

STATE OF MINNESOTA
DEPARTMENT OF PUBLIC WELFARE
MEDICAL SERVICES DIVISION

REPORT OF PERSONAL INSPECTION

(STATE SCHOOLS FOR THE MENTALLY DEFICIENT)

2

State

Minnesota

Name of School

The Cambridge School and Hospital

Surveyed by

Dr. H. L. Paine

Date

November 7, 8, 9, and 10, 1954.

1. GENERAL STATEMENT

State of Minnesota

A. Name of school The Cambridge School and Hospital

1. Location: Town **Cambridge** (pop. 2000) County **Isanti**
P.O. **Cambridge**
2. Access Private car
3. Surroundings The **Rum River** circles around a portion of the
School. There is also timber land (scrub) and swamps.
4. Acreage (owned **359** Under cultivation **150** Character **Poor sandy**.
rented **22 acres**
5. Year established **1925** Year opened Present location since
6. Former names of institution
Colony for Epileptics
and was under the Minnesota School and Colony.
7. Classes of patients received (disorders, ages, convulsives)
Most are convulsives from six years upwards.

8. District from which patients are received
The whole state.
9. Fiscal year ends June 30
10. Rated capacity 1108
11. Method of support State
12. Reports to Department of Public Welfare
13. Officially inspected by
Dr. H. L. Paine
14. Census:
- | Male | Female | Total |
|------|--------|-------|
| 511 | | 1098 |
15. Convulsives:
(if any) Practically all.
16. Annual admissions: 55
17. Waiting list: Yes. Between 100 and 150, 40 considered emergency.

II. PHYSICAL CONDITIONS

A. General description

1. Lawns, grounds, exercise yards, groves, etc. Acreage of campus

30

2. Arrangement of buildings (rough sketch)

3. Original buildings (construction)

One Cottage 1.

4. Additions (construction)

5. General state of repair

Good

6. Lighting

All electricity is made. It is A.C.

The lighting on wards is adequate.

Several buildings in the back have not got good ground lighting.

7. Heating

Adequate

8. Ventilation

Windows in present buildings except bakery and laundry which have forced ventilation.

9. Water supply

2 Driven wells, 180 feet deep.

Water is hard.

Softener on hot water.

10. Sewage disposal

Sewage is dumped into the Rara River.

11. Fire protection (general and ward)

Volunteer organization in town

Handcart at institution.

Only 2 inches to cottages

B. Specific description: arrangements, condition, window guards, floors, cleanliness, etc. (See also supplementary ward sheets attached.)

See ward sheets.

1. Day rooms

Are not adequate where low grade children are who do not get out of doors as much as others.

2. Porches
Yes on most of the wards.
Two wards in administration building do not have porches.
3. Dormitories (space per patient)
46 feet.
4. Single rooms (number, floor space, etc.)
Very few single rooms.
5. Bathrooms and water closets
Adequate
6. Furnishings
Inadequate.
7. Fly screening (especially of kitchens, garbage, dining rooms,
sick wards)
8. Storerooms
Scattered. No separate building.
Stores are in basement rooms.
9. Ice houses and refrigeration
No ice house. Refrigeration is not adequate - one sharp cold small
unit. A refrigeration should be much larger.
10. Power house
Adequate for heating.
Border line for electricity.
When new buildings come into operation there may be difficulty.

11. Laundry
Adequate for present set up.
12. Shops
Inadequate.
Carpenter shop in basement of Cottage 2.
Paint shops are unheated buildings, so basement of Cottage 7 is used for painting.
13. Chapel and assembly hall
Auditorium will seat 600 or 700.
They could use a gymnasium.
14. Morgue
None
15. Other buildings
2 - one story buildings to house a 150 patients - men.
1 - Infirmary and children's to house 100.
16. Farm buildings
17. Crops raised
Vegetables.
Small amount of forage.
Corn for silage.
18. Domestic animals
35 cows.
150 hogs.
6 horses.
600 chickens.

III. GOVERNING BOARD AND OFFICERS

A. Board of Managers or Trustees

1. Name	2. Residence	3. Year appointed	4. Year retires
None			

B. Chief Executive Officer

1. Name **R.J. Gully, M.D.** 2. Official title **Superintendent**
3. Year of birth **1902** 4. Year appointed **1944** 5. Compensation **\$10,500.00 Annually**
6. Method of appointment
By Commissioner of Public Welfare.
7. Maintenance or allowances
Deducted from salary.
8. Education

Doctor of Medicine.

