Budget Bureau No. 42-R313.3
Approval expires July 31, 1949

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS
DIVISION OF EXTENSION AND INDUSTRY

Phoenix Office

ANNUAL REPORT OF EXTENSION WORK

Report of HOPI
(Jurisdiction)

HOPI
(Reservation)

ARIZONA
(State)

From January 1, 1948 to December 31, 1948

RECEIVED
INDIAN EXTENSION SERVICE
JAN. 4 1949
PHOENIX, ARIZONA

Signatures:

[illegible] 31-49
(Extension Worker) (Date)

(Superintendent) (Date)

HP1123

1. Total number resident Indian families (enrolled and non-enrolled)	2. Summary of Agricultural Operations		
	Total value of sales	Value of products consumed in home	Total Gross Agricultural Indome (A + B)
	A	B	C
720	$[illegible]7,112	$164,066	$371,173

3. Distribution of Families by Estimated Gross Agricultural Income From Own Production

Total number having Agri. income	Number of families having agricultural income						
	Under $250	$250 to $499	$500 to $749	$750 to $999	$1,000 to $1,249	$1,250 to $1,499	$1,500 and over
A	B	C	D	E	F	G	H
570	191	149	71	56	60	25	18

Distribution of Families by Number of Livestock Owned

Kind of Stock	Number of families having														
	None	1-5	6-10	11-20	21-30	31-40	41-50	51-75	76-100	101-150	151-200	201-300	301-400	401-500	Over $500
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
4. Cattle, beef	611	15	24	33	26	5	5	2	2		1				
5. Cattle, dairy	720														
6. Sheep	503	[illegible]	[illegible]	40	23	13	25	44	27	16	5	1			
7. Goats	701	19													
8. Swine	702	18													

Livestock Products

Item	Unit	Production		Sales			Used on Farms and Homes	
		Quantity	Value $ (Gross)	Quantity	Unit Price	$ Received	Quantity	Value $ (Gross)
		A	B	C	D	E	F	G
9. Eggs	doz.	21,666	14,032	720	.65	468	20,946	13,614
10. Milk	gal.							
11. Butter Fat	lbs.							
12. Wool	lbs.	54,750	16,425	53,670	.30	16,101	1,080	324
13. Fleeces	no.		xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
14. Hides	lbs.	9,090	1,136	8,090	.1250	1,011	1,000	125
15. Other (Spec[illegible])	lbs.	5,732	573	4,606	.10	461	1,126	112
16. Brought forward Item #26 (Col. [illegible])				xxxx	xxxx	101,978	xxxx	xxxx
17. Brought forward Item #26 (Col. [illegible])				xxxx	xxxx	xxxx	xxxx	[illegible],340
18. Total Livestock & Livestock Products				xxxx	xxxx	[illegible]019	xxxx	[illegible]

Agency [illegible] Reservation [illegible] Year [illegible]

