

OKLAHOMA
AGRICULTURAL AND MECHANICAL COLLEGE
STILLWATER, OKLAHOMA

EXTENSION DIVISION

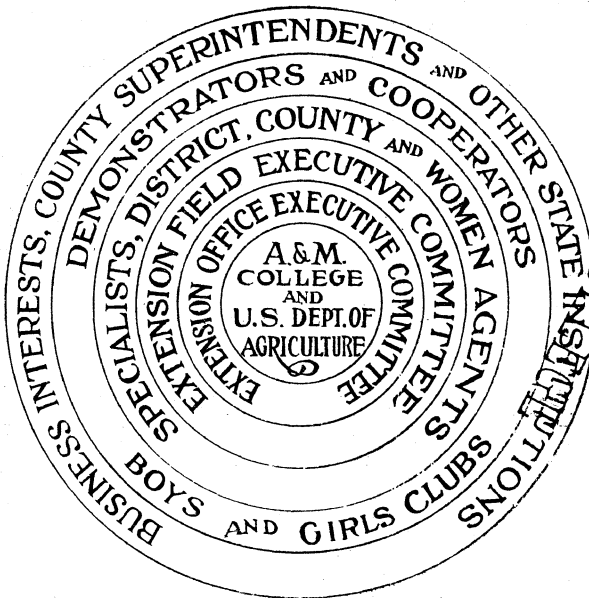
IN COOPERATION WITH

UNITED STATES DEPARTMENT OF AGRICULTURE

JAS. A. WILSON, DIRECTOR OF EXTENSION AND STATE AGENT

ANNUAL REPORT OF THE EXTENSION DIVISION

I herewith respectfully submit the following report for the fiscal year ended June 30, 1916, of receipts and expenditures of the Extension Division of the Oklahoma Agricultural and Mechanical College, cooperating with the United States Department of Agriculture, and a report of the work done up to December 31, 1916.



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PLAN OF ORGANIZATION

Under the Memorandum of Agreement existing between the A. and M. College and the United States Department of Agriculture, setting forth the purpose and plan of the cooperation, projects were drawn in July, 1915, outlining the plan and setting aside a certain sum of money to carry on each particular line of work.

On the first day of July, 1915, the Extension Division consisted of a director and assistant, two assistants in charge of club work, one assistant in club work, one specialist in rural hygiene and sanitation, one specialist

in hog cholera, one specialist in dairying, a professor of agriculture for schools, a principal of short courses, one bookkeeper, four stenographers, three district agents, fifty-seven county agents and eighteen women agents.

The total resources of the Extension Division for the fiscal year 1915-16 were:

U. S. Smith-Lever Extension Act.....	\$ 42,511.78
U. S. Department of Agriculture direct appropriation.....	41,000.00
Final allotment from College funds.....	11,760.21
Appropriation by boards of county commissioners, boards of education, commercial clubs and others.....	43,276.63
Total	\$ 138,548.62

It has been the policy of the Extension Division to pay \$700.00 per annum on the salary of the county agent and \$375.00 on the salary of the woman agent. The county was required to put up at least \$500.00 per annum on the county agent's salary and \$375.00 on the woman agent's salary.

EXTENSION DIVISION EMPLOYEES

The following is a list of the employes of the Extension Division on June 30, 1916, with postoffice address of each and the territory in which each worked. W. D. Bentley was director of Extension and State agent until May 15, 1916, at which time he was transferred to the Washington office, and Jas. A. Wilson became Director of Extension and State Agent, and Ralph T. Hemphill Assistant to State Agent.

Name	Title	P. O.	Territory Worked
Jas. A. Wilson	Director of Extension and State Agent	Stillwater	State
Ralph T. Hemphill	Assistant to State Agent	Stillwater	State
Miss Emma Chandler	Assistant State Home Demonstration Agent.....	Stillwater	State
D. B. Tucker, M. D.	Specialist in Rural Sanitation	Stillwater	State
George Wilson	Professor of Agriculture for Schools	Stillwater	State
John E. Swaim	Assistant State Boys Club Agent	Stillwater	State
Thos. W. Moseley	Specialist in Dairying, Bureau of Animal Industry, Washington, D. C.....	Stillwater	State
C. L. Chambers	Specialist in Pig Club work, Bureau of Animal Industry, Washington, D. C.....	Stillwater	State
Miss Martha McPheeters	Assistant Home Demonstration Agent	Stillwater	State
D. C. Hanawalt	Specialist in Hog Cholera work, Bureau of Animal Industry, Washington, D. C.....	Stillwater	State
Harry Embleton	Specialist in Poultry Club work, Bureau of Animal Industry, Washington, D. C.....	Stillwater	State
W. J. Green	Assistant in Movable Schools	Stillwater	State
Miss Dorothy Sexauer	Assistant Home Demonstration Agent	Stillwater	State
Miss Letha Morrow	Secretary and Office Manager	Stillwater	State
Arthur E. Bentley	Assistant Secretary and Bookkeeper	Stillwater	State
I. B. Sherman	Stenographer	Stillwater	State
Miss Xera R. White	Civil Service Stenographer	Stillwater	State
Miss Minnie McCoy	Stenographer	Stillwater	State
Miss Nellie Knight	Mailing Clerk	Stillwater	State
Miss Julia Donart	Multigraph Operator and Stenographer	Stillwater	State
Miss Ruth Burnham	Addressing Machine Operator and Stenographer	Stillwater	State