9. Previous hospital, professional, and executive experience

**Senior physician St. Peter State Hospital, about 8 years.
Assistant Superintendent, Cambridge State School & Hospital,
6 years.**

10. Teaching and clinical appointments
None

11. Medical Societies: AMA AAMD APA AOA AN SMS CMS etc.

(Omit if biography is on file.)

C. Consulting Medical Staff 1. How appointed

2. Name	3. Position	4. Year appointed	5. Compensation or allowances
<u>Dr. F. P. Wipperfmann</u>	<u>Ophthalmologist</u>	<u>Yearly Contract</u>	<u>\$ 75.00 per visit</u>
<u>Dr. Ellis Ellison</u>	<u>Ear, Nose & Throat</u>	<u>Contract</u>	<u>50.00 per visit</u>
<u>Dr. Carl Caspers</u>	<u>Orthopaedist</u>	<u>Contract</u>	<u>50.00 per visit</u>
<u>Dr. William Deilitz</u>	<u>Reading E.E.G.'s</u>	<u>Contract</u>	<u>50.00 per visit</u>
<u>Dr. Richard Debbar</u>	<u>Surgeon</u>	<u>Contract</u>	<u>100.00 per visit</u>
<u>Dr. Elmer M. Hill</u>	<u>Dermatologist</u>	<u>Contract</u>	<u>50.00 per visit</u>
<u>Dr. Franz Halberg</u>	<u>Research Consultant</u>	<u>Contract</u>	<u>50.00 per visit</u>

D. Resident Medical Staff

[illegible]

3. Staff meetings: (a) Frequency (b) Hours
(c) Conducted by
Once a week 1 to 2 hours.
Medical Staff.

4. Case study (methods pursued, blanks used, routine examinations, history taking, etc.) Use reverse of sheet if necessary.
History furnished by Welfare Board Social Worker, physical examinations completed by physician which included neurological examination, routine x-ray examinations of chest, laboratory work, such as nose & throat cultures, blood Wasserman, Mantoux tests are done routinely on all newly admitted cases.
Frequency and type of notes

Instances of special interest are noted in patients file.

Frequency of re-examination

- (a) Psychiatric- Patients are kept constantly under supervision of physicians, through daily rounds. Examinations are conducted when thought indicates.
(b) Psychological
Usually on admission and as requested by medical staff.
(c) Physical
On admission and as found indicated during confinement.

5. Pathological and laboratory work

- (a) In charge of expert?
Medical Technologist
(b) What examinations equipped to make?
Blood examinations, such as counts, sugars, urinalysis, gastric analysis, liver function tests, metabolic rates.

6. Autopsies (number, made by whom, ratio to deaths)
Autopsies are rarely performed, but may be performed by any member of the medical staff.

7. Number of deaths last fiscal year: Male Female Total
11 9 20

Unusual causes of death:

None

8. Medical library and periodicals: In whose charge?
Yes, about 200 volumes
About 10 Journals. Institution Librarian
(Position vacant)
9. Relations with similar institutions
No direct relations.
10. Relations with general hospitals, practitioners, etc.
Surgical services and medical services are extended by Rochester State Hospital, Ancker State Hospital, and the University Hospital.
11. Use of clinical material for medical instruction
A few cases were transferred to the University for brain surgery.
12. Research; are productive projects under way?
This is under direction of Research Director Dr. Franz Halberg.
The Adrenal Cortical Steroids are being studied by the aid of a U.S.P. Research Grant and a Research Grant from the State of Minnesota.
13. Training for undergraduates
None

B. Medical specialties

1. Roentgenology, equipment and operation
None
2. Ophthalmology
Consultant
3. Laryngology and otology
Consultant
4. Neurology (cases available, interest)
None
5. Surgery
Consultant

6. Acute sick (provision for, proportion of patient population,
etc.)
He can take care of about 60, which is 8%, in the hospital wards.
7. Contagious diseases (ditto)
A few separation rooms in hospital wards.
8. Tuberculosis (ditto)
These cases are transferred to the Anoka State Hospital
for treatment.
9. Syphilis (ditto)
No special Provisions. Cases very rare.
10. Orthopedics
Consultant
11. Physiotherapy
None

C. Preventive medicine

1. Smallpox

All patients vaccinated routinely.