HP1124

Agency Hopi Reservation Hopi Year 19 48

Item	Opening Inventory (Number)	Acquisitions (Number)					Reductions (Number)				
		Born & brought on hand	Purchases & gifts	Class changes	Inventory adjustments	Born and died	Died, lost, stolen	Transfer-redemptions	Sales (live)	Sales (dressed)	
	A		C*	D	E	F	G	H*	I	J	
19. Cattle, beef, total	1,731	1,613		4	2	792	58		888	208	1
(a) Cows	647	202			xxx		12		117	29	
(b) Heifers	202	300			xxx	202	13		39	36	
(c) Steers	5	390			xxx		9		177	43	
(d) Calves	590	821			xxx	590	24		55	90	
(e) Bulls	58			4	xxx				5		
20. Cattle, dairy, total											
(a) Cows					xxx						
(b) Heifers					xxx						
(c) Calves					xxx						
(d) Bulls					xxx						
21. Sheep, total *	7,723	5,952				750	1,211		1,717	107	18
(a) Ewes	5,636	600			xxx		317		55		
(b) Lambs	700	5,202			xxx	750	367		1,662	75	
(c) Wethers	100	150			xxx		4			10	
(d) Rams	212				xxx		23			22	
22. Goats, total	28	20					1				
23. Swine, total	31	90		16	6	10	15		15	23	
(a) Sows	16	7		2	xxx		2		2	4	
(b) Pigs	10	80		13	xxx	10	11		13	21	
(c) Boars	5	3		1	xxx		2				
24. Horses & Mules, total	1,172	242		5	3	122	95		58		
(a) Mares	216	47			xxx		37		19		
(b) Geldings	100	75		4	xxx		13		21		
(c) Colts	107	65			xxx	107	22		8		
(d) Stallions & Jacks	41	5		1	xxx	15	2				
(e) Mules or Burros	405	**50			xxx		16		7		
25. Other livestock	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	
(a) Chickens	6,970	500		4200	49		1,337		785	185	
(b) Turkeys	58	75		85	7		60		37		
Waterfowl											
(c) Other (Specify)											
Other (Specify)											
	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	

[illegible] Inventory changes to the number found at the physical count during August 1948.

**Births

HP1125

42373

	Sales			Home Consumption Dressed		Closing Inventory		Number Families Owning
	[illegible]	Dressed						
		Pounds	Dollars Paid	Pounds	Value (dollars)	Number	Value (dollars)	
			N		P	Q	R	S
[illegible]	[illegible]	61,[illegible]	20,[illegible]	[illegible]9	18,625	1,751	208,690	109
		1,[illegible]	[illegible],196	[illegible]	6,682	869	121,660	xxx
	[illegible]	12,2[illegible]5	4,176	17,[illegible]52	6,028	160	20,800	xxx
	[illegible]	14,967	5,089	[illegible],230	2,135	41	6,680	xxx
	4,002	19,238	6,753	10,2[illegible]	3,578	604	45,300	xxx
	[illegible]					57	14,250	xxx
								xxx
								xxx
								xxx
								xxx
	23,721	4,451	1,217	68,782	17,007	8,569	89,533	217
	[illegible]75			3[illegible],060	7,812	6,243	56,187	xxx
	23,[illegible]48	2,625	787	19,722	6,311	2,079	29,106	xxx
		350	195	8,840	2,652	100	1,500	xxx
		1,176	235	1,160	232	147	2,940	xxx
				150	65	42	294	19
[illegible]					1,173	27	947	18
45	158	2,320	665	5,360				
7	54	720	180	1,120	280	10	420	xxx
56	104	2,100	483	3,680	809	12	327	xxx
2				560	84	5	200	xxx
						1,144	22,870	428
	1,228					207	4,140	xxx
	[illegible]					440	11,000	xxx
	720					35	350	xxx
	80					30	900	xxx
						432	6,480	xxx
	42							
		xxx	xxx	xxx	xxx	xxx	xxx	xxx
	[illegible]	[illegible]	[illegible]	[illegible],635	5,94[illegible]	5,775	8,795	281
	[illegible]16			[illegible]	552	52	446	18
	94							
		[illegible]		[illegible]	41,349	xxx	531,575	xxx

