

OKLAHOMA  
 AGRICULTURAL AND MECHANICAL COLLEGE  
 STILLWATER, OKLAHOMA

EXTENSION DIVISION

IN COOPERATION WITH

UNITED STATES DEPARTMENT OF AGRICULTURE

W. D. BENTLEY, DIRECTOR OF EXTENSION AND STATE AGENT

**ANNUAL REPORT OF EXTENSION DIVISION**

I herewith respectfully submit the following report for the fiscal year ending June 30, 1915, of receipts, expenditures and work done by the Extension Division of the Oklahoma Agricultural and Mechanical College, Cooperating with the United States Department of Agriculture.

For the purpose of securing for Oklahoma the greatest possible benefit of the Federal Smith-Lever Agricultural Extension Act, the State Board of Agriculture entered into a cooperative arrangement with the United States Department of Agriculture in July, 1914, uniting under one head the Extension Work of the A. and M. College and the Farmers' Cooperative Demonstration Work of the United States Department of Agriculture in Oklahoma.

In July, 1914, a Memorandum of Agreement was prepared and signed by the A. and M. College authorities and the proper officials of the United States Department of Agriculture setting forth the purpose of the cooperation, the method of procedure and describing fully the organization and plan of work. Under this general project, subprojects were drawn outlining each particular line of work to be carried on and naming the amount of funds to be used for that work. At that time the Extension Division of the A. and M. College consisted of a Dean of Extension (position then vacant) and five assistants. The Farmers' Cooperative Demonstration Work in Oklahoma was being conducted by a State Agent with two assistants, two district agents, forty-three county agents and eighteen women agents.

The Federal records, supplies, correspondence, etc., were removed from Oklahoma City to Stillwater the first week in August, 1914, and they, with most of the records, supplies, furniture, etc., of the College Extension Division were burned in the fire which destroyed Morrill Hall, August 6.

The total resources for the Extension Division for the fiscal year of 1914-15 were:

U. S. Smith-Lever Extension Act .....	\$ 10,000.00
U. S. Department of Agriculture direct appropriation.....	42,000.00
Final allotment from College funds .....	18,114.90
Appropriations by county boards of commissioners, boards of education, railroads, commercial clubs and others .....	32,873.41
	<b>\$ 102,988.31</b>

## EXTENSION DIVISION EMPLOYEES

The following is the list of the Extension Division employes on June 30, 1915, with postoffice address of each and the territory assigned to each:

Name	Title	P. O.	Territory Worked
W. D. Bentley.....	Director of Extension and State Agent.....	Stillwater	State
Jas. A. Wilson.....	Assistant State Agent.....	Stillwater	State
John E. Swaim.....	Assistant State Agent in Charge of Boys' Club Work.....	Stillwater	State
Miss Emma Chandler.....	Assistant State Agent in Charge of Girls' Club Work.....	Stillwater	State
D. B. Tucker, M. D.....	Specialist in Rural Hygiene and Sanitation.....	Stillwater	State
George Wilson.....	Professor of Agriculture for Schools.....	Stillwater	State
D. C. Mooring.....	Principal of Short Courses.....	Stillwater	State
H. R. Hedger.....	Assistant in Boys' and Girls' Club Work.....	Stillwater	State
Miss Lethe Morrow.....	Bookkeeper.....	Stillwater	Office
I. B. Sherman.....	Stenographer.....	Stillwater	Office
Miss Ruth White.....	Stenographer.....	Stillwater	Office
Miss Minnie McCoy.....	Stenographer.....	Stillwater	Office
Miss Ruth Sharp.....	Mailing Clerk.....	Stillwater	Office
V. W. Knowles.....	Specialist in Hog Cholera Work from Bureau of Animal Industry, Washington D. C.....	Oklahoma City	State
Thos. W. Moseley.....	Specialist in Dairying, Bureau of Animal Industry, Washington, D. C.....	Stillwater	State

### District and County Agents

J. M. Daily, District Agent, Muskogee, Oklahoma. East part of State.  
W. L. Martin, Clerk for District Agent.

Name	P. O.	Territory Worked
R. C. Blocker, County Agent.....	Idabel	McCurtain County
Eugene Dickerson, County Agent.....	Nowata	Nowata County
L. H. Fash, County Agent.....	Durant	Bryan County
R. T. Hemphill, County Agent.....	Stigler	Haskell County
I. L. Howe, County Agent.....	Atoka	Atoka County
S. L. Jeffords, County Agent.....	Muskogee	Muskogee County
D. F. Krause, County Agent.....	Wilburton	Latimer County
B. T. Lawson, County Agent.....	Coweta	Wagoner County
J. E. McClure, County Agent.....	Poteau	Leflore County
T. H. Moore, County Agent.....	Tablequah	Cherokee County
E. H. Vincent, County Agent.....	Miami	Ottawa County
A. A. Powell, County Agent.....	Bartlesville	Washington County
F. L. Rounsevell, County Agent.....	Checotah	McIntosh County
E. B. Shotwell, County Agent.....	Okmulgee	Okmulgee County
H. L. Stites, County Agent.....	Pryor	Mayes County
G. E. Thomas, County Agent.....	Vinita	Craig County
G. W. Vincent, County Agent.....	Claremore	Rogers County
J. M. White, County Agent.....	McAlester	Pittsburg County
H. M. Wolverton, County Agent.....	Sallisaw	Sequoyah County