2. Typhoid fever

None - Vitals done routinely.

3. Diphtheria

Nose & Throat Cultures done routinely.

4. Scarlet fever

None

5. Is milk pasteurized and properly handled?

Yes

6. Who is responsible for sanitation?

Clinical Director.

D. Regulations regarding investigation of accidents and injuries

All accidents and injuries are reported to the ward physician.

E. Dentistry

1. Resident or attending dentist
Resident - full time.
2. If resident, hours If attending, how often
40 hours a week.
3. Number of patients treated last year
About 1100.
4. Equipment
Adequate, including x-ray
5. Procedures
Extraction, prophylactics, fillings, dentures, bridges, and crowns.

V. PSYCHOLOGICAL DEPARTMENT

1. Director (a) Name Vacant Clinical Psychologist
(b) Qualifications and experience
2. Number of assistants and qualifications (juniors and students)
None
3. Laboratory (size, location, light, ventilation, etc.)
Administration Building, 18' x 20', good ventilation (windows),
good artificial lighting. (Office space)
4. Equipment (testing tables, seating for younger and older
subjects one way observation screens for teaching)
Nearly Adequate and good.
5. Test materials
(a) Intelligence Tests
Language tests of intelligence
Nonlanguage " " "
Performance " " "
(b) Educational tests
Reading tests - Some of the tests below are given by the
School principal and Elementary Teachers.
Spelling tests
Arithmetic tests
Others

(c) Vocational training tests

Aptitude tests (mechanical aptitude, etc.)

Interest blanks

(d) Sensory tests (color vision, pressure discrimination, etc.)
visual acuity, audiometer

(e) Other tests (personality, attitude, etc.)

6. Test instruments and apparatus

(a) Motor ability (dynamometers, etc.)

(b) Tests of handedness, eyedness, etc.

(c) Apparatus (galvanometers and other electrical equipment,
electroencephalogram)

7. Form of psychological report - types of recommendations

8. Research (published and in progress)

VI. DIETETICS

(1) Organization of department
Supervised by a Dietitian II.

(2) Number of kitchens	Equipment
One	Good

(3) Where are special diets prepared
Main kitchen and hospital serving rooms.

- (4) Number of dining rooms
13
Type
Family style and cafeteria.
Tables
Small four seat tables and larger eight seat tables.
Tableware
Plastic dishes and stainless steel flatware.
- (5) Inspection of food service, by whom

Dietitian II, Grad. Nurse IV, and Psych. Aid IV, and Ward Physician.
- (6) Observations (style of food, methods of handling, condition when served, choice of items, second helpings, etc.)
Steam and oven cooked food, handled by food carts and air volds, served in fairly good condition and second helpings are permitted.
- (7) Feeding the helpless
Carried on by inmate and paid help.
- (8) Are patients trained in cafeteria service, restaurant service, family service?

Cafeteria service and family service.
- (9) Tray service
In the hospital ward only.
- (10) Weighing patients, when done
Monthly.
- (11) Garbage, disposition
Refrigerated and sold.

VII. RECEPTION SERVICE

A. Where housed Hospital Department of Administration Building.

Number of beds for new admissions and hospital patients.	Male	Female	Total
	25	25	50

B. Organization

1. Medical - Patients cared for by the physician who attends them in their cottage. Other physicians on staff also assist and consult.
2. Number and grades of nurses and attendants in this service
1 Grad. Nurse IV, 4 Grad. Nurse II, 1 Grad. Nurse I, 11 Psych. Aid I
3. Average daily census of this service
About 40
4. Duration of stay of patients in this service
From a few days to several months.

C. Description of method of admitting new patients.

Working in conjunction with County Welfare Boards and Central Office patients are admitted in order of emergencies and waiting list.

D. Arrangements for medical and psychological examinations

All patients are examined before admission by social service in the county and again following admission.

E. Classification, how made and when

Following admission patient is placed in reception center and they are classified and assigned to the ward where thought best placement.

