

NP-5

VALUE OF POULTRY IN THE UNITED STATES

The poultry industry is a \$1,000,000,000 industry ranking fifth in value of all agricultural pursuits. In 1932, at the depth of the depression, it ranked second in value. A peculiarity of the poultry industry is that when times are the hardest it seems to assist in bridging the gap more than any other agricultural industry and this without any subsidizing.

The government has seen fit to appropriate \$100,000 for a laboratory to combat one disease, Fowl Paralysis. This laboratory is to be located at East Lansing, Michigan.

ARIZONA COLLECTION  
ARIZONA STATE UNIVERSITY

VALUE OF POULTRY IN ARIZONA

A conservative estimate of three months ago set the amount of money passed into the trade channels of this state, annually, through poultry as a medium, at \$3,500,000. This did not include the hatchery industry but merely the productive phase of the industry. The hatcheries have a taxable valuation of approximately \$1,000,000.

The following information for Arizona is set forth in the census report of 1935.

|                               |           |
|-------------------------------|-----------|
| Number of farms with chickens | 10,979    |
| Number of chickens raised     | 785,629   |
| Value of chickens raised      | \$510,659 |
| Number of eggs produced       | 3,723,171 |
| Value of eggs produced        | \$878,668 |

From the above it is evident that the value of poultry and eggs alone was \$1,389,327 for that year.

The poultry industry is supplying less than 50 per cent of the State needs at the present time. The other 50 per cent is coming from nearby states. As long as this continues 50 per cent of monies derived from the sale of poultry and poultry products in Arizona is going toward the development of other states rather than Arizona

APPRECIATION OF INDUSTRY IN STATE

That the value of the poultry industry is appreciated by large groups is evidenced by the following:

1. In order to assist in the development of the Seventh World's Poultry Congress to be held at Cleveland, July 28 to August 7, 1939, in which 70 nations will participate, it was necessary to perfect a representative organization. Approximately 60 people contacted agreed in writing to serve in this organization. Arizona's quota of \$500 was raised within the industry in a week's time. The personnel list of this organization is attached.

ARIZONA  
636.5  
Ar 47  
1939  
cap.1

2. In cooperation with the National movement for poultry improvement a State organization of 325 participants is actively engaged in selecting and blood testing their flocks. Seventy-six thousand birds are involved, and it cost each flock owner \$5.00 annually to have this work done.

3. A two-day short course was held at the University for the sole purpose of training inspectors for the State Poultry Improvement Plan. With scarcely any advertising 60 were in attendance for the two days.

THE UNIVERSITY POULTRY DEPARTMENT

The functions of this department are three fold: instruction, experimental, and service work.

Instruction

Each year there are approximately 70 students enrolled in poultry. Past graduates are now found in commercial work with feed companies, teaching agriculture including poultry, county agent work, and on their own farms engaged in commercial poultry.

Experimental Work

During the past few years the experimental work included:

1. Proper date of hatching for best results in egg production, and least mortality.
2. Best methods of feeding and brooding little chicks.
3. Broiler production: best feeds, ages, weights, feeding periods, etc.
4. Comparison protein supplements for egg production: skimmed milk, meat scraps, cottonseed meal.
5. Poultry housing: best design for lowering mortality, most economical floor space, most desirable material, etc. This work was done at Tucson and also in the Salt River Valley.
6. Utilization of cottonseed meal.
7. Effect of forced molt on winter production.
8. Checking up on culling systems.
9. An economic study of poultry in the S.R.V.
10. Effect of various methods of mating on incubation, brooding, egg production, and mortality.
11. The utilization of locally produced grains for poultry.
12. The effect of shade vs. no shade for poultry.
13. Effect of environmental conditions on the egg cycle.
14. Effect of battery brooders on mortality and egg production.
15. Confinement rearing and its effect on poultry.
16. Developing strains resistant to Fowl Paralysis and Pullorum disease.
17. Testing advisability of the "All in One" method of feeding.

cat 26 Aug 1960 GH11

Note: Experimental work requires numerous small pens.

### Service Work

Our service work takes many forms. A half dozen letters or more on information are answered each day. Much time is spent in personal interviews on the many phases of poultry. Many sick birds are examined with the cooperation of the veterinarian.

Our field man last year had 80 cooperators keeping records on 76,000 birds. He also visited these people periodically during the year.