	Unit	Acreage Planted A	Acreage Harvested B	Total Yield Quantity C	Total Yield Value $ (Gross) D	Sales Quantity E	Sales $ Received F	Used for farm for Quantity G	Used for farm for Value H	Used for farm for Quantity I	Used for farm for Value $ J
27. Forage, field	ton										xxxx
(a) Alfalfa	ton									xxxx	xxxx
(b) Oth. Peren. Hay	ton									xxxx	xxxx
(c) Ann. Forage	ton									xxxx	xxxx
(d) Wild hay	ton	xxxx								xxxx	xxxx
28. Cereal Grains, tot.	bu.	5,[illegible]	5,[illegible]6	45,990	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]000
(a) Corn, field	bu.	5,[illegible]	5,[illegible]	45,990	91,[illegible]	[illegible]	[illegible]160	[illegible]	[illegible]	[illegible]	[illegible]000
(b) Wheat	bu.										
(c) Oats	bu.										
(d) Barley	bu.										
(e) Other cereals	bu.										
29. Other field, tot.	xxx	6,[illegible]	4,923	xxxx	50,752	xxxx	19,578		2,[illegible]8		29,116
(a) Potatoes	bu.										
(b) Cotton	bales									xxxx	xxxx
(c) Flax										xxxx	xxxx
(d) Peanuts											
Corn stalk pasture (Specify)	ac.	5,250	5,926		1,050				1,050		
(f) Beans	cwt.	581	501	[illegible]	10,152	16,800	2,028	8,[illegible]	1,[illegible]	50,300	7,1[illegible]
(g) Squash	ton	296	193	150	15,300	90	6,300			100	7,0[illegible]
(h) Melons	ton	568	230	5[illegible]	25,250	150	11,250			200	13,000
(i) Other											
30. Total	xxx	11,723	8,849	xxxx	142,752	xxxx	40,718	xxxx	48,898	xxxx	53,116

Agency Hopi Reservation Hopi Year 1948

HP1127

Horticulture

Item	Unit	No. of trees or vines: Planted this year	No. of trees or vines: Producing	Total Yield: Quantity	Total Yield: Value $ (Gross)	Sales: Quantity	Sales: $ Received	Home consumed: Quantity	Home consumed: Value $	Acres
		A	B	C	D	E	F	G	H	I
31. Tree fruits	[illegible]	5[illegible]0	[illegible],[illegible]	47,3[illegible]	70,9[illegible]	17,130	25,695	30,200	45,3[illegible]	8[illegible]5
32. (Excl.	[illegible]									
33. Berries (Excl. wild)	[illegible]	xxxx	xxxx							
34. Total	xxx	xxxx	xxxx	xxxx	70,993	xxxx	25,695	xxxx	45,300	8[illegible]5

Garden

Kind	Number of families	Total acres	Value of yield	Sales $	Value $ products used in home
	A	B	C	D	E
35. Individually operated: (a) Dry	[illegible]5	16	2,126		2,126
(b) Irrigated	[illegible]	16	5,000		5,000
36. Community operated: (a) Dry					
(b) Irrigated					

37. No. different families with individual gardens 150

38. Acres double cropped 27 to 36 5,250

Land under A.A.A. Program (Trust or Restricted Lands) for the calendar year 1947

Type of Ownership	Crop Lands: Acres	Crop Lands: Amount of A.A.A. Benefit Payments $: Owner	Crop Lands: Amount of A.A.A. Benefit Payments $: Lessee	Grazing Lands: Acres	Grazing Lands: Amount of A.A.A. Benefit Payments $: Owner	Grazing Lands: Amount of A.A.A. Benefit Payments $: Lessee
	A	B	C	D	E	F
39. Indian owned and operated	1886	5,330	xxxx	415,397	15,350	xxxx
40. Leased to Indians		xxxx			xxxx	

Agency Hopi Reservation Hopi Year 1948

HP1128

4-H Club Work

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Corn	Oat, Barley, Potatoes		Garden	Poultry	Dairy Cattle	Beef Cattle	Sheep	Swine	Canning	Sewing	Clothing	Handicraft		Total 1/	No. different members
Proj. Enrollment																
41. Boys																
42. Girls						0										
Completions: 43. Boys							N									
44. Girls								D								
Units		Acres			Head					Qts	Pieces				xxx	xxxx
45. No. units involved															xxx	xxxx

1/ Each figure in Column O must equal the total of Columns A to N, inclusive.

