

ANNUAL REPORT  
JULY 1, 1969 - JUNE 30, 1970

DIVISION OF ANIMAL HEALTH  
EDWARD M. DWYER  
DIRECTOR

MASSACHUSETTS DEPARTMENT OF AGRICULTURE  
NATHAN CHANDLER  
COMMISSIONER

## REPORT OF THE DIVISION OF ANIMAL HEALTH

July 1, 1969 - June 30, 1970

To the Commissioner of Agriculture:

In accordance with Section 38, Chapter 129, General Laws, Tercentenary Edition, Acts of 1932, I herewith submit the report of the Division of Animal Health for the fiscal year, July 1, 1969 to June 30, 1970, inclusive.

The results of frequent tests and surveillance of the cattle in the one large herd in the Commonwealth which experienced a severe outbreak of Tuberculosis in 1969, now show this herd to be well under control and have practically eliminated this disease.

In cooperation with the U. S. Department of Agriculture, Animal Health Division, under the National Hog Cholera Eradication Program enacted by Congress in 1961, we hope to attain a Hog Cholera free status with the rest of the country by 1972.

There were 29 outbreaks of Hog Cholera in Massachusetts during the fiscal year 1970, involving 12,782 head of swine. Indemnities to the swine owners amount to \$137,683.17. This indemnity money was appropriated by the Legislature from the Agricultural Purposes Fund.

The usual number of miscellaneous diseases were reported during the fiscal year.

As in the past, we are still receiving the fine cooperation of the Animal Health Division of the United States Department of Agriculture, for which we are most grateful.

Respectfully submitted,

*Edward M. Dwyer*  
Edward M. Dwyer  
Director

## BOVINE TUBERCULOSIS

There were two thousand one hundred and twenty-one (2,121) tuberculin herd tests, seventy-five thousand five hundred and forty (75,540) animal tests applied to which one hundred and eighty-seven (187) head of cattle were declared reactors as compared with one thousand five hundred and seven (1,507) tuberculin herd tests and sixty-two thousand and fifty-six (62,056) animal tests applied the previous fiscal year to which one hundred and two (102) head of cattle reacted.

One hundred and eighty-three (183) of the one hundred and eighty-seven (187) head declared to be reactors were reported as having "no gross lesions" of tuberculosis at time of slaughter.

Four hundred and forty-six (446) herds containing six thousand and thirty-nine (6,039) head of cattle, included in the census report of June 30, 1969, were disposed of by the owners prior to the census period ending June 30, 1970.

Ninety-six (96) herds containing one thousand two hundred and forty-one (1,241) head of cattle to which testing has not previously been conducted are included in the census report of the period ending June 30, 1970.

Tuberculin tests are conducted by State and Federal accredited veterinarians under a State and Federal Cooperative Plan for the establishment of tuberculosis-free herds and the eradication of bovine tuberculosis.

Following is a summary of the tuberculin tests as made by veterinarians for the twelve-month period of this report:

	HERDS	HEAD	REACTORS
Veterinarians paid by the State on a salary basis	746	27,617	184
Veterinarians paid by the State as Program Agents	1,365	47,525	3
Veterinarians paid by the owner	10	398	
	<u>2,121</u>	<u>75,540</u>	<u>187</u>

During the fiscal year, owners were reimbursed for one hundred and seven (107) grade cattle amounting to \$7,570.90.



## COUNTY CENSUS

AS OF

JUNE 30, 1970

COUNTY	HERDS	HEAD	100 OR MORE HERDS	HEAD
Barnstable	5	119	-	-
Berkshire	393	14,077	35	5,011
Bristol	327	11,196	17	3,137
Dukes	17	128	-	-
Essex	164	4,769	9	1,180
Franklin	459	14,449	23	3,189
Hampden	260	5,746	-	-
Hampshire	394	11,916	19	2,891
Middlesex	211	6,432	11	1,876
Nantucket	1	36	-	-
Norfolk	116	2,915	4	620
Plymouth	192	5,795	13	2,426
Worcester	816	25,102	41	5,692
TOTALS	3,355	102,680	172	26,022

BRUCELLOSIS

The Brucellosis program has been carried on in accordance with Chapter 129, General Laws as amended by Chapter 527, Acts of 1956.