F. F. Ferguson, District Agent, Chickasha, Oklahoma. Southwest part of State.  
Miss F. Petit, Clerk for District Agent.

Name	P. O.	Territory Worked
W. A. Conner, County Agent.....	Frederick	Tillman County
O. C. Cooper, County Agent.....	Chickasha	Grady County
Ben Crawford, County Agent.....	Altus	Jackson County
I. A. Donnelly, County Agent.....	Elk City	Beckham County
Elmo Ellis, County Agent.....	Ada	Pontotoc County
Hiram Garland, County Agent.....	Madill	Marshall County
A. G. Graham, County Agent.....	Marietta	Love County
S. B. Jackson, County Agent.....	El Reno	Canadian County
F. D. Watson, County Agent.....	Mangum	Greer County
James E. Lawrence, County Agent.....	Norman	Cleveland County
George R. Lea, County Agent.....	Pauls Valley	Garyn County
B. B. Mosteller, County Agent.....	Anadarko	Caddo County
I. F. Neely, County Agent.....	Tishomingo	Johnston County
F. F. Parker, County Agent.....	Hobart	Kiowa County
R. L. Scott, County Agent.....	Ardmore	Carter County
L. E. Stewart, County Agent.....	Sulphur	Murray County
W. B. Tucker, County Agent.....	Duncan	Stephens County
J. M. Vanderslice, County Agent.....	Hollis	Harmou County
W. T. Yoakum, County Agent.....	Coalgate	Coal County

C. A. McNabb, District Agent, 305 Federal Building, Oklahoma City, Oklahoma. Northwest part of State.  
Miss Van Buskirk, Clerk for District Agent.

Name	P. O.	Territory Worked
E. Belcher, County Agent.....	Okemah	Okfuskee County
B. F. Brown (colored), County Agent.....	Boley	Okfuskee County
C. W. Callarman, County Agent.....	Oklahoma City	Oklahoma County
B. E. Drake, County Agent.....	Sapulpa	Creek County
Robert Dutcher, County Agent.....	Newkirk	Kay County
C. E. Earnheart, County Agent.....	Tulsa	Tulsa County
J. A. Farquharson, County Agent.....	Guthrie	Logan County
B. M. Jackson, County Agent.....	Guymon	Panhandle Counties
Clarence Roberts, County Agent.....	Enid	Garfield County
H. L. Lair, County Agent.....	Wewoka	Seminole County
S. E. Laird, County Agent.....	Perry	Noble County
B. F. Markland, County Agent.....	Woodward	Woodward County
M. T. Mauldin, County Agent.....	Pawhuska	Osage County
T. A. Milstead, County Agent.....	Holdenville	Hughes County
R. C. Moore, County Agent.....	Shawnee	Pottawatomie County
J. M. Rapp, County Agent.....	Watonga	Blaine County
R. C. Shiffett, County Agent.....	Kingfisher	Kingfisher County
D. C. Warren, County Agent.....	Pawnee	Pawnee County
H. E. Wilson, County Agent.....	Stillwater	Payne County

### Women Agents

Name	P. O.	Territory Worked
Miss Iva M. Burch.....	Bartlesville	Washington County
Miss Anna L. Diehl.....	Okemah	Okfuskee County
Mrs. Elva R. Duvall.....	Oakman	Pontotoc County
Mrs. C. E. Earnheart.....	Tulsa	Tulsa County
Mrs. Jennie Fash.....	Durant	Bryan County
Mrs. B. M. Jackson.....	Guymon	Panhandle Counties
Mrs. A. N. Southwick.....	Enid	Garfield County
Mrs. Virdie E. Moore.....	Shawnee	Pottawatomie County
Mrs. R. A. Morse.....	Coalgate	Coal County
Mrs. Mary V. Niblack.....	Ardmore	Carter County
Mrs. Florence C. Owens.....	Atoka	Atoka County
Mrs. Annie Peters (colored).....	Boley	Okfuskee County
Mrs. Susan E. Pittman.....	Marietta	Love County
Mrs. Mattie I. Royse.....	Elk City	Beckham County
Mrs. Jossie C. Sartain.....	Tahlequah	Cherokee County
Miss Katherine Smith.....	Guthrie	Logan County
Mrs. Nancy C. Stewart.....	Sulphur	Murray County
Mrs. L. B. Whitney.....	Perry	Noble County

It has been the policy the past year to require each county to pay one-half the salaries of both county and women agents, the maximum sum the Extension Division would pay on the salary of a county agent being \$600.00.

### ENCAMPMENT SCHOOL

An encampment school was conducted by the College Extension Division from July 4 to August 9, and its records and the equipment used by it escaped the Morrill Hall fire. This encampment school was held six days at each of the following places: Sallisaw, Ada, Hollis, Cordell and Tonkawa. The total attendance reported at all points was 48,698. This attendance report was secured by making a count of the audience at each morning, afternoon and night meeting.

This encampment school was in charge of Professor Geo. Barnes, assisted by a force of seventeen lecturers. They were equipped with two large tents, twelve head of livestock, and full line of equipment for demonstration lecture work in domestic science, animal industry and farm crop work.

The railroads, with the approval of the State Corporation Commission, moved the entire outfit free of cost and rendered very valuable assistance in many other ways.

The cost of these encampment schools, not including salaries of teachers and lecturers, was \$2,095.00.

## JULY, 1914, AGENTS' MEETING

A five days' agents' meeting was held at the A. and M. College at Stillwater, July 27-31, at which the county agents were notified that hereafter they were to be the joint representatives in their respective counties of the A. and M. College and the United States Department of Agriculture, and that it was expected that the coordinating of State and Federal Extension Work would eliminate needless duplication of work, make for more economical administration, bring about greater efficiency, and better meet the requirements of the Smith-Lever Law.

There were forty-two county agents in attendance at this meeting. The expenses of the agents were paid out of Federal funds, and averaged \$21.53 each, or a total of \$904.27.

