

- (4) Distribution of breeding animal
- Baby swine ----- 2
 - Hens and Cocks -----125
 - Duck ----- 29
 - Hens and cocks of
1 years old -----194
 - Chickens -----275

b. What problems are encountered?

In the extending program of the prefectural livestock farm re the previous report, the feeding shed for hens and cocks covering 50 tsubo is to be completed on 22 September.

5. Were there any cases of Anthrax, Blackleg, or Foot and Mouth disease in the prefecture during this period?

None applicable

6. Discuss the monthly activity of the "Animal Health Centers" in the prefecture.

Tested ----- 34
 Diagnosis -----337
 Medical treatment ---- 35
 Consultation----- 6
 Others -----174
 Total -----586

Remarks: Out of 34 in terms of examination, 25 are involved in the pathological test for equine epidemic encephalitis. Out of diagnosis cases 337, 290 are involved in the test for bovine T. B.

7. Discuss any other pertinent data relevant to the animal disease control program (Example: Artificial breeding, etc.)

Results of the test for equine epidemic anaemia which was carried out on 4, 7 and 8 August at Ashikaga Horse Race Track are as follows:

<u>Cases tested</u>	<u>Cases suffering</u>	<u>Suspects suffered before</u>	<u>Cases free from the disease</u>
38	-	-	38

Yasuo Shimada

YASUO SHIMADA
 Chieq, Livestock Sect.,
 Tochigi Prefecture

Separate List 1.

Prevailing Status for Equine Epidemic Encephalitis

As of 15 September 1950

<u>Disease</u>	<u>Total No.</u>	<u>Dead</u>	<u>Recovered</u>	<u>Remark</u>
Equine Epidemic Encephalitis	99	40	51	
Suspects	15	3	6	
<u>Total</u>	<u>114</u>	<u>43</u>	<u>57</u>	

775013

Pegg
JY

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

Ref. No. 956
16 August, 1950

SUBJECT: Veterinary Information

TO : Chief,
Headquarters Kanto Civil Affairs Region,
APO 201
(Attention: Public Health Section)

Enclosed herein is the above report for
the month of July, 1950.

20 *Jurichi Kodaira*
JURICHI KODAIRA
Governor,
Tochigi Prefecture

JK/Livestock Industry Section/cy-ki

Received
K.L.C.O.
25. 8. 19
TIME

VETERINARY INFORMATION SHEET

KCAR PH No. 9

Livestock Section Tochigi Pref. Period: 1 July to 31 July 50

A. TUBERCULOSIS:

1. Number of animals tested during the period. None
2. Testing was accomplished in the following areas.
None applicable
3. Number of positives and/or suspect cases and areas:
None applicable
4. Number of positive reactors sent to slaughter houses:
None
5. Number of animals remaining to be tested:
None
6. Remarks concerning the "T.B." control program:
"T.B." diagnosis for milk cows shall be enforced from the beginning of August.

B. BRUCELLOSIS:

1. Number of animals (bovine) tested during this period:

None

2. Testing was accomplished in the following areas:

None applicable

3. Number of positives and/or suspect cases and areas:

None applicable

4. Number of suspects or positive isolated:

None

5. In cases of positive or suspect animals, what general sanitary program was effected with regard to milk or milk products? (Detail)

None applicable

6. Number of goats tested for Brucellosis:

None

7. Number of reactors among goats:

None applicable

8. Number of animals remaining to be tested:

a. Cattle: None b. Goats: None

9. Remarks in detail regarding the Brucellosis program:

Diagnosis of Brucellosis for milk cows shall be enforced from the beginning of August.

B. BRUCELLOSIS:

1. Number of animals (bovine) tested during this period:

None

2. Testing was accomplished in the following areas:

None applicable

3. Number of positives and/or suspect cases and areas:

None applicable

4. Number of suspects or positive isolated:

None

5. In cases of positive or suspect animals, what general sanitary program was effected with regard to milk or milk products? (Detail)

None applicable

6. Number of goats tested for Brucellosis:

None

7. Number of reactors among goats:

None applicable

8. Number of animals remaining to be tested:

a. Cattle: None b. Goats: None

9. Remarks in detail regarding the Brucellosis program:

Diagnosis of Brucellosis for milk cows shall be enforced from the beginning of August.

C. SWINE DISEASES:

1. Number of swine vaccinated for the following:
 - a. Swine cholera 192 (Shimotsuga-gun 62
(Haga-gun 25
(Southern-Nasu-gun 16
(Ashikaga-gun 89
 - b. Swine erysipelas None
2. In what areas were swine disease most prevalent:
None applicable
3. Number of fatalities autopsied in each disease diagnosed:
None
4. Write a brief report of autopsy findings on (1) one of each disease diagnosed. (Use attached sheet).
None applicable

D. EQUINE DISEASES:

1. Number of horses vaccinated for

E. encephalomyelitis 6,643

Kawachi-gun	1,158	Southern-Nasu-gun	174
Kamitsuga-gun	225	Shioya-gun	695
Shimotsuga-gun	1,347	Aso-gun	411
Haga-gun	1,636	Ashikaga-gun	276
Northern-Nasu-gun	692	<u>Total</u>	<u>6,643</u>

Above is the result executed from 1 July as of reinforcing injection.

2. Number of horses remaining to be vaccinated for E. encephalomyelitis?

8,323

3. What is the age limit of animal vaccinated for E. encephalomyelitis?

4

4. Area of disease outbreak in equine disease:

E. encephalomyelitis 21 E. encephalomyelitis(suspect) 9

<u>Kawachi-gun</u>		<u>Kamitsuga-gun</u>	
Hongo-mura -----	2	Higashi-Oashi-mura -----	2
Kaminokawa-machi ---	1	<u>Haga-gun</u>	
Suzumenomiya-mura --	1	Sakagawa-mura -----	1
Meiji-mura -----	1	<u>Ashikaga-gun</u>	
<u>Shimotsuga-gun</u>		Yanada-mura -----	1
Mizuho-mura -----	3	Tomita-mura -----	1
Ishibashi-machi ---	1	Ashikaga-shi -----	1
Tomiyama-mura -----	1	<u>Nasu-gun</u>	
Ko-mura -----	2	Mumo-mura -----	1
Inaba-mura -----	1	<u>Shimotsuga-gun</u>	
Minakawa-mura -----	1	Ko-mura -----	1
Ienaka-mura -----	1	E. Epidemic Anemia	<u>4</u>
<u>Haga-gun</u>		<u>Kawachi-gun</u>	
Ouchi-mura -----	1	Mizuhono-mura -----	2
Sakagawa-mura -----	1	<u>Nasu-gun</u>	
<u>Aso-gun</u>		Kaneda-mura -----	1
Sano-shi -----	3	<u>Kamitsuga-gun</u>	
		Kikusawa-mura -----	1

5. Number of cases diagnosed for each disease:

<u>Name of disease</u>	<u>Sanitary Laboratory</u>	<u>Livestock Health Center</u>	<u>Clinic</u>	<u>Total</u>
Equine Epidemic Anemia		1		1

E. encephalomyelitis In the Pref. Livestock Sanitation Laboratory, peking out the brain of the horses died of the same disease, is carrying out the survey of certainty of diagnosis and judgement of disease by means of pathological test.

Total brains collected from the horses died during July amounted to 8 cases and after testing all of them were proved to be positive.

The above result shall be reported to you together with that of August.

6. Areas in which cases occurred and number in each:

<u>Disease</u>	<u>Kawachi-gun</u>	<u>Kami-tsuga-gun</u>	<u>Shiko-tsuga-gun</u>	<u>Haga-gun</u>	<u>Aso-gun</u>	<u>Ashi-kaga-gun</u>	<u>Nasu-gun</u>	<u>Total</u>
E. encephalomyelitis	5	-	11	2	3	-	2	21
" (suspect)	-	2	1	2	-	3	1	9
Equine Epidemic Anemia	2	1	-	-	-	-	1	4
Total	7	3	12	4	3	3	2	34

7. Attach autopsy report on one of each disease autopside.

See the attached No. 1

8. Brief remarks on the status of equine disease program and suggestions.

See the attached No. 2

E. BOVINE DISEASES:

1. Number of cattle vaccinated for:

None applicable

2. Number of cases of bovine diseases in each case
(Exclude T. B. and Brucellosis)

None applicable

3. Area of occurrence

None applicable

4. Number of animals examined for Trichomonas

None applicable

5. Number and disposition of Trichomonas cases

None applicable

6. Remarks regarding the treatment and control of
bovine disease. (use attached sheet)

None applicable

F. SHEEP AND GOAT DISEASES:

1. Number of cases and type of diseases diagnosed for each animal.

None applicable

2. What control programs are being conducted in these diseases:

The result of waist siraliasis injection for sheep and goats carried out at Pref. Livestock Sanitation Laboratory and each Livestock Health Center is as follows. Further 2nd and 3rd preventive injection will be enforced in August successively.

<u>Name</u>	<u>Sheep</u>	<u>Goat</u>
Livestock Sanitation Laboratory	70	38
Nozaki Livestock Health Center	65	54
Kanuma Livestock Health Center	17	23
Total	152	115

G. FOWL DISEASES:

1. Number of Pullorum tests conducted on fowl.
None applicable
2. Number of cases of Pullorum disease diagnosed:
None applicable
3. List any other disease diagnosed:
None applicable
4. What is the current fowl disease program:
None applicable
5. Remarks as to problem in fowl disease control.
(Use attached sheet if necessary)
None applicable

H. GENERAL INFORMATION:

1. What conferences were held in the Livestock Veterinary Section?

14 July Annual livestock conference preliminary meeting for publishing Tochigi Pref. Special Edition of Livestock Magazine.

7 July) Tochigi Pref. Livestock Breeding
25 ") Adjustment Committee.

2. What education programs were conducted during the month.

None applicable

3. What is the current animal census?

a. Dairy animals	2,939	g. Rabbit for hair	7,476
b. Work oxen	20,197	" for fur	51,177
c. Horses	49,992	h. Fowl	376,787
d. Swine	10,440	i. Ducks	2,173
e. Sheep	3,332	j. Geese	55
f. Goats	8,422	k. Turkeys	29
		l. Bee	744 groups

58,653

4. Breeding stations in operation:

a. What work is being conducted at Breeding Stations?

1. Domestic animal in leash.
Milk-cow 10, Working-cow 4, Horse 7, Swine 21,
Sheep 24, Goats 3, Fowl 125, Ducks 29,
Rabbit for hair 25, Rabbit for fur 32.

2. Breeding enterprise.
Milk-cow 2, Working-cow 2, Horse 219 (Result
of breeding of horses despatched during
1 - 4 July)

3. Hatching enterprise
No. of eggs obtained 584

4. Distribution of breeding swines & fowl.
Breeding swine 9, Breeding chicken 163

b. What problems are encountered?

We set up the following work for the extention and adjustment of Breeding Stations.

Shed 50 tsubo, Swine-house 138 tsubo,
Milk-cow-house & dairy 112 tsubo, Pasture
600 tsubo, Wooden-fence of play ground for horses
400 m.

5. Were there any cases of Anthrax, Blackleg, or Foot and Mouth disease in the prefecture during this period?

None applicable

6. Discuss the monthly activity of the "Animal Health Centers" in the prefectures.

Tested-----	14
Diagnosis -----	13
Medical treatment -	30
Consultation -----	14
Others -----	54
Total -----	121

Remarks: Besides executed preventive injection for swine cholera and equine epidemic encephalitis. As for vaccination of waist siraliasis for sheep and goats was described in the column "F".

7. Discuss any other pertinent data relevant to the animal disease control program (Example: Artificial breeding, etc.)

None applicable

YASUO SHIMADA
 Chief, Livestock Sect.,
 Tochigi Prefecture

Attached 1

Autopsy Report

Officials in charge of autopsy: KASHIWASE Yutaka

Name of Office: Kanuma Livestock Health Center,
Tochigi Prefecture

Kind of Animal: Horse, Age: 7, Sex: Gelding Use: Farming

Date taken ill: 12 June, 1950

Date died: 18 July, 1950

Date autopsied: 19 July, 1950

Place autopsied: 154 Tomioka, Kikusawa-mura, Kamitsuga-gun,
Tochigi Pref.

Condition of disease: The physical constitution of this horse was medium but nutritios condition, a little bad, lacking of spirit. Appetite and drinking water was moderate. Conjunctiva and mucous membrane: white colour. Mucous membrane of dental root: white colour and recognized dotted blood. Heart sound: 2nd sound, strong. Respiration: deep. Leaked: Rhinorrhea from the left nostril, not swollen. Temperature: 39.6
Respiration: 48. Pulse: 72. Red blood-corpusecl: 830,000. White blood-corpusele: 6,400

Name of disease: Equine Epidemic Encephalitis

Autopsy findings:

1. Examination of appearance.

Eyes, mucous membrane of dental root were white color, and recognized dotted blood in the part of mucous membrane of dental root. Around abdomen swollen. Diapedesis of urine. Leaked Rhinorrhea from right side nostril.