DISTRICT AND COUNTY AGENTS

J. M. Daily, District Agent, Muskogee, Oklahoma. Northeast part of State.
J. A. Lathim, Clerk for District Agent.

County Agent	Postoffice	County
E. Belcher	Okemah	Okfuskee
E. Dickerson	Pryor	Mayes
B. F. Drake	Sapulpa	Creek
C. E. Earnheart	Tulsa	Tulsa
Ray L. Graves	Bartlesville	Washington
J. H. Henderson	Sallisaw	Sequoyah
S. L. Jeffords	Muskogee	Muskogee

B. T. Lawson	Wagoner	Wagoner
M. T. Maudlin	Pawhuska	Osage
R. C. Meloy	Tahlequah	Cherokee
E. B. Shotwell	Okmulgee	Okmulgee
G. E. Thomas	Vinita	Craig
E. H. Vincent	Miami	Ottawa
G. W. Vincent	Claremore	Rogers
D. C. Warren	Pawnee	Pawnee
H. M. Wolverton	Nowata	Nowata

F. F. Ferguson, District Agent, Lawton, Oklahoma. Southwest part of State.
Miss Anne Ferris, Clerk for District Agent.

County Agent	Postoffice	County
W. A. Conner	Frederick	Tillman
O. C. Cooper	Chickasha	Grady
Ben Crawford	Altus	Jackson
C. R. Donart	Lawton	Comanche
J. A. Donnelly	Sayre	Beckham
A. G. Graham	Marietta	Love
S. B. Jackson	El Reno	Canadian
Jas. Lawrence	Norman	Cleveland
Geo. R. Lea	Pauls Valley	Garvin
B. B. Mosteller	Anadarko	Caddo
F. F. Parker	Hobart	Kiowa
Carl Russell	Ardmore	Carter
C. C. Stinson	Ryan	Jefferson
W. B. Tucker	Duncan	Stephens
J. M. Vanderslice	Hollis	Harmon
F. D. Watson	Mangum	Greer

C. A. McNabb, District Agent, 305 Federal Building, Oklahoma City, Oklahoma. Northwest part of State.
Mrs. Lillian Downs, Clerk for District Agent.

County Agent	Postoffice	County
B. F. Brown (colored)	Boley	Ellis
J. I. Bunyard	Arnett	Custer
W. J. Burke	Clinton	Oklahoma
C. W. Callarman	Oklahoma City	Oklahoma
W. E. Forrester	Cherokee	Alfalfa
B. M. Jackson	Guymon	Texas
S. E. Laird	Perry	Noble
A. A. McPheeters	Guthrie	Logan
B. F. Markland	Woodward	Woodward
D. T. Meek	Enid	Garfield
J. F. Newsom	Beaver	Beaver
J. M. Rapp	Watonga	Blaine
R. C. Shiflett	Kingfisher	Kingfisher
J. R. Thomas	Medford	Grant
H. E. Wilson	Stillwater	Payne

John M. White, District Agent, McAlester, Oklahoma. Southeast part of State.
W. E. Cleaver, Clerk for District Agent.

County Agent	Postoffice	County
R. C. Blocker	Idabel	McCurtain
Louis Brannin	McAlester	Pittsburg
L. H. Fash	Durant	Bryan
H. Garland	Madill	Marshall
J. B. Hill	Ada	Pontotoc
J. L. Howe	Atoka	Atoka
D. F. Krause	Wilburton	Latimer
R. C. Moore	Shawnee	Pottawatomie
T. H. Moore	Stigler	Haskell
J. F. Neely	Tishomingo	Johnston
F. L. Rounsevell	Checotah	McIntosh
L. E. Stewart	Holdenville	Hughes
Ernest Whitlock	Wewoka	Seminole
I. A. Wyatt	Hugo	Choctaw
W. T. Yoakum	Coalgate	Coal

WOMEN AGENTS

Miss Emma A. Chandler, Assistant State Home Demonstration Agent, has charge of work for Women and Girls.

Name	Postoffice	County
Mrs. Eunice M. Blocker	Idabel	McCurtain
Miss Iva M. Burch	Bartlesville	Washington
Miss Sarah R. Clarke	Claremore	Rogers
Mrs. Nettie R. Coryell	Chickasha	Grady
Miss Anna L. Diehl	Okemah	Okfuskee
Mrs. Elva R. Duvall	Oakman	Pontotoc
Mrs. Della P. Earnheart	Tulsa	Tulsa
Mrs. Jennie L. Fash	Durant	Bryan
Mrs. Ida Gigray	Hobart	Kiowa
Mrs. Lula T. Jackson	Guymon	Texas
Mrs. Virdie E. Moore	Shawnee	Pottawatomie
Mrs. Eva M. Mosteller	Anadarko	Caddo
Mrs. Ollie M. Nipper	Chandler	Lincoln
Miss Alla Parker	Coalgate	Coal
Mrs. Annie Peters (colored)	Boley	
Miss Fannie Reed	Okmulgee	Okmulgee
Mrs. Mattie I. Royse	Elk City	Beckham
Mrs. Josie C. Sartain	Tahlequah	Cherokee
Miss Katherine Smith	Muskogee	Muskogee
Mrs. A. N. Southwick	Enid	Garfield
Mrs. Cora Taylor	Poteau	Leflore

ACTIVITIES OF JAS. A. WILSON

January 1, 1916, to January 1, 1917

Miles traveled by rail	19,107
Miles traveled by other conveyance	775
Total	19,882
Meetings attended	78
Attendance	13,650
Visits to agents	350

ACTIVITIES OF RALPH T. HEMPHILL

January 1, 1916, to December 31, 1916

Miles traveled by rail	19,142
Miles traveled by team	1,297
Total	20,441
Spoke at public meetings	86
Total attendance	10,344