### SUMMARY OF RESULTS TAKEN FROM ANNUAL REPORTS OF COUNTY AGENTS

The following summaries are taken from the 1914 annual reports of the county agents, showing average yields per acre in pounds of seed cotton and bushels of grain. A few agents failed to get in their reports in time to be included in this report:

#### Cotton

Total number of cotton demonstrations .....	816
Total number of acres in cotton demonstrations .....	8,945½
Average number of acres in each cotton demonstration .....	10.9
Average yield cotton demonstrations plats, pounds seed cotton per acre .....	994
Average yield on similar land nearby .....	605.7
Difference in favor of farm demonstration plats, pounds .....	388.6

#### Corn

Total number of corn demonstrations .....	890
Total number of acres in corn demonstrations .....	10,400
Average number of acres in each corn demonstration .....	11.6
Average yield per acre in corn demonstrations—bushels .....	29.2
Average yield on similar land nearby .....	16 2-11
Difference per acre in favor of demonstration plats .....	13

#### Grain Sorghums

Total number of grain sorghum demonstrations .....	374
Total number of acres in grain sorghum demonstrations .....	3,905.9
Average number of acres per grain sorghum demonstration .....	10.4
Average yield of grain sorghum demonstrations—bushels .....	32.2
Average yield on similar land nearby—bushels .....	17.8
Difference in favor of demonstration plats—bushels .....	14.4

#### Other Crops

There were 404 demonstrations in other crops with a total of 4,208 acres.

Total number of demonstrations in all crops, 2,484.

Total number of acres in demonstrations, all crops, 28,265.

The average size of each demonstration plat was 11.2 acres.

#### Summary of Work Performed

During the calendar year 1914 the agents made a total of 22,302 visits to the farms of demonstrators and cooperators.

They attended 1,288 public meetings and 637 field meetings, with a total attendance of 67,001, at which they spoke on some phase of the demonstration work.

In the discharge of their duties they traveled 108,016 miles by rail and 110,918 miles by other conveyance.

The above figures do not include the work of the women agents, the reports of their work for seven months having been destroyed in the Morrill Hall fire.

#### Hog Cholera and Cattle Tick Eradication Work

An active campaign for the eradication of hog cholera was carried on. All of the agents, except a few of the new ones, have learned to vaccinate

both hogs and cattle, and have secured sets of instruments of their own with which to do the work.

During the year the county agents have vaccinated a total of 20,272 hogs. The serum-alone treatment was administered to 11,157, and the double or simultaneous treatment was administered to 9,115 hogs. The agents report that a total of 439 hogs died with cholera after treatment, or 2.2% of those vaccinated. This percentage of loss is very low. However, a large percent of the hogs were not infected when vaccinated, and more than half received the single treatment only. This and the fact that the agents all insisted on the adoption of preventative measures accounts for the very low percent of loss. Agents report a total of fifty special hog cholera meetings with an attendance of 1,813 farmers. The agents report the purchase in their respective territories by farmers and others of 122 sets of instruments for vaccinating hogs, and eighty-seven sets of instruments for the vaccination of cattle for blackleg. The agents report having vaccinated 11,582 cattle for blackleg and the building of 138 dipping vats in their respective counties. They assisted the Bureau of Animal Industry agents in the holding of forty-seven special tick eradication meetings with a total attendance of 2,748 people.

Dr. T. P. White, hog cholera specialist of the Bureau of Animal Industry, United States Department of Agriculture, reported for cooperative hog cholera eradication work about July 1, 1914. During the following six months he conducted work in twenty-five counties and made seventy-one public addresses to a total of 7,611 people. He conducted twenty-two demonstrations of preventive treatment. Treated 269 hogs. There was a total attendance of 1,455 farmers at these demonstrations.

In May, 1915, Dr. White was transferred by the department to another State, and Dr. V. W. Knowles sent to continue the work.

Dr. Knowles reports the following work performed between May 19 and June 30, 1915:

Counties in which work was done .....	7
Number of addresses made .....	19
Number illustrated lectures .....	7
Total attendance at addresses .....	1,988
Number of demonstrations preventive treatment with simultaneous treatment ....	1
Number of hogs treated .....	160
Total attendance at demonstrations .....	5
Number postmortem examinations for diagnosing cholera .....	1
Number of farmers and hog raisers personally interviewed .....	137
Number of persons instructed in use of serum preventive treatment .....	6

#### Farmers' Clubs

During the year the county agents have assisted in the organization of 180 farmers' clubs or associations for community improvement and cooperation with a total membership of 5,526.

#### Road Improvement Work

All the county agents assisted more or less in road improvement work. They report attending and assisting in 118 special road improvement meetings with an attendance of 7,916 people. They report the grading and improving of a total of 1,966 miles of road in their respective territories.

#### Cotton Acreage

In the campaign to decrease the acreage to be planted to cotton in 1915 the agents, instead of trying to induce cotton farmers to agree to cut their cotton acreage, have worked to increase the acreage planted to wheat, oats and other winter and early spring-planted crops.

The agents estimate that there was an average of 94% increase in the acreage sown to small grain in their respective counties over last year.

#### Hessian Fly

The damage to wheat by Hessian fly in the northern part of Oklahoma in the spring of 1915 was so serious and its spread to other territory so rapid that the necessity for a systematic general campaign for its control became evident.

Two meetings were called. One at Enid, June 5, and another at Claremore, June 9, to one of which all county agents in wheat territory were authorized to attend. C. E. Sanborn, State Entomologist, E. O. G. Kelly, Hessian fly specialist of the United States Bureau of Entomology, representatives of the railroads and banks interested attended, and an active campaign was planned, which is being carried out.

The expenses of the agents attending these meetings were paid out of Federal funds.

