearance of a market place. An inexpensive but attractive stand can be built for a few dollars. Sometimes a few display racks under a shade tree will suffice. Signs several hundred feet or more down the road on each side of the market will help draw attention. A few words are best, such as Fresh Fruits and Vegetables For Sale, or Sunshine Road Market Just Ahead.

**LITTLE AMERICA AVIATION and EXPLORATION CLUB**  
LITTLE AMERICA ANTARCTICA  
With Byrd at the South Pole  
by C.A. Abele, Jr., U.S.N.R. President

### Antennae Blown Down!

AGAIN we have to go without our weekly story from Arthur Abele in Little America. A new and serious crack in the ice on which this Antarctic village is situated has caused the Admiral to set up a new camp three-quarters of a mile in back of Little America and everybody has been busy, day and night, moving sufficient supplies there to last the 56 men on the ice one year, in case an emergency occurs at Little America. The Admiral and his scientists do not expect this but, with his usual foresight, he is preparing for any eventualities.

The real trouble now is not that the weather is not cold enough to freeze the ice. The temperatures are ranging from 30 to 40 degrees below zero. The earlier thaws, however, moved so much of the ice out of the Bay of Whales that it allowed the waves and currents from the Ross Sea to act with greater violence against and under the Ross Barrier and the Bay ice in Ver sur Mer Inlet to such an extent that the ice is bending and cracking off. The Admiral does not believe that the crack extending around Little America will widen enough to pitch it into the sea but he is taking no chances.

Meanwhile a series of violent blizzards have blown down the new directional antennae which made the receipt of radio messages and broadcasts so beautifully clear just a few weeks ago and we have been unable to receive any stories or messages from Arthur Abele or Commander George Noville for the past ten days. We fully expect this trouble to be remedied within the next few days so that next week we should have an interesting first-hand story from them on what is

going on down there at the bottom of the world.

When we mentioned, a couple of weeks ago, that a number of history, physical geography and science classes in high schools and colleges were enrolling in the Little America Aviation and Exploration Club in a body, we started something or, rather, we gave a great push to something which had already been started. Since that time we have received several thousand applications for free membership in the club and we have enrolled more than 50 complete classes which are using these stories as a weekly lesson. To each of the members of these classes we have sent a membership card and the big working map of the South Polar regions on which the members may outline the various exploration journeys of the Expedition. This map, which is 20 1/2 by 27 1/2 inches, contains suggestions on how to draw the various trips with different symbols and in different colored pencils to indicate the various types of equipment including the airplanes, the three tractors, the two snowmobiles and the dog teams.

This map, if properly kept, should form an interesting and valuable life-long memento of one of the greatest scientific adventures of the age. All that is necessary to join the club and secure one of the maps is to send a self-addressed stamped envelope to Arthur Abele, Jr., president, Little America Aviation and Exploration Club, Hotel Lexington, 48th Street and Lexington Avenue, New York, N. Y. Please be sure to write your name and address plainly. A number of people have neglected to do so and their maps and cards have been returned to us. There is no charge for membership in this unique club which has been formed, at Admiral Byrd's request, to further the interest of young America in the development of aviation and exploration.

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**The Family DOCTOR**  
by JOHN JOSEPH GAINES, M.D.

### TOO FAT

If you are too fat—and some are—don't forget the two outstanding causes of excess weight; they are:

- (1) Not enough exercise—
- (2) Eating more than you need.

These are to be first thought of. To correct either, or both, is a matter wholly your own. Nobody can take exercise for you, or cut down eating for you—you must do that for yourself. Do it under the counsel and advice of your best friend—your family doctor.

I talked this very morning with a stout, healthy country miss, who as literally made an invalid of herself, trying to take off weight; she is afraid to take quantity or kind of food that she really needs. She is unable to work, and her nervous system torn to pieces.

It is quite possible for a state of confirmed invalidism to be acquired from constant dread of taking the necessary nourishment for the proper functioning of the body. would rather be a trifle overweight—and happy—than to starve myself into a confirmed

neurotic.

The normal human being must have a variety of food. We are not herbivorous, no more than we are carnivorous; we are altogether different from the lower animals; and, it takes fuel if we would build a fire. We need, in proper quantity, meats, starches, vegetables, fruits, and "greens;" some things raw, some well cooked, all clean. But not an over-supply.

I have a fat lady under my care—weighs 190. I try to diet her correctly. I happened into her hotel at dinnertime the other day; she had a plateful and a dozen side-dishes! Enough for two or three meals—No, I didn't chide her then, but I'm laying for her. When I catch her away from the table. Well, she employs me.

The young people are urged to get up in good season, on the idea that the early bird catches the worm, but they reply that the early bird is also likely to catch cold, as the result of getting out in the chilly morning before the sun has warmed the air.

### UNUSUAL FACTS REVEALED—by "Movie Spotlight"

CLARK GABLE AND CLAUDETTE COLBERT MADE A BET AS TO THEIR HITCH-HIKING ABILITY. CLARK INVEIGLED A YOUNG LADY TO GIVE HIM A LIFT TO WHERE A SCENE OF THEIR PICTURE, "IT HAPPENED ONE NIGHT" WAS BEING SHOT BUT CLAUDETTE HAD TO WALK ALL THE WAY—ALMOST 4 MILES



FRANK CAPRA, THE DIRECTOR, HAS NEVER MADE AN UNSUCCESSFUL PICTURE!

AN "APPLE" AT THE COLUMBIA STUDIOS IS NOT A FRUIT! IT IS VACUUM SLANG FOR A VACUUM TUBE!

WALTER CONNOLLY OWNS THE MANUSCRIPT OF THE FIRST 3 ACT PLAY EVER PRESENTED IN AMERICA!

### MUTT AND JEFF—JEFF LEARNS THAT TRICK SEALS CAN DO TRICKS OUTSIDE A TENT

THOSE ARE YOUNG SEALS, JEFF! TRAINED SEALS ARE WORTH LOTS OF DOUGH!

WOT THE--

I GOT HIM, MUTT!

THIS IS THE LAST MATCH! IF IT GOES OUT I SPOSE I'LL HAVE TO CARRY YOU BACK TO THE BOAT!

MAYBE IF YOU GET AN ICE PICK I CAN WALK BACK!

### THE FACT FINDERS—AND THEIR DISCOVERIES

ON AN AVERAGE THERE ARE 3 1/2 POUNDS OF SALTY MATERIAL TO EVERY 100 POUNDS OF SEAWATER.

IN 1921 IT WAS DETERMINED THAT COTTON IS MOST WIDELY USED FOR CLOTHING—ABOUT 50% OF THE WORLD'S CLOTHING BEING MADE OF COTTON MATERIALS.

WE HAVE COVERED MANY MILES IN THIS ROCKET-PLANE. NOW LET'S LEARN SOMETHING ABOUT A BEE TRAVELER.

IT HAS BEEN ESTIMATED THAT A BEE TRAVELS 43,776 MILES TO GATHER ONE POUND OF HONEY.

THE PROFESSOR AND THE BOYS ARE OFF TODAY ON ANOTHER FACT-FINDING VENTURE—CLIMB ABOARD FOLKS!

THE BIOLOGICAL SURVEY SAYS THAT SKUNKS HAVE THE REPUTATION OF EATING YELLOW JACKETS AND BUMBLE BEES.