FINANCIAL STATEMENT

Summary statement of expenditures by projects, showing classification of expenditures from all funds used for extension work:

Items of Expense	Total	Adminis- tration	Printing	County Agents	Home Economics	Movable Schools	Boys Club Work	Rural Sanita- tion	Agriculture for Schools	Poultry Club Work
Salaries	\$ 112,874.31	\$ 8,026.08		\$ 81,156.29	\$ 17,119.44	\$ 1,472.50	\$ 1,500.00	\$ 1,500.00	\$ 2,000.00	\$ 100.00
Labor	843.13	902.58			5.05		35.55			
Printing	2,307.38		\$ 2,307.38							
Stationery	1,258.03	1,155.30			71.48		31.25			
Postage, etc.....	65.13	15.53		48.60	1.00					
Heat, etc.....										
Supplies	613.95	427.98			142.79	1.00	38.20			3.98
Library	10.80	10.80								
Tools, etc.....										
Furniture and fixtures	1,234.63	1,207.13			27.50					
Scientific apparatus and specimens	100.00	100.00								
Livestock										
Traveling expenses	17,404.27	876.42		8,380.00	2,805.88	903.32	2,589.18	741.00	814.94	292.54
Contingent expenses	480.00				230.00		250.00			
Total	\$ 137,191.63	\$ 12,621.77	\$ 2,307.38	\$ 89,584.89	\$ 20,403.14	\$ 2,876.82	\$ 4,444.18	\$ 2,241.99	\$ 2,814.94	\$ 396.52

Summary Statement of Expenditures by Projects, Showing Sources of Funds Used for Extension Work

Projects	Total	U. S. D. A.	Smith-Lever		College	County	Other
			Federal	State			
Administration	\$ 12,621.77	\$ 3,647.24	\$ 1,561.90	\$ 3,251.61	\$ 4,161.02		
Printing and distribution of publications	2,307.38		1,299.88	200.00	807.50		
County agents	89,584.89	30,824.10	13,723.94	9,228.76		\$ 25,801.34	\$ 10,006.75
Home economics	20,403.14	3,529.91	6,883.79	1,633.57	887.33	3,194.04	4,274.50
Movable schools	2,376.82	235.95	506.03	685.11	949.73		
Boys Club work	4,444.18	1,466.51	750.00	87.98	2,139.69		
Agriculture for schools.....	2,814.94				2,814.94		
Rural sanitation	2,241.99		1,500.00	741.99			
Poultry Club work	396.52			396.52			
Total	\$ 137,191.63	\$ 39,703.71	\$ 26,225.54	\$ 16,225.54	\$ 11,760.21	\$ 28,995.38	\$ 14,281.25

Total Expenditures of Federal, College and Local Funds for the Year Ended June 30, 1916

	U. S. Direct		Smith-Lever				College Extension		County Commissioners	Citizens		Total		
	Salary	Expenses	Federal		State		Salary	Expenses	Salary	Salary	Expenses	Total Salary	Total Expenses	Grand Total
			Salary	Expenses	Salary	Expenses								
July ...	\$ 2,689.68	1,470.61	\$ 1,931.63	.....	\$ 777.13	\$ 30.72	\$ 424.68	\$ 542.13	\$ 2,202.36	\$ 976.38	\$ 41.67	\$ 9,001.86	\$ 2,085.13	\$ 11,086.99
Aug.....	2,704.99	301.28	2,056.04	\$ 26.05	835.78	120.32	351.10	317.04	2,201.32	1,098.64	41.66	9,247.87	806.35	10,054.22
Sept....	2,701.67	396.75	2,133.75	80.43	891.10	95.69	356.66	434.17	2,444.38	981.21	48.34	9,508.77	1,055.38	10,564.15
Oct.....	2,719.67	284.23	2,100.01	91.41	1,004.14	45.80	356.66	571.37	2,522.40	976.81	51.67	9,679.69	1,044.55	10,724.24
Nov.....	2,657.34	377.50	1,911.25	111.17	1,023.28	112.14	356.66	1,049.44	2,382.67	875.66	51.67	9,206.86	1,701.92	10,908.78
Dec.....	2,645.34	412.35	1,800.73	244.81	1,076.41	190.34	356.66	562.35	2,400.92	781.25	51.67	9,061.31	1,461.52	10,522.83
Jan.....	2,450.02	1,368.68	1,674.86	17.42	1,082.55	65.12	384.16	1,022.98	2,230.35	757.00	71.66	8,578.94	2,545.86	11,124.80
Feb.....	2,499.75	631.72	1,718.82	204.47	1,313.45	104.55	346.66	506.49	2,401.87	870.89	121.67	9,151.44	1,568.90	10,720.34
Mar.....	2,528.48	395.90	1,816.04	351.26	1,434.92	80.37	346.66	895.98	2,535.51	936.19	121.67	9,597.80	1,845.18	11,442.98
Apr.....	2,550.84	344.38	1,850.02	267.89	1,526.35	237.00	346.66	468.58	2,553.34	1,056.30	121.67	9,883.51	1,439.52	11,323.03
May ..	2,535.16	347.36	1,896.10	253.32	1,561.03	304.07	346.66	259.64	2,566.34	1,075.05	121.67	9,980.34	1,286.06	11,266.40
June ..	2,536.67	2,153.34	1,908.95	1,779.11	1,566.45	746.07	338.74	818.08	2,553.92	1,081.19	1,969.66	9,985.92	7,466.95	17,452.87
Total...	\$ 31,219.61	\$8,484.10	\$ 22,798.20	\$3,427.34	\$ 14,092.59	\$2,132.95	\$4,311.96	\$7,448.25	\$ 28,995.38	\$ 11,466.57	\$ 2,814.68	\$112,884.31	\$ 24,307.32	\$137,191.63