2. Diagnosis of internal parts.

a. Dotted with numerous bleeding macule of 1 Sen Copper Coin to the size of needle-top on the whole subcutaneous tissue which decreased from the hip to the hind leg.

In the lower part of chest, recognized gelatine like infiltration and bleeding macule on the left side subcutaneous tissue, having a small quantity of gelatine like material around them.

In the part of front chest, shoulder and crossing division attached with gelatine like material which was blooded.

Recognized many bleeding macule in peritoneum and those of soy-bean size to a grain of rice in the external membrane of Cecum and small intestines.

Sung: Too large with many bleeding macule of the size of grain of rice and red bean, especially in the left lung. We found by palpation, many calcareous granule as large as grain of rice, and besides, contained cheese like material by incision.

Hepatic: Showed the condition of congestion, bleeding, swelling and boiled-meat color and fragility lacking of blood. We distinguished Hepatic lobule in the part of vertical section which was separated and swollen.

Heart: Showed boiled-meat color and swollen. By means of incision we recognized bleeding in both ventricles. Blood is scarce and fibrin was coagulated and abundant. We distinguished many bleeding macule external membrane of Heart.

Kidney: Faded in color, swelling and difficult to exfoliate the wrapping membrane

Lymphatic gland: Congested and recognized bleeding spots in the part of mesenterium and Hilus Lienis Lymphatic Gland.

Spleen: Splenoma and expansion of diameter in width was very clear.

Attached 2.

Opinion concerning counter-measures for
equine diseases

Having entered the prevalent season of equine epidemic encephalitis, there occurred 30 horses already during July.

1st and 2nd preventive injection was enforced in this Pref. during the period from May to June, and 3rd injection as reinforcement being executed in July, we are now planning to emphasize anti-epidemic diseases, considering chiefly the following points.

1. Extermination of blood-sucking insects by means of D.D.T.
2. Improvement of breeding administration.
 - a. Betterment of stable
 - b. Guidance for breeders concerning fodder and work.
3. Dissemination and betterment of sanitary thought.
 - a. Dissemination of knowledge toward prevention of various diseases.
 - b. Findings and treatment at an early stage.

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

[Handwritten signature]
Ref. No. 855
20 July, 1950

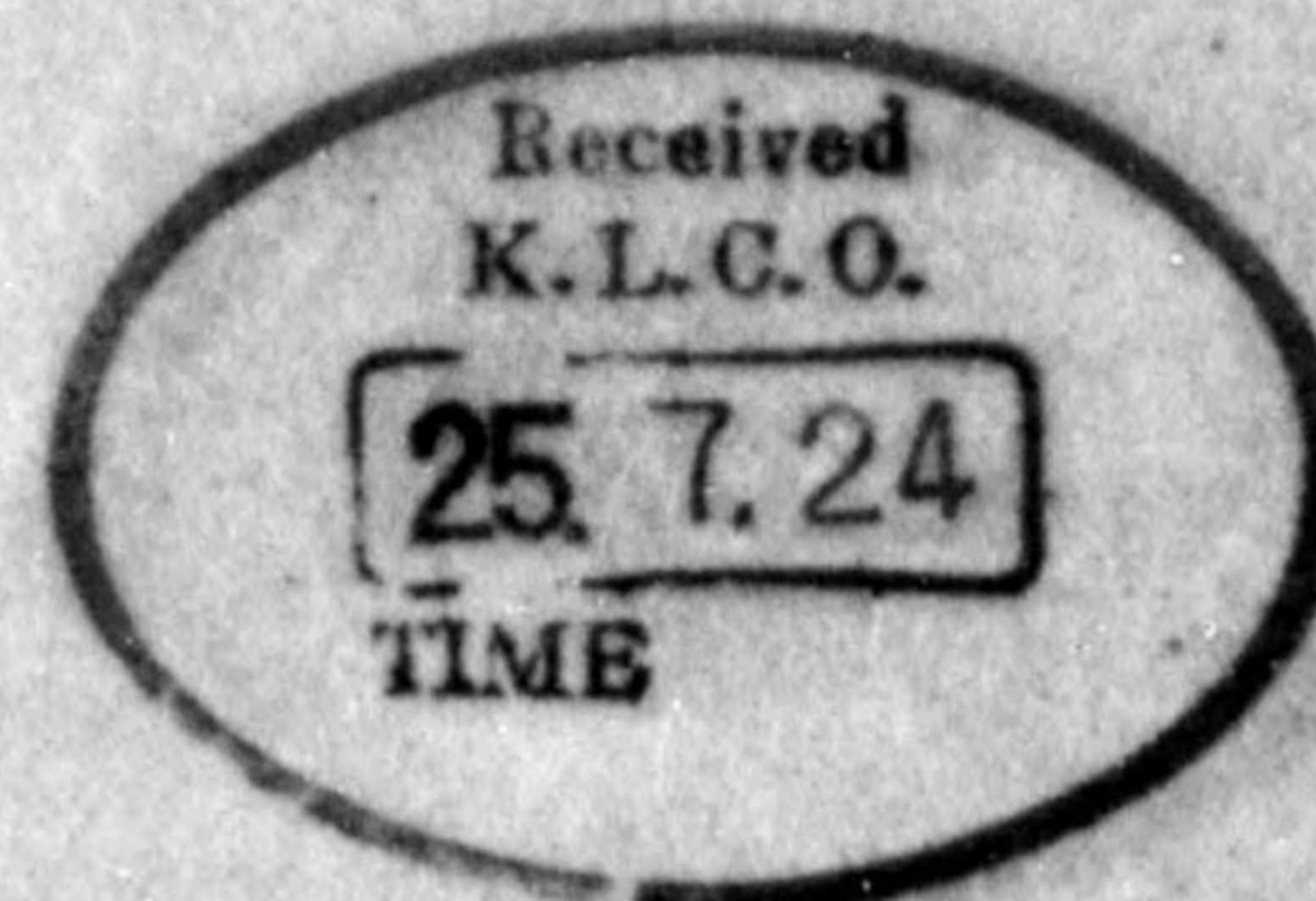
SUBJECT: Purchase of Preventive Medicine for Equine
Encephalitis

TO : Chief,
Headquarters Kanto Civil Affairs Region,
APO 201

We ordered Kitazato Laboratory the preventive
medicine for equine encephalitis as shown in the attached
sheet on 20 July, 1950.

For [Handwritten signature]
JUKICHI KODAIRA
Governor,
Tochigi Prefecture

JK/Livestock Sec/hs-mh



Translation

File No. Extra
20 July, 1950

SUBJECT: Application for Preventive Medicine for Equine
Encephalitis

TO : President, Kitazato Laboratory

You are herein requested to send us the following
medicine.

Preventive medicine for Equine Encephalitis
5,000 cc

Chief, Live-stock Section,
Tochigi Pref. Economic Dep't.

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

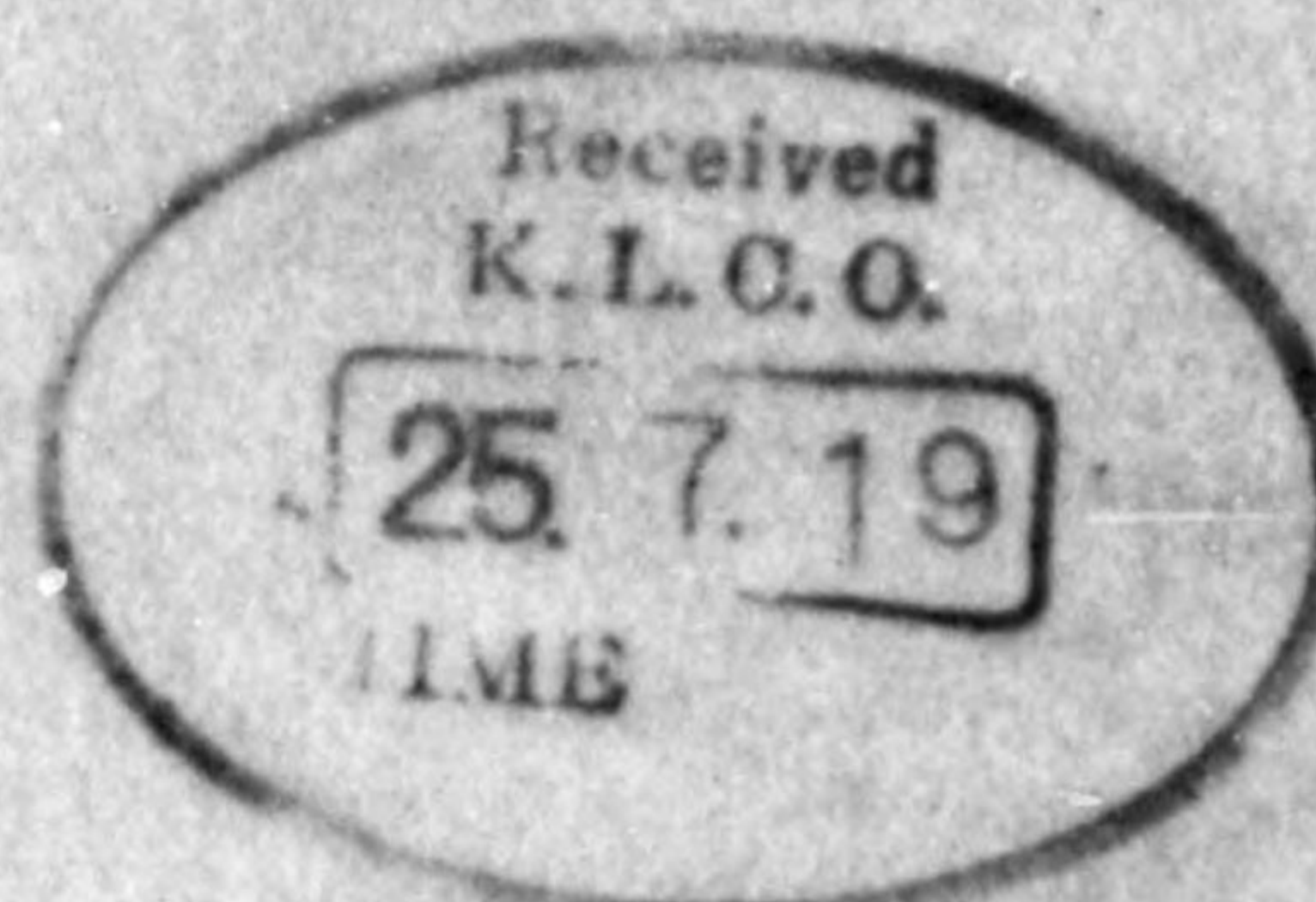
Ref. No. 842
15 July 1950

SUBJECT: Requisitioning of Vaccines (Veterinary)
TO : Chief,
Headquarters Kanto Civil Affairs Region,
APO 201
(Attention: Public Health Section)

With reference to the above subject, we gave an order to Kitazato Laboratory for obtaining equine epidemic encephalitis vaccines, on 14 July 1950 as shown in the attached sheet.

Jukichi Kodaira
JUKICHI KODAIRA
Governor,
Tochigi Prefecture

JK/Livestock Section/oy-ki



- Copy -

CHIKU No. ---
14 July, 1950

SUBJECT: Requisitioning of Equine Epidemic
Encephalitis Vaccines

TO : Chief, Kitazato Laboratory

FROM : Chief, Tochigi Pref. Livestock Section

We are in necessity of purchasing the under-
mentioned quantity of Equine Epidemic Encephalitis
Vaccine.

You are requested to let our demand meet upon
your favorable consideration.

<u>Name</u>	<u>Quantity</u>	<u>Remarks</u>
Equine Epidemic Encephalitis Vaccine	2,900 c.c.	30 pieces, each containing 50 c.c. 14 pieces, each containing 100 c.c.
Total	2,900 c.c.	

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

Ref. No. 843
15 July 1950

SUBJECT: Purchase Program on Liquid Bacillus for Quick Diagnosing by Tuberculin and Brucellosis.

TO: Chief,
Headquarters Kanto Civil Affairs Region,
APO 20L
(Attention: Public Health Section)

Below mentioned are what we have applied to the Ministry of Agriculture and Forestry for procurement.

Tuberculin	150 c.c.	¥5,760
Brucellosis	200 c.c.	¥10,020
<u>Total</u>		¥15,780

72 *Toku Kodaira*
JUKICHI KODAIRA
Governor,
Tochigi Prefecture

JK/Chikusan-ka/tt-hk

Received
K.L.C.O.
25 7 18
TIME

Page 10

VETERINARY INFORMATION SHEET

KCAR PH No. 9

Livestock Section Tochigi Pref. Period 1 June to 30 June 1950

A. TUBERCULOSIS:

1. Number of animals tested during the period. None
2. Testing was accomplished in the following areas: None
3. Number of positives and/or suspect cases and areas:
None
4. Number of positive reactors sent to slaughter houses:
None
5. Number of animals remaining to be tested:
None
6. Remarks concerning the "T. B." control program:
None

B. BRUCELLOSIS:

1. Number of animals (bovine) tested during this period:
None
2. Testing was accomplished in the following areas:
None
3. Number of positives and/or suspect cases and areas:
None
4. Number of suspects or positive isolated:
None
5. In cases of positive or suspect animals, what general sanitary program was effected with regard to milk or milk products? (Detail)
None
6. Number of goats tested for Brucellosis:
None
7. Number of reactors among goats:
None
8. Number of animals remaining to be tested:
a. Cattle: None b. Goats: None
9. Remarks in detail regarding the Brucellosis program:
None

C. SWINE DISEASES:

1. Number of swine vaccinated for the following:

a. Swine cholera ----- 92

Those which were not vaccinated in April,
were vaccinated this month amounting to the above
number.

