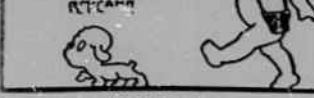


THE CHEERFUL CHERUB

Im off to find a desert island now, Until I find it I shall not return— A place where those who study violin Will have to go and stay until they learn.



WNU Service.

Passenger Pigeon

Every species or subdivision of a species of domestic pigeon to be found in our country today had its origin in some European or Asiatic country, according to an authority in the Rural New-Yorker. North America, did, however, have a truly representative American pigeon, the Passenger pigeon, a wild pigeon whose natural habitat was the entire continent. This particular American bird would be with us today, had it not been for the unmerciful slaughter of it by those whose only thought was the making of "easy money," which brought about its extinction.



To regain lost weight is a simple matter when certain bodily functions are restored to normal. Of foremost importance is the stimulation of digestive juices in the stomach to make better use of the food you eat... and restoration of lowered red-blood-cells to turn the digested food into firm flesh. S.S.S. Tonic does just this.

Forget about underweight worries if you are deficient in stomach digestive juices and red-blood-cells... just take S.S.S. Tonic immediately before each meal. Shortly you will be delighted with the way you will feel... your friends will compliment you on the way you will look.

S.S.S. Tonic is especially designed to build sturdy health... its remarkable value is time tried and scientifically proven... that's why it makes you feel like yourself again. Available at any drug store.



Wise and Otherwise
Some grow old gracefully; and some grow old disgracefully.



And Out of Turn
Passions and prejudices speak in a loud voice.

Strength During MIDDLE LIFE

Strength is extra-important for women going through the change of life. Then the body needs the very best nourishment to fortify it against the changes that are taking place.

In such cases, Cardul has proved helpful to many women. It increases the appetite and aids digestion, favoring more complete transformation of food into living tissue, resulting in improved nutrition and building up and strengthening of the whole system.

WNU-7

41-36

Wintersmith's Tonic
FOR
MALARIA
Good General Tonic
USED FOR 65 YEARS

POULTRY

PULLETS REQUIRE EARLY ATTENTION

Time to Select Layers and Move Off Range.

By C. M. Ferguson, Poultry Specialist, Ohio State University.—WNU Service.

With approach of the time of year for moving pullets in off of range to laying houses fall management practices have been found to give satisfaction.

Let the first group to be moved in include those pullets which are most advanced, are showing considerable comb development and are about ready to begin laying. Of the pullets left on range, it will become evident in a couple of weeks that possibly half of them are then also ready to be moved in.

That will leave on range only the slower maturing, less thrifty pullets, which without competition from the stronger, thriftier pullets will generally show a surprising development. In this last group there will be pullets not making a satisfactory growth, which pullets it is usually good economy to finish off for the market.

If the pullets are to be used in the second year as breeders, different colored leg bands put on as they are brought in off of range will be of considerable value in selecting the earlier maturing birds as breeders.

Most farm poultrymen realize the importance of thoroughly cleaning and disinfecting their poultry houses against red mite infestation before moving the pullets in from range. If any body lice are found on the pullets, sodium fluoride sprinkled well into the pullet's feathers will kill the lice. Or nicotine sulfate applied to the roosts late in the afternoon will give off fumes, which will exterminate the lice while the pullets are roosting.

Good ventilation, without too much draft on real cool nights is especially important for a few weeks after the pullets are housed in off range. In this connection, insulated houses are much cooler in the summer and also much warmer in the winter. Elaborate insulation is not necessary. Straw lofts will often provide sufficient insulation at very low cost.

It is always wise to have the pullets switched over to their complete laying rations before they are brought in from the range.

Have House Ready as Pullets Begin to Lay

The ideal place for the pullets is out on range—preferably in range shelters. It is possible to keep the pullets on range too long. If over 10 per cent are laying they should be taken to the laying house. This is especially true if the other pullets commence to redden up.

