



Pertinent Points for Practical Farmers

Prepared by the Agricultural Department, University of Minnesota

DROP IN EGG PRODUCTION
LAMENTABLE SAYS SMITH

Under Average Conditions Flocks Yield Not More Than 25 Per Cent During Summer Months.

The big drop in egg production that occurs on most farms during the summer months is lamentable because it is the greatest financial loss and because it is unnecessary, according to Prof. A. G. Smith, chief of the division of poultry industry, University Farm, St. Paul.

"Because the price of eggs gradually increases from about the first of June to the end of August," he says, "monetary returns, thereafter, are pleasing in proportion as the maximum egg yield is approached. It may be stated without fear of contradiction that under average production flocks yield not more than 25 per cent during the summer months while if the flocks are well managed the yield will be considerably higher, at a small additional expense."

Reasons given by Prof. Smith for the failure of farm flocks to maintain the high production of April and May or approximate it are, first, that feeding conditions are likely to be differ-



A. C. Smith, Chief of the Division of Poultry Husbandry, St. Paul.

ent as the season advances and the weather becomes warmer, and the sun dries the supply of insects and young, tender greens essential to the fowl's welfare becomes smaller and smaller until finally it disappears entirely and the needs of the body. This factor is especially influential because many hens are fed sparingly perhaps, half the grain which the market contains in the form of food or protein, to the lack of which the fowls are easily affected.

External parasites are responsible for much of the drop in egg production because they irritate and worry the fowls and are generally more numerous in large numbers during the hot weather.

"If we were to place these losses at \$10 for every fifty hens and a proportionate sum for larger and smaller flocks, the total loss would be \$100,000,000," says Professor Smith. "We would create some surprise; yet, let us analyze the statement and see what the problem is. You doubtless know that one dozen eggs or less is all that one dozen eggs for each hen in the flock during a period of four months time, or less than three eggs per hen per month. If this were the case, it would be bothered by many critics like to say that a larger proportion by far than one fourth of the farm flocks are sorely troubled by these pests. They are placed the losses at two or three times that figure the statement would have been more nearly correct. When one considers that there are 160 million flocks in the United States with an average of 54 hens each on Minnesota farms, the appalling losses through neglect to eradicate these pests is apparent."

Another reason for low production during the summer months comes through failure to realize that a hen can be about as uncomfortable when very many degrees warmer when too cold. Keeping the hens cool enough to be comfortable bears the same re-

No body puts in a longer day for the home town newspaper than the publisher of the Pine City newspaper.

Lice and mites are egg robbers these hot months. Keep the chicken house clean. Spray with kerosene in which carbolic acid has been dissolved in the proportion of one part carbolic acid to two parts kerosene. Dust the nests below with sodium boride, especially below the roost and put a pitch under the fourth and fifth feathers. When you go to bed, join the body and under each wing. In relation to summer egg production that a warm house in winter does to winter egg production. The keeper who wants to increase his egg production by opening all the windows and ventilators on exceptionally warm days gets his reward in a good supply of eggs during those times when they are bringing the average price for the year, or more.

Broody hens account for quite a loss. These should be sent out to keep lay eggs. There is another loss in the fact that Professor Smith, to start quickly, removes them from the nest the first night they desire to stay out; but these hens will not lay eggs again unless they are sent back well and fresh next.

ROCK CREEK NEWS DE'T

Mr. and Mrs. Ludwig Johnson of town, spent Sunday with relatives at Mora.

A large crowd attended the home of Mrs. John Erickson today.

Mrs. Zentner of Minneapolis arrived Tuesday for a visit at the home of her brother, John Lindgren.

Mr. McCollum from the state extension office arrived yesterday for a vacation at the Wm. Chalmers farm, south of town.

John Lindgren and son Lester, returned last Saturday from Pitts, Minn., where they spent a week visiting with relatives. They made the trip by auto.

The Rock Creek Cucumbers Association will hold a picnic at the Otto Schmidt grove east of town this Thursday, August 10th. Plan now to attend.

Last Saturday evening a number of people gathered at the women's and marshmallow road at the home of Miss Beatrice Johnson. A good time was reported by all present.