Supervising the blood testing of stock involved 100,000 chicks. A check on this work showed 24 per cent deaths from untested flocks and less than five per cent from tested flocks. This one piece of work alone saved 19,000 chicks valued at 10¢ each.

The field man held 39 meetings with a total attendance of 864 people.

At least 36 popular articles are furnished by the poultry department to the agricultural press yearly.

### ARIZONA EGG LAYING TEST

This work is comparable to the cow testing association work, the difference being that the birds are sent here and tested instead of the tester going to the individual farms.

For this service the poultryman pays \$1.00 entry fee for each bird, pays transportation both ways, and loses the income from egg production for one year's time amounting to \$4.80 a year. Some breeders have entered as many as 90 birds, at a gross cost of \$580.00 per breeder. The fact that some of the same breeders have entered this test for the past 16 years indicates it is of value to them.

This is a poultryman's institution paid for by the poultryman. One-half of one man's time, and one-third of a clerk's time is paid for out of the egg laying test fund. After all other expenses such as feed, medicine, legbands, straw, etc., are paid for, a surplus of from \$200 to \$300 is left annually.

### COMMERCIAL VS. EXPERIMENTAL

If our poultry farm was conducted strictly as a commercial enterprise it would be possible to care for 6,000 laying birds which would return a net revenue of \$6,000. Due to the nature of the experimental and instruction work, which call for many small units, only 1500 layers are carried on the farm. Of course at the same time for eight months in the year from 2,500 to 3,000 young stock is carried to replenish pens.

There are 70 individual pens on the farm at present.

#### Bulletins Published:

- 155 - Poultry in Arizona
- 143 - Molting and Housing Experiments
- 145 - Factors Influencing the Cost of Production of Eggs and Pullets.
- 61 - Turkeys in Arizona
- 84 - Poultry Diseases in Arizona
- 85 - Green Feeds and Green Feed Substitutes for Arizona Poultry
- 97 - Methods for Control of Fowl Pox
- 98 - Poultry Houses and Equipment for Arizona

September 10, 1938

Memorandum to President Atkinson:

The reasons why it is about mandatory that the present university poultry farm be moved from its present location further away from the city are as follows:

1. The present farm is surrounded on the west, south, and east by the City of Tucson. Jefferson Park, bounding the farm on the north, is petitioning to be brought into the city. When this takes place the farm will be entirely surrounded by the city.
2. For the past ten years, during which time this section has developed into a densely populated residential section, innumerable complaints have been made concerning the farm, primarily against the crowing of male birds.
3. In 1922 seventeen acres of land was purchased for the exclusive use of poultry. Since that time encroachments have been made on poultry so at the present time the poultry plant is jammed into a six and one-half acre plot. This intensification has undoubtedly increased diseases and hindered the efficiency of the work.
4. The turkey industry in this state represents a considerable value. It has a right to expect this institution to furnish it experimental information. There has been no space available for this type of work. It is contemplated to use ten acres of the new location for experimental work with turkeys.
5. The present administration building is a basement and sets there as it came out of the cement forms although the original plans called for an upper story and a facing of brick.

Hoping it will be possible to provide adequate funds to transfer the poultry farm to the proposed new location and set it up in such a way that the state can really be proud of one of its minor plants, I am

Very respectfully yours,

(Signed) Harry Embleton

Harry Embleton, Prof. of  
Poultry Husbandry

HE:BBR:C

Twenty-five thousand dollars is being asked for to be expended as follows:

## POULTRY FARM

|  |                    |
|--|--------------------|
| 2 Cottages @ 870 sq. ft. @ \$4 per sq. ft.                     | \$6,960.00         |
| 1 Administration and Instruction Bldg.<br>4800 sq. ft. @ 2.769 | 13,290.00          |
| 1 Well Casing 12" drilled - 150' @ \$5                         | 750.00             |
| 1 Deep Well turbine 400 G. P. M.                               | 750.00             |
| 1 5,000 Gal. Water Tank  | 250.00             |
| 1 Tank Tower 20 ft.  | 250.00             |
| Gates and fencing  | 1,000.00           |
| Architect's Fee  | 1,500.00           |
| Interest   | 250.00             |
| TOTAL  | <u>\$25,000.00</u> |