46. Percentage of completions (proj. enrol. - Col. G) _____%; if below 80% explain in project summary.

47. (a) No. 4-H Clubs _____ (b) No. members who won county prizes _____ (c) who won state prizes _____

48. Estimated number of boys and girls of Club age; Boys: 215 Girls: 320

49. Total estimated value of all 4-H Club products: $_____

FOOD PRESERVED

Article	Quarts Canned	Estimated value (Gross) $	Pounds dried (Dry weight)	Estimated value (Gross) $	Pounds Stored (not canned or dried)	Estimated value (Gross) $
	A	B	C	D	E	F
50. Fruit	15,312	4,633	139,998	20,998	10,[illegible]	603
51. Vegetables	715	[illegible]	7,217	1,082	12,[illegible]	879
52. Meat, Poultry, Fish			1,189	297		
53. Total	16,227	4,837	148,399	22,377	22,848	1,487

*Question 48 must be completed regardless of whether the reservation has or has not a 4-H Club program.

Agent [illegible] Reservation [illegible] Year [illegible]

HP1129

54. Days all extension workers spent:1/	
(a) In office	[illegible]-1/4
(b) In Field	[illegible]-1/4
55. Days devoted to:1/	
(a) Livestock	570
(b) Field crops and orchards	[illegible]-1/4
(c) Gardens	12-1/4
(d) Credit2/	4-1/2
(e) 4-H Club work	10-1/2
(f) Food production and nutrition	8
(g) Other home extension work	8
(h) Cooperative and tribal organizations	5
(i) Miscellaneous (Extension)3/	81-1/2
(j) Non-extension4/	19-1/2
56. Farm and home visits:	
(a) Total number made	1,192
(b) No. different farms and homes visited	483
57. Demonstrations conducted:	
(a) Total number	16
(b) Attendance	307
58. Extension meetings held:	
(a) Total number	51
(b) Attendance	1,142
(c) No. of tours	1
(d) Attendance	9
59. Office calls on Extension work.	1,243
60. Influence of Extension work:	
(a) No. families following some approved practice	410
(b) No. families adopting improved practice for first time during current year	55

1/ Totals of these two questions must be the same.
2/ Time spent financing project should be charged to project involved.
3/ Office time spent on extension activities should be charged to project involved. Time spent on extension projects generally, including reports, should be shown here.
4/ Any non-extension time should be entered here.

HP1130

Indian Tribal and Corporate Enterprises and Cooperative Associations as of December 31, 1943

Type of Enterprise	Name of Enterprise	Formally Organized	Date approved by Ind. Office	Number Members	Number of Units Operated Cooperatively: Individual Ownership: Cows Heifers Steers Calves	Bulls	Sheep	Horses	Other (Specify)	Group Ownership: Cows Heifers Steers Calves	Bulls	Sheep	Horses	Other (Specify)
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
61. Tribal and Corporate Enterprises, Total	xxx	xx	xxx	329					xxx		16			xxx
(a) Bull Pool	Hopi Tribal	Yes	5-26-4[illegible]	10[illegible]							16			
(b) Farming														
(c) Cattle prod.														
(d) Seed														
(e) Tractor and Machine														
(f) Land Credit Funds														
(g) Stores														
(h) Sawmill														
(i) Ran	Hopi Tribal [illegible] Dis-													
(j)	[illegible] Enterprise	[illegible]	5-22-[illegible]	[illegible]										[illegible]
(k)														
(l)														
(m)														
62. Co-op Assoc., Total	xxx	xx	xxx	49					xxx		32			xxx
(a) [illegible]	[illegible]	Yes	10-[illegible]	[illegible]							9			
(b) [illegible]	[illegible]	[illegible]	[illegible]	[illegible]							19			
(c) [illegible]	[illegible]	[illegible]	2-16-[illegible]	[illegible]							[illegible]			
(d) [illegible]														
[illegible]														
[illegible]														
[illegible]														
(h) [illegible]														
[illegible]														
(j) [illegible]														
[illegible]														
63. Other, total	xxx	xx	xxx						xxx					xxx
(a)														
(b)														
64. TOTAL		xx	xxx	369					xxx		48			

Note: If any enterprises or associations listed in previous year's report are not included this year, explain by footnote on reverse of this page.