Mrs. Otto Schmidt and daughter Marcelle and Doris are visiting with friends and relatives in the twin cities this week. Mr. Schmidt is with the agricultural extension division at University Farm, St. Paul. Undoubtedly, he predicts exciting standard results for the coming Minnesota wheat crop.

Carl Weidner drove to St. Paul last Sunday in company with several baseball enthusiasts from Pine City and saw St. Paul defeat Toledo in a double-header in games in the American Association.

Mr. K. Nelson and two sons arrived last Tuesday for a visit and son came up from Minneapolis on Saturday and spent until Sunday evening when he returned accompanied by his wife and sons.

Miss Inger Bornhoff returned Monday from a visit with her sister at Arbyde and her brother Charles. She is not yet married and has come to help duties at Erickson Bros. store at present.

Lutheran English services at the Rock Creek church next Sunday evening at 8 o'clock. Rev. Samuelson of Rush City will preach. The Rush City Senior choir will be present and sing several numbers. All are invited to attend.

Miss Hazel McIntosh left for her summer vacation yesterday afternoon at the home of her cousin, Mrs. Fred Aligned. She was accompanied as far as the twin cities by Miss Wilma McNeal, who returned her home here on Sunday.

Ron and Jess Mills left for the Iron Range on Tuesday, where they expect to be employed in a garage. They spent the past week visiting at the home of their parents, Mr. and Mrs. Harry Mills ar-

of the few prices. Everything has been marked down and the crowd at the open house was too large to handle. The sale will continue until the stock of merchandise will be sold out. Anyone wishing to buy the stock should call the present and enjoy the evening after which refreshments were served.

A surprise party was held at the Fred Hartz home on Wednesday evening of last week in honor of Miss Oscar Hartz, a large crowd of twenty-five relatives and friends were present and enjoyed the evening. Refreshments were served.

A bridal shower in honor of Miss Lillian Peterson, daughter of Mr. and Mrs. Carl Peterson, was held at the Albert Glader home east of town on Wednesday of this week. A large crowd was present and the bride-to-be received many beautiful gifts. Delicious refreshments were served.

Mrs. Mahol Johnson arrived home last Friday from Grand Forks where she has been working the past few months. She will remain at the home of her mother, Mrs. Gertie Johnson, for a time. She is now employed at the Fred Hartz store, during her closing out sale.

Rock Creek will have a new store if plans of Mr. A. M. Challen of Pine City materialize. Mr. Challen intends to build a new store building on the lot where at present the house in which Fred Hartz now lives stands. It is planned that the new work will be begun on it but it will probably be in the near future. Mr. Challen formerly run a store here before moving to Pine City.

The band concert which was to have been given by the Pine City band at this place had to be given over to rain on account of the rain. It will be impossible for them to come this week on account of the chaumauqua at Pine City but will be here on Monday evening of next week. Due to the postponement they will give a longer concert at this time. Concert will start about eight o'clock. Bring the whole family with you and enjoy the music.

Mrs. Andrew Johnson, her mother, Mrs. Anna Peterson and brother Ed returned July 14th from their trip to Nebraska. They were gone five weeks and report having had a fine time, having fine weather and good roads. While away they visited relatives in Aurora, Waverly and Greenwood, Nebraska, in Marathon, Iowa, and Mankato and Minneapolis, Minn. On the trip they stopped at Sioux City, Cedar Rapids and Emmetsburg and Missouri Valley, Iowa. Mr. Johnson joined them a few days before they left Waverly and accompanied them home.

The big closing out sale at the Hartz store opened on Wednesday of this week with a large crowd of bargain seekers on hand to take advan-

tage of the few prices. Everything has been marked down and the crowd at the open house was too large to handle. The sale will continue until the stock of merchandise will be sold out. Anyone wishing to buy the stock should call the present and enjoy the evening after which refreshments were served.

Bud Stevens, son of Mr. and Mrs. Frank Stevens, while playing on a lumber pile at his home on Thursday of last week, stepped on one of the spikes which sprung up hitting him in the heel. He was cut so badly at first wasn't thought to be very serious. A short time later it was found that an artery had been broken in some way and the blood was flowing out rapidly. Dr. Stone of Rush City was called and it was impossible to stop it. Dr. Stone of Rush City was called and it was found necessary to give Bud an anesthetic and saw the artery together. He is getting along in good shape now but quite weak from loss of blood.