During the fiscal year 1970 owners were reimbursed for two (2) grade cows and four (4) purebred cows, amounting to \$250.00.

Following is a tabulation of the results of laboratory examination of the blood samples from cattle under this program; also from goats and swine.

BRUCELLOSIS

7/1/69 - 6/30/70

	<u>Negative</u>	<u>Reactors</u>	<u>Suspicious</u>	<u>Others*</u>	<u>Totals</u>
Cattle	6,989	4	60	256	7,310
Goats	337	0	1	15	353
Swine	<u>541</u>	<u>9</u>	<u>0</u>	<u>3</u>	<u>553</u>
TOTALS	7,867	13	61	274	8,216

\* Containers broken, insufficient amount of serum, hemolyzed, or "CV" (Calfhood vaccinated and under eighteen months of age).

Certified Herds: CATTLE

Certified Brucellosis-Free Herds	23
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Cattle in Certified Brucellosis-Free Herds	1,217
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Certified Herds: GOATS

Certified Brucellosis-Free Herds	11
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Goats in Certified Brucellosis-Free Herds	113
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Validated Herds: SWINE

Validated Brucellosis-Free Herds	13
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Swine in Validated Brucellosis-Free Herds	289
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MILK RING TESTS

<u>Negative</u>	<u>Suspicious</u>	<u>TOTAL</u>
6,184	9	6,193

GOATS

7/1/69 - 6/30/70

This Division arranges for the tuberculin testing and blood testing of goats provided the owner signs an agreement to the effect that any goats declared as reactors to either test would be immediately disposed of for slaughter with no compensation allowed by the Commonwealth.

Under this agreement 511 goats were tuberculin tested and 255 blood tested. One (1) goat showed a suspicious reaction but was negative on retest.

CATTLE IMPORTS

7/1/69 - 6/30/70

Alabama	410	Montana	65
Canada	1117	Nebreska	15
Connecticut	1420	New Hampshire	558
Delaware	26	New Jersey	32
Georgia	2	New York	3104
Illinois	16	North Carolina	2
Indiana	18	North Dakota	26
Iowa	33	Ohio	41
Kansas	25	Pennsylvania	102
Kentucky	10	Rhode Island	246
Maine	2539	South Dakota	5
Maryland	27	Vermont	797
Minnesota	424	Virginia	20
Missouri	267	Washington	1
	Wisconsin	29	

TOTAL - 11,377

One thousand one hundred and nineteen (1,119) permits were issued covering eleven thousand three hundred and seventy seven (11,377) head of cattle.



EXPORTS --- JULY 1, 1969 THRU JUNE 30, 1970

Interstate certificates of health were issued on three thousand nine hundred forty-four (3,944) head of cattle; eighty (80) goats; sixty-eight (68) sheep; one hundred thirty-nine (139) swine; and two (2) oxen, exported to other states and countries, as follows:

<u>CATTLE</u>			
<u>DESTINATION</u>	<u>HEAD</u>	<u>DESTINATION</u>	<u>HEAD</u>
Alabama	50	Maryland	23
Brazil	2	Michigan	6
California	1	Mississippi	38
Canada	24	Nebraska	1
Colorado	1	New Hampshire	167
Connecticut	511	New Jersey	5
Costa Rica	3	New York	726
Dominican Republic	20	Ohio	9
Florida	71	Pennsylvania	40
Greece	755	Rhode Island	574
Idaho	1	Spain	16
Illinois	7	Vermont	422
Indiana	3	Virginia	35
Iowa	30	West Germany	7
Italy	3	West Virginia	1
Kansas	4	Wisconsin	5
Kentucky	2	Wyoming	6
Maine	375		
		Total	3,944

  

<u>GOATS</u>		<u>SHEEP</u>	
Canada	2	Connecticut	1
Connecticut	3	Honduras	3
Honduras	71	New Hampshire	31
Michigan	1	New York	22
Mississippi	1	Pennsylvania	10
New Hampshire	1	Rhode Island	1
Oregon	1		
Total	80	Total	68

  

<u>SWINE</u>		<u>OXEN</u>	
Connecticut	2	Maine	2
Maine	5		
New Hampshire	129	Total	2
New York	3		
Total	139		