VIII. EMPLOYEES

A. Department heads

1. Number	2. Title	3. Department	4. Salary
1	Executive II	Bus. Mgr.	\$60.00 - \$10.00
1	Chief Eng.	Engineering	\$90.00 - \$40.00
1	Bldg. Foreman II	Maintenance	\$60.00 - \$10.00
1	Dietitian II	Dietitia	\$60.00 - \$10.00
1	Farmer III	Farm	\$90.00 - \$30.00
1	Clinical	Medical	\$90.00 - \$70.00
B. <u>Trained nurses</u> 1	Grad. Nurse IV	Hospital & Ward	\$90.00 - \$40.00
1	Psych. Aid IV	Ward	\$10.00 - \$50.00

1. Number	2. Where detailed	3. Salary
4	Hospital Ward	\$90.00 - \$31.00
1	Hospital Ward	\$60.00 - \$00.00
1	Nurse Instructor	\$50.00 - \$00.00

C. Attendants

1. Number	2. Organized training	3. Salary
95 (Aid I)	Nurse Instructor	\$01.00 - \$31.00
21 (Aid II)	Nurse Instructor	\$31.00 - \$61.00
3 (Aid III)	Nurse Instructor	\$80.00 - \$20.00

4. Examinations when hired

Limited physical examination
following employment.

5. Care when sick

Institution medical staff is
permitted to care for employees
although employee has a free
choice of physicians.

D. Cottage mothers, matrons, etc.

None

E. Supervisors

1 Grad. Nurse IV
1 Psychiatric Aid IV
3 Psychiatric Aid III

F. Other employees

1. Number
110

2. Type of work
Office, Medical,
School, Recreation,
Engineering, Farm,
Maintenance, Tailorshop,
Culinary, Domestic,
Laundry, Chaplain,
Barber, & Beauty Operator

3. Salary
Range 1 - \$175 - \$200
through Range 32 - \$640 -
\$710

G. Quarters for employees

Room and board are furnished to any employee who desires same.
Family accommodations are provided for medical and dental staff
only.

H. Impressions

C. Scholastic training

1. Average number of pupils - 103
2. Number of classrooms - 4
3. Character of classrooms (size, location, light, ventilation, toilet facilities, etc.)
 Size - 2 rooms--28 ft. x 29 ft; 2 rooms--16 ft. x 26 ft.
 Location - basement of administration building.
 Ventilation - windows at ground level
 Toilet facilities - one for boys and one for girls.
4. School hours per day and days per week - 8:30-3:30 - five days per week
 Class day is divided into four periods. Students attend two periods of academic classes, one period handicraft and short period music classes.
5. If convulsives are admitted to the school, what arrangements are made for their education and training
 All children who are educationable are in school.

6. Years spent by patient students in Educational Department
 Students may stay in school until 21 years of age.
7. Uses of training made by patient students
 Correspondence - use of library - community placement - and return to public school.
8. Are patients beyond usual trainable age or below the trainable age (chronological or mental) in this department?
 Yes, most kindergarten pupils function at imbecile level.
9. Are patients graduated from school into vocational training?
 No, vocational training department.

10. Academic Department:

Subjects	Chronological Age of patients	Mental Level of patients	No. Patients in classes
<u>Reading</u>	23-1 - 8-8	12-9 - 4-0	78
<u>Arithmetic</u>	23-1 - 8-8	12-9 - 4-0	78
<u>Spelling</u>	23-1 - 10-8	12-9 - 4-11	43
<u>Language</u>	23-1 - 10-8	12-9 0 7-4	32
<u>Penmanship</u>	23-1 - 8-8	12-9 - 4-0	78
<u>Kindergarten</u>	17-3 - 8-0	5-3 - 1-6	26

Students are divided into classes according to their reading level.
 Average size of class is 12 students.

11. Speech training
 No special speech classes.
12. Music (orchestra, band, children's rhythmic band)
 2 church choirs, girls glee club, male chorus, and male octette.
 Individual lessons in wind and string instruments and piano.
 Children from primary class on up attend classes in grade school music.
13. Continuation classes (patients above school age)
 Patients above school age attend handicraft and music classes.

D. Social practice and habit training

1. At table
2. Toilet habits
3. Care of teeth
 On Ward training for all.
4. Bathing
5. Clothing
6. Courtesy
7. Homosexuality

E. Patients' Library

1. In whose charge **School Department**
2. Number of books **Approx. 3000** Books on wards **Yes**
3. Access for patients
 All books in library.
4. Extent and type of use by patients
 Books may be taken out weekly
5. Reading to groups
 Yes
6. Annual expenditures for library
 About \$400.00

F. Manual and vocational training

1. The patients

(1) Range of chronological age

6 to 26

(2) Range of mental level

Age 3 to Adult level.