Tex Erwin seems to have decided that his kitchen team as he made it up the start will not do and is making frequent changes in playing personnel.

Of course, Fred Hartz's mighty sweat goes much to make him famous, but the spending editors have done more. They can stamp just as well as a bathing arm.

W. H. Watkins remained as president of the Huron Schubert baseball club of the Minnesota League. Lou Bergman, local business man, has been chosen to succeed him.

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Mrs. Ella Mickel, Recorder
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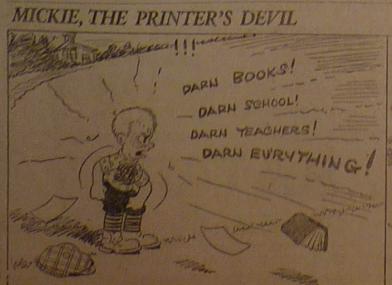
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TRADE FLEET BACKBONE OF NAVAL POWER

NAVAL AGREEMENT RESULTING FROM LIMITATION OF ARMAMENTS CONFERENCE NULLIFIED UNLESS U. S. HAS STRONG MERCHANT MARINE, LASKER SAYS; CITES FLEET'S WORLD CRUISE AS ILLUSTRATION.

Note: This is the fourth of a series of articles on the Merchant Marine by the Chairman of the Shipping Board

ARTICLE 4.

The great Conference of the Limitation of Armaments, which ended with many naval ratifications, was convened to provide for American naval strength on an equality with that of Great Britain, Japan's in turn being forty per cent. less. This is known popularly as the 5-5-3 naval agreement.

But there can be no thought of naval equality if that equality is to rest on purely naval ships. A merchant marine is as much a part of a nation's strength as is the combat arm of the navy itself.

The veriest amateur will realize that in time of war a navy requires ships for bunkering, ships for supplies both of the men and of their equipment, ships for American naval strength in time of peace. In addition, the very backbone of a navy for offensive warfare is a merchant marine of the fast carrier and raider type.

The last essential part of the war by degradations committed by the PRINCE EITEL FREDERICK KRONPRINZ FREDERICH WILHELM AND MOEWENBURG is the fast German merchant marine of the most powerful nations of the world.

It required a vast diversion of British naval ships to run down finally and drive these German commerce raiders off the seas. Thus in times of war fast merchant ships driven the very best of ships in naval service.

Merchant Ships Essential To Navy.

When a navy is engaged in either active warfare or a blockade at a great distance from the home base, it requires an unending merchant fleet of every type to keep it going—fast passenger ships for raiding, setting and ships for carrying supplies; fast cargo ships for food; tankers and colliers for bunkering; and regular cargo ships for other supplies.

We all well remember that when President Roosevelt made the naval gesture involved in the dispatch of our battle fleet around the world, it had to be bunkered and supplied in the Pacific almost entirely by foreign ships. Our naval guns were the same power, its feet were made of clay. Such shame and impotency must never again come to America.

In addition to our naval needs, the law has provided that our army is to be prepared, there must be an unending merchant marine under our flag. It is through the all too late and costly realization of this very need that we find ourselves in possession of our today's Government-owned fleet.

National Emergency Required.

If we are to be anything like a naval party with Great Britain under the 5-5-3 program, then there is no problem before the American people that presses more urgently for solution than that of our own merchant marine. As Secretary Day has said, if all naval armament were ended by world agreement, Great Britain would be more powerful on the sea than ever in its history, because its vast merchant marine could be used if no other was excited for war purposes as well as to meet peace needs.

In the passenger and combination passenger-and-cargo ships, which are the very backbone of a merchant marine, there is a field which will surely deficit, for our war-built fleet includes few passenger ships. Of this type of ships America has today 75 compared to approximately 350 belonging to Great Britain, or almost five times as many ships vital to us in case Britain should attack ourselves. When age and speed, in addition, are considered, as considered they must be, the ratio is even higher in favor of Great Britain.