(Kamitsuga-gun ----- 70

(Haga-gun ----- 10

(North N_osu-gun ----- 12

b. Swine erysipelas ----- None

2. In what areas were swine disease most prevalent:

None

3. Number of fatalities autopsied in each disease diagnosed:

None

4. Write a brief report of autopsy findings on (1) one of each disease diagnosed. (Use attached sheet).

None

D. EQUINE DISEASES:

1. Number of horses vaccinated for

E. encephalomyelitis -----	500
(Kawachi-gun -----	3
(Kamitsuga-gun -----	56
(Haga-gun -----	13
(Shioya-gun -----	221
(South Nasu-gun -----	46
(North Nasu-gun -----	18
(Shimotsuga-gun -----	129
(Pref. Breed-Animal Station -----	14

The above are those which were not vaccinated in the first & second vaccination which took place during May: however, the third vaccination is now under enforcement; the total number vaccinated on the first occasion were 6535.

2. Number of horses remaining to be vaccinated for E. encephalomyelitis?

8,328

3. What is the age limit of animal vaccinated for E. encephalomyelitis?

4

4. Area of disease outbreak in equine disease:

Anemia infectiosa equorum

5. Number of cases diagnosed for each disease:

None

6. Areas in which cases occurred and number in each:

<u>Disease</u>	<u>Area</u>	<u>Number</u>
Anemia infectiosa equorum	Shimotsuga-gun	1

7. Attach autopsy report on one of each disease autopside.

No horse was put to autopsy this month.

8. Brief remarks on the status of equine disease program and suggestions.

The Pref. authorities distributed 1,200 gals. of D.D.T. to each city, town & village, free of charge, with a view of encouraging to exterminate of blood-sucking insects with relation to equine epidemic-encephalitis vaccination.

E. GOVINE DISEASES:

1. Number of cattle vaccinated for:

None

2. Number of cases of bovine diseases in each case
(Exclude T. B. and Brucellosis)

None

3. Area of occurrence.

None

4. Number of animals examined for Trichomonas.

None

5. Number and disposition of Trichomonas cases.

None

6. Remarks regarding the treatment and control of bovine
disease. (Use attached sheet)

None

F. SHEEP AND GOAT DISEASES:

1. Number of cases and type of diseases diagnosed for each animal.

	<u>Disease</u>	<u>Number</u>
Goat	-	-
Sheep	Waist paralysis <i>fibralinosis</i>	3

2. What control programs are being conducted in these diseases:

Entering the prevalent season of ~~paralysis~~^{fibralinosis} in the part of waist of sheep and goats, we are encouraging of extermination of mosquitoes and other blood-sucking insects, which are the causes of communicable diseases, as well as vaccination by means of the drug of Antimon.

The Pref. Domestic Animal Sanitation Laboratory is planning to execute vaccination from the middle of July towards the sheep (around 100) at Hikoma-mura, Aso-gun and those of reclamation land district.

G. FOWL DISEASES:

1. Number of Pullorum tests conducted on fowl.
None
2. Number of cases of Pullorum disease diagnosed:
None
3. List any other disease diagnosed:
None
4. What is the current fowl disease program:
None
5. Remarks as to problem in fowl disease control.
(Use attached sheet if necessary)
None

H. GENERAL INFORMATION:

1. What conferences were held in the Livestock Veterinary Section?

- a. Regular conference of livestock
- b. Tochigi Pref. Dairy-farming conference
- c. Tochigi Pref. Standard Community Research Impression Meeting
- d. Tochigi Pref. Fodder Committee

2. What education programs were conducted during the month.

None

3. What is the current animal census?

a. Dairy animals	2,751	g. Rabbit for hair	11,698
b. Work oxen	20,421	h. Rabbit for fur	51,167
c. Horses	51,339	i. Fowl	441,256
d. Swine	11,184	j. Ducks	2,080
e. Sheep	3,361	k. Geese	51
f. Goats	9,249	l. Turkeys	34
		m. Bee	645 groups

4. Breeding stations in operation:

a. What work is being conducted at breeding station:

- (a) Vaccination effected for equine epidemic encephalitis (horse 14, milk-cow 15, working-cow 6, swine 21, sheep 39, goat 8)
- (b) Breeding enterprise (milk-cow 1, working-cow 4, horse 3)
- (c) Distribution of breeding animal breeding fowl (piggy 3, breeding chicken 361)
- (d) Domestic animals breeding in leash (milk-cow 10, working-cow 4, horse 9, swine 8, sheep 47, goat 7, rabbit(hair use) 23, rabbit (fur use) 34)

b. What problems are encountered?

In order to strengthen the livestock breeding enterprise, we have been under construction of sheep-house which was accomplished (90 tsubo in all)

5. Were there any cases of Anthrax, Blackleg, or Foot and Mouth disease in the prefecture during this period?

None applicable

6. Discuss the monthly activity of the "Animal Health Centers" in the prefectures.

Tested:	7
Diagnosis:	104
Medical treatment:	41
Artificial fertili- zation, diagnosis for pregnant:	30
Consultation:	18
Others:	63
Total	263

Remarks: Four places of livestock health center in this pref. are under enforcing equine epidemic encephalitis vaccine.

7. Discuss any other pertinent data relevant to the animal disease control program (Example: Artificial breeding, etc.)

None applicable

Yasuo Shimada
 YASUO SHIMADA
 Chief, Livestock Sect.,
 Tochigi Prefecture

Tochigi-ken Livestock Hygienic Experiment Station.

- No date - 17.2.50*
- aj*
1. Location In the premises of Tochigi Prefectural Government, Hanawada-cho, Utsunomiya-shi.
 2. Objective Performance of veterinary test and examination in the light of livestock hygiene.
 3. Service
 - (1) Blood test.
 - (2) Night-soil test.
 - (3) Milk test.
 - (4) Pathological test.
 - (5) Bacteriological test.
 - (6) Bio-chemical test.
 - (7) Production and upkeep of injection liquid for use of disease-prevention, serum and diagnosis.
 - (8) Experiment on artificial fertilization.
 - (9) Research on special disease germs.
 - (10) Research on special method of medical treatment.
 - (11) Scientific test on potentiality.
 - (12) Examination on environment hygiene.
 - (13) Examination on fodder and feed.
 - (14) Test of animals.
 - (15) Test on livestock products.
 - (16) Diffusion of veterinary technique.
 - (17) Consultation on livestock hygiene.

Tochigi-ken Livestock Health Offices.

1. Name and location.

Utsunomiya Livestock Health Office, Tochigi Prefecture.				In the Premises of the Tochigi Prefectural Government, Hanawada-cho, Utsunomiya-shi.
Kawanishi	"	"	"	Kawanishi-machi, Nasu-gun.
Nozaki	"	"	"	Nozaki-mura, Nasu-gun.

2. Objective. Prevention of wear and tear of livestock and promotion of their breeding.

3. Service.

A. Health improvement for livestock.

- (1) Improvement and leadership for feeding and upkeep of livestock.
- (2) Physical examination and first aid treatment for diseases.
- (3) Test on blood, night-soil and milk.
- (4) Examination on fodder and feed.
- (5) Hygienic consultation for livestock.

B. Breeding promotion.

- (1) Dissemination on breeding knowledge and leadership for breeding promotion.
- (2) Check on the sign of sexual excitement and leadership as to breeding.
- (3) Artificial fertilization.
- (4) Semen test.
- (5) Inborn test.
- (6) Diagnosis on disease of congenital organs.

C. Anti-infectious disease measure.

- (1) Early diagnosis of infectious disease.
- (2) Examination on nature of a disease.
- (3) Leadership in fumigation and rodent control.
- (4) Dissemination on preventive injection.
- (5) Dissemination and improvement of preventive ideas against disease.

D. Special disease treatment on livestock.

- (1) Indigenous disease.
- (2) Epidemic.
- (3) Poisoning.
- (4) Other peculiar disease.

U.S. Army A.H. Center
- see Title -

- Assist Rabies Control

- Run own Blood in
Bancellasis Rapid
Agglutinated

- Re run suspects
at laboratory -

- Parasitic diseases
Testing only

- Artificial Insemination
no under preparation

- Refrigeration (++)

- Examination & Testing
room well equipped

- Sterilization facilities
good.

- Private practitioners
utilize facilities

- Vaccine - charges -
to pract. at
Prof. cost.

- P.P. not doing
artificial insemination

3 Vets. and
1 clerk (Nurse)
+ 1 Temporary from L.S.S.

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

Ref. No. 833
10 July 1950

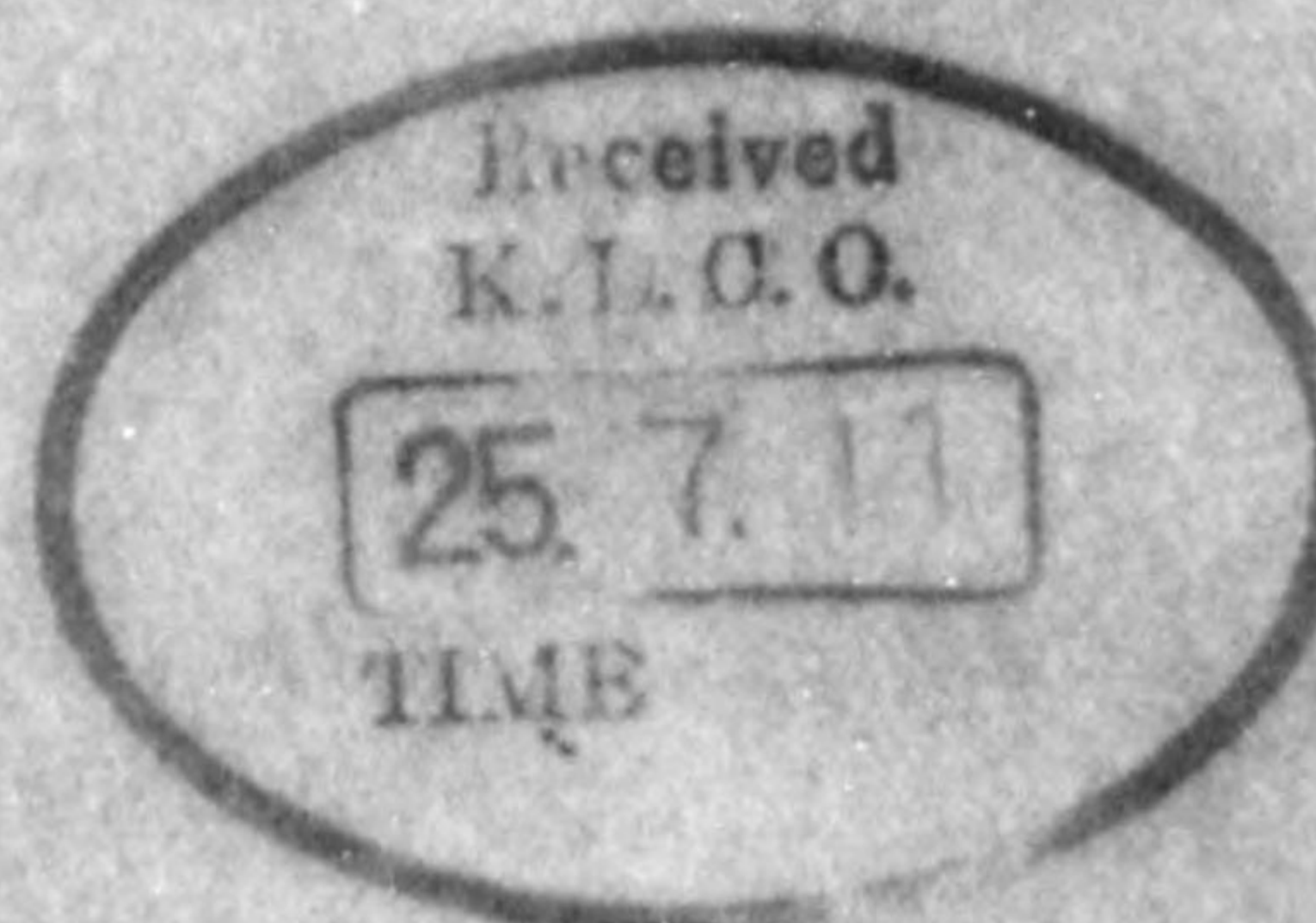
SUBJECT: Requisitioning of Vaccines (Veterinary)

TO : Chief,
Headquarters Kanto Civil Affairs Region,
APO 201
(Attention: Public Health Section)

With reference to the above subject, we gave an order to Kitazato Laboratory for obtaining equine epidemic encephalitis vaccine, on 7 July 1950 as shown in the attached sheet.