Agency [illegible] Station Hopi Year 1943

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HP1131

Pl[illegible] Copy

		Page
I	Table of [illegible]	1
II	Summary of [illegible]	2
III	[illegible]	[illegible]
IV	[illegible]	5 6
V	[illegible]	7
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Photographic Section

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HP1132

II. [illegible]

1. [illegible] organizations [illegible] operating this year.
2. [illegible]
3. [illegible]
4. [illegible] and [illegible] growers were visited at least once.
5. [illegible] of 5[illegible] cattle was $52,896.
6. All cattle were either shipped to market or sold at a shipping point.
7. An 8[illegible]% calf crop was obtained.
8. [illegible] calves were vaccinated for blackleg.
9. There are 1731 cattle on the Hopi Reservation,
10. with 109 different owners.
11. 10,[illegible]32 [illegible] and goats were dipped.
12. Lambs averaged 70 pounds, bringing $20 CWT.
13. Yearling steers averaged 640 pounds.
14. 5,250 acres of corn planted.
15. [illegible] bushels of fruit harvested.
16. [illegible] pounds of fruit and vegetables were canned.
17. [illegible] quarts of fruit and vegetables were canned.
18. 540 fruit trees planted.
19. 4-H Club work is started for 1949.

HP1133

[illegible]

1. [illegible] No. 75

[illegible] Commander
[illegible] Vice Commander

[illegible] 75 is an active group of World War II Veterans, [illegible] assisting with the 1949 Reservation 4-H Club program [illegible] activities.

2. [illegible]

[illegible]
[illegible]
Grant [illegible]
[illegible]

[illegible] every way requested this year. They have [illegible] livestock and grazing problems during [illegible] year.

3. Hopi [illegible]

[illegible], President
King [illegible], Secretary and Treasurer

4. Second Mesa Livestock Association

Wayne Taylor, President
[illegible], Secretary and Treasurer

5. Polacca Livestock Association

[illegible], President
[illegible], Secretary and Treasurer

[illegible] have cooperated with the extension program. [illegible] closely with these livestock men in carrying out their livestock program. At least two meetings have been held with each group this fall trying to work out a cooperative cattle sale; however, each association decided, and sold as individual groups. The Polacca Association dehorned and vaccinated for blackleg all calves and yearling heifers.

6. Tribal [illegible]

[illegible], Chairman
[illegible]

HP1134

[illegible] the [illegible] committee the Tribal Sire Enterprise has [illegible] this year. With the assistance of the [illegible] and bulls have been made available [illegible] the breeding season. Bulls were rented for $[illegible].00 per head and [illegible] were paid for the services of each [illegible]. [illegible] modules for [illegible] and [illegible] of [illegible] were carefully [illegible] by the committee [illegible] has been supported almost 100 percent by the livestock cooperators.

HP1135

[illegible] (HOPI [illegible])

[illegible]	RESULTS
[illegible] time operation of the [illegible]	Fifty three purebred bulls have been kept in the [illegible] pasture during the year excepting through the [illegible] season. With the exception of one grower, this has been a [illegible] cooperation. The results from using purebred bulls and controlled breeding is evident on the Hopi Reservation. All calves were dropped with in the same period last spring making a uniform bunch of calves for the Hopi cattle men. All Tribal and individually owned rams were kept in the sire pasture during the year excepting during the breeding season. There are 158 Tribal purebred Rambouillet rams and 15 purebred Hereford bulls. These sires are made available to the growers that do not [illegible]. The Tribal Sire Committee has [illegible] this enterprise in a very admirable manner this past year. There are two sire pastures maintained on the Hopi Reservation, Badger Butte, consisting of 7,[illegible]8 acres. During the winter months (excepting during sheep breeding) both rams and bulls are run in the pasture. There are two wells situated for water supply. A ram herder is employed by the enterprise and in addition to feeding, [illegible] and caring for rams during the winter he is a general care taker for the bulls in the pasture. During the summer months this sire pasture is not used, making an ideal situation for fall and winter grazing. The Moam Canyon Sire pasture contains 4,6[illegible] acres of land and is only [illegible] by the ram herd during the spring and summer months. The [illegible] area of this pasture is [illegible] and makes it difficult to fully [illegible] the grazing. There is [illegible] charged for the use of these sire pastures, however, associations and private owners furnish [illegible] of corn for bulls and 50 # for their rams.
[illegible] cooperative [illegible]	Six [illegible] were conducted to [illegible] cattle sales, [illegible] to promote and [illegible] cattle sale. In [illegible] among the [illegible] office [illegible]