Summary Statement of Funds from All Sources for Extension Work Under the Smith-Lever Extension Act, 1915-16

	Total	U. S. D. A.	Smith-Lever		College	County	Other
			Federal	State			
Salaries	\$112,874.31	\$ 31,209.61	\$ 22,798.20	\$ 14,092.59	\$ 4,311.96	\$ 28,995.38	\$ 11,466.57
Labor	843.13	.....	.....	79.19	763.94	.....	.....
Printing	2,307.38	.....	1,299.88	200.00	807.50	.....	.....
Stationery	1,258.03	.....	641.55	.....	616.48	.....	.....
Postage, etc	65.13	48.60	.....	.....	16.53	.....	.....
Heat, etc .....	.....	.....	.....	.....	.....	.....	.....
Supplies	613.95	.....	151.55	179.52	282.88	.....	.....
Library	10.80	.....	10.80	.....	.....	.....	.....
Tools, etc .....	.....	.....	.....	.....	.....	.....	.....
Furn. & fixtures	1,234.63	.....	555.70	.....	678.93	.....	.....
Scientific apparatus	100.00	.....	100.00	.....	.....	.....	.....
Livestock .....	.....	.....	.....	.....	.....	.....	.....
Traveling expenses	17,404.27	8,445.50	667.86	1,674.24	3,801.99	.....	2,814.68
Contingent expenses	480.00	.....	.....	.....	480.00	.....	.....
Total	\$137,191.63	\$ 39,703.71	\$ 26,225.54	\$ 16,225.54	\$ 11,760.21	\$ 28,995.38	\$ 14,281.25

FARMERS WINTER SHORT COURSE

January, 1916

A Farmers Short Course was held at Stillwater at the College, January 3-8, 1916. The program for the Short Course this year was given almost entirely by home people for the reason that we felt that Oklahoma people understood best her problems and local conditions, and were in the best position to solve the problems of successful farming.

Number of members of the Extension force who gave addresses.....	10
Number of members of the College faculty who gave addresses	18
Number of outside speakers from Oklahoma.....	10
Number of speakers from outside of the State.....	2
Total number of speakers.....	40
Number in Attendance:	
Farmers	265
Club members	95
County agents	59
District agents	4
Total attendance	423

At the January Short Course the Swine Breeders put on a Ham and Bacon Show at which prizes were given for the best hams and bacon. A very creditable exhibit was shown.

There was organized at this time the Oklahoma Seed Growers Association, the object and purpose of which is to aid in the production and distribution of home-grown seeds for Oklahoma farms.

The total cost of the 1916 Short Course was \$592.45, of which \$492.45 was used to pay the expenses of prize-winning Boy and Girl Club members. There were seventy-two boys and twenty-three girls in attendance. This expense was paid from the College Extension fund.

The expenses of the county agents at this meeting were paid out of Federal funds and amounted to \$1,075.60, an average of \$18.23 for each county agent. Fifty-nine agents were present.

From January 31 to February 5, 1916, the women agents held their meeting at the College at Stillwater. At this meeting there were sixteen women agents present.

The cost of the women agents meeting was \$260.27, or an average cost of \$16.26.

SUMMER AGENTS MEETING

From June 21 to 28 the county agents were in their annual summer session at the College at Stillwater.

The expenses of the county agents at this meeting were paid out of Federal funds and amounted to a total of \$1,386.28, or an average cost of \$23.10. There were sixty agents in attendance.

During the month of June the women agents held three district meetings of four days each.

The first of these meetings was held at Coalgate from June 5 to 10 with an attendance of seven women. The total cost of the meeting amounted to \$59.03, or an average cost of \$8.72, and was paid out of Federal funds.

The second meeting was held from June 12 to 17 at Chickasha, at which six women were present. The expense of this meeting was paid out of Federal funds, and cost a total of \$77.57, or an average cost of \$12.93.

The third meeting was held at Tulsa from June 19 to 24. At this meeting there were eight women present. The expenses of the meeting were paid out of Federal funds and cost a total of \$121.42, or an average cost of \$15.17.

The total cost of these three district meetings was \$258.02.

District meetings were held by the county agents, for three days each, in the territory of each of the four district agents.

The first of these meetings was held in District Agent J. M. Daily's territory at Muskogee on the 9th, 10th and 11th of August. The cost of this meeting was paid out of Federal funds and amounted to a total of \$90.96. Sixteen agents were present.

The second of these meetings was held in District Agent F. F. Ferguson's territory at Lawton on August 16, 17 and 18. At this meeting there were fifteen agents present. The cost of this meeting was paid out of Federal funds and amounted to a total of \$151.55.

The third meeting was held at Hugo, in District Agent John M. White's territory, August 23, 24 and 25, and was attended by sixteen agents. The cost of the meeting was paid out of Federal funds and amounted to a total of \$164.51.

The fourth and last meeting was held at Enid, in District Agent C. A. McNabb's territory, August 30, 31,-September 1, and was attended by sixteen agents. The total cost of the meeting amounted to \$155.32, which was paid out of Federal funds.

The object of these meetings at this time was to encourage a special campaign on account of the unusual boll weevil condition in the cotton districts, and in order to instruct the agents in the northwest district regarding an unusual condition that existed on account of the green bug and hesian fly.