QUARANTINE STATION AT LITTLETON

Total number of livestock received at the Farmers Live Animal Market Exchange in Littleton from July 1, 1969 to June 30, 1970 was as follows:

Cattle	18,573
Calves	20,851
Swine	25,315
Sheep	769
TOTAL	<u>65,508</u>

The following Massachusetts animals went through the chute:

Tuberculosis Reactors	2 head
Tuberculosis Suspects	3 head
Brucellosis Reactors	4 head
Brucellosis Suspects	7 head
TOTAL	<u>16 "</u>

In addition to FLAME in Littleton, the following animals were received and sold at the Livestock Auction in Easton and the Northampton Cooperative Auction Association, Inc. in Whately, Massachusetts:

Easton

Cattle	7,684
Calves	6,229
Sheep and Goats	304
TOTAL	<u>14,217</u>

Whately

Cattle	4,060
Calves	11,245
Sheep and Goats	888
Swine	1,189
TOTAL	<u>17,382</u>

PERMITS TO FEED GARBAGE TO SWINE

VESICULAR EXANTHEMA PROGRAM  
CHAPTER 655 ACTS OF 1953

Fiscal Year 1970

July 1, 1969 - June 30, 1970

		<u>Permits Issued</u>
July	1969	0
August	"	3
September	"	1
October	"	0
November	"	0
December	"	0
January	1970	170
February	"	14
March	"	12
April	"	5
May	"	1
June	"	1
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	TOTAL	207

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HOG CHOLERA

Fiscal Year 1970

Number of cases	29
Number of swine	12,782
Total indemnity paid by The Commonwealth of Massachusetts	\$137,683.17

## RABIES

Under the Massachusetts Department of Public Health regulations Chapter 111, General Laws as amended by Chapter 265, Acts of 1938, Sections 6 and 7 "Dog Bite" is declared a disease dangerous to public health.

Chapter 129, Section 21 of the General Laws, was amended under Chapter 29, Acts of 1963 to read: "All dogs known to have bitten persons shall be quarantined for a period of ten (10) days for observation, at the end of which period, if no symptoms of rabies have developed, said animals may be released from quarantine on order of the Director."

Investigation of reported injuries inflicted to persons by biting dogs and the quarantining of such dogs is one of the duties of the Inspector of Animals.

One thousand and sixty-two (1062) persons were bitten by stray animals. The brains of six hundred and thirty-two (632) animals were sent to Wassermann Laboratory for examination. Of that number five hundred and thirty-nine (539) were reported to have bitten five hundred and sixty-six (566) persons.

The following tabulation is a record of bites inflicted by dogs and other animals.



RABIESBite Cases

	Released Quarantined Animals	Destroyed No Examina- tion	Heads to Laboratory NEGATIVE	Heads to Laboratory POSITIVE	Heads to Laboratory UNSATIS- FACTORY
<u>1969</u>					
July	1,811	4	65		7
August	1,291	2	52		7
September	1,529	3	60	1	7
October	1,191	4	41		3
November	834	9	14	1	
December	862		56		3
<u>1970</u>					
January	564		35		2
February	591	2	30		
March	886	2	31		2
April	1,325	1	52		3
May	1,589	7	35		1
June	1,652	3	117	1	6
TOTALS	14,125	37	588	3	41

RABIESBite Cases --- Fiscal Year 1970

	Released Quarantined Animals	Destroyed No Exam- ination	Heads to Laboratory NEGATIVE	Heads to Laboratory POSITIVE	Heads to Laboratory UNSATIS- FACTORY
Dogs	13,470	36	120		3
Apes	1				
Baby Alligators	1				
Bats			30	3	11
Big Brown Bats			1		
Calves	1				
Cats	376		88		7
Chipmunks	5		23		1
Coati-Mundis			1		
Crows			1		
Deer	3				
Desert Rats	1				
Donkeys	1				
Field Mice			1		
Flying Squirrels			1		
Foxes			11		
Geese	1				
Gerbils	52		32		3
Guinea Pigs	11		7		2
Hamsters	53	1	51		
Horses	16				
Kittens			6		
Mice	19		16		2
Moles			9		1
Monkeys	30				
Muskrats			4		
Opossums			1		
Otters	1				
Pet Mice			2		
Pet Rabbits			4		
Pet Rats			1		
Pet Skunks			1		
Pet Squirrels			4		
Ponies	1				
Puppies			1		
Rabbits	39		21		3
Racoons	16		43		4
Rats	10		11		
Red Squirrels			1		
Skunks	3		12		1
Squirrels	10		64		2
Squirrel Monkeys	1		1		
Siamese Cats			1		
Shrews			1		
Voies			13		1
White Burros	1				
White Mice	1		1		
White Rats	1				
Woodchucks			3		
TOTALS	14,125	37	588	3	41