### CHAIR OF AGRICULTURE FOR SCHOOLS

This position was created by special legislative enactment for the purpose of encouraging the teaching of agriculture in the common schools. The law makes the professor of agriculture for schools a member of the Faculty of the Agricultural and Mechanical College. This work was placed under the general supervision of the Extension Division by President J. H. Connell two or three years ago, where it still remains.

Professor Geo. Wilson is now filling the position of chair of agriculture for schools.

For the fiscal year ending June 30, 1915, he reports as follows:

I have lectured to the following number of persons:

	Teachers	Others	Miles Traveled
August .....	619	476	1,278
September .....	170	3,252	835
October .....	19	526	1,000
November .....	553	4,400	1,050
December .....	199	3,509	1,428
January .....	47	2,591	693
February .....	230	1,520	649
March .....	12	482	236
April .....	378	1,254	1,346
May .....	153	1,536	1,221
June .....	5,641	192	2,105

You will find that during the eleven months from August 1, 1914, to June 30, 1915, that 8,021 teachers have been reached, 19,738 other people, or making a total of 27,759. This has been done at a total of 11,951 miles of travel and at a total cost of not to exceed \$2,460.00.

### THE TWENTY WEEKS' SHORT COURSE

The Twenty Weeks' Short Course in Agriculture and Domestic Economy, beginning October 13, 1914, and ending March 13, 1915, was under the supervision of the Extension Division. There was a total enrollment of sixty-eight students, thirty-nine of whom received certificates. The total cost of this course was \$374.71.

Hereafter the Extension Division will not have charge of any courses at the College of more than two weeks' duration.

### JANUARY, 1915, SHORT COURSE FOR FARMERS AND AGENTS

A Farmers' Short Course was held at the College at Stillwater, January 11-16, 1915.

Number of members of Extension force who gave addresses .....	13
Number of members of College Faculty who gave addresses .....	10
Number of outside speakers .....	18
Total number of speakers .....	41
Number in attendance:	
District agents .....	3
County agents .....	49
Women agents .....	13
Number of club members .....	99
Farmers and others .....	481
Total attendance .....	645

The total cost of the 1915 January Short Course was \$1,013.22. Of this amount \$372.58 was for speakers and other miscellaneous expenses, and \$640.65 was used to pay expenses of prize winning boy and girl club delegates. This expense was paid out of College Extension funds.

The expenses of the county and women agents at this meeting were paid out of Federal funds, amounting to a total of \$908.83, an average of \$15.85 each for the county agents and \$14.76 each for the women agents.

### MOVEABLE SCHOOLS

In February, 1915, a moveable school work was begun. The general plan was to spend a week in a county holding two-day schools at three different points—small towns and consolidated school centers to be given the preference. The county agent was to make all the arrangements for the schools in his county and to adapt the work as far as possible to the needs of the people in each locality, and to arrange such other changes from the general plan as in his judgment seemed best. There seems to be a demand for work of this kind, and the results so far are encouraging. The lecturers assisting in this work are:

Name	Title	Address	Time With School
Dr. D. B. Tucker	In Charge Sanitation and Hygiene	Stillwater	85 days
H. R. Hedger	Asst. Boys' Club Work	Stillwater	81 days
J. M. Daily	Dist. Agt., Frms' Coop. Dem. Work	Muskogee	28 days
Jas. A. Wilson	Asst. State Agt. in Charge Dem. Work	Stillwater	25 days
J. S. Malone	President District Agricultural School	Warner	17 days
Dr. V. W. Knowles	U. S. Hog Cholera Specialist	Oklahoma City	16 days
D. C. Mooring	Principal Short Courses	Stillwater	10 days
J. E. Swaim	Asst. State Agent Boys' Clubs	Stillwater	9 days
Dr. Hyatt	U. S. Tick Eradication Work	Claremore	8 days
J. A. Graemiger	Representative Assn. Cement Manufacturers	Kansas City	8 days
Nettie B. Lynch	County Superintendent Schools, Texas County	Guymon	6 days
Geo. Wilson	Chair of Agriculture for Schools	Stillwater	6 days
J. W. Bridges	County Supt. Schools, Harmon County	Hollis	6 days
Dr. T. P. White	U. S. Hog Cholera Eradication Work	Oklahoma City	4 days
Dr. Meade	U. S. Hog Cholera Eradication Work	Muskogee	3 days
W. D. Bentley	State Agt. Farmers' Demonstration Work	Stillwater	2 days
C. A. Burns	Asst. Dairy Dept., A. and M. College	Stillwater	2 days
C. Jensen	Supt. Campus, A. and M. College	Stillwater	1 day
Mr. McDowell	Dairy Expert, Frisco Ry		1 day

County agents in each county accompanied the school in their respective counties.

### Attendance By Counties

	Total Attendance	Number Individuals*	Date
Payne county	1,476	1,000	February 22-27
Pawnee county	891	700	March 8-13
Woodward county	2,615	1,555	March 15-23
Texas county	2,590	1,700	March 24-27
Beaver county	1,904	1,200	March 29-31
Beckham county	2,315	1,600	April 5-10
Harmon county	2,591	1,700	April 12-17
Kingsfisher county	2,760	1,890	May 3-8
Nowata county	1,429	900	May 10-15
Ottawa and Craig counties	1,045	1,000	May 17-22
Haskell county	1,525	950	May 24-29
Muskogee county	747	700	May 31-June 5
Pittsburg county	1,967	1,575	June 7-12
Latimer county	964	700	June 14-19
Mayer county	1,850	1,575	June 28-July 3
Totals	26,669	18,745	

\*Number attending, counting no individual twice.