COUNTY AGENTS' REPORTS

During the year 1916 the county agents carried on demonstrations with the various grain crops which were best adapted to their particular locality. These demonstrations were conducted on different farms under the instruction of the county agents, and the records were kept by the farmers, assisted by these agents.

The following table shows the number of demonstrations in each crop, the number keeping a record of their crop and reporting, the average yield on the demonstration, and the average increase over other farms in the same locality:

Crop	Number Demonstrators	Number Demonstrators Reporting	Total Acres in Demonstration	Average Yield	Increase of Demonstration Over Adjoining Fields
Corn	622	491	8,073	34.11	13.04
Kafir	192	124	1,601	26.78	13.10
Milo	47	28	373	32.95	20.05
Feterita	6	4	36	30.00	17.50
Cotton	462	311	5,916	821.49	297.05 lbs.
Oats	145	98	2,509	35.54	13.19
Wheat	141	103	4,219	18.43	7.34
Barley	23	16	351	28.75	16.00
Alfalfa	80	57	1,353	3.69	1.11 tons
Sweet clover	136	89	762.5	2.21	.94 tons
Sudan	144	81	792	3.53	1.61 tons
Sorghum	11	7	305	8.4	4.37 tons
Millet	2	2	35		
Cowpeas	81	60	995		
Peanuts	218	105	1,461	Seed (bu.) 9.6 Cured hay (tons) 1.75 Seed (bu.) 37.82 Cured hay (tons) 1.55	Seed (bu.) 3.3 Hay (tons) .6 10.66
Sweet potatoes	16	11	55	114.17	
Irish potatoes	54	48	157	112.46	
Lespedeza	1	1	6		
Bermuda	9	5	85		
Red clover	5		5	3.00	
Mixed clover & grass	2	1	50	1.00	
Rye	10	9	118	16.60	6.75

Home Orchards.—The agents report having carried on sixty-eight demonstrations in orchards, forty-one with apple and twenty-seven with peach. The total number of trees in these demonstrations was 17,403.

Horses.—One hundred and four purebred stallions, forty-four jacks and 188 brood mares were brought into the State during the past year through the influence of the county agents. There were fourteen demonstrations conducted in the feeding of horses and mules.

Dairy Cattle.—Through the influence of the county agents 247 purebred bulls, 916 purebred cows and heifers and 2,888 grade dairy cows were brought into the State for breeding purposes. One thousand three hundred and forty-nine cows have been tested to determine whether or not they were profitable milk producers. Eight creameries have been established during the year, and twelve cream routes.

Beef Cattle.—Agents report having brought in 733 purebred bulls, 3,065 cows and heifers, and 4,940 head of grade cows. One hundred and seventy-two herds of beef cattle were started for breeding purposes and 9,576 head of cattle were brought into the State for feeding purposes.

Hogs.—During the year agents report having brought into the State 548 boars and 2,048 sows or gilts. Due to the influence of the county agents 2,004 farmers were induced to start grazing crops for their hogs.

Sheep.—County agents report that they have been responsible for bringing into Oklahoma 107 purebred rams and 745 ewes, and that there have been brought into the State 6,471 grade ewes for breeding purposes during the past year. One hundred and fifty-one flocks have been started.

Poultry.—On 1,726 farms the care and management of poultry has been improved through the influence of the county agents. The number of birds on these farms was 83,990.

Livestock Diseases and Pests.—Cattle—During the past year agents have been instrumental in the treatment of 82,291 cattle for blackleg, 4,588 for anthrax, 3,196 for tuberculosis, and 1,539 for digestive and other troubles.

Hogs.—Single treatment was given for cholera to 8,318 head, the simultaneous treatment was given to 60,705 head, and 13,350 head were treated for worms.

Horses.—Two hundred and fifty-four head were treated for distemper, seven head for meningitis, seventy-eight head, for digestive ailment, and ninety-two head for accidents. They also treated 200 for anthrax.

Organization.—One hundred and forty farm clubs, with a total membership of 5,802, have been organized by the county agents during the year.

Hog Cholera and Tick Eradication Work.—The active campaign for the eradication of hog cholera, which was begun in 1915, was carried on through the fore part of 1916, but, owing to the fact that there was very little cholera in the State during the months of May and June, on June 30 the work was discontinued. On April 1 Dr. V. W. Knowles, who had been in charge of this work resigned and was succeeded by Dr. D. C. Hanawalt, who conducted the work until June 30. During the remainder of the summer and fall there has been practically no hog cholera of any consequence within the State and for this reason little has been done along this line. The tick eradication work is being pushed as rapidly as possible, and the county agents are lending all the assistance they can toward the completion of this work. They helped to build twenty-five vats and influenced the building of seventy-four vats.

Road Improvement Work.—Practically all the county agents have assisted in the improvement of roads. They report 192 demonstrations of road improvement, and were instrumental in the improvement of 1,262 miles of road.

Miscellaneous.—During the year's work the county agents have traveled a total of 142,390 miles by rail, 120,530 miles by team, and 146,672 miles by other conveyance, making a total of 409,592 miles. They were called upon in person by 34,446 individuals, and were called over the telephone 21,492 times; 3,556 farmers meetings were addressed by the county agents with a total attendance of 176,928; and 1,040 field meetings were held with a total attendance of 15,369 people. The agents report that 6,000 farmers did fall plowing this year as a result of their work, and that 7,317 are selecting their seed in the field; also that 1,110 farmers are growing improved seed for sale under their direction.

