

STAR GAZER

By CLAY R. POLLAN

Your Daily Activity Guide According to the Stars

To develop message for Saturday, read words corresponding to numbers of your Zodiac birth sign.

ARIES MAR. 21-31 655-6679 7476-77	Taurus APR. 21-30 7-19-30-41 31-62-72	Gemini MAY 21-31 114-25-36 47-58-69	Cancer JUNE 21-30 1-18-29-40 61-71-79-83	Leo JULY 21-31 8-17-28-39 50-60-81-84	Virgo AUG. 21-31 12-23-34-46 57-68-88-90	Libra SEPT. 21-30 4-22-33-44 54-65-80-83	Scorpio OCT. 21-31 5-20-31-42 52-63-82-84	Sagittarius NOV. 21-30 9-16-27-38 49-70-78	Capricorn DEC. 21-31 2-13-24-35 45-56-67	Aquarius JAN. 21-31 10-21-32-43 53-64-75	Pisces FEB. 21-29 11-15-26-37 48-59-87-89
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Good Adverse Neutral

PREVIEW DAYS



GO! See What's New for '64
SAVE! On '63 Model Closeouts

CLOSE OUT OF 1963 WASHERS AND DRYERS

Poultry Scientists Discover Method To Increase Egg Size

By DELOS SMITH
UPI Science Editor
NEW YORK (UPI)—What will science do next—now that it can

dictate to the chicken the size of the egg the chicken lays.

It had been a long-sought goal of poultry science and it was reached under pressure, after many failures.

For ages past, hens have been making themselves nuisances to egg dealers, egg handlers and egg users by hanging onto the hen's prerogative of laying eggs of varying sizes.

Eggs have had to be sorted and graded. Countless cake recipes have disappointed because the eggs were too small or too large. Premature midday hunger pangs have annoyingly reminded multitudes that two medium-sized eggs for breakfast are not as nutritionally lasting as two large ones.

Pressure High

These and other egg complaints have kept the pressure high on poultry scientists as they theorized and experimented in search of some reliable technique for persuading chickens to lay eggs of standard size.

No one ever has made an impression on a chicken by arguing. Clearly the only possibility of success hinged on manipulating the chemical means the chicken uses in running up eggs for laying.

Poultry scientists have tried injecting chicken with hormones and other stimulants. But this method had to be ruled out. Either stimulants didn't work or they got into the eggs and were passed on to egg consumers.

The most promising approach proved to be through chicken feed. Eggs are high in protein. It became clear that chickens feeding on feed relatively high in protein laid large eggs, although not consistently nor uniformly.

The amino acids are the building blocks from which chickens (as well as people and all animals) chemically build their own characteristic proteins. And so amino acids were added to high-protein chicken feed.

Results Disappointing

But again the results were disappointing. Egg size generally increased but still there was no consistency even in one hen much less in a flock of hens.

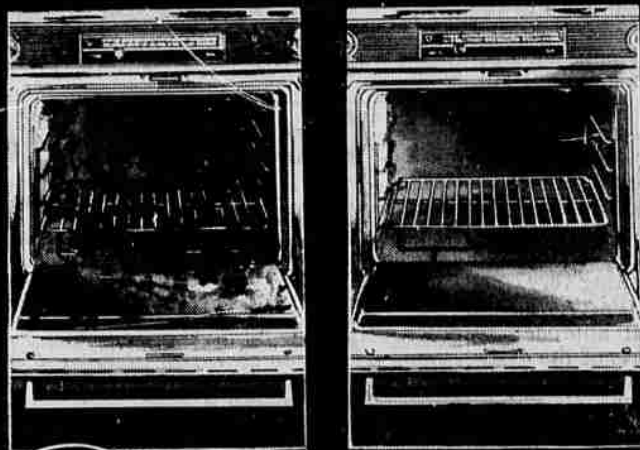
Puzzling over these inconsistencies B. E. March and J. Biely of the Poultry Science Department of the University of British Columbia, Vancouver, theorized that "balance" of amino acids rather than the amounts fed to chickens was the decisive factor.

With 48 white leghorn pullets they proved out the theory. All were fed fixed amounts of grains, distillers solubles, soy bean oil meal and vitamins which added up to a protein diet. The 48 were divided into three groups of 16 each.

Each one of the three got a different formulation of amino acids as a supplement. Over a period of many weeks, the groups were switched around among the three formulations. The result was a clear demonstration that while taking in lysine and methionine, all pullets laid uniformly large eggs.

On the other hand, glycine, another amino acid, "depressed" egg size when it was the only dietary supplement. The whole business worked like a charm. After four days of lysine-methionine intake, the pullets went into large egg production. Four days after they stopped getting those amino acids, they switched back to smaller eggs.

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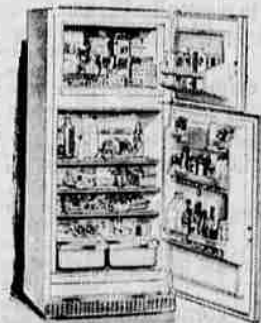
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	Was	NOW
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G.E. TV—Model M720	\$229.95	\$188.88
STEREO—Model RC1672	\$399.95	\$338.88
STEREO—Model RC3435	\$469.95	\$388.88
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