For [Signature]
JUKICHI KODAIRA
Governor,
Tochigi Prefecture

JK/Livestock Section/oy-k1



- Copy -

CHIQU NO. ----
7 July 1950

SUBJECT: Requisitioning of Equine Epidemic Encephalitis
Vaccine

TO : Chief, Kitazato Laboratory

FROM : Chief, Tochigi Pref. Livestock Section

We are in necessity of purchasing the under-
mentioned quantity of equine epidemic encephalitis vaccine.

You are requested to let our demand meet upon
your favorable consideration.

<u>Name</u>	<u>Quantity</u>	<u>Remarks</u>
Equine Epidemic Encephalitis Vaccine	5,000 c.c.	50 pieces, each containing 100 c.c.
Total	5,000 c.c.	

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

Ref. No. 751
19 June 1950

SUBJECT: Report on our Requesting Serum.

TO: Chief,
Headquarters Kanto Civil Affairs Region,
APO 201

This is to report that we have sent our request of serum under-mentioned to the chief of the Japan Biological Chemical Research (15th June).

<u>Item</u>	<u>Quantity</u>
Swine Cholera Prevention Vaccine	5,000 c.c. (50 ampules each containing 100 c.c.)
TOTAL	5,000 c.c.

for *Chiro Kamei*
JUKICHI KODAIRA
Governor,
Tochigi Prefecture

JK/Livestock Section/By-hk



S. Tochi

RANGE

of

飼料作物展示圃栽培作物名簿

*The List of Forage Crops
in the Sample Garden.*

25. 6. 10

June, 10th, 1950.

栃木縣種畜場
Tochigi-Ken Livestock Breeding Station

豆科圃場

圃場 番号	作物名	科名	学 名	品種名	産 地
1					
2					
3					
4					
5	Hagi はぎ	豆科	<i>Lespedeza bicolor</i> Mill.	いたちはぎ当	場
6	"	"	"	しうはぎ	"
7	Soybean 大豆	"	<i>Glycine ussuriensis</i>	大谷地	北海道 新冠種畜牧場
8	"	"	"	丸小粒	"
9	"	"	"	今	田畜試中国支場
10	"	"	"		当 場
11	"	"	"	秋	北海道 十勝種畜牧場
12	"	"	"	茶小粒	北海道 月寒試験地
13	"	"	"	"	岩手種畜牧場
14	"	"	"	"	北海道 新冠種畜牧場
15	"	"	"	"	"
16	大豆	"	"	黒千石	畜試中国支場
17	"	"	"	"	長崎農試
18	"	"	"	青	引岩手種畜牧場

- | | | | | |
|----|---------------------------|---------------------------------|------|-------------|
| 19 | Red Clover
レッドクローバー | 豆科 <i>Trifolium pratense</i> L. | 当 | 場 |
| 20 | White Clover
ホワイトクローバー | " <i>Trifolium repens</i> L. | " | " |
| 21 | Clover
備乳クローバー | " | 關 | 東 山 農 試 |
| 22 | | | | |
| 23 | | | | |
| 24 | Cow pea
カウピー | | 關 | 東 山 農 試 育 部 |
| 25 | Lucerna (Alfalfa)
ルーサン | <i>Medicago sativa</i> L. 紫花種 | 當 | 場 |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |
| 29 | | | | |
| 30 | | | | |
| 31 | Hairy Vetch
ヘヤリベッチ | <i>Vicia villosa</i> L. | 當 | 場 |
| 32 | Bean
秣食豆 | | 503号 | 大館農政改良実験所 |
| 33 | | | | |
| 34 | Bean
秣食豆 | | 504号 | 大館農政改良実験所 |
| 35 | | | | |
| 36 | Bean
秣食豆 | | 057種 | 大館農政改良実験所 |

禾本科圃場

- | | | | | | |
|----|-------------------------------|-----|--------------------------------|------------------------------|---------------|
| 1 | Corn
玉蜀黍 | 禾本科 | <i>Zea mays</i> L. | オーアールロング
フェロー (★) | 新冠種畜牧場 |
| 2 | " | " | " | 馬齒 | 種畜試中国支場 |
| 3 | " | " | " | ロングフェロー | 北海道
札幌試験地 |
| 4 | " | " | " | " | 北海道
十勝種畜牧場 |
| 5 | Job's tears
はとむぎ
millet | " | <i>Coix lacrymajobi</i> L. | " | 長崎展試 |
| 6 | ウ | え | " | <i>Panicum crus-galli</i> L. | 粟 |
| 7 | Corn
玉蜀黍 | 禾 | <i>Zea mays</i> L. | エーロー
デントコーン (R) | 岩手種畜牧場 |
| 8 | " | " | " | " | 新冠種畜牧場 |
| 9 | " | " | " | ホワイト
デントコーン | " |
| 10 | " | " | " | " | 縣 |
| 11 | " | " | " | " | 燧石種畜試中国支場 |
| 12 | Oat
燕 | 麦 | <i>Avena sativa</i> L. | ホワイト
ブロー | 十勝種畜牧場 |
| 13 | " | " | " | ビクトリー
1号 | 北海道展試 |
| 14 | " | " | " | 前 | 道北展試根室支場 |
| 15 | " | " | " | " | 新冠種畜牧場 |
| 16 | " | " | " | " | 長崎展試 |
| 17 | " | " | " | " | " |
| 18 | Pearl-millet
パールミレット | " | <i>Pennisetum typhoides</i> L. | ビクトリー1号 | 北海道試験地 |

- | | | | |
|----|----------------------------------|--------------------------------|-----------------|
| 19 | Timothy
チモシー | 禾本科 <i>Phleum pratense</i> L. | 関東東山展試 |
| 20 | " | " | 月寒試験地 |
| 21 | " | " | 新種種畜牧場 |
| 22 | " | " | 北展試根室支場 |
| 23 | Tall oat grass
トールオートグラス | <i>Avena elatior</i> L. | 関東東山展試
那須畜産部 |
| 24 | Millet
ヒ | <i>Panicum Caps-galli</i> L. | 陸羽 田子大館農政試験所 |
| 25 | Sudan grass
スーダングラス | <i>Sorghum vulgare</i> | 当 地 |
| 26 | Orchard (Cocksfoot)
オーチャードグラス | <i>Dactylis glomerata</i> L. | 月寒試験地 |
| 27 | " | " | 関東東山展試 |
| 28 | Millet
ヒ | <i>Panicum Caps-galli</i> L. | 主大館農政試験所 |
| 29 | Prairie grass
いぬむぎ | <i>Bromus inoloides</i> H.B.K. | 関東東山展試 |
| 30 | Italian rye grass
イタリヤンライグラス | <i>Lolium italicum</i> Brwn. | " |
| 31 | Meadow fescue
メドウフェスク | <i>Festuca pratensis</i> Huds. | " |
| 32 | Millet
ヒ | <i>Panicum Caps-galli</i> L. | 宮内大館農政試験所 |
| 33 | Italian rye grass
イタリヤンライグラス | <i>Lolium italicum</i> Brwn. | 関東東山展試
那須畜産部 |
| 34 | Johnson grass
ジョンソングラス | <i>Sorghum halepense</i> L. | " |
| 35 | Millet
ちぎく | <i>Andropogon sorghum</i> | " |
| 36 | " | <i>Panicum Caps-galli</i> L. | 群大館農政試験所 |

その他の作物圃場

- 1
- 2
- 3 Common sunflower
ひまわり 菊科 *Helianthus annuus* 昭和十八年調査
- 4 昭和十八年調査
- 5
- 6
- 7 Pumpkin
ポンキン 葫芦科 *Cucurbita maxima* 昭和十八年調査
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

- Beet (Mangold)*
- 19 飼料用ビート 藜科 *Beta vulgaris* L. ショガー マンゴルト 北海道農試 根室支場
- 20 " " " " バ-ルスストーリー "
- 21 " " " " マリエンリスト "
- 22 " " " " 改良マリエンリスト 新冠種畜牧場
- 23 " " " " マンゴロンケレッド "
- 24
- Swedish Turnip (Rutabaga)*
- 25 スエーデンかぶ 十字花科 *Brassica napus* L. 北海道農試 根室支場
- 26 " " " " 茨城県種畜場
- 27
- 28
- 29
- 30
- 31
- 32
- 33
- 34
- 35
- 36 *Jerusalem Artichoke*
- 37 菊 芋 菊科 *Helianthus tuberosus* 当 場

飼料作物展示圃

豆 科 || 禾 木

1	2	3	4	5 はぎ	6 はぎ	7 玉蜀黍 オーブ ロシ750	8 玉蜀黍 エロー デントコーン	9 玉蜀黍 ロング ロシ750	10 玉蜀黍 ロシ750	11 蕎麥
7 大豆 大谷地	8 大豆 丸小粒	9 大豆 今日	10 大豆	11 大豆 秋田	12 大豆 茶小粒	13 玉蜀黍 エロー デントコーン	14 玉蜀黍 エロー デントコーン	15 玉蜀黍 ホワイト デントコーン	16 玉蜀黍 ホワイト デントコーン	17 玉蜀黍 燧石種
13 大豆 茶小粒	14 大豆 茶小粒	15	16 大豆 黒千石	17 大豆 長崎	18 大豆 青引	19 燕長 ピタ9- 1号	20 燕長 前進	21 燕長 前進	22 燕長 長崎	23 燕長 ピタ9- 1号
19 トード 70パー	20 ホワイト 70パー	21 催乳 70パー	22	23 Laredo	24 カウビー	25 子モシ 濃葉	26 子モシ 月寒	27 子モシ 新冠	28 子モシ 根堂	29 トール オートグラス
25 ルサン	26	27	28	29	30	31 ス-ダ グラス	32 オ-キ グラス	33 オ-キ グラス	34 稗 坊主	35 イヌムギ
31 ハリ ベツ	32 秣食豆 503	33	34 秣食豆 504	35	36 秣食豆 ロシ種	37 メドウ フェスキ	38 稗 沼宮	39 イタリヤ ライグラス	40 ジコリン グラス	41 ちぞく

物 展 示 園 見 取 図

— 25. 6. 10. —

栃木縣種畜場

禾 木 科 || その他

1 玉蜀黍 オーパー ロング	2 玉蜀黍 エロー デントコーン	3 玉蜀黍 ロング	4 玉蜀黍 ロング	5 蕎麦	6 稗 深肉産	7	8	9 ひとわり ナス	10 ひとわり 長崎	11 ひとわり 長崎	12 ひとわり	13 苜蓿
7 玉蜀黍 エロー デントコーン	8 玉蜀黍 エロー デントコーン	9 玉蜀黍 ホワイト デントコーン	10 玉蜀黍 ホワイト デントコーン	11 玉蜀黍 燧石種	12 燕麦 ホワイト 2-7-7	ボンタシ						13
13 燕麦 ピタゴ 1号	14 燕麦 前進	15 燕麦 前進	16 燕麦 長崎	17 燕麦 ピタゴ 1号	18 パー シレット							15
19 ナモシ 鴻巣	20 ナモシ 月寒	21 ナモシ 新冠	22 ナモシ 根茎	23 トール オートグラス	24	19 ビート シガー マンゴルト	20 ビート パーズ ストリーネ	21 ビート マリエンサ	22 ビート 改良 マリエンサ	23 ビート マンモス ロング	24	25
25 スーデン グラス	26 オート グラス	27 オート グラス	28 稗 坊主	29 イヌムギ	30 イタリアン ライグラス	25 スエデン カブ	26 スエデン カブ	27	28	29	30	31
31 スト フェス	32 稗 沼宮	33 イタリアン ライグラス	34 ジョーリン グラス	35 ちぢく	36 稗 黒稗	31	32	33	34	35	36	

775013

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

wa. J.

Ref. No. 692
2 June, 1950

SUBJECT: On Outbreak of Collective Toxic Cases
TO : Chief,
Headquarters Kanto Civil Affairs Region,
APO 201
(Attention: Public Health Section)

With reference to the above subject which took place in Shiota-gun county in our jurisdiction, we hereby report the result of our investigation over the case as attached sheets.

for Chieo Kamei
JUKICHI KODAIRA
Governor, Tochigi Prefecture

JK/Public Health Section/hs-ki



1. Place of occurrence: At the 2nd Farm Ground,
Izumi-mura, Shiota-gun, Tochigi Pref.

2. Environment state of the same:

The said place is a slightly-elevated plateau lying at the foot of Mt. Takahara, and Amanuma River running on the east of the community is the upper stream of Arakawa River with about 10 meters width and with usually small volume stream. The river water, dammed up at the upper course, is used as irrigation, drinking and domestic use water for 15 houses, but there is installed no special disinfecting apparatus.

3. Outbreak status of cases.

Number of houses where case broke out: 11

Others: One horse

18 May	-----	25	(Men 14, Women 11)
19 "	-----	3	(" 2, " 1)
20 "	-----	1	(" 1, " 0)
21 "	-----	2	(" 1, " 1)
22 "	-----	2	(" 1, " 1)
<u>Total</u>		<u>33</u>	(" 19, " 14)

(Patients are affected irrespective of age)

4. Condition of illness.

a. Man's symptoms.