### Cost of Moveable School

The cost of the moveable school is computed for those representing the College who were actually engaged in carrying on the moveable school work. The expenses and salaries of agents, district agents and other Fed-

eral and local individuals who assisted on the programs are not included here, as these are included in different projects.

### Expenses of College Representatives Are as Follows

	Traveling Expenses	Salary	Total
Dr. Tucker .....	\$ 258.60	\$ 420.00	\$ 678.60
H. R. Hedger .....	255.05	345.00	600.05
D. C. Mooring .....	7.53	60.00	67.53
Geo. Wilson .....	21.97	37.75	59.72
C. A. Burns .....	1.38	7.00	8.38
C. Jensen .....	.96	3.00	3.96
Total cost .....	\$ 545.49	\$ 872.75	\$ 1,418.24

Cost per individual reached, 7.5 cents.

Cost per individual, based on total attendance, 5.4 cents.

Local people contributed much to the success of these schools in the way of transportation, lodging and meals, the value of which approximates \$175.00.

### Summary

Total number of speakers taking part in the programs at various times (not counting the County Agents).....	19
Number of weeks school operated .....	15
Number of counties visited.....	16
Number of places programs were held (rural 20, small towns 53).....	73
Total attendance at all sessions.....	26,669
Number of individuals attending (counting no one twice).....	18,745
Cost of school to College.....	\$1,418.24
Cost per individual reached.....	\$ .075
Value of local aid.....	\$ 175.00

### COLORED WORK

A cooperative agreement was arranged with the State Board of Education to carry on Agricultural Extension Work among colored people in sections of the State where a majority of the people are negroes. This work is carried on in connection with the State Colored Agricultural and Normal University at Langston. This institution is under the management of the State Board of Education.

A colored woman agent was employed to organize and conduct canning clubs for colored girls and women, and in March, 1915, a colored man agent was employed for colored boys and men. The State Board of Education and the Extension Division of the A. and M. College shared the cost of this colored work equally.

### SPECIAL WORK

County agents are frequently called upon to solve problems that only trained specialists are qualified to handle. In these cases the College, the State Board of Agriculture or Federal Department of Agriculture is called upon to furnish a qualified man to solve the difficulty.

An example: In April the citizens of Madill needed the services of a landscape designer to lay out their court house grounds. The county agent called on the Director of Extension for help. Mr. Christian Jensen, the superintendent of the College campus, was sent to Madill and was able to render them very efficient and satisfactory service.

Calls for expert help on veterinary, entomological and marketing problems are most numerous. These calls are filled as far as practicable, the local people usually paying the traveling expenses of the expert sent.

### FAIRS

A great deal has been done to encourage the holding of county and community fairs. The agents report assisting in holding forty-nine community fairs and thirty-two county fairs. Eight hundred and sixty-one club members made exhibits of their club products at these fairs. A total of

ninety-nine county teams of ten boys or girls in the various club contests sent exhibits to the State Fair at Oklahoma City to compete for the premiums offered for county team club work. There were thirty-three teams of ten each in cotton, thirty-three in corn, twenty-three in kafir and ten in canning club work. The total amount won by club members in local, county and State fairs in 1914 was \$11,001.21.

## BOYS' AND GIRLS' CLUB WORK

### Season of 1914

In the various Boys' Clubs for Oklahoma for 1914 there were enrolled 4,757 members. Of this number 1,166 made reports in some form, 400 made complete reports, 226 wrote histories only, and 785 made exhibits at the State Fairs. The total net profit on the crops reported by the boys was \$7,302.19.

In all there were sixty-three counties in the State having members in some or all of the various Boys' Clubs. Forty-two of these counties had men agents to assist in the club organizations.

Due to the fact that the rainfall in 1914 was very unevenly distributed, and as some parts of the State suffered greatly from the drouth, this report is not entirely satisfactory. On account of these conditions many club members failed entirely to make reports, especially in counties where there were no agents.

Reports by clubs are as follows:

<b>Cotton</b>	
Number of boys enrolled.....	1,277
Number reporting in some form.....	440
Average yield per acre, seed cotton, pounds.....	1,142
Average yield in similar land nearby.....	753.5
Average gain in favor of club boys' plats.....	388.5
Average net profit per acre.....	\$ 14.11
<b>Corn</b>	
Number of boys enrolled.....	1,995
Number reporting in some form.....	426
Average yield per acre—bushels.....	36.9
Average yield in similar land nearby—bushels.....	13.3
Gain per acre in favor of boys' plats—bushels.....	23.6
Average cost per bushel to produce.....	24.2
<b>Kafir</b>	
Number of boys enrolled.....	1,019
Average yield per acre—bushels.....	37.8
Average yield in similar land nearby—bushels.....	19.2
Gain in favor of club boys' plats—bushels.....	18.6
Average cost per bushel to produce.....	\$ .40
<b>Pig Club</b>	
Number of boys enrolled.....	466
Number boys reporting in some form.....	58

NOTE.—In computing cost of production, a charge of 10 cents per bushel was made against corn and kafir, and 30 cents per hundred pounds of seed cotton against cotton for plant food removed from the soil by the crop.

