

# Broiler Industry Increases Over Past Quarter Century

By MIKE JACKSON  
Special Writer

During the last 25 years the American public has witnessed many technological advances. These advances have been evident in all American industries. In the field of agriculture there have been many improvements, but none stand out as much as the improvements in the chicken industry.

DR. J. H. QUISENBERRY, the head of the Department of Poultry Science said, "In a 25 year span the broiler industry has come up from raising 63 million birds to the two billion birds they are now producing."

Dr. Quisenberry implied there have been many problems to deal with in raising the chicken industry from what it was 25 years ago. In raising two billion broilers for a year's consumption the breeder must have a large supply of laying hens, and these birds must be selected and raised differently than the bird used for consumption.

TO PRODUCE A good laying hen, the producer wants her to be held back from reaching full sexual maturity, said Quisenberry. It has been learned that if the laying hen is given more time to develop, she will produce larger eggs.

A common question is "What difference does the size of egg have to do with the farmer?" If the egg is not large enough the farmer

cannot afford to raise this bird for meat and will have to sell the egg as an egg. If the egg would have been large enough, he could have hatched it and raised it for consumption. This would mean the difference of about 60¢ lost on a dozen eggs as compared to a dozen of chicks which would have been sold to a feeding enterprise.

## Bryan Daily Eagle Takes Six Places

The Bryan Daily Eagle is one of the best small town papers in the state of Texas if the decision of The Texas Associated Press Managing Editors news contest is any measure.

The Eagle carried off six awards including one first, two seconds and three honorable mentions in the contest held in Austin during the past weekend.

The first place award went to Louise Pairett for page one make-up.

Second place was taken by Jack Graeme, a former Aggie, for short features.

John West, sports editor of the paper, was responsible for the largest amount of the awards as he walked off with three honorable mentions.

THERE ARE two ways to prevent the chicken from reaching sexual maturity. Dr. Quisenberry stated that the first is to keep the amount of feed limited so that the chicken can just get barely enough to stay healthy. The main problem here lies in the fact that the bigger chicks will push the smaller ones away, thus causing a higher mortality rate, and extra employees will be needed to keep out the right amount of feeds.

The second type of program is to feed the chickens low concentrate feeds, in which the chicken can eat all she wants. The problem here lies in the additional cost for feed, since she will not receive enough calories to develop herself completely, she is constantly eating.

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## Prof's Career Influenced By Bright Student

Dr. John J. Sperry, biology professor at A&M University, has been named by one of his former summer high school program students as the "one person who has been most influential in the development of my career."

The student is Nathan Gerald Isgur, 16, of 1309 Avenue J in South Houston.

Isgur attended A&M last summer on a National Science Foundation program for exceptional ability high school students. He has since been selected to the Honors group in the 23rd annual Science Talent Search for the Westinghouse Science Scholarships and Awards for 1964.

WHILE AT A&M, Isgur studied under Sperry, Dr. Fred A. Gardner of the Poultry Science Department and Dr. W. V. Robertson, Department of Biological Sciences.

Isgur's work at A&M led to the research paper, "Bacterial Identification Through Characteristic Electrophoretic Patterns," which won his election to the Honors Group.

"Nathan, the son of Mr. and Mrs. Moses A. Isgur, is a remarkably talented young man, and we hope he decides to come back to A&M," Sperry said.

HE SAID THE STUDENT, in addition to participating in many student and community activities, was in the upper 1 per cent of his class last year.

The annual Science Talent Search is administered by Science Service through the Science Clubs of America. The Search is financed by the Westinghouse Educational Foundation, an organization endowed by the Westinghouse Electric Corporation for promotion of education and science.

Sperry is director of the National Science Foundation's biology program for high school students at A&M.



AGGIE GETS POINTERS  
Norm Garrett briefs Mike Halaburka.

## Senior Recognized For Summer Work

The School of Engineering received recognition this summer by having an outstanding student chosen to work as a salaried engineer with the largest municipally-owned water and power utility in the United States.

Michael J. Halaburka, a senior electrical engineering major, was among 71 outstanding students from colleges and universities throughout the nation who were selected for summer work by the

Los Angeles Department of Water and Power.

Under the student engineer program of the DWP, the students actually worked side by side with the regular engineering staff and were paid for their efforts.

As an employee in the Underground Design Section of the Power System, Halaburka was able to apply his engineering training to practical tasks involved in seeing that the two and a half million people of the City of Los Angeles received electricity when and where it was needed.

In addition to his work, Halaburka was given the opportunity of visiting and studying some of the DWP's huge power facilities and new projects. Halaburka and his fellow student engineers were honored at a recognition dinner at the conclusion of the summer program.

## USDA Economist Returns To TTI As Researcher

Dr. William G. Adkins, a U. S. Department of Agriculture economist at A&M University since 1961, has rejoined the A&M Texas Transportation Institute as a research economist.