HP1136

[illegible] of [illegible] greater [illegible] the [illegible]

[illegible] the [illegible] in which they wished to sell their cattle.

A tour was conducted to the Fort Apache Reservation to observe cattle sales held at Show Spring and [illegible]. A [illegible] cattle [illegible]. The main purpose of the trip was to observe [illegible] and to see if it would be advisable to attempt a similar sale at Hopi.

[illegible] group, or individuals, sold their cattle [illegible] either by shipping or driving them to Sugarloaf shipping point. Through their representative offers the cattle were received a price comparable to prices received elsewhere in this area. Yearling steers averaged $127 per head after yard and other shipping expenses were deducted.

[illegible] secure from some source or [illegible] use of platform scales [illegible] installation at some central point for use in weighing cattle sold in an effort to place Hopi Cattle sales on a weight basis rather than by the head.

The platform scales were [illegible] for purchase, however, both scales which were [illegible] or parts broken and the scales have not been installed. The installation of the scales have been discussed recently with cattle men and they have the understanding that it is a permanent project and are not willing to stand the cost of [illegible].

All cattle were sold by weight and not by the head.

[illegible] from some source [illegible] suitable for [illegible] of [illegible] the other cattle [illegible].

Twelve or more days were spent in the [illegible] looking for [illegible] machines and other equipment. Many machines were found [illegible] but in [illegible] condition were [illegible] to be surplus property. A power sprayer was located [illegible] Navajo Service and will be used [illegible] with [illegible]. It is [illegible] apparently stored up the line on [illegible] and to have been located again within [illegible] the building being kept under close observation to obtain results.

[illegible] (SHEEP)

[illegible]	[illegible] purebred rams [illegible] 1948 breeding season, with the exception [illegible] that still own rams produced [illegible] flock. However, they [illegible] purebred [illegible] Distribution [illegible] Sheep [illegible] 150 Tribal [illegible] rams [illegible] and in [illegible] about 12 purebred [illegible] owned. [illegible] meetings were held with about 200 sheep growers [illegible] in regards to using purebred [illegible]. Stress [illegible] on inbreeding and difficulties [illegible] may [illegible] using their own grown [illegible] breeding [illegible] same flock. Although most [illegible] realize [illegible] of the purebred sire program [illegible] take more time to get all people convinced and [illegible] the purebred sire program.
[illegible] every sheep on the [illegible] Jurisdiction dipped for [illegible] of scab, lice, [illegible] and other parasites [illegible] the year of 1948.	This goal was accomplished [illegible] almost 100% to help with the [illegible] of three cents per head was made to help offset the expenses of dipping. A total of 10,8[illegible] [illegible] and [illegible] were dipped.

VI LIVESTOCK (HORSES, MULES AND BURROS)

GOALS	RESULTS
[illegible] To improve the quality and [illegible] of the horses, mules [illegible] burros of the reservation [illegible] securing the most [illegible] of its [illegible].	The annual horse branding was held in July, and 107 horses [illegible], 15 stallions were castrated and 23 head of [illegible] horses and burros were [illegible] for $6.10 per [illegible]. A young Mexican jack was [illegible] to the Tribal Sire Enterprise by Double Seven [illegible]. The tribe now [illegible] jacks and [illegible]. There are still [illegible] horses on the [illegible] are of poor quality [illegible] them until they can be replaced by better quality animals. A good many fine quality mules are showing up in all areas of the reservation and [illegible] broken and used. They are from the jack owned by [illegible] tribe.