### Girls' Canning Club Report for 1914

Number of counties organized in Oklahoma, January 1, 1914, to October 1, 1914....	20
Number of women agents.....	17
Number of girls enrolled.....	1,915
Increase in enrollment over previous year.....	740
Number of counties making reports.....	18
Total number of girls reporting.....	186
Total number of pounds tomatoes reported.....	54,837 3/4
Total number of pounds other vegetables.....	68,232
Total value of fresh vegetables sold.....	\$ 843.95
Total value of fresh vegetables used at home.....	\$ 1,027.75
Total number of glass jars of fruit and vegetables canned for home use.....	5,063
Total number of glass jars of tomatoes canned from one-tenth-acre gardens.....	1,370
Total number of glass jars of other vegetables canned from one-tenth-acre gardens.....	2,399
Total value of all products from one-tenth-acre gardens.....	\$ 2,560.00
Total cost of production—canning, marketing.....	\$ 1,062.10
Total profit.....	\$ 1,605.70
Average cost per member.....	\$ 5.90

Average profit per member .....	\$	8.82
Number of glass jars of fruit canned by club members reporting.....		1,294
Value of all products canned and produced by girls.....	\$	3,193.96
Number of State Fairs at which exhibits were made.....		2
Number of girls having exhibits at State Fairs.....		103
Number of jars of fruit and vegetables at State Fairs.....		2,472
Amount of prizes won by girls exhibiting at State Fairs.....	\$	325.00
Number of girls having exhibits at New State Fair.....		81
Number of jars of fruit and vegetables.....		1,944
Amount of prizes won by girls exhibiting at New State Fair.....	\$	145.00
Total amount of prizes won at two State Fairs.....		470.00
Total value of all products grown on one-tenth-acre plots—vegetables and fruits....	\$	3,193.96

### County and Community Fairs—1914

County contests were held in each county, and at this time the ten best exhibits of each club were selected and sent to the State Fairs, where prizes were granted for team work as well as prizes for the individual members of the counties. In many counties community fairs were held before the county contests. At all of these fairs very generous prizes were given.

The total amount of prizes offered in county fairs was \$7,033.21.

The total amount of prizes offered in the State Fairs amounted to \$2,794.50.

At the Farmers' Short Course in January prizes amounting to \$1,173.50 were awarded.

This makes a total amount of \$11,001.21 given to the boys and girls of Oklahoma as prizes for their demonstration work in the year 1914.

For more complete report of Boys' and Girls' Club work for crop year 1914, see Extension Division Circular No. 5.

### State Fair School

A State Fair School for boy and girl club prize winners was conducted by the Extension Division during the State Fair in Oklahoma City, September 29 to October 3, 1914. The total attendance of boy and girl delegates was 112. The total cost of this School was paid out of College Extension funds and amounted to \$910.62. The boys and girls were kept busy from early morning until late at night attending lectures and inspecting exhibits. They were required to take notes and later to prepare reports of work done.

### Club Organizations for 1915

For the year 1915 we have a total enrollment of all clubs of 11,478 members. This is an increase of 4,806 over the enrollment of 1914. We also have two additional clubs not organized in previous years, namely, Poultry and Better Bread.

The clubs organized in 1915, together with the increase or decrease in enrollment over 1914, is shown by the following table:

	Enrollment 1914	Enrollment 1915	Increase Over 1914	Decrease Under 1914	Percent Increase or Decrease
Corn .....	1,995	2,752	757	.....	37.9
Kafir .....	1,019	1,568	549	.....	53.9
Cotton .....	1,277	798	.....	479	37.5
Pig .....	466	1,133	667	.....	143
Poultry .....	.....	1,741	.....	.....	.....
Canning .....	1,915	1,914	.....	1	.....52
Better Bread .....	.....	1,572	.....	.....	.....

### Interest Good Over State

The interest so far this year has been very good, although it has been a very hard year to get a stand on account of high water. One boy replanted his corn five times and one girl reset her tomatoes six times, and both say they are still in the race and will not give up. The crop conditions, with the exception of cotton, are exceptionally good, and the club members are expecting some enormous yields.

### State Prize List for 1915

The total value of prizes offered in the 1915 State, county and local club contests amounts to \$8,570.00. This large amount of money is contributed by the Extension Department, Oklahoma Bankers' Association,

Cottonseed Crushers' Association, Midland Valley Railway Company, State Fair Association, Stockyards Association, packing houses, publishing houses, mercantile establishments, business organizations, stock breeders and individuals. The value of the prizes range from \$1.00 in value to \$160.00.

Many of our counties are arranging for a free fair this coming fall, and in nearly every case a nice premium list is being offered for the members of the Demonstration clubs.

#### Prizes Offered in 1915 State Contest

Oklahoma State Bankers' Association, Oklahoma City, 5 Cash Scholarships, A. and M. College, \$160.00 each.....		\$	800.00
State Board of Agriculture, Oklahoma City, 532 Short Course Scholarships, State Fair School, \$5.00 each.....	\$	2,660.00	
532 Short Course Scholarships, Farmers' Winter Short Course, \$5.00 each.....		2,660.00	
* Scholarships, A. and M. College, \$100.00 each.....		400.00	\$ 5,720.00
State Fair Association, Oklahoma City, Cash Prizes.....			595.00
State Board of Education, Oklahoma City, 2 Cash Scholarships, A. and N. University, \$100.00 each.....			200.00
Cottonseed Crushers' Association, Oklahoma City, Cash Prizes and Cash Scholarship.....			275.00
12 Others, amounting to a total of.....			980.00
Total value .....		\$	8,570.00

The following is taken from the annual report for the fiscal year ending June 30, 1915, of Professor John E. Swaim, Assistant State Agent in Charge of Boys' Club Work:

"In totaling the value of all the premiums being offered to the members of the Boys' and Girls' Demonstration Clubs for 1915, I find the sum to be \$8,570.00. Last year the various county fairs of Oklahoma gave to the club members \$7,033.21. This year we will hold more county fairs in the State, and on account of the club work being better known to the people and organized in more counties, I am satisfied that the amount offered to our club members will be at least \$10,000.00. This will mean that the 11,478 club members in Oklahoma will receive in premiums for their work this year approximately \$18,500.00.