MOVABLE SCHOOLS

Movable schools have been carried on in counties where agents were located. The plan has been to spend a week in a county. Three rural communities were selected in each county and two-day meetings of the school were conducted at each place. All arrangements and the program were in charge of the county agents, and the work was adapted to the particular interests of each locality. It has been the policy to use the spare time of the specialists in this work. The demands for the work have grown until it became necessary to put on two extra assistants—a specialist in domestic science and one on field crops.

The plan of the work has been to give practical demonstrations along the various lines of farm work. Ralph T. Hemphill, Assistant to the State Agent, is in charge of the school. On May 15, 1916, W. J. Green was appointed assistant in movable school work. Those who assisted with the school during the year, July 1, 1915, to June 30, 1916, are as follows:

Persons Assisting in Movable School Work

Name	Title	Address	No. Days With School
Ralph T. Hemphill	Assistant to State Agent	Stillwater	93
Dr. Dixie B. Tucker	Specialist in Rural Sanitation	Stillwater	77
W. J. Green	Special Assistant	Stillwater	75
Miss Dorothy Sexauer	Assistant in Home Demonstration Work	Stillwater	31
George Wilson	Professor of Agriculture for Schools	Stillwater	17
John M. White	District Agent	McAlester	22
Miss Martha McPheeters	Special Assistant in Home Economics	Stillwater	15
Miss Emma Chandler	Assistant State Agent in Charge Home Demonstration Work	Stillwater	8
Dr. Biles, V. S.	Hog Cholera Eradication Work	Muskogee	6
J. M. Daily	District Agent	Muskogee	8
J. S. Malone	President Warner State School of Agri- culture	Warner	5
C. H. Rickard	Instructor in Manual Training, Warner State School of Agriculture	Warner	5
Dr. V. W. Knowles, V. S.	Hog Cholera Specialist	Oklahoma City	4
Dr. McNally, V. S.	Hog Cholera Eradication Work	Muskogee	4
Glen Briggs	Senior Student, Oklahoma A. and M. Col- lege	Stillwater	3
C. A. McNabb	District Agent	Oklahoma City	6
F. F. Ferguson	District Agent	Lawton	2
Miss Edith Allen	Specialist in Home Economics	Stillwater	2
J. E. Swain	Assistant State Agent, Charge of Boys Clubs	Stillwater	5
C. L. Chambers	Specialist in Pig Club Work	Stillwater	5
H. Embleton	Poultry Specialist	Stillwater	8
Dr. D. C. Hanawalt, V. S.	Hog Cholera Specialist	Oklahoma City	2
Thos. W. Moseley	Specialist in Dairying	Stillwater	2

Jas. A. Wilson	Director of Extension and State Agent.....	Stillwater	4
W. D. Bentley	Director of Extension and State Agent	Stillwater	1
Miss Mamie Russell	Instructor in Home Economics, Oklahoma A. and M. College	Stillwater	4
N. T. McAlester	Frisco Demonstration Agent	Ada	4
Otis Wade	State Nursery Inspector	Oklahoma City	2

Counties in Which Movable School Operated

County	Total Attendance	Total Individuals	Date
Coal	930	800	July 26-31, 1915
Atoka	877	787	August 2-7, 1915
Bryan	371	356	August 9-14, 1915
McCurtain	714	567	August 16-21, 1915
Pontotoc	2,550	2,450	August 23-28, 1915
Leflore	1,343	1,101	August 30-September 4, 1915
Love	933	877	November 1-6, 1915
Johnston	3,174	2,755	November 8-13, 1915
Murray	1,268	1,186	November 15-20, 1915
Pottawatomie	2,261	2,191	November 29-December 4, 1915
Grant	1,225	1,125	January 24-27, 1916
Woods	1,050	1,050	
Weatherford Normal School..	1,917	725	April 11-12, 1916
Edmond Normal	3,800	2,205	
Washington	300	275	April 18-21, 1916
Okfuskee	855	600	May 9-12, 1916
Ottawa	565	515	May 16-19, 1916
Muskogee	825	825	May 30-June 3, 1916
Craig	1,060	835	June 5-8, 1916
Osage	900	785	June 12-16, 1916
Seminole	750	560	July 3-7, 1916
Hughes	840	705	July 10-15, 1916
Pontotoc	1,325	1,220	July 17-22, 1916
Choctaw	925	885	July 24-29, 1916
Atoka	325	215	July 30-August 4, 1916
Coal	1,445	1,125	August 7-12, 1916
Latimer	920	690	August 14-18, 1916
Rogers	1,670	1,185	October 30-November 3, 1916
Kay (Chilocco School)	2,160	700	November 8-10, 1916
Pittsburg	677	507	November 13-18, 1916
Haskell	802	687	November 20-25, 1916
Oklahoma	1,785	1,245	December 4-8, 1916
Total	40,542	31,734	

Summary of Movable School

Total number of speakers (not including county agents)	28
Number of weeks school operated	32
Number of counties visited	32
Number of places school was held—	
Rural schools	58
Small towns	81
Total attendance at all sessions	40,542
Total number of individuals in attendance	31,734

The cost of the movable school is computed for those representing the College. District and county agents' and specialists' salaries and expenses are shown in other places in this report:

Salaries	\$ 2,720.00
Supplies	14.55
Traveling expenses	1,805.87
Total	\$4,540.42
Cost per individual reached	\$.14
Cost per individual based on total attendance .....	.11

HOME DEMONSTRATION AGENTS

Adult Work.—The work for women is under the supervision of Miss Emma A. Chandler. During the past year there were twenty-three women agents employed, who traveled a total of 25,373 miles by rail and 44,061 miles by team. They held 1,371 meetings with a total attendance of 45,549 people.