[illegible] IMPROVEMENT

[illegible]	[illegible]
[illegible]	[illegible] was not accomplished. Possibly the goal [illegible] carefully [illegible] [illegible] at the present time. [illegible] and buyer were [illegible] in [illegible] to truckin[illegible] [illegible] the reservation in a sale was held. After investigating it was found that many bridges wouldn't carry the load capacity. Larger buyers were not interested in buying stock at this great a distance from highways and rail points, unless delivered; [illegible], they were very interested in a small sale, if it could be held at Winslow or Sunshine [illegible]. The possibilities of having a sale at either of these [illegible] has been discussed with the [illegible] [illegible] and they are willing to make available their [illegible] for a sale. After these facts were gathered the cattle growers decided if they had a [illegible] sale it would be better to hold it at a rail point.
[illegible] 25 miles of drift [illegible] boundary fences throughout [illegible] area.	This goal was not accomplished.
5. Drill one well at the [illegible] [illegible] and one well [illegible] West Holding [illegible] Improve 5 springs [illegible] the grazing area.	Goal not accomplished, well drilling [illegible] funds were not available for these [illegible]

[illegible]

[illegible] are [illegible] and damage.	Training [illegible] people [illegible] hundred pounds of grasshopper [illegible] individual [illegible] Gardens. [illegible] available [illegible] could [illegible]. It is difficult to [illegible] with- [illegible].
[illegible] could be a rodent control [illegible] to reduce the amount [illegible] in crops and [illegible] from this source to [illegible].	A general rodent control program was not necessary. However, poison grain was given to gardeners after being instructed how to handle and care for such poison.

[illegible] HORTICULTURE

[illegible]	[illegible]
1. [illegible] demonstrations in pruning of fruit trees for the [illegible] of increasing the size [illegible] of fruits and yields.	The goal was not accomplished. [illegible] very good [illegible] that should be accomplished [illegible] every effort will be made for its accomplishment during 1959. However, the limited funds that are now available here will not allow the purchase of demonstration tools. At the time the writer reported for duty at this [illegible] jurisdiction [illegible] fully and it was found that a few [illegible] accomplished [illegible] have been [illegible] fruit [illegible] individual fruit [illegible] few trees [illegible] the [illegible] larger [illegible] is [illegible] and [illegible] place for [illegible] a few [illegible] trees [illegible] to show the proper way to [illegible].

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[illegible] spraying [illegible] in orchard [illegible]

[illegible] coast [illegible] to [illegible] equipment. [illegible] recently heard that the sprayers located are not now available [illegible].

[illegible]

[illegible] to [illegible] club organization [illegible] Reservation.

[illegible] goal has been [illegible] in the [illegible] is an accomplish[illegible] the [illegible].

[illegible] Club program has been [illegible] worked out with the Navajo County Agent and the Hopi Reservation. One day was spent with the County Agricultural Agent and leaders from the [illegible] going over the [illegible] years program. [illegible] members has been organized [illegible] clubs are ready for organization. [illegible] have been held with parents explaining [illegible]. The Hopi American Legion at Polacca have offered to be sponsors of the Reservation Club Program.

[illegible] CREDIT

[illegible]	RESULTS
[illegible] the Hopi Tribe [illegible] its Rehabilitation [illegible] and to assist [illegible] possible number [illegible] participate in the [illegible] use of such [illegible].	This goal has been followed [illegible] year. The collection [illegible] loans is the [illegible] Superintendent [illegible] payments are [illegible] should be [illegible] Mr. [illegible] Stamps, [illegible]
	Assistance [illegible] and [illegible] have been [illegible] with [illegible] and determining the program [illegible] of loans. One loan was [illegible] Distribution Enterprise [illegible] rams.

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