(3) Number enrolled in classes

About 80.

(4) Proportion of total patient population

About 85%

(5) Average daily attendance: Male Female Total
 40 40 80

2. Physical equipment

(1) Number of shops
 3 in operation.

(2) Shop hours
 8:30 to 5:30 P.M.

(3) Character of shops (size, location, ventilation, toilet facilities, etc.) 2 in Administration Building about 40' x 60'
 1 in Cottage 9, about 38' x 40', 1 in Cottage 6, not in operation.
 Direct ventilation and adequate toilet facilities.

(4) Tools

a. Power **Power equipment operated by instructor only.**

b. Hand **All hand tools.**

3. Types of training

Needle work, weaving, cane and wicker, woodwork, leather work.

4. Disposition of products

Does maker derive money from its sale?

5. Is department run for the training of patients - to produce a display - material for sale - or material for use in the school?

Mostly for training of patients.

6. Number of patients employed by location:	Male	Female
(a) Wards	<u>100</u>	<u>100</u>
(b) Laundry	<u>10</u>	<u>40</u>
(c) Kitchens	<u>2</u>	<u>80</u>
(d) Dining rooms	<u>20</u>	<u>20</u>
(e) Employees' quarters	<u>10</u>	<u>12</u>
(f) Boiler house	<u>14</u>	<u> </u>
(g) Farm	<u>40</u>	<u> </u>
(h) other services	<u>20</u>	<u> </u>

G. Physical education Physical education program is carried out under the Recreational program.

1. The patients

- (1) Range of chronological age
- (2) Range of mental age
- (3) Number enrolled
- (4) Proportion of total patient population

(5) Average daily attendance: Male Female Total

2. Physical equipment (gymnasium, fields, apparatus)
Outside playground equipment consisting of swings, slides, etc., softball diamond, and auditorium is used as gymnasium.

3. The training (types given; emphasis on competition)

Competitive games played, such as horseshoe, basketball, and softball.

X. SPECIAL GROUPS OF PATIENTS

A. General plan of classification

Segregation between male and female patients. Segregation of children and wards for the aged. An attempt is also made to segregate according to I.Q. levels. Crippled and handicapped are also grouped together.

B. Method of commitment

C. Voluntary patients

D. Crippled and bedridden (provision for, proportion of patient population, etc.)

E. Antisocial (ditto)

F. Epileptic (ditto)

946 as of June 30, 1954 out of a total population of 1104.

G. Colonies (supervision: type, frequency, by whom, etc.)

(a) Working

Types of work

(b) Training

None

Types of training

H. Arrangements for working out

XI. DISCIPLINE

- (1) Forms used:

Daily report.

- (2) Ordered by whom?

Dependent on occasion when it arises. Anyone can order discipline when occasion arises but cannot be continued without orders of supervisor approved.

- (3) Supervised by whom:

1 Supervisor
2 Physician
3 Superintendents.

- (4) How?

By daily rounds.

- (5) Statistics

On November 6 there were 7 cases of discipline.
Method Restriction of privileges.
Seclusion an hour to 24 hours.

XII. STERILIZATION

(Law, practice, operations used, number in 10 years, etc.)

Not carried out on epileptics in this state.

XIII. DIVERSION

- (1) In whose charge?

Recreational leader II, Miss Adelaide Arroy.

- (2) Dances

Once a week

- (3) Moving pictures

Once a week in the auditorium. A 15 mi. show on ward once a week.

- (4) Teams (baseball, basket ball, soccer, etc.)

Kittenball, 7 teams of basket ball

- (5) Band or orchestra concerts

Harmonica band.

- (6) Picnics - In summer
- (7) Excursions - No
- (8) Festivals (Xmas, July 4th, etc., as well as all occasions specially celebrated by the school or community)
All celebrated by school.
- (9) Summer vacation colonies
None
- (10) Funds available for diversions
Current expense money for operating expenses last year \$500.00 for radios.
- (11) Clubs
 - Dramatic club
 - Birthday parties
 - Checker tournaments
 - Bible classes run by volunteers from town.
 - Hill billy band goes to other institutions to entertain.