The women agents conducted Home Demonstration and Girls Club work. In the Home Demonstration work they enrolled a total of 737 women demonstrators. During the season these adult demonstrators, under the direction of the women agents, canned 63,682 cans of fruit and vegetables. The following labor-saving devices were made by these demonstrators:

Fireless cookers forty-six, iceless refrigerators forty-five, flytraps 223, ironing boards sixteen, wheel trays two, water systems thirty-one, and 171 houses were screened.

During the year the women agents conducted 100 canning demonstrations, sixty-four fireless cooker demonstrations, forty-eight breadmaking demonstrations, twenty-two demonstrations in preparing iceless refrigerators, forty-four demonstrations in the sorting and candling of eggs, and forty-nine in vegetable cookery.

There were 506 adult poultry demonstrators who raised a total of 18,328 chickens.

GIRLS CLUB WORK

In the Canning Club work there was a total enrollment of 1,885 girls, who put up a total of 5,835 containers of tomatoes, 1,281 containers of soup mixture and relish, and 751 containers of other vegetables, making a total of 7,867 containers from their 1-10-acre of gardens. Their reports show an average profit of \$8.43 per member.

In the Bread Club there were 2,149 girls enrolled. Two hundred and forty-three exhibits were made by these club members at township and county fairs at which there was a total of \$202.73 won in prizes.

In the Poultry Club there was a total enrollment of 2,305 members. These Poultry Club members hatched 13,221 chicks out of 17,691 eggs set, of which number they raised to weaning 7,305 birds.

BOYS CLUB WORK

The Boys Club work is under the direction of Mr. John E. Swaim. The enrollment in the different clubs is as follows:

Corn, 2,738; Grain Sorghum, 1,119; Cotton, 1,236; Peanut, 912; Rotation, 353; Pig, 2,058; Calf, 12; Farmmakers (colored), 375 and Poultry 776; making a total membership of 9,579.

Two thousand five hundred and forty-four boys (28%), finished the year's work, while 1,443 boys submitted complete reports of their work.

There was a total premium list offered for the boys work of \$12,919.23. The first prize-winners in each county were given a scholarship to the State Fair School at Oklahoma City, and this was attended by 111 boys. The second prize-winners in the different counties were given scholarships to the Short Course at the A. and M. College, and this was attended by sixty-six boys.

The 2,738 boys in the Corn Club produced an average of 35.8 bushels of corn per acre at an average cost of 39 cents per bushel. The boys in the Grain Sorghum Club produced an average of 27.4 bushels of grain per acre at an average cost of 46 cents per bushel. The boys in the Cotton Club produced an average of 941.9 pounds of seed cotton per acre at an average cost per pound of lint of 7.3 cents.

COLORED WORK

The cooperative agreement existing between the Extension Division and the State Board of Education was carried on throughout the fiscal year 1915-16 among the colored people in the different sections where they were the most numerous. This work is carried on in cooperation with the State Colored Agricultural and Normal University at Langston, this institution being under the management of the State Board of Education.

The colored man and woman agents employed last year continued in the work. The State Board of Education and the Extension Division of the A. and M. College share the cost of this work equally.

FAIRS

The Extension Division of the A. and M. College undertook this year to furnish judges free of charge to all the fairs that asked for them. The calls were so numerous that it became necessary for us, in order to serve the greatest number of people, to restrict the work of the Extension force to the county fairs. There were forty-seven county fairs held in the State this year, practically all of which were held during the month of September, and a large number of which were held the week of September 11 to 16.

At these fairs the members of the Extension force undertook to break away from the old practice of judging the agricultural products and livestock without making any comments, and at almost all of these fairs the judges were followed by large crowds of interested people.

THE WORK OF SPECIALISTS

Rural Sanitation.—This work has been carried on by Dr. Dixie B. Tucker, a specialist in sanitation and hygiene. Her energies are directed mostly toward rural communities. During the year she traveled by rail 9,811 miles, by private conveyance 1,829 miles, held 228 meetings, with a total attendance of 45,316 people. Her efforts have been to try to correct the defects in sanitation in the rural districts, to encourage good drinking water, flyless toilets, and the eradication of the mosquito.

Chair of Agriculture for Schools.—The Legislature created the Chair of Agriculture for Schools, and it has to do with the encouraging of the teaching of practical agriculture and vocational training in the common schools. Professor George Wilson is in charge of this work. During the year he reports that he traveled 16,725 miles, spoke to 15,764 teachers and 63,143 other people.

Dairying.—Work in dairying has been carried on in the tick-freed area by Thomas W. Moseley, through cooperative agreement with the Bureau of Animal Industry, Washington, D. C. Mr. Moseley has carried on his activities along the lines of cooperative cream marketing organizations, cow testing associations, cooperative creamery organizations, and improved breeding associations.

Poultry Club.—On April 1, through cooperative agreement with the Bureau of Animal Industry, Washington, D. C., Harry Embleton, a poultry specialist, was employed. During the eight months he traveled 20,847 miles by rail, 1,317 by auto, spoke at 121 meetings with a total attendance of 8,305 people. He assisted in organizing six poultry organizations and one marketing association.

Home Economics Specialist.—In January, 1916, Miss Martha McPheeters was employed to assist in the home economics work, and her activities have been largely confined to assisting with the supervision of the women agents and in carrying on with them demonstrations in the rural communities.

Later on it became necessary to employ another specialist in this department, and in July Miss Dorothy Sexauer was employed as another assistant. Practically all of her work has been with the movable school, the report of which department is included elsewhere.

Pig Club Work.—The cooperative agreement that existed in 1915 with the Bureau of Animal Industry, was continued throughout 1916, and we retained the services, through this agreement, of C. L. Chambers, who has been in charge of the Pig and Calf Clubs.