With early-hatched birds, properly fed, there comes a time when they have to lay. In that case prepare for them. The laying house should be cleaned and disinfected. There should be clean litter. Have plenty of feed hoppers and it helps if they are similar to the type the pullets are used to eating from while on range. Be careful to have all the nests, droppings boards and roosts fixed. The windows, ventilators, etc., should be fixed before moving the pullets into their new quarters. Move the pullets as quietly as possible.

Many bloody eggs are caused because of undue excitement and rough handling. If one has considerable room and a large flock of pullets he should place similar pullets together. If all the pullets in one house mature about the same time they can all be handled alike. Pullets should be sorted.—Indiana Farmer's Guide.

Strain on Hens

It takes vigorous birds to stand the strains of high egg production, says Dr. W. A. Hagan of New York State Veterinary college, who states: "A 200-egg hen, for instance, produces at least five times her own weight in eggs in a single year, and this is perhaps ten times as much as she would produce without domestication."

Grain Ration for Poultry

Higher egg production is secured by feeding only a small amount of grain in the morning and the remainder at night. The morning feed should be in clean litter about four to six inches deep. There is a growing tendency among poultrymen to make the afternoon feeding in troughs and this is a good practice, especially where infectious diseases or internal parasites are present. A flock of 100 hens will ordinarily consume 10 to 12 pounds of grain a day

Keeping Up With Science
By Science Service

Brain Becomes Hot When Eyes Are Busy, Scientist Reveals

Delicate Meter Tests Temperature Changes

Chicago.—Measuring the heat of a brain-wave is the latest achievement of Dr. R. W. Gerard of the University of Chicago, who 10 years ago, with Dr. A. V. Hill, British Nobel prizeman, first measured the heat of a nerve message.

In the past four years much attention had been aroused since scientists found it possible to measure the electricity which the brain produces when it works.

More recently, Dr. Gerard reported to the American Physiological society, the amount of oxygen used by portions devoted to the senses of sight and touch has been measured. He has now been able, with a thermometer which records a change in temperature of 0.00075 degrees Centigrade to measure the temperature changes of the living brain.

How Instrument Works.
The thermometer is an electrical one, and the "bulb" is the size of a fine needle. This is inserted into the particular part of the brain of the laboratory animal: to be studied. When it is desired to find out the heat involved in seeing, the needle goes into the paths that lead from the optic nerve; and the eye, for instance, where it is located within one twenty-fifth of an inch.

Illuminating the eyes of the experimental animal, the experimenters found that these optic pathways in the brain began, within a minute, to get warmer.

For two minutes more the temperature rose, until it was a hundredth of a degree above normal for the resting brain. Four minutes after this, the temperature was again that of the resting brain.

Reaction of Paws.
The Chicago physiologists found a similar response to pressing the paw, when the tiny thermometer bulb was placed in that part of the brain which has to do with touch. In some parts of the brain, both pressing and "seeing" had the effect of raising the brain temperature.

The investigators have evidence that these changes in the brain temperature are in part due to an increase of blood flow to the portion of the brain used in sight, when the eye is illuminated, and to that portion which is used to distinguish touch when the animal is pinched; but in part due to the actual work done by the nerve cells.

Suicide Decrease Is Recorded in Year's First Half

New York.—A new drop in the suicide death rate among insured wage-earners is in prospect for this year, if the better record of the first half of this year is maintained.

Figures compiled by Metropolitan Life Insurance company statisticians show that the suicide rate was 8.9 per 100,000 during the past six months.

The fact that the increase in suicides reached its peak at the very height of the depression caused some speculation as to whether economic conditions influenced self-destruction.

Plants Crossed Pacific 200,000,000 Years Ago

Cambridge, Mass.—Evidence that plants migrated across the Northern Pacific ocean nearly 200,000,000 years ago in the epoch of time that geologists call Lower Permian has been unearthed in Texas by Harvard explorers.

The discovery of two new species of Tingia, a genus of long extinct plants hitherto unknown in America but found in China, was announced by the Harvard University Botanical museum where the specimens were studied.