The announcement was made by Charles J. Keese, TTI executive officer. Adkins was a member of the TTI staff from 1955 until 1961 when he joined the USDA.

"Dr. Adkins is an outstanding research specialist in the highway economics field," Keese said, in making the announcement. "We are extremely pleased to have him rejoin our staff."

Adkins will be project supervisor of a study involving time and money saved by commercial motor vehicle operators through use of improved highways. The National Cooperative Highway Research Program will sponsor the study.

Author of numerous reports dealing with economic effects of highway improvement, Adkins holds three degrees from A&M, including a recent doctorate in agricultural economics.

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## Woodworking Aids Instructor's Work

When B. M. Hackney can't buy the teaching aid he needs, he makes it in his own shop. The same thing happens when his wife wants new furniture.

Hackney, a member of the Engineering Extension Service at A&M University, trains craftsmen how to teach their skills and knowledge to others. His classroom is set up anywhere in Texas where the need arises.

But a glance around the Hackney household shows why Mrs. Hackney is elated over the handmade furniture.

In the Early-American styled living room, for instance, the Hackney-made additions include a seven-foot "grandfather" clock, a cobbler's bench, a love seat and other chairs, all carved from rock maple. A mahogany bookcase-desk-sterio combination almost covers one wall.

THE WALLS, in addition, are covered with other early American furnishings made in the outdoor shop, which, incidentally, is guarded by a pet crow.

Hackney referred to his woodworking efforts as a means of "keeping in shape for teaching," which is necessary when his students are actually teachers.

His woodworking days date back 25 years, although much of the current furnishings are less than three-years-old. Most of his products are made from maple.

THE EXCEPTIONS include a 17-foot inboard boat and—of all things—a weight reducer for "his friends. The apparatus looks the same as those found in department stores.

With the EES, Hackney and other staff members travel throughout Texas for teaching purposes. When he sees something that could improve his teaching techniques, he makes sketches of the object on paper and duplicates it at home.

He holds a bachelor's degree from Baylor and master's from A&M and is working toward a doctorate. A former Waco public school teacher, Hackney spent 10 years with the Texas Education Agency before coming to A&M "ional work" by a national magazine, as a teacher trainer in 1956.

THROUGH HIS craft work, Hackney has been awarded two gold hammers, given for "exceptional work."

He feels his "hobby" work must meet the "most critical eye" since high standards are emphasized in his vocational industrial classes for teachers.

"Every person should have a hobby," Hackney added. "It's very relaxing, especially if your wife is on the out with you," Hackney added.

His next project? Hackney didn't say, but his wife was checking one of the doors in their modern house that didn't fit right.



## Howdy, My Name Is Joey

Although her first name is Joey, there's no doubt that this starlet is a gal. She's Joey Heatherton, daughter of television actor Ray Heatherton, and she's playing the part of a teenager murderess of her mother's lover in a movie called "Where Love Has Gone."

(AP Wirephoto)

## 21 Firemen Honored Today

Twenty-one firemen who have been volunteers instructors from five to 30 years at the Texas Firemen's Training School, were honored in Dallas Tuesday at a noon luncheon.

The ceremony was held at the White Plaza Hotel during a planning session for the 1964 school, which will be held on the A&M University campus in July.

H. D. Smith, chief of the A&M Firemen training program, said the firemen were presented certificates commending their years of service as instructors.

Two of the men—W. E. Twitty, Lubbock fire chief emeritus, and Roy Simmons, Dallas Fire Department training chief, have completed 30 years of teaching. The 10-year-old school annually attracts firemen throughout the United States. Last year's attendance was 1,823.

Other veterans included Theo H. Fields of Houston, rescue training chief and an instructor for 23 years, and Hugh V. Keepers of Dallas, assistant manager of the fire prevention and engineering bureau and a teacher for 21 years.

Others receiving awards were: C. C. Musick, John Ballew, B. W. McMeen, Field Foster, Charles Polk Player, Charlie Jones, Harold Potts, Harvey Peyton, Vernon B. Tucker, Richard Russell, Mason Bankford, Darrel Johnston, A. I. Cartwright, Vertis Sands, Willie A. Noel, Harold Strain.

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File, wood, 4-drawer, letter-size  
Dictionary, Webster's International, 2nd edition  
Calculator, Monroe, manual, model LX/150  
Machine, accounting, Burroughs F 30  
The above items may be seen in Room 302 of the System Administration Building between 8:00 A.M. and 5:00 P.M., Monday through Friday. Forms to submit bids are available upon request. Telephone Victor 6-4771 for further information. 19112

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May graduates may begin ordering their graduation invitations starting February 3-28, ONLY, Monday thru Friday from 9 to 4 at the cashier's window in the Memorial Student Center. 19216