In the Pig Club there was an enrollment of 2,058 members, of which number 630 sent in reports. In the fattening phase of the Pig Club there was an average gain per pig of 154.7 pounds during the contest. The cost per pound was 6.6 cents. In the breeding phase 618 pigs were farrowed with an average of 7.4 pigs per litter.

The Calf Club work was not pushed to any extent for the reason that it did not seem best to begin a Calf Club at this time. There were a few boys, however, who were anxious to get into the Calf Club work, and they were permitted to join.

During the year 157,268 pages were run off on the multigraph.

During the year Mr. Chambers reports having traveled 28,450 miles and addressed 9,540 people.

EXTENSION MAIL

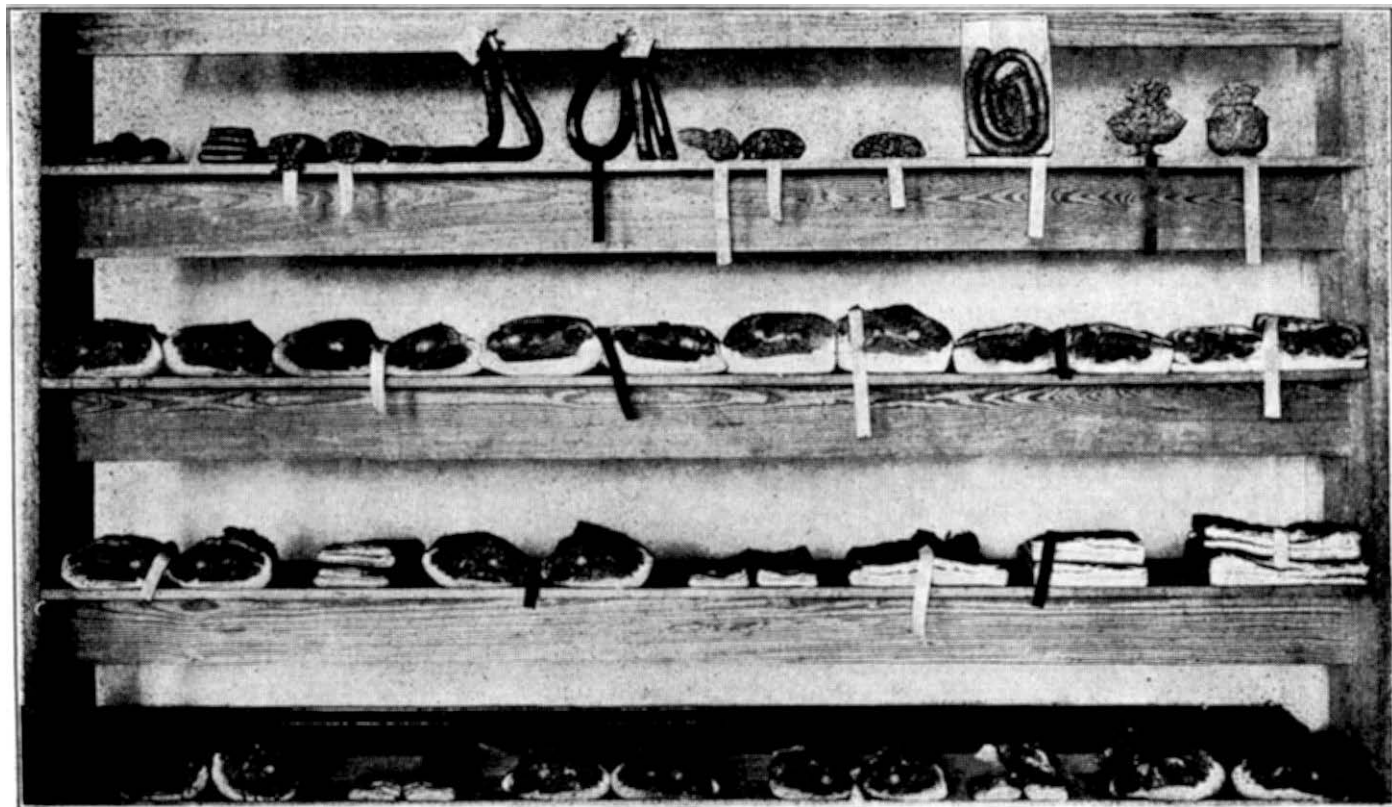
During the year 1916 there was sent out from the office of the Extension Division 18,832 personal letters, 154,197 circular letters, 24,421 bulletins and 8,129 packages, making a total of 205,579.

The list of bulletins published is as follows:

	Number Pages	Number Published
Circular No. 32—Cotton in Oklahoma	8	15,000
Circular No. 33—Report of Extension Division, 1915	16	5,000
Circular No. 34—How Every Farmer Can Keep a Few Bees and Have Honey at Very Little Cost	4	5,000
Circular No. 35—Sweet Potatoes	12	5,000
Circular No. 36—Breakfast Cereals—Lesson No. 13	4	5,000
Circular No. 37—Methods of Improving Cotton by Seed Selection On the Farm	8	10,000
Circular No. 38—Spray Calendar	1	2,000
Circular No. 40—Hog Cholera Control in Oklahoma	4	6,000
Circular No. 41—Insect Pests	76	3,000
Circular No. 42—Ornamental Shrubs for Oklahoma	4	5,000

Respectfully submitted,

JAS. A. WILSON,
Director of Extension and State Agent.



Exhibits at Ham and Bacon Show, Farmers Winter Short Course, December 27, 1916, to January 4, 1917