It is thought most be put aside that there is any possibility of our getting on a 5-5-3 naval basis with Great Britain until after the war, and so far as we hope to assure the merchant marine which must be added to the total of our navy to find the world's strength in naval power and armament, we must have a naval armament of Great Britain. To say without such a merchant marine that the War of 1914 should result in naval equality between ourselves and Great Britain, is to display an ignorance that may well cost us in the long run the life of our country and at incalculable sacrifice of life and treasure.

No Vessel War Need.

Because one of the major features of President Harding's program is the desire to end the naval race, it is to be hoped that private American initiative will be willingly entered into the Washington pact. With the War of 1914 still fresh in our minds, that of many naval ship building and the ten-year naval holiday. Unless an American merchant marine is built up during that period, the art of shipbuilding will be largely lost to America, and if war should come again, the United States would be at disadvantage to the maritime nations of the world whose shipyards have been kept idle for ten years.

The legislative program proposed by the Administration and now before Congress is in line to do just this, to assist the naval and peace needs of our merchant marine. In the next article I shall discuss those peace needs.

Many experienced politicians believe that it will pay farmers to sell the young cockroaches now as broilers rather than to hold them until fat. A two-pound cockroach will bring approximately as much as the young hen now as a four or five pound rooster will bring in the fall. There would also be a saving in the producer's feed bill.

It is estimated that 15,000 trotters and peewees are in training for the harness racing season in this country and Canada. They will appear on approximately 1,000 tracks, many of which will not permit betting.

"LIVE UP TO" THE CHILDREN

Writer Condemns Old-Fashioned Ideas of Repression and Stern Punishment for Trivial Offenses.

It seems to me a great mistake to "live down to" children. They are capable of understanding and responding to fine and true thoughts and feelings. Never from the first did I think that a child was any way. We gave them credit always for the high and right motive, and suspended judgment till they had told their side. But the fact was that we were too hasty. The fact that they had fallen below what had been expected of them was punishment enough. A certain standard of conduct was established that they imagined always to be standard. In the case of a child, then, to see the beauty of certain qualities and the ugliness of others. It was lovely to see them trying to conform to the standards of behavior of uniformity, honesty, and unrestraint. They often failed. They often showed their temper. But they grew to be more and more ashamed of their failures.

A certain standard cannot be built from the outside. Coercion does not make for strength—only for compliance. That, it seems to me, is the great advantage of the child. He is the only one who can be coerced into doing what he should do. Inspire! That is the better word. Then the child will have an inner light to guide him, a compass to steer him to a certain goal.

Coercion cannot be built from the outside.

John Willis Griffiths was the man who revolutionized the science of man shipbuilding and naval architecture.

In 1841 he appeared to the American Institute in New York and proposed a model for a new ship.

He was invited to interview Mr. John Aspinwall, one of New York's China trade princes, who in 1842 signed a contract to build a ship of 750 tons.

The ship was completed in January,

1845, and named the Rainbow. The

Rainbow sailed for China in February,

and was back home again in September.

John Willis Griffiths was born in New York in 1809, and died there in 1882. He was the inventor of the iron screw of his design, and the builder of the United States steamer Princeton, the first twin screw ocean-going vessel, and was the inventor of the process of bending ship timber in a vacuum.

In 1851 he published privately a treatise on naval architecture which received considerable attention in this country, but its merits were recognized in England, and he became a lecturer in Edinburgh university on naval architecture.

spawned and in course of time the mushrooms appear. In this way the beetle provides itself with a food sufficiently tender for its feeble jaws.

Shell We Discard Hyperbole.

In the struggle for the conservation of energy and material we are urged to cut out the hyperbole from our books and writings, says the Chicago Journal. Their use causes us to waste an enormous amount of ink, ink being a physical force. Some nations build up compound words without any rhyme or reason for it, and the English are not immune from this vice. It may be roughly estimated that each of the 2,000,000 people who write English writes "double hyperbole" or something like that every day. Half of the ink used in the world is wasted.

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AMERICAN OF CLEAR VISION

John Willis Griffiths Revolutionized the Science of Marine Shipbuilding and Naval Architecture.

John Willis Griffiths was the man

whose name is almost unknown in this country, but his merits were recognized in England, and he became a lecturer in Edinburgh university on naval architecture.

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