# ARIZONA STATE COUNCIL

## *Seventh World's Poultry Congress and Exposition*

CLEVELAND, OHIO, U.S.A. ∞ JULY 28 - AUGUST 7, 1939

Honorary Chairman, GOVERNOR R. C. STANFORD, Phoenix

### HONORARY VICE-CHAIRMEN

#### NAT DYSART

President State Farm Bureau, Phoenix

#### DR. P. S. BURGESS

Dean and Director College of Agriculture,  
University of Arizona, Tucson

#### C. U. PICKRELL

Director Agricultural Extension Service  
University of Arizona, Tucson

### EXECUTIVE COMMITTEE

#### HARRY EMBLETON, Chairman

Head Poultry Department  
University of Arizona, Tucson

#### GEORGE G. HAWS, Vice-Chairman

President State Improvement Ass'n  
Hatcheryman, Producer, Mesa

#### CLYDE F. ROWE, Secretary

Poultry Extension  
University of Arizona, Tucson

#### G. S. STOVER, Treasurer

Tucson Chamber of Commerce,  
Hatcheryman, Producer, Tucson

### MEMBERS

#### COCHISE COUNTY

JOE DOWNS, Producer, McNeal

R. R. HARBOUR, Farm Bureau, Willcox

C. N. POSTEN, Chamber of Commerce,  
Douglas

MIKE VUCNICH, Chamber of Commerce,  
Bisbee

EARL SOLMS, Producer, McNeal

#### COCONINO COUNTY

J. D. WALKUP, Sect'y, Chamber of Com-  
merce, Flagstaff

FATHER TROMBLAY, Producer, Williams

#### GRAHAM COUNTY

S. C. PIERCE, Egg Dealer, Safford

C. F. THOMALLO, Sect'y, Chamber of Com-  
merce, Safford

JOE ROGERS, Feed Dealer, Safford

#### GREENLEE COUNTY

MRS. R. D. WILLILAMS, Producer,  
Duncan

#### MARICOPA COUNTY

FRED FETTERLY, Supt. State Fair,  
Fancier, Phoenix

J. ALBERT LIGGETT, Hatcheryman,  
Phoenix

Wm. S. SPRIETSMA, Hatcheryman,  
Phoenix

TERRIS MANLY, Feed Mfg., Phoenix

HARRY BONSALE, Feed Mfg., Glendale

M. E. BEMIS, Chamber of Commerce,  
Phoenix

V. A. VOGEL, Producer, Tempe

LAURA HON, Hatcherywoman, Phoenix

G. L. Lenord, Hatcheryman, Mesa

J. L. HANCOCK, Hatcheryman, Phoenix

ERNEST DOUGLAS, Arizona Producer,  
Phoenix

#### NAVAJO COUNTY

VICTOR GERWITZ, Chamber of Commerce,  
Holbrook

WAITER SHEILLY, Producer, Joseph City

E. E. SWAN, Producer, Joseph City

#### PIMA COUNTY

STEFAN GOLLOP, Producer, Tucson

W. R. WELLS, Hatcheryman, Tucson

E. D. MOODY, Egg Dealer, Tucson

FRANK J. RICKE, Pres. Sou. Ariz. Poultry  
Prod. Ass'n, Producer

MALCOLM MIDDLETON, Feed Dealer,  
Tucson

SAM FALVEY, Feed Dealer, Fancier,  
Tucson

BEN ORMOND, Farm Bureau, Cortaro

ALBERT LENT, Feed Mfg., Tucson

N. B. COBB, Fancier, Tucson

NEAL HAGA, Hatcheryman, Tucson

MRS. J. F. HURLBUT, Fancier, Tucson

U. U. SMITH, Fancier, Tucson

C. E. GEORGE, Producer, Hatcheryman,  
Fancier, Tucson

#### PINAL COUNTY

ROBT. SPRINGFIELD, Teacher, Coolidge

PAUL LAUCKS, Producer, Coolidge

H. J. LOVE, Turkey Producer, Casa Grande

H. H. WRENN, Arizona Farmer, Florence

#### SANTA CRUZ COUNTY

H. J. MALLERY, Chamber of Commerce,  
Nogales

H. S. THURBER, Fancier, Sonoita

#### YAVAPAI COUNTY

MARVIN KEHN, Producer, Chino Valley

#### YUMA COUNTY

GEORGE PICKERING, Chamber of Com-  
merce, Farm Bureau, Yuma