On 18 May, it was comparably hot to do work, so they in the community drunk the said water out-doors and in-doors, and some of them were attacked by the disease at around 7 p.m. on the day and others at the mid-night with slight sickness, vomiting, stomach strain and diarrhoea. A few patient of them had a headache, but since 19th day, they began to regain their health. Those who were confined to bed count 2 as of 22nd day excluding Genichi Hoshino who fell ill the very day. Most of them were engaging in their usual work as they were affected with the disease except a few cases who were troubled with a slight diarrhoea, lack of appetite and stomach pressure. The fever was 39.5 degrees at maximum, but at present they have no fever.

The condition of 5 persons who fell ill since 20th is as follows:

The condition of Gen-ichi Hoshino, 5 years old, is same as above-mentioned, and other four persons have nothing to be mentioned herein except a slight diarrhoea and stomach ache.

b. Horse's symptoms

The said horse is considered to have fallen ill on the night of 18th day, and the following day, 19th, he became less energetic and gave a stenchy excreta.

5. Source

a. Taking it for dysentery at first, the excreta given by the 6 diseased was examined through Endo's Bacillus Culture Method at the medical experimental station, but no bacillus were found and it was also denied by a clinical opinion that it was dysentery.

b. Food poison concerns

No cause was traced in food supplied at any gathering or others.

c. In every diseased family, the patients were considered to have been caused by food poison on the very night of the 18th, but later on it was found that most of those who were using the above mentioned river water and drank the water during their work on the 18th were attacked with the illness and that the illness must have been caused by the river water, so they went to the river and found some of little fishes had been dead. Thinking that some one used poison or drastic medicine for fishing at the upper stream, they reported it to the police on 21st three days after, but its fact is yet undetailed.

The competent health office of Yaita, upon information from the police on 21st, dispatched officials in charge to the scene, who, gathering the water from three places, conducted an experimental test at the local sanitation laboratory, but could not find any poisonous material. It is told that a certain person fishes every year by means of poison at the river.

Such being the case, the cause is not yet clarified so far. On 21st, three days after, Doctor Nishigaki at Yaita-machi made a visit to patients together with the health office staffs and he gave such views that though the source of illness left undetailed due to three days lapse since its occurrence, it must be poisoning caused by some food.

6. Disposal

- a. Enforcement of medical examination and investigation
- b. Prohibition of the river water use
- c. Disinfection of soiled things
- d. Fly extermination

VETERINARY INFORMATION SHEET

KCAR PH No. 9

Livestock Section Tochigi Pref. Period 1 May to 31 May 1950

A. TUBERCULOSIS:

1. Number of animals tested during the period. None
2. Testing was accomplished in the following areas; None
3. Number of positives and/or suspect cases and areas;

<u>AREA</u>	<u>SUSPECTS</u>	<u>POSITIVES</u>
Nasu-gun		
Shiotsu-gun		
Kamitsuga-gun		
Shimotsuga-gun	None	
Kawachi-gun		
Haga-gun		
Aso-gun		
Ashikaga-gun		
Total		

4. Number of positive reactors sent to slaughter houses; None
5. Number of animals remaining to be tested. None
6. Remarks concerning the "T. B." control program; None

B. BRUCELLOSIS:

1. Number of animals (bovine) tested during this period. None
2. Testing was accomplished in the following areas; None
3. Number of positives and/or suspect cases and areas;

<u>AREA</u>	<u>SUSPECTS</u>	<u>POSITIVES</u>
-------------	-----------------	------------------

None

4. Number of suspects or positive isolated. None
5. In cases of positive or suspect animals, what general sanitary program was effected with regard to milk or milk products? (Detail)

None

6. Number of goats tested for Brucellosis. None

7. Number of reactors among goats;

<u>AREA</u>	<u>SUSPECTS</u>	<u>POSITIVES</u>
-------------	-----------------	------------------

None

8. Number of animals remaining to be tested;

- a. Cattle. None
- b. Goats. None

9. Remarks in detail regarding the Brucellosis program;

None

C. SWINE DISEASES:

1. Number of swine vaccinated for the following;

a. Swine cholera 715

Those which were not vaccinated in the previous month, April, were vaccinated this month amounting to the above number.
560 in Shimotsuga-gun, 98 in South-Nasu-gun, 27 in Nasu-gun and 30 in Pref. Breed-Animal Station were vaccinated this month.

b. Swine erysipelas None

2. In what areas were swine disease most prevalent;

<u>Area</u>	<u>Disease</u>
-------------	----------------

None

3. Number of fatalities autopsied in each disease diagnosed;

None

4. Write a brief report of autopsy findings on (1) One of each disease diagnosed. (Use attached sheet).

None

D. Equine Disease:

1. Number of horses vaccinated for
 - a. E. encephalomyelitis: 6,035
 The vaccination was carried out in the prefectural 132 towns and villages. Number of horses vaccinated this time amounted to 1329 in Kawachi-gun, 352 in Kamitsuga-gun, 1,502 in Hega-gun, 1,147 in Shimotsuga-gun, 448 in Shioya-gun, 561 in Nasu-gun, 130 in South Nasu-gun, 302 in Aso-gun and 264 Ashikaga-gun.
2. Number of horses remaining to be vaccinated for E. encephalomyelitis?
 8,328
3. What is the age limit of animal vaccinated for E. encephalomyelitis?
 1 to 4 years of age

4. Area of disease outbreak in equine disease:

<u>Disease</u>	<u>Area</u>
Equine Paratyphoid	Hiraishi-mura, Kawachi-gun
Anaemia infectiosa equorum	Nasu-mura, Nasu-gun
"	Ogawa-mura, Nasu-gun
"	Sugatagawa-mura, Kawachi-gun
"	Kunimoto-mura, Kawachi-gun
"	Shizuwa-mura, Shimotsuga-gun
"	Minami-Inukai-mura, "
"	Mizuho-mura, Shimotsuga-gun

5. Number of cases diagnosed for each disease.

<u>Disease</u>	<u>Equine paratyphoid</u>	<u>Anemia infectiosa equorum</u>
Sanitation Laboratory	1	2

6. Areas in which cases occurred and number in each:

<u>Disease</u>	<u>Area</u>	<u>Number</u>
Equine paratyphoid	Kawachi-gun	1
Anemia infectiosa equorum	Kawachi-gun	2
"	Nasu-gun	2
"	Shimotsuga-gun	3

7. Attach autopsy report on one of each disease autopsied.

See attached 1

8. Brief remarks on the status of equine disease program and suggestions (Use attached sheet)

(1) Due to the farmer's busy season, number of horses vaccinated for E. encephalomyelitis was smaller than we expected. The prefectural authorities are trying for satisfactory prevention by advertisement and the additional vaccination program.

(2) After killing the horse taken in paratyphoid, Tochigi Pref. Domestic Animal Sanitation Laboratory succeeded in separation and culturing of the paratyphoid bacteria.

E. BOVINE DISEASES:

1. Number of cattle vaccinated for:
None
2. Number of cases of bovine diseases in each case
(Exclude T. B. and Brucellosis)
None
3. Area of occurrence.
None
4. Number of animals examined for Trichomonas.
None
5. Number and disposition of Trichomonas cases.
None
6. Remarks regarding the treatment and control of
bovine disease. (Use attached sheet)

F. SHEEP AND GOAT DISEASES

1. Number of cases and type of diseases diagnosed for each animal.

None

2. Number of disease fatalities autopsied in each incidence of goat and sheep diseases.

None

G. FOWL DISEASES:

1. Number of Pullorum tests conducted on fowl:

One time, for 595 fowls including 506
hens and 89 ducks

2. Number of cases of Pullorum disease diagnosed:

<u>Area</u>	<u>Total Number Fowl</u>	<u>Total Positive</u>
Tochigi Prefectural Livestock Breeding Farm.	595	253 (27 of them are duck)

3. List any other disease diagnosed:

<u>Disease</u>	<u>Area</u>	<u>Number</u>
----------------	-------------	---------------

None

4. What is the current fowl disease program:

In addition to Pullorum tests, following methods
will be encouraged to carry out.

- (1) to weed out fowls with disease germ
- (2) to disinfect fowl houses, chick raising houses
and egg hatching apparatus.
- (3) to exchange and disinfect their walking ground
- (4) to dispose drops adequately.

5. Remarks as to problem in fowl disease control.
-
- (Use attached sheet if necessary)

H. GENERAL INFORMATION:

1. What conferences were held in the Livestock Veterinary
-
- Section?

- (1) Periodical livestock conference
- (2) Business session on livestock disease prevention
committee and designated veterinarians.
- (3) Business session on equine encephalomyelitis
immunization.
- (4) Conference for advisers pertaining to livestock
breeding villages.

2. What education programs were conducted during the
-
- month?

None

3. What is the current animal census?

a. Dairy cow	2,744
b. Meat and work cow	
	20,015
c. Horses	49,933
d. Swine	10,140
e. Fowl	3,459
f. Sheep	9,644
g. Goats	8,295
for fur	
for hide	
	53,421
h. Fowls	422,454
i. Duck	1,926
j. Goose	66
k. Turkey	26
l. Honey-bee	554 swarms

4. There is one breeding station now in operation.

a. What work is being conducted at Breeding stations?

1. For raising: dairy cow: 10, work and pork swine: 4 equine: 9, swine: 3, Sheep 38, goats: 7, tame rabbit: 59, duck: 35, hens and chickens: 274
2. For breeding: dairy cow: 6, work and park cow: 8, equine: 14, swine: 2, goats: 3
3. For egg ^{hatching} laying: hens: 884, duck: 210
4. For distributions for breeding: hens of about one year: 80, duck: 205

b. What problems are encountered?

Goats house of about 90 tsubo floor area is under construction for intensification of the livestock farm project.

5. Were there any cases of Anthrax, Blackleg, or Foot and Mouth disease in the prefecture during this period? (YES - NO) Explain below:

None

6. Discuss the monthly activity of the "Animal Health Centers" in the prefectures.

Test examination	5
Diagnosis	66
Veterinary treatment	50
Artificial fertilization	1
Inquiry	43
Others	4
Remark	

Anti-equine encephalitis inoculation is being carried out at four livestock health centers in the prefecture.

7. Discuss any other pertinent data relevant to the animal disease control program (Example: Artificial breeding, etc.)

As prevention method against the equine encephalomyelitis, extermination of blood sucking insects are to be intensified by means of distribution of DDT to each community. As for prevention against swine cholera, disinfectious pharmocens are to be distributed to each block of swine with object of disinfecting swine houses.

Signed:

Shimada Yasuo

Livestock Section Chief
Tochigi Ken

Attached 1

Autopsy Report

Officials in charge of autopsy: KOBAYASHI Yasu (Non-commissioned official)

Name of office: Livestock Section, Economic Dep't, Tochigi Prefecture

Kind of animal: Horse, age: 11, Sex: Male, Use: Farming

Date taken ill: 6 May 1950

Date died: 10 May 1950

Date autopsied: 10 May 1950

Place autopsied: Autopsy room, Veterinary Course, Agricultural Science Dep't, Utsunomiya University

Condition of disease: This horse was shipped in from Hokkaido about one month ago. Got fever at the beginning of May. The condition on 8 May is: Pulse 60; respiration 25; temperature 39.2 C; number of red blood-corpusele 4,200,000; blood sedimentation rate 114. The testicles swelled as large as the head of baby. The mucous membranes were of dark red-yellow color. The acute agglutination was positive.

Name of disease: Equine paratyphus

Autopsy findings:

1. Examination of appearance.
The hair lost luster. Became thinner. Ill-nourished. The tail power was weak.
2. Diagnosis of internal parts.
 - a. Intestines.
The ileum showed the phenomenon of slight catarrhal inflammation of intestines.
 - b. Stomach.
On the bottom of stomach, bleeding as wide as twice a palm was seen near the pylorus.
 - c. No change at heart, liver, lungs, and pancreas.
 - d. Spleen.
No remarkable change except slight swelling
 - e. Sexual organ.
The scrotum swelled as large as the head of

baby but felt no fever. The testicles and epididymis swelled three times, around which serosity (yellow-white color) gathered, and fibroplasia (fibrosis) was seen in it. There was purulency fosse near testicles, in which purulence (sticky, yellow-white color) gathered.

3. Diagnosis.

Sedimentation reaction: Test tube method, intensely positive

Purulent orchitis, Spermatocanalitis, Catarrhal inflammation of intestines.

The salmonella abortivo-equina (germ of equine paratyphus) was separated from the stuff picked out of the purulency fosse and cultivated.

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

Ref. No. 564
28 April 1950

SUBJECT: On Requisition of Veterinary Vaccines

TO : Chief,
Headquarters Kanto Civil Affairs Region,
APO 201
(Attention: Public Health Section)

This is to report to you that we have purchased swine cholera as per the copies of the orders attached.

We add to report that the final determination on requisition of equine encephalomyelitis vaccine and its prevention program will be done in the equine encephalomyelitis conference to be held on 1 May.