'Can't Miss' Torpedo Repeats Attack if First Shot Fails

Projectile Invented by John Hays Hammond, Jr.

A "CAN'T-MISS" torpedo one that would come back if it should miss on the first attempt, and strike the enemy battleship on the opposite side is described in a patent recently granted in Washington, D. C., to John Hays Hammond, Jr., one of America's champion inventors who has a total of some 385 patents to his credit.

The enemy ship itself would cause the errant torpedo to return for a strike.

The inventor also reveals in his patent a method intended to control whole groups of torpedoes by radio, so that like an attacking squadron of airplanes, they may be maneuvered in v-shaped, echelon (oblique), or any other formation, slowed up or speeded against any attacking fleet of battleships.

Can Turn About.
Only when a torpedo fails to make a direct hit, does a novel control device built in the torpedo go into operation to turn the torpedo about and redirect it to crash into the hull of the ship. This unique mechanism inventor Hammond calls a "magnetic balance." It is connected to a long antenna which trails in the water behind the torpedo.

The torpedo also has a wireless receiving mechanism by which the firing ship may steer the torpedo to the left or right according to the direction of movement of the enemy battleship.

Thus, one dash on the radio signal turns the torpedo so many degrees to the left; two dashes, so many degrees to the right, while a long dash operates mechanism which reduces the torpedo's speed.

If a whole salvo is fired at once, the individual torpedoes may be arranged in any attacking formation by the radio control.

The "magnetic balance," which makes the torpedo turn an about face in case it misses, is a complicated electrical mechanism so connected that it lies dormant until there is a miss.

Bats Have "Homing" Instinct, German Scientist Finds

Berlin.—Bats migrate like birds, though not to such great distances. Like birds, they know the way home again. Female bats have a second "home"—a nursery cave, where their young are born, and where males very rarely intrude.

These are among the results of an intensive study of bat ways conducted by Dr. Martin Eisentraut of the University of Berlin here.

Dr. Eisentraut attached identifying bands to over 6,000 bats, after the manner of banding birds. He did this while the bats were in their winter quarters in two places in central Germany. Captured and reported subsequently, the bats showed migration tendencies principally toward the north and east, but their range was not great.

Range 300 Miles.
In no case did it exceed 300 miles, and many of the little animals did not fly more than four or five miles.

In winter quarters, male and female bats share the same caves, hanging in great clusters from the ceiling and wall projections.

Meat Made Tender Quickly by Chemical Injection

Washington.—Now that steak may be given an added tenderness!

How meat in general may be made more tender by pumping a special "tendering" solution into the arteries of cattle right after they are slaughtered is revealed in a patent granted here to Levi S. Paddock and Cleo A. Rinehart, Chicago inventors.

Enzymes, akin to those which help the stomach digest food, are used by the inventors in their tendering solution. By their method of pumping dilute solutions of such enzymes as trypsin, pepsin and papain into the vascular system of the animal body, the inventors claim that they avoid the long period of aging which is practiced to obtain tender meat.

Truth Telling

TRUTH telling is an achievement, a mark of strong mind and character. It requires accurate observation of facts, a reliable memory, a sense of justice towards others, and courage to tell the truth to our own hurt. So often lying is due to sheer cowardice. The fight is harder for some than for others, but those who start the day praying to the God of truth to make them honest discover that more and more they succeed in "putting away lying."

You can build no tomorrow without today's foundation.

Cowboy Terms

If you are one of those who thought lariat and lasso meant the same thing you have been badly fooled. One is a noun and the other a verb in the cattle country, according to Dan McCarthy, of Montana, in his book of "cowboy lingo, rodeo terms, dude ranch jargon, range profanity and other Western expressions" published for the benefit of posterity. A "lariat," according to the author, is a rope often used to "lasso" various animals. A "paint" is a horse "splashed with several colors" while "rotten loggin'" has nothing to do with a lumber camp. It means "sparkin'" in the moonlight.

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