## LICENSED DEALERS IN BOVINE ANIMALS

During the fiscal year 1970 there were one hundred and fourteen (114) licenses issued to dealers in dairy and beef cattle, and one hundred and forty nine (149) plates were sent out for use on the trucks operated by these dealers.

A total of seven thousand, four hundred and twelve (7,412) dairy cattle and five hundred and forty five (545) beef cattle were reported by licensed dealers as purchased and sold.

## EQUINE INFECTIOUS ANEMIA

During the fiscal year 1970, we issued two hundred and seventy six (276) Certifications of Equine Examination for four hundred and fifty nine (459) horses leaving the State for Shows, Fairs and Races.

This Division received four hundred and twenty one (421) Certifications of Equine Examination for one thousand and two hundred sixty six (1,266) horses that came into the State for Racing, Exhibitions and Breeding. These horses came from thirty seven (37) States and Canada, Australia, England and Italy.

A careful close watch for Equine Infectious Anemia and/or any other disease has proven beneficial. Not a single case was reported for the year 1970.

## MISCELLANEOUS DISEASES

### PULLORUM

4 flocks of birds were quarantined and later released.

### INFECTIOUS LARYNGOTRACHEITIS

6 flocks of poultry were quarantined and released.

### CONTAGIOUS ECTHYMA (Sore Mouth)

2 flock of sheep were quarantined and later released.

### SALMONELLA

Turtles confined to one store infected and destroyed.



# ANNUAL INSPECTION OF NEAT CATTLE, HORSES, SWINE, SHEEP AND GOATS

In accordance with Section 10, Chapter 129 of the General Laws the annual inspection of neat cattle, horses, swine, sheep and goats and of the premises where kept was completed.

Reports received from the cities and towns showed that inspection indicated the following information:

COUNTY	HERDS	NEAT CATTLE	HORSES	SWINE HERDS	SWINE HEAD	SHEEP	GOATS
Barnstable	9	128	409	1	1	106	54
Berkshire	382	14,148	1,090	51	539	584	57
Bristol	431	12,871	1,591	95	10,680	903	181
Dukes	14	131	102	4	27	758	4
Essex	178	5,586	1,696	36	4,355	462	108
Franklin	480	15,645	910	56	719	527	62
Hampden	298	6,033	901	22	1,413	592	111
Hampshire	407	12,668	1,007	49	2,214	1,398	71
Middlesex	277	5,722	2,697	75	13,446	593	165
Nantucket	2	47	18	1	1	34	1
Norfolk	102	2,499	1,279	20	1,498	800	73
Plymouth	249	6,571	1,539	53	5,734	611	116
Suffolk	-	-	104	1	1	14	28
Worcester	892	26,428	2,265	114	16,299	1,439	265
TOTALS	3,721	108,477	15,608	578	56,927	8,821	1,296

Of the total number of cattle inspected, fifty-four thousand nine hundred eighty-six (54,986) were grade dairy cows; ten thousand four hundred eighty-seven (10,487) were purebred dairy cows. There were also four hundred sixty-nine (469) purebred bulls listed.

Also, there were one hundred and eight (108) donkeys; twenty (20) buffalo; thirty-one (31) deer; seventeen (17) burros; one (1) elk; eleven (11) mules; six (6) jackasses; one thousand two hundred (1,200) mink; one (1) ram; eight (8) llamas; three (3) Long Horns inspected this year.



Regional meetings of Inspectors of Animals were held by the Director in the month of October in Northampton, Worcester, and in our Boston Office.