"Oklahoma is to be congratulated on this excellent showing. There is no State that I know of offering so large a premium list to its club members. This large amount of money, distributed in small prizes to as many members as possible, should be the means of stimulating greater interest in all departments of our demonstration work the coming year.

"Our club members all over the State are taking a great amount of interest in the club work. They are overcoming their hardships and are making good. Although some have had to replant as many as five times, and many have lost their pigs, we have few 'quitters'."

—o—

#### EXTENSION MAIL

Accurate records of the amount of mail sent out from the Extension Division was not kept until February 1, 1915.

Between that date and June 30, 1915, there has been mailed out from the Extension Division:

Personal letters .....	6,123
Circular letters.....	33,484
Bulletins .....	4,052
Packages .....	3,201

The amount of printed matter, circulars and letters sent out from the Extension Division is increasing very rapidly, each month showing an increase over the preceding month.

**SUMMARY STATEMENT OF EXPENDITURES BY PROJECTS, SHOWING CLASSIFICATION OF EXPENDITURES FROM ALL FUNDS USED FOR EXTENSION WORK**

Items of Expense	Admin- istration	Printing and dis- tribution of Publi- cations	County Agents	Home Eco- nomics	Move- able Schools and Farm- ers' Courses	Boys' Club Work	Girls' Club Work	Rural Sanita- tion	Total
<b>Salaries</b> .....	\$ 6,460.73		\$33,397.57	\$ 62.22	\$ 546.00	\$ 1,535.00	\$ 7,566.46	\$ 750.00	\$50,317.98
<b>Labor</b> .....	586.47								586.47
<b>Publications</b> .....		861.16							861.16
Stationery and small printing .....	633.30								633.30
Postage, telegraph, telephone, freight and express .....	313.83								313.83
Heat, light, water and power .....	75.25								75.25
Supplies .....	877.64								877.64
Tools, machinery and appliances .....	13.00								13.00
Furniture and fixtures .....	1,217.65								1,217.65
Scientific apparatus and specimens .....					46.45				46.45
Traveling expenses .....	4,974.71								4,974.71
Contingent expenses .....	582.36								582.36
<b>Total</b> .....	\$15,734.94	\$ 861.16	\$33,397.57	\$ 62.22	\$ 592.45	\$ 1,535.00	\$ 7,566.46	\$ 750.00	\$60,499.80

Funds received from Farmers' Cooperative Demonstration Work and Bureau of Animal Industry are not included in this statement.

**SUMMARY STATEMENT OF EXPENDITURES BY PROJECTS SHOWING SOURCES OF FUNDS USED FOR  
EXTENSION WORK**

Sources of Funds	Admin- istration	Printing and dis- tribution of Publi- cations	County Agents	Home Econom- ics	Moveable Schools and Farmers' Courses	Boys' Club Work	Girls' Club Work	Rural Sanita- tion	Total
Smith-Lever Act .....	\$ 996.20		\$ 5,019.37				\$ 3,071.25	\$ 375.00	\$ 9,461.82
College 2 .....	11,362.44	861.16		87.09	3,894.21	1,535.00		375.00	18,114.90
State appropriation 3 .....			9,394.17				540.84		9,935.01
County appropriation .....			18,984.08				3,964.37		22,948.40
Local communities .....									49.67
Sales and miscellaneous .....	49.67								49.67
<b>Total .....</b>	<b>\$12,408.31</b>	<b>\$ 861.16</b>	<b>\$33,397.57</b>	<b>\$ 87.09</b>	<b>\$ 3,894.21</b>	<b>\$ 1,535.00</b>	<b>\$ 7,566.46</b>	<b>\$ 750.00</b>	<b>\$80,499.80</b>

1. Funds received from Farmers' Cooperative Demonstration Work and Bureau of Animal Industry are not included in this statement.
2. To include all sums devoted to Extension Work in agriculture and home economics by authority of the College.
3. To include all sums specifically appropriated for Extension Work in agriculture and home economics by the State Legislature or other State authority.

## STATEMENT OF EXTENSION DIVISION EXPENDITURES BY MONTHS—JULY 1, 1914, -JUNE 30, 1915

	U. S. Direct		Smith-Lever		State Fund		College Extension		County Commissioners		Citizens		Total		
	Salary	Expenses	Salary	Expenses	Salary	Expenses	Salary	Expenses	Salary	Expenses	Salary	Expenses	Total Salary	Total Expenses	Grand Total
July .....	\$ 3,239.20	\$ 1,216.94					\$ 669.16	\$ 74.65	\$ 766.68		\$ 1,924.95		\$ 6,599.99	\$ 1,291.59	\$ 7,891.58
August .....	3,204.54	306.15					769.15	2,260.52	766.60		1,923.00		6,663.29	2,566.07	9,229.96
Sept. ....	3,230.87	338.69					599.99	498.25	704.18		1,974.95		6,509.99	836.94	7,346.93
Oct. ....	2,700.86	330.88					649.99	1,422.12	624.94		1,554.23		5,605.80	1,762.23	7,368.03
Nov. ....	2,700.86	330.88					669.23	294.96	625.01		1,447.05		5,442.20	625.84	6,068.04
Dec. ....	2,801.64	480.64	13.34				689.99	796.54	624.94		1,480.06		5,609.97	1,277.18	6,887.15
Jan. ....	3,073.54	1,265.33	706.11				689.99	1,766.24	784.48		1,808.81		7,062.93	3,031.67	10,094.50
Feb. ....	2,721.67	362.13	1,152.66				735.53	223.96	977.06		1,865.26		7,483.19	591.11	8,074.30
March ....	2,816.34	373.53	1,490.15				794.16	483.30	652.94		2,193.67		8,252.16	861.53	9,113.99
April ....	2,773.31	326.40	1,658.48				700.83	508.97	979.13		2,226.28		8,338.03	835.37	9,173.40
May ....	2,815.01	369.37	1,665.15				700.83	694.24	1,058.35		2,209.83		8,449.17	1,063.61	9,512.78
June ....	2,810.66	571.93	1,779.74	996.20			763.05	648.18	1,070.78		2,295.31		8,719.54	2,216.31	10,935.85
Total ...	\$34,964.28	\$ 6,282.10	\$ 8,465.62	\$ 996.20			\$ 8,432.95	\$ 9,681.95	\$ 9,935.01		\$22,938.40		\$84,736.26	\$16,960.25	\$ 101,696.51