XIV. RELIGIOUS SERVICES

- 1. Frequency
Every Sunday
- 2. Denominations
Protestant and Roman Catholic
Jewish once a month.
- 3. Paid chaplains
One roman Catholic
- 4. Provision for group instruction
Several bible classes (Protestant)
One morning a week.
- 5. Provision for individual instruction
Father Hyde has individual instruction.
Protestant - by volunteers.
- 6. Burial services
Under the various religious leaders.

Choirs are frequently taken out to surrounding churches to sing.

(10047)

XV. VISITING

1. Days **Every day**
2. Hours **9-4**
Anytime in hospital.
3. Where received
Main office.
4. Who is assigned to answer inquiries?
Telephone operator then social worker or physician.
5. Average number visitors each visiting day
36 to 40 on Sunday
15 a day would be average.
6. Number of patients not visited for year or more
Estimated to be one fourth.
7. Means for encouraging visiting
Letters and conversations.

XVI. PAROLE AND DISCHARGE

A. Parole:

1. Parole of grounds (number, regulations, etc.)
Cottage 5 is the only locked building. Cottage 7 and 9 have two wards with low I.Q. children who have to be supervised when out.
2. Parole to near-by town (number, regulations, etc.)
Not unless taken by an employee.
3. Working parole (supervision, type, frequency, by whom, etc.)
In summer they may go out on visit and they are supervised by the person taking them out. 50 may go out.
4. Open wards
All male wards except Cottage 5 and portion of Cottage 7 and 9.
5. Visits to home
Anyone can go out for the day.
For over night they must be approved by the welfare board.
6. Daily average number on parole for last fiscal year
On Nov. 6-12 were on vacations.
Sept. 27 - 14 were on vacations.
July 6 - 141 were on vacations.

B. Discharge Called vacations

1. General methods (who decides, proportion on provisional parole)
The county welfare boards are notified 10 days in advance of their return and they investigate and determine.
2. Duration of provisional parole
They are discharged from the school after being on vacation 60 days. They are not discharged from the guardianship of the commissioner.
3. Provisions for examining paroled patients before unconditional discharge
A cooperative deal between supt, social worker, county welfare board and the central office.
The original request is made to the county welfare board who clears with the institution and central office if home conditions are suitable.
4. After care (social worker, volunteer workers, employment, etc.)

(a) Name	(b) Training	(c) Salary
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The social workers of the county welfare Board give all supervision after the patients leaves the school.

XVII. FAMILY CARE

Numbers involved, practice, supervision, etc.

None

XVIII. SOCIAL SERVICE

- (1) Director, qualifications

Mrs. Betty Linz

- (2) Assistants, number and training

None

- (3) Case load

Whole case load

- (4) Duties of workers

Contact patients in school and then work with county welfare board and central office.

XIX. UNIFORM STATISTICS

- A. What classification is used?

American Psychiatric Association.

- B. Is the hospital preparing its annual statistics in accordance with uniform tabular forms advocated by the American Association on Mental Deficiency?

According to the National Institute of Health.

XX. OUT-PATIENT DEPARTMENTS

A. Clinics held at

B. Days and hours

~~None~~

C. Affiliations with

D. Director

E. Supported by

F. Persons given advice or treatment in out-patient department during
last year Male Female Total

G. Forms used (copies should be attached)

XXI. BUSINESS DEPARTMENT

1. Name and head of department:

Mr. George Hoagland

2. Title

Business Manager

3. How appointed?

Civil Service

4. To whom responsible?

to the superintendent, budget examiners and the department.

5. Duties of this department:

(a) Is purchasing for the school done locally or
through a central purchasing department?
Through a central purchasing department.

- (b) Are there delays or other difficulties in securing needed supplies?

No

6. Are there conflicts between this department and the medical department or the superintendent?

No

XXII. PATIENTS EXAMINED OR ESPECIALLY OBSERVED

- A. General considerations (clothing, cleanliness, cuts and bruises, nutrition, etc.)

All patients except the very old appeared very well nourished. They were clean and their clothing was clean. No nurses were found or the patients examined.

B. Individual patients examined

Many male patients were examined, their bodies were free from any evidence of disease, vermin, or bruises.

XXIII. GENERAL REMARKS AND IMPRESSIONS

(In addition, data may be recorded here under numbered headings for which space on previous pages was not sufficient.)

See comments and recommendations.