Jukichi Kodaira
JUKICHI KODAIRA
Governor, Tochigi Prefecture

JK/Chikusan-ka/te-ki



C - O - P - Y

23 April 1950

To: President,
Nippon Biological Science Research Institute
(Nippon Seibutsu Kagaku Kenkyu-sho)

From: Chief,
Tochigi Pref. Livestock Industry Section

Request your consideration to send us the following.

Swine cholera vaccine 6,000 c.c.

C - O - P - Y

CHIKU No. 334

1 April 1950

To: President,
Nippon Biological Science Research Institute
(Nippon Seibutsu Kagaku Kenkyu-sho)

From: Chief,
Tochigi Pref. Livestock Industry Section

Request according to the notification of Sanitation Section Chief, Livestock Industry Bureau, Agriculture-Forestry Ministry dated 24 March that you take the consideration to send us swine cholera vaccine, of which amounts to be used by us for 1950 fiscal year being as follows.

Name of vaccine: Swine cholera vaccine

Amount: 28,000 c.c.

Proposed no. to be injected: 4,000

Period of use: From the beginning of April to the beginning of May

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

Ref. No. 649
25 May 1950

SUBJECT: Requisitioning of Vaccine(Veterinary)

TO: Chief,
Headquarters Kanto Civil Affairs Region,
APO 201.

Through your recommendation on the above subject,
Memorandum, 23 March, 1950, we gave an order for and have
gotten equine encephalomyelitis vaccine 60,000 cc for use
of the month of May from among 90,000 cc as shown in the
attached herein.

for Akira Tamai
JUNICHI KOBAYASHI
Governor,
Tochigi Prefecture.

JK/Live-stock Section/hc-ah

Received
K.L.C.O.
25.5.26
TIMB

- Copy -

Chiku No. 278
15 March 1950**SUBJECT: Equine Encephelomyelitis Vaccine for 1950****TO: Chief, Kitazato Laboratory****FROM: Chief, Tochigi Pref. Live-stock Section**

With regard to the above subject, we were inquired by the chief of Sanitation Section, Live-stock Bureau, Agri. & Forestry Ministry on the letter dtd. 27 Feb., and our investigation has resulted in as the list shown in the under-mentioned.

You are requested to let our demand meet upon your favorable consideration.

Equine Encephelomyelitis Vaccine Desired By
Vessel

Tochigi Prefecture

Total of Vaccine to be allotted since May: 90,000 cc**Details of the same:****60,000 cc (400 pcs. each containing 100 cc and 400 pcs. each containing 50 cc) for the former term of May.****30,000 cc (200 pcs. each containing 100 cc and 200 pcs. each containing 50 cc) for the middle term of May**

Remarks: As the preventive inoculation is scheduled to be carried out simultaneously at each county from the former term of May, the allotment for the latter term of June is requested to be sent by the middle June.

- Copy -

Request for Sending Us Equine Encephalomyelitic Vaccine

Tochigi Prefecture

Month under schedule	Date by which vaccine is hoped to be sent	Total Quantity	Quantity by Vessel	Name of RR. Line	Bus station	Received by
May	5 May	60,000 cc	400 (100cc) 400 (50cc)	Tohoku Line	Utsunomiya	Live-stock Sec., Tochigi Pref.
June	15 June	30,000	200 (100cc) 200 (50cc)	"	"	"
<u>Total</u>		<u>90,000</u>	<u>60,000 (100cc)</u> <u>50,000 (50cc)</u>			

Remarks: As the inoculation is scheduled to be carried out from 10 May, the vaccine to be used for the month of May, among the above list is requested to be sent us by 5 May at latest.

P.S. (60,000 cc of the above came to our hand on 1 May)

P.S.

775013

TOCHIGI PREFECTURAL GOVERNMENT

Utsunomiya City, Tochigi prefecture.

Ref. No. 647
24 May 1950

SUBJECT: Prevention Program for Epidemic Equine Encephalitis

TO : Chief,
Headquarters Kanto Civil Affairs Region,
APO 201

Attached is our prevention program for epidemic equine encephalitis, under which we have been conducting our prevention work since 15 May.

Jukichi Kodaira
JUKICHI KODAIRA
Governor, Tochigi Prefecture

JK/Chikusan-ka/to-ki

Received
K.L.G.O.
25 5 26
TIME

Received for...

PREVENTION PROGRAM FOR EPIDEMIC EQUINE ENCEPHALITISTochigi Pref. Livestock
Section

1. Basic Policy.

The year of 1949 saw out-break of epidemic equine encephalitis in 152 horses, of which 73 horses died. It is presumed from the situation of outbreak and the nature of this disease that there will be no heavy outbreak this year, but that considerable number of cases will appear. In view of the important influence of this disease on livestock industry and public sanitation, we are expecting thorough-going prevention be conducted under the this program.

A. Handling methods for preventive injection.

(1) Areas of preventive injection:

132 cities, towns, and villages
(See the annexed plan)

(2) Date of preventive injection:

1st and 2nd injection: 15 May to 5 June
3rd injection: The beginning of July

(3) Method of injection:

Basic immunity is given by two times hypodermic injection with the interval of 7 to 10 days, with 5 c.c. per time. In the prevalence period, the third hypodermic injection of 5 c.c. is to be given.

(4) Formation of prevention group.

A prevention group consisting of three animal epidemic prevention agents for the preventive measures such as examination, injection, isolation, disinfection, etc.

(5) Matters to be noted in injection.

a. Read well the "Guide for Using Injection" before conducting injection and be careful in handling injection.

b. Vaccine shall not be exposed to direct light.

c. The date of manufacturing injection and the serial number of manufacturing shall be entered in the designated column of the injection list.

d. The first injection shall be given to the left side of a horse's neck, the second the right side, and the third the left side. Hair shall be cut off around the part to be injected and complete disinfection of that part shall be conducted with alcohol.

e. Injectors and needles shall be completely disinfected by boiling without fail before using. A needle shall be used for one horse only.

f. Only those horses proved to be in normal health condition by examination can be injected.

(6) The target horse and injection certificate.

a. The horses to be injected are all those under 4 years old, those expected to be shipped out, those shipped in last and this years and those horses whose keepers want injection. (The horses over 5 years old shall be encouraged to be injected because there is a danger of out-break even in such horses.)

b. Those horses undergone basic immunity shall be given an injection certificate, and it shall be brought about with the horses to be shipped out during the period 1 June to the end of October.

c. Injection of vaccine cannot have the effect of prevention and remedy on the affected horses or those in incubation period.

B. Preventive measures.

(1) The general public shall be acquainted with the nature of this disease and knowledge for prevention.

(2) Encouragement of reporting.

Those horses which are stricken by fever of about 40 degrees, are of nervous phenomenon of sunstroke or heat-stroke, are in violent or gloomy condition, or are in abnormal conditions of appetite or motion shall be reported immediately to animal diseases prevention agents by keepers or veterinary surgeons who took charge of diagnosis. (Article 2, Domestic Animal Disease Prevention Law). The domestic animals other than horses which are suspected to be epidemic encephalitis shall be reported same as horses.

(3) Action to be taken at outbreak.

Isolation shall be completely conducted, and an off limit area with a scope of city, town or village shall be established. A gathering installation shall be suspended if circumstances demand.

(4) Diagnosis.

If diagnosis is encountered with any difficulties, any kinds of evidence which will be helpful for diagnosis shall be collected and sent to the Pref. Gov't for research.

(5) Disposition by slaughtering shall not be conducted primarily.

(6) Early detection and early treatment shall be conducted to make the damage minimum.

(7) The straws in stables shall not be scattered and shall be disinfected by fermentation.

(8) Complete extermination of blood-sucking insects shall be done inside and outside the stables affected and around the affected areas.

(9) Vaccine injection cannot bring about resistance elements into blood before at least two weeks passed after the second injection, namely it requires three weeks after the first injection to meet the purpose of prevention. So, if this disease breaks out before becoming immune, complete control of blood-sucking insects shall be conducted by spraying D.D.T.

(10) Emergency countermeasures shall be executed separately when circumstances demand.

Preventive Injection Program for
Epidemic Equine Encephalitis for 1950

Name of city, town or village	No. of horse to be injected	Date of injection			Remarks
		1st	2nd	3rd	
KAWACHI-GUN					
(1st Group)					
Yakushi-ji-mura	92	15 May	22 May	1 July	18 days in total
Meiji-mura	120	16 "	23 "	3 "	
Mizuhono-mura	119	17 "	24 "	4 "	
Hongo-mura	96	18 "	25 "	5 "	
Kaminokawa-machi	125	19 "	26 "	6 "	
Yoshida-mura	65	20 "	27 "	7 "	
Total	617				
(2nd Group)					
Yokokawa-mura	102	15 May	22 May	1 July	21 days in total
Hiraiishi-mura	83	16 "	23 "	3 "	
Suzumenomiya-mura	140	17 "	24 "	4 "	
Sugatagawa-mura	122	18 "	25 "	5 "	
Shiroyama-mura	55	19 "	26 "	6 "	
Kunimoto-mura	32	20 "	27 "	7 "	
Utsunomiya-shi	30	21 "	28 "	8 "	
Total	564				
(3rd Group)					
Tomiya-mura	12	15 May	23 May	1 July	24 days in total
Osawa-mura	36	16 "	24 "	3 "	
Shinoi-mura	21	17 "	25 "	4 "	
Toyosato-mura	33	18 "	26 "	5 "	
Tawara-mura	43	19 "	27 "	6 "	
Furusato-mura	39	20 "	28 "	7 "	
Haguro-mura	38	21 "	29 "	8 "	
Kinushima-mura	20	22 "	30 "	10 "	
Total	242				
Grand total	1,423				

KAMITSUGA-GUN

(1st Group)					
Ochiai-mura	76	15 May	23 May	1 July	21 days in total
Itaga-mura	35	16 "	24 "	3 "	
Kikusawa-mura	55	17 "	25 "	4 "	
Kita-Inukai-mura	65	26 "	3 June	5 "	
Kaso-mura	29	19 "	27 May	6 "	

Higashi-Oashi-mura	35	20 May	28 May	7 July
Kanuma-shi	30	22 "	29 "	8 "

Total	325
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(2nd Group)

Kita-Oashi-mura	60	15 May	23 May	1 July	21 days in total
Minami-Oshihara-mura	60	16 "	24 "	3 "	
Nishikata-mura	121	17 "	25 "	4 "	
Manago-mura	16	18 "	26 "	5 "	
Kiyosu-mura	34	19 "	27 "	6 "	
Awano-mura	22	20 "	28 "	7 "	
Namma-mura	25	22 "	29 "	8 "	

Total	368
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Grand total	693
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HAGA-GUN

(1st Group)

Moka-machi	65	15 May	25 May	1 July
Ouchi-mura	166	16 "	26 "	3 "
Naka-mura	110	17 "	27 "	4 "
Naganuma-mura	124	18 "	28 "	5 "
Kugeta-mura	28	19 "	29 "	6 "
Monobe-mura	110	20 "	30 "	7 "
Yamazaki-mura	100	21 "	31 "	8 "
Tano-mura	52	22 "	1 June	9 "
Mashiko-machi	40	23 "	2 "	10 "
Nanai-mura	41	24 "	3 "	11 "

Total	827
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(2nd Group)

Sakagawa-mura	60	15 May	25 May	1 July	30 days in total
Motegi-machi	30	16 "	26 "	3 "	
Nakagawa-mura	54	17 "	27 "	4 "	
Sudo-mura	67	18 "	28 "	5 "	
Kogai-mura	60	19 "	29 "	6 "	
Ichihane-mura	82	20 "	30 "	7 "	
Utagai-mura	55	21 "	31 "	8 "	
Minami-Takanosawa-mura	56	22 "	1 July	9 "	
Mizubashi-mura	60	23 "	2 "	10 "	
Kiyohara-mura	150	24 "	3 "	11 "	

Total	674
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Grand total	1,5 01
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SHIMOTSUGA-GUN

(1st Group)

Mibu-machi	77	15 May	23 May	1 July	27 days in total
Inaba-mura	110	16 "	24 "	3 "	
Mirami-Inukai-mura	99	17 "	25 "	4 "	
Sugata-mura	65	18 "	26 "	5 "	
Ishibashi-machi	41	19 "	27 "	6 "	
Kokubunji-mura	75	20 "	28 "	7 "	
Kawa-mura	45	22 "	29 "	8 "	
Total	510				

(2nd Group)

Minakawa-mura	60	15 May	24 May	1 July	27 days in total
Fukiage-mura	110	16 "	25 "	3 "	
Terao-mura	80	17 "	26 "	4 "	
Akazu-mura	40	18 "	27 "	5 "	
Ienaka-mura	70	19 "	28 "	6 "	
Omiya-mura	80	20 "	29 "	7 "	
Ko-mura	15	21 "	30 "	8 "	
Tochigi-shi	80	22 "	31 "	9 "	
Misaho-mura	51	23 "	1 June	10 "	
Total	586				

(3rd Group)