## SUPPLEMENTARY STATEMENT OF STATE EXTENSION FUNDS

	College	County Appropriation	Local Communities	Sales and Miscellaneous	Total
<b>Dr.</b>					
Receipts from other sources from the United States for the year ended.....	\$18,114.90	\$ 9,935.01	\$22,938.40	\$ 49.67	\$51,037.98
Total .....	\$18,114.90	\$ 9,935.01	\$22,938.40	\$ 49.67	\$51,037.98
<b>Cr.</b>					
By salaries .....	\$ 8,978.95	\$ 9,935.01	\$22,938.40		\$41,852.36
Labor .....	586.47				586.47
Publications .....	861.16				861.16
Stationery and small printing.....	633.30				633.30
Postage, telegraph, telephone, freight and express .....	313.83				313.83
Heat, light, water and power .....	75.25				75.25
Supplies .....	628.97			49.67	678.64
Tools, machinery and appliances.....	13.00				13.00
Furniture and fixtures.....	420.45				420.45
Scientific apparatus and specimens.....	46.45				46.45
Traveling expenses .....	4,974.71				4,974.71
Contingent expenses .....	582.36				582.36
Total .....	\$18,114.90	\$ 9,935.01	\$22,938.40	\$ 49.67	\$51,037.98

## EXTENSION CIRCULARS

It has been impossible to fill all the demands made on the Extension Division during the past year for circulars and bulletins on timely farm topics on account of the entire College supply being burned in the Morrill Hall fire, August 7, 1914. As rapidly as the material could be prepared new circulars have been published. We hope soon to be prepared to fill all demands in this line.

All extension circulars are printed at the College printing plant, and during the past year all of them have been paid for out of College Extension funds.

The following is the list of circulars published during the past fiscal year, giving number published, number pages in each, and the total number of pages printed:

Bulletin	Number Pages	Number Published	Total Pages
Circular on Smith-Lever Bill.....	4	500	2,000
County Farm Bureau.....	4	3,000	12,000
No. 1, Tree Planting.....	4	5,000	20,000
No. 2, Helpful Hints to Poultry Raisers.....	8	5,000	40,000
No. 3, The Hessian Fly.....	4	5,000	20,000
No. 4, The Chinch Bug.....	4	5,000	20,000
No. 5, Report of Boys' and Girls' Clubs, 1914.....	32	5,000	160,000
No. 6, Plans for 1915 Demonstration Clubs.....	12	15,000	180,000
No. 7, Extracts from Report of Extension Division.....	16	5,000	80,000
No. 8, Suggestions for Farming Light Sandy Soils.....	4	5,000	20,000
No. 9, Bermuda Grass.....	4	10,000	40,000
No. 10, Black Rot of Sweet Potatoes.....	4	5,000	20,000
No. 11, Sweet Clover.....	4	20,000	80,000
No. 12, Suggestions for Holding Township and County Fairs .....	8	10,000	80,000
No. 13, The Home Vegetable Garden.....	16	20,000	320,000
No. 14, Exhibits Boys' and Girls' Club Work.....	16	10,000	160,000
Total .....			1,254,000

## PRESENT STATUS OF THE WORK

A new feature of the work this year is Adult Demonstrations for Women in Poultry Work, Labor-Saving Devices and Dairy Work. The women agents report having 241 adult women demonstrators in these lines.

The county agents report having 4,158 demonstrators in all crops. Both the county and women agents consider the Boys' and Girls' Club Work of equal importance with the adult work, and as a rule more striking results are accomplished with boys and girls than with adults.

At this date, June 30, 1915, there are employed fifty-six county agents working full time at an average salary of a little over \$100.00 per month.

There are eighteen women agents working in nineteen counties from four and one-half to twelve months per year. The salary paid women agents is \$75.00 per month.

A fourth district agent has been appointed to help in the supervision of the work.

All agents, both men and women, pay their own expenses and must provide themselves with conveyances at their own expense unless conveyance or travel expenses are furnished by the county or local citizens. During the past year the counties and citizens have in all cases paid one-half the salaries of their agents. It is planned for the next fiscal year for counties or local people to pay one-half the salaries of the women agents, and not less than \$500.00 per year on the salaries of county agents. The Extension Division will pay one-half the salaries of the women agents and \$700.00 per year on the salaries of county agents.

In many cases the counties and local people are furnishing automobiles or other conveyance for their agents as well as office accommodations and other help. As the agent proves his value and efficiency the local people, as a rule, show their appreciation by increasing the financial cooperation for his support.

The willingness of the counties and the local people to furnish funds for the support of the county and women agents is, in our judgment, in most cases, a good indication of the efficiency of the agent. The people as a rule are quick to see and appreciate an efficient county or woman agent.

We are firmly convinced that the county agent plan of conducting agricultural and domestic economy extension work is the most effective means of reaching and of being of service to the great body of farmers that has yet been devised. It is the Oklahoma plan to continue to make the county and woman agent the leading feature of extension activities.

W. D. BENTLEY,  
Director of Extension and State Agent.