Mizushiro-mura	40	15 May	24 May	1 July	27 days in total
Heya-mura	45	16 "	25 "	3 "	
Akama-mura	13	17 "	26 "	4 "	
Mikano-mura	50	18 "	27 "	5 "	
Iwafune-mura	65	19 "	28 "	6 "	
Onodera-mura	46	20 "	29 "	7 "	
Tomiya-mura	56	21 "	30 "	8 "	
Shizuwa-mura	26	22 "	31 "	9 "	
Nami-mura	33	23 "	1 "	10 "	
Total	352				

(4th Group)

Kinu-mura	110	15 May	23 May	1 July	24 days in total
Oyama-machi	11	16 "	24 "	3 "	
Oya-mura	44	17 "	25 "	4 "	
Hozumi-mura	25	18 "	26 "	5 "	
Toyoda-mura	70	19 "	27 "	6 "	
Naka-mura	55	20 "	28 "	8 "	
Nogi-mura	24	21 "	29 "	8 "	
Sasakawa-mura	13	22 "	30 "	9 "	
Total	388				

SHIOYA-GUN

(1st Group)

Kita-akanesawa-mura	150	15 May	24 May	1 July	27 days in total
Akutsu-mura	80	16 "	25 "	3 "	
Ujiie-machi	96	17 "	26 "	4 "	
Niita-mura	100	18 "	27 "	5 "	
Kitsuregawa-machi	60	19 "	28 "	6 "	
Izumi-mura	140	20 "	29 "	7 "	
Yaite-machi	180	21 "	30 "	8 "	
Hokine-mura	142	22 "	31 "	9 "	
Shiobara-machi	30	23 "	1 June	10 "	
Total	918				

NASU-GUN

(1st Group)

Higashi-Nasuno-mura	655	17, 18 May	25, 26 May	4, 5 June	51 days in total
Kuroiso-machi	27	19 "	27 "	6 June	
Nabekake-mura	20	20, 21 May	28, 29 May	7, 8 June	
Ashino-mura	32	22 "	30 "	9 "	
Nasu-mura					
Oidawara	30	15 "	26 "	1 July	
Kurodawara	30	16 "	27 "	3 "	
Nigashi-muro	30	17 "	28 "	4 "	
Ikeda	40	18 "	29 "	5 "	
Hambo	40	20 "	31 "	6 "	
Shiku-nohi	30	22 "	2 June	7 "	
Muronoi	70	21 "	1 "	8 "	
Takabayashi-mura					
Kiwada-Shinden	60	22 "	29 May	1 July	
Annawa	50	23 "	31 "	2 "	
Aoki	40	25 "	1 June	3 "	
Minowa	50	26 "	2 "	4 "	

(2nd Group)

Otaura-machi	35	19 May	27 June	6 July	21 days in total
Chimazono-mura	50	17 May	25 "	4 "	
Sakayama-machi	35	15 "	23 "	1 "	
Kamiogawa-mura	56	16 "	24 "	3 "	
Nosaki-mura	25	18 "	26 "	5 "	
Fishinagawa-machi	40	15 "	22 May	1 "	
Kariono-mura	32	16 "	24 "	3 "	

(3rd Group)

Kaneda-mura	85	22, 23 May	29, 30 May	1 June	8 days in total
Iono-mura	32	22 "	29 "	2 "	

(4th Group)					
Yuzukami-mura	65	6, 21	28, 29	3 June	13 days in total
		May	May		
Ogawa-machi	40	22 "	29 "	4 "	
Shimogawa-mura	80	19, 20	25, 26	5 "	
		May	May		
(5th Group)					
Mukada-mura	20	15 May	22 May	1 July	12 days in total
Sakai-mura	25	16 "	23 "	3 "	
Arakawa-mura	80	17, 18	24, 25	4, 5	
		May	May	July	
Grand total					

ANBOKU

(1st Group)					
Tanuma-machi	65	15 May	22 May	1 July	18 days in total
Sano-shi	150	16, 17	23, 24	3 "	
		May	May		
Tomita-mura	110	18 "	25 "	4 "	
Aguma-mura	37	19 "	26 "	5 "	
Himuro-mura	20	20 "	27 "	6 "	
Total	402				
(2nd Group)					
Ashikaga-shi	31	15 May	25 May	1 July	27 days in total
Keno-mura	35	16 "	26 "	3 "	
Kuno-mura	20	17 "	27 "	4 "	
Tsukuba-mura	30	18 "	28 "	5 "	
Yanada-mura	61	19 "	29 "	6 "	
Mikuriya-machi	43	20 "	30 "	7 "	
Yanabe-machi	41	22 "	31 "	8 "	
Mis-mura	21	23 "	1 June	10 "	
Yamano-mura	42	24 "	2 "	11 "	
Total	324				
Grand total	726				

8,555 horses in total.

Areas of injection: 132 cities, towns and villages

No. of group: 19

VETERINARY INFORMATION SHEET

Tochigi Pref. Livestock Sect.

For April 1950

Period: 1 to 30 April 1950

A. TUBERCULOSIS:

1. Number of animals tested during the period:
None
2. Testing was accomplished in the following areas:
None
3. Number of positives and/or suspect cases and areas:
None
4. Number of positive reactors sent to slaughter houses:
None
5. Number of animals remaining to be tested:
None
6. Remarks concerning the "T.B." control program:
None

B. BRUCELLOSIS:

1. Number of animals (bovine) tested during the period:

None

2. Testing was accomplished in the following areas:

None applicable

3. Number of positives and/or suspect cases and areas:

None applicable

4. Number of suspects or positives isolated:

None applicable

5. In case of positive or suspect animals, what general sanitary program was effected with regard to milk or milk products:

None applicable

6. Number of goats tested for Brucellosis:

None

7. Number of reactors among goats:

None

8. Number of animals remaining to be tested:

None

9. Remarks in detail regarding the Brucellosis program:

None

C. SWINE DISEASES:

1. Number of swine vaccinated for the following:

a. Swine cholera 3,359 Carried out at 5 cities,
16 towns and 46 villages.

b. Swine erysipelas: None

2. In what areas were swine diseases most prevalent:

None

3. Number of fatalities autopsied in each disease diagnosed:

None

4. Write a brief report of autopsy finding on "1" one of each disease diagnosed:

None applicable

D. EQUINE DISEASES:

1. Number of horses vaccinated for the following:

Infectious equine encephalitis: None

2. Number of horses remaining to be vaccinated for equine encephalitis:

None

3. What is the age limit of animal vaccinated for equine encephalitis:

Up to 4 years old

4. Area of disease outbreaks in equine disease:

Epidemic anemia: Kawachi-gun
 Hongo-mura
 Mizuho-mura
Shimotsuga-gun
 Tomiyama-mura
 Minagawa-mura
 Omiya-mura

5. Number of cases diagnosed for each case:

Name of disease	Sanitary Laboratory	Livestock Health Center	Clinic	Total
Epidemic Anemia	5	-	-	5

6. Areas in which cases occurred and number in each:

Epidemic anemia: Kawachi-gun ----- 2
 Shimotsuga-gun ---- 5
 Total 7

7. Attach autopsy report on one of each disease autopsied:

See the attached

8. Brief remarks on the status of equine disease program and suggestions:

As for equine encephalitis, we are going to carry out preventive injection from 15 May

E. BOVINE DISEASES:

1. Number of cattle vaccinated for:

None applicable

2. Number of cases of bovine diseases in each case
(exclude T.B. and Brucellosis):

None applicable

3. Area of occurrence:

None applicable

4. Number of animal examined for Trichomonas:

None

5. Number and disposition of Trichomonas cases:

None applicable

6. Remarks regarding the treatment and control of bovine
disease:

None

F. SHEEP AND GOAT DISEASES:

1. Number of cases and type of diseases diagnosed for each animal:

None applicable

2. What control programs are being conducted in there disease:

None applicable

3. Number of disease fatalities authorized in each incidence of goat and sheep diseases:

None

G. FOWL DISEASE

1. Number of pullorum tests conducted on fowl:

None

2. Number of cases of pullorum disease diagnosed:

None

3. List any other disease diagnosed:

None applicable

4. What is the current fowl disease program?

None applicable

5. Remarks as to problem in fowl disease control:

None applicable

H. GENERAL INFORMATION:

1. What conferences were held in the Livestock Veterinary Section?:
 - a. Regular livestock industry liaison conference
 - b. Conference on Epidemic prevention committeemen of Domestic Animals for designated veterinarians.
 - c. Domestic animals sanitation conference.
2. What education programs were conducted during the month?

None applicable

3. What is the current animal census?:

a. Milk Cow -----	2,681
b. Work and meat Cow -----	20,965
c. Horse -----	50,007
d. Swine -----	10,257
e. Sheep -----	3,468
f. Goat -----	8,500
g. Rabbit for hair -----	8,479
Rabbit for fur -----	55,590
h. Fowl -----	425,438
i. Ducks -----	1,815
j. Geese -----	54
k. Turkeys -----	79
l. Bee -----	497 groups

4. Breeding stations in operation:

- a. What work is being conducted at breeding station:

- (a) Livestock kept in the station.

Milking Cow -----	13
Horse -----	9
Swine -----	26
Sheep -----	38
Goat -----	7
Rabbit -----	60
Fowl -----	508
Duck -----	501

- b. What problems are encountered?

We are now conducting the following works in order to expand our projects.

- (a) Construction of breeding house

 Chicken rearing house: 33 tsubo (completed)
 Sheep & goat house: 99 tsubo (under construction)

5. Were there any cases of Anthrax, Blacking or Food and Mouth disease in the prefecture during this period?:

None applicable

6. Discuss the monthly activity of the "Animal Health Centers in the prefecture:

The actual result of Tochigi Pref. Livestock Hygenic Laboratory and each Domestic Animal Health Center at Utsunomiya, Kawanishi and Nozaki during the period of April is as follows. And besides, on 28 April, we conducted an opening ceremony of Kanuma Domestic Animal Health Center at Kanumashi and opened its business.

Tested:	3
Diagnosed:	27
Medical treatment:	31
Consulted:	23
Others:	7

Remarks: Swine cholera preventive injection which was carried out during April is not included therein.

7. Discuss any other pertinent data relevant to the domestic animal disease control program:

With the season of prevalence of epidemic disease, the prefectural authorities have completed the swine cholera preventive injection, and now are planning to carry out the equine encephalitis preventive injection. In view of wiping out blood-sucker insects, thoroughly, which are the origin of epidemic disease, we are going to distribute D.D.T. powder to each City, Town & Village to enforce disinfection of stable-houses as well as extermination of blood-sucker insects.

Yasuo Shimada

YASUO SHIMADA
Chief, Livestock Section,
Tochigi Prefecture

AUTOPSY REPORT

Officials engaged in Autopsy: KOBAYASHI Yasu
Non-commissioned official

Name of Office: Livestock Section, Economic Dept., Toonigi Pref.

Kind of Animal: Horse, Age: 11, Sex: Female,
Use: Cultivation.

Date taken ill: 12 Feb. '50 Date died: 4 Apr. '50

Date autopsied: 4 Apr. '50 Place: Takebayashi Chemical
Industrial Works

Condition of disease:

Pulse: 60; temperature 38.2 degree; number of blood-corpucle 3,000,000; sedimation rate of red blood-corpucle (30 minutes, 15 minutes) 102.

Mucous membranes were greatly anemic and inside of mucous membrane of virgina, blood spots were seen. He had a little appetite and was fond of eating green grass. Since around 28 March, appeared swollen condition and could not walk due to the difficulty of standing up.

According to the diagnosis of Kikuchi Non-commissioned official, number of blood-corpucle was 3,150,000 (Norma test), 2,800,000 (Tijokke test tube) and witnessed swelling on the front chest and neck. Detection of siderocyten was at the rate of 2 or 3 in two visual field.

Name of disease: Equine Epidemic Anemia..

Autopsy findings:

1. Test of appearance.

Nutricious condition was bad, and the hair being rough and we found dirty yellow-white collar in the part of visible mucous membrane, gum and mouth.

2. Diagnosis of internal parts.

In the hypodermic connective tissue, there was bleeding in dotted lines, and besides in the inner thigh, infiltration on all surphase as well as edema was recognized. The mascular color represented dark brown and also in the diaphragm, we saw breeding of same type. Stomac and intestine became anemic and there was two traces of bleeding on them.

Hepatic was swollen as thick as 2 times representing dark, red and purple color, lacking of elasticity and

very easy to exfoliate the covering membrane.
The top of both right and left lobes clearly showed haemo siderosis and in the part of Hilus hepatic lymphatic gland was swollen and recognized cloudy bleeding.
Spleen was swollen to as large as about 2.5 times and the thickness was about 6 m.m.
Both ends projected in the shape of chestnuts, the surface of which bled as large as thumb and numerous petechias were seen in 3 places. There was a scar of 13 m.m. in its length in the top of spleen.
Marrow quality was softened showing the state of mud.
Lymphatic gland of Hilus Apleen was swollen as large as thumb with bleeding.
Genital organ. Macular bleeding was in the mocus membrane of virgins and the color of other parts showed paleness.
Lung. Both lungs represented lobar pneumonia and in the state of emphysema.
Heart was boiled-meat color and lost elasticity. Around sulcus coronaris Arterie and lengthwise sulcus was bleeding. In the internal part of lining membrane of both ventricles was bleeding and in the left ventricle contained a large quantity of clot of blood.

AUTOPSY REPORT

Officials engaged in Autopsy: KOBAYASHI Yasu
Non-commissioned official

Name of Office: Livestock Section, Economic Dept.

Kind of Animal: Horse, Age 8, Sex: Gelding
Use: horse-race.

Date taken ill: 31 Mar. '50 Date died: 6 Apr. '50

Date autopsied: 6 Apr. '50 Place: Kaminokawa-machi
Chemical Industrial Works.

Condition of disease:

The training was started since around 30 March in order to appear in the 2nd Utsunomiya Horse Race, but as there was no energy and appetite asked a veterinarian for vaccination of "Yosalin". After diagnosing, it was decided as equine epidemic anemia. No energy and no appetite. The hair lost gloss. The tail power was almost none.

Buccal cavity mucous membrane and dental root was dark yellowish white color. Pulpitation was visible, the second sound was being divided. Pulse 95 (irregularity, disorder), respiration 30; temperature 38.6° C.

Number of red blood-corpusele was 1,300,000.
Siderocyten was detected as positivity.

Name of disease: Epidemic Equine Anemia (Chronic)

Autopsy findings:

1. Test for outward appearance.

The corps was lay dead, the left side being underneath. The status of nourishment was not good. The hair lost gloss and swelling was seen in various places. The visible mucous membrane was pale color.

2. Internal test.

Blood was as scarce as about 1/5 compared with healthy horses, showing dark, red brown color, not being coagulated. The muscular color was almost faded away, showing no sign of flesh color. The subcutaneous of abdomen was dirty yellowish color, having colloid infiltration and blood infiltration. Stomach and intestine became excessive anemia and in the stomach and color, we recognized trace of bleeding. In the portion of color and cecum no gas was produced, and besides in the rectum contained feces constipated.

- Hepatic Elasticity was utterly lost and swollen as large as about 3 times, and all surphase being snowed naemosiderosis.
It was very easy to take off the covering membrane, secreting bile (muddy state) and contained much quantity of dark red brown colored blood in its cutting. We could count hepatic lobe one by one. The Hilus hepatic lymphatic gland was swollen as large as thumb with dark red color, and in its cutting contained dark red brown colored blood which was cloudy.
- Spleen Lost elasticity and we could easily demolish the shape by hands. It was very easy to foliate the covering membrane which was swollen as large as about 2 times. The color of same was dirty blue color and its surface roused as the shape of chestnut. Generally congested and blood was secreting from its cutting. The marrow quality was softened just like mud and the Hilus spleen lymphatic gland was cloudy swelling as well as bleeding.
- Lung Longtitude diameter about 50 c.m., the thickest portion 12 c.m. and the color lost its original color being faded to pink white color. We clearly recognized lung swelling and in the trachea contained much quantity of serum. The right lung showed the sign of Pneumonia.
- Heart Within pericarditis about 2 sho of serum was collected. Myocardium realized of faded color only beind boiled-meat color. Its size was swollen as large as the head of adult and the surface of it all bleeding. In the right and left ventricles collected dark red color of blood and under the pericadium there was bleeding all over them.

AUTOPSY REPORT

Official engaged in Autopsy: KOBAYASHI Yasu
Non-commissioned official

Name of Office: Livestock Section,
Economical Dept. Tohigi Pref.

Kind of Animal: Horse, Age: 3, Sex: Gelding,
Use: Cultivation.

Date taken ill: 2 Apr. '50 Date died: 20 Mar. '50

Date autopsied: 14 Apr. '50 Place: Fukiage Chemical Industrial Works.

Condition of disease:

On 25 March, after working, energy and appetite had been decreased. On 27 got fever and after that continued fever of 40-42°. The hair lost gloss and became lean.

Visible mucous brane showed pale white color. In the front chest, swelling was roused. Pulse 52, respiration 26, temperature 42.2 degree. Heart sound was weak and 2nd sound being duplicated. Scarcely heard the pulse of vein.

Number of blood-corpucle was 3,500,000 (Tiskke), 4,800,000 (by Thoma-Zeiss), Siderocyten +

Name of disease: Epidemic Equine Anemia (acute)

Autopsy findings:

1. Test for outward appearance.
The hair lost gloss. Nutrition condition was not good. In the portion of abdomen and chest, there was a little swelling. Optical mucous brane was slightly congested.

2. Internal test.

Hepatic. Lost elasticity, being swollen and showed Haemo-siderosis.
Hilus hepatic lymphatic gland swollen and congested with red color. We can clearly distinguished Hepatic lobule in the part of vertical section.

Spleen. Lacked elasticity and the surface of it had the trace of red brown colored bleeding.
The size was as large as 15 times with the bleeding of chest-nuts size. Tough it was not yet roused as chest-nut size, but the lymphatic gland was swollen as large as thumb and with bleeding as well.

Heart. In the part of ventricle, we recognized glue state infiltration, and around sulcus coronaris Arteria having blood infiltration, and no other change.

AUTOPSY REPORT

Officials engaged in Autopsy: NAKANE Yoshio

Name of Office: Tochigi Pref. Livestock Sanitation
Laboratory.

Kind of Animal: Horse (Heavy half-bred)
Age: 4, Sex: Gelding,
Use: Cultivation

Date taken ill: 11 April 1950 Date died:

Date autopsied: 14 April 1950 Place: Mibu Chemical
Industrial Works

Condition of disease:

No appetite since the beginning of April.

As it was difficult to walk, consulted Narabe
Veterinarian.

Optical mucous membrane was dark yellowish white color.
Temperature 39.9° C, respiration 72, 2nd sound being
duplicated.

Name of disease: Epidemic Equine Anemia

Test for outward appearance.

This horse would lie down right side being
underneath. Nutricious condition was medium.
The hair lost gloss.
Mucous membrane was pale white color.
The scrotum was swollen.

Internal test

There was much quantity of effusion liquid in abdomen,
which was half transparent and yellowish white color.
Peritoneum was swollen with attached materials in the
shape of cord or wool.
The top of Blind gut and a portion of the left large
colon adhesioned to peritoneum.

Spleen.

A little increased in its breadth and recognized dotted
bleeding around spleen.
Lymphatic gland between spleen was congested and swollen.

Hepatic

Color faded away. A little decreased.
Recognized boiled meat. Wool was glued to viscus
Hilus hepatic lymphatic gland was swollen and congested.

Chest organs

Heart Color of myocardium faded, showing boiled-meat color.
Around the tendon of ventricle, dotted lines of blood were seen.

Lung Around lungs, there was a portion of dark red colored induration change.
In carrying out incision, we found out *Dictyocaulus arnfieldi* therein.

Name of pathological diagnosis:

- (1) Epidemic anemia
- (2) Peritonitis
- (3) *Dictyocaulus arnfieldi* disease

List No. 1.

	Special milk	Milk other than special milk			Goatmilk
		More than 5 milking cows	Others	Total	
Nos. of milking place.		28	578	606	
Nos. of milking cow		201	752	953	
Quantity of milk in a month (L)		41183	132062	173245	
Use	Treated (L) for drinking	37956	86089	124045	
	For working (L)	795	36430	37225	
	Others (L)	2432	9543	11975	
Res- ult of exa- mi- na- ti- tion	Nos. of the examined	63	54	117	
	Nos. of time of exam.	63	54	117	
	Nos. of time of exam. found germs more than germ exam. regulation	3	6	9	
	Nos. of time of exam. found fats less than fat exam. regulation	8	8	8	
	Remarks				

List No. 3 Milk Selling-contractor

Nos. of Contractor 73

Average quantity of milk sold by one contractor a day 57^l

Contractor without cooling facilities 22

Bad shop-building

List No. 2.

		Special-milk	Milk other than special milk
Nos. of milk creating place			62
Quantity	Raw milk		
	Milk sterilized in high temperature (L)		
	Milk sterilized in low temperature (L)		124045
	Total (L)		124045
	Use For drinking (L)		124045
	Use For working		37225
Result of examination	Nos. of time of exam.		118
	Nos of time exam. found germs more than germ exam. regulation		2
	Nos. of time exam. found fat less than fat exam. regulation		9
Remarks			

List No. 4 Dairy Products Mfg. Place

Nos. of place	
Powder milk	
Refined powder milk	
2nd refined powder milk	
Condensed milk	
Condensed milk without butter	
Butter	
Cheese	

SUBJECT: Report on Marking of Milk Treating Place.

Nos. of place examined	39	(Nos. of Milk Treating Place	62)
More than 85 marks	9			
More than 75	21			
More than 60	7			
More than 50				
More than 49	2			

Remarks :

SUBJECT: Report on Marking of Milking Place

Nos. of place examined	94	(Nos. of Milking Place	570)
		<u>Cattle-keeper</u>	<u>Dairy farmer</u>	
More than 85 marks		7	1	
More than 75		13	1	
More than 60		7	48	
More than 50			12	
Less than 49			5	

Remarks :

REPORT FOR MONTH OF: October 1949

FOR PREFECTURE OF Tochigi

	Total Reported Number of New Cases of Disease of All Animals in Each Geographic Subdivision											Number of Animals Slaughtered			Carcasses Condemned			ANIMAL POPULATION ENTIRE PREFECTURE								
	Strangles	Anthrax	Blackleg	Foot & Mouth Disease	Brucellosis	Glanders	Scabies	Swine Plague	Swine erysipelas	Texas Fever	Fowl Pest	White Diarrhea of Chickens	Rabies	Swine Cholera	Infections anemia	Cattle	Horses	Swine	Cattle	Horses	Swine	Cattle	Horses	Swine	Poultry	
Kawachigun															23	36	355									
Utsunomiyagun															73	60	366									
Asogun															9	8	90									
Hagagun																2	43									
Utsunomiyagun															15		74	11								
Kanitsugagun															11	45	127									
Nosugun															7	6	253									
Shioyagun															1	1	9									
Total															139	153	1317	11								

Following is the report on the above subject for October

1. Nos. of slaughtered :

Cattle 134
 Calf 5
 Sheep
 Goat
 Pig 1317
 Horse 158

Remarks:

The figures include the number of slaughtered urgently.

Cattle 5
 Calf 1
 Pig 3
 Horse 6

2. Price of Meat.

		Whole sale price (per 1 kg)	Retail price (per 100 g)
Cattle	1st class	400 yen	45 yen
	2nd class		
	3rd class		
	4th class		
Pig	1st class	420 yen	48 yen
	2nd class		
	3rd class		
	4th class		
Horse	1st class	200 yen	24 yen
	2nd class		
	3rd class		

Call 5
 Sheep
 Goat
 Pig 1317
 Horse 158

of slaughtered urgently.
 Cattle 5
 Calf 1
 Pig 3
 Horse 6

2. Price of Meat.

		Whole sale price (per 1 kg)	Retail price (per 100 g)
Cattle	1st class	400 yen	45 yen
	2nd class		
	3rd class		
	4th class		
Pig	1st class	420 yen	48 yen
	2nd class		
	3rd class		
	4th class		
Horse	1st class	200 yen	24 yen
	2nd class		
	3rd class		
	4th class		

Remarks:

1. Wholesale price is the one with bone.
2. Price in this list is the market price in the place where this office is located.
3. Fillet sirloin and hashed meat are excluded from the above classes.

MONTHLY REPORT ON SLAUGHTERING

TOCHIGI

Name of Slaughter house	Cattle			Calf			Sheep			Goat		
	A	B	C	A	B	C	A	B	C	A	B	C
Utsunomiya city	22	6690	3349	1	30	20						
Ashikaga "	14	3720	1800	1	80	40						
Sano "	9	1927	815									
Tochigi "	69	18869	9205									
Oyama town	4	1387	733									
Moka "												
Motegi "												
Nishinasuno "	4	1056	509									
Yate "	1	180	131									
Kanuma "	1	225	93									
Kanuma City	8	1911	1024	2	74	44						
Imaichi Town												
Karasuyama "	1	400	200	1	180	90						
Ashio "	1	260	128									
Total	134	36625	19987	5	364	194						

Remarks: A: Nos. B: weight Total (Kg) C: weight of meat with

SLAUGHTERING

TOCHGI PREF.

FOR October

G	Sheep			Goat			Pig			Horse		
	A	B	C	A	B	C	A	B	C	A	B	C
20							355	24717	14188	36	9455	4958
40							74	4568	2484			
							90	5164	2565	8	1177	616
							252	15692	8152	58	15172	7615
							114	7359	4126	2	487	267
							30	2076	1250	2	637	318
							13	938	524			
							153	8270	5038	3	679	316
							9	475	284	1	262	131
							49	2715	1666	2	562	131
44							99	6195	3704	31	6885	3733
							24	1604	965	11	2247	1124
90							51	3834	2300	1	400	200
							4	240	128	3	1060	600
194							1317	83847	47374	158	39041	20009

Total (Kg)

C : weight of meat with bone.