

NECROLOGY

Chris Barnholdt, steward, died on September 23, 1928. He had been a faithful officer in this and other institutions in the state for years, and rendered very efficient service until his death, following a most unfortunate accident. Chris Barnholdt was the dean of stewards of the state institutions, a man of unusual personal charm, beloved by his coworkers, with a host of friends. His passing is a source of deep regret and a great loss to the institution and the state.

CONCLUSION

I desire to record my appreciation of the generous and efficient assistance given me by the medical staff, the teachers and the heads of departments. To these and all officers and employes who have aided me in conducting the affairs of the institution I tender my sincere thanks.

The service cheerfully rendered by the pupils on the farm, in the shops, and in work of all kinds throughout the institution, has been most helpful.

The sympathetic aid and cooperation of the Children's Bureau has been of inestimable assistance and is sincerely appreciated.

To you, the honored members of the Board of Control, I tender my thanks for your sympathetic interest, your encouragement and your support.

Respectfully submitted,

J. M. MURDOCH,

Superintendent.

Colony for Epileptics, Cambridge

D. E. McBroom, M. D. - - - - -	Superintendent
L. H. Hedenstrom, M. D. - - - - -	Physician
C. N. Spratt, M. D. - - - - -	Consulting Oculist and Aurist
G. A. Anderson, D. D. S. - - - - -	Dentist
R. F. Gregory - - - - -	Steward

Institution opened in 1925	
Capacity of institution-----	460
Area of grounds, acres-----	323
Acreage under cultivation-----	100
Value of lands and buildings-----	\$614,721.00
Value of personal property-----	56,957.00
Expenditures for year ended June 30, 1930:	
Current expense-----	\$86,551.07
Repairs-----	3,181.97
Permanent improvements-----	203,454.85
Gross per capita cost, current expense-----	343.46
Net per capita cost, current expense-----	303.25
Number of officers and employes-----	49

To the State Board of Control:

I submit herewith the report of the Minnesota Colony for Epileptics for the biennial period ended June 30, 1930.

POPULATION

During the period covered by this report there were 140 admissions. The average population present in the institution was 233, with an average of seven on parole. The total number cared for was 312. At the close of the period there were 243 actually present and 18 temporarily absent but carried on the books, making our total population 261, which shows an increase of 89 patients during this period.

The appeals for admission have compelled us to tax our facilities to the utmost, but with the completion of two new cottages, which will be ready for occupancy soon, we hope to relieve this situation to some extent by admitting 200 of the most urgent cases.

MEDICAL SERVICE

The general health of both patients and employes has been very good. We have not had any severe epidemics; only one epidemic of influenza, which was of a mild type. We have had no contagious diseases except one

throat culture that was positive for diphtheria. Throat cultures, smears, Widals and Wasserman tests are always made.

There has been no major surgery performed here. What few cases we have had for sterilization have been transferred to the School for Feeble-Minded at Faribault, where they have a fully equipped hospital for doing this type of work.

Treatments for venereal diseases have been carried on intensively with very gratifying results.

Luminal has been the chief drug used in attempting to control the seizures.

Dr. C. N. Spratt, of Minneapolis, has been appointed consulting oculist and aurist, and renders service at the institution whenever needed, in addition to doing all of the refraction work.

KETOGENIC DIET

The ketogenic diet was continued upon a group of patients until May 1, 1929, this being a period of just one year. The aim of this was to prove or disprove the value of this diet in the treatment of epilepsy. It was carried out by the institution organization, but all of the work was supervised by the Mayo Clinic and the University of Minnesota Graduate School.

We wish to thank especially Dr. C. J. Barborka, Dr. Theodora Wheeler and Mr. Paulson for their untiring efforts and kind consideration of all in carrying on the work, the results of which are to be published in the near future.

DENTAL DEPARTMENT

We now have a fairly well-equipped dental office, adjoining our surgical room, so the same sterilizing units can serve both departments. This work has been very efficiently carried on by Dr. G. A. Anderson.

Epileptics, because of their advancing dementia, are particularly prone to disregard mouth hygiene, and as a consequence are more subject to infections and decay, and therefore need more dental attention than the average patient.

EDUCATIONAL WORK

Our school department is one of the most interesting departments in the entire institution. As at present organized it consists of a principal and two literary teachers and one manual training teacher. Its operation has been very satisfactory, and was of much benefit to the patients, from the standpoint of both discipline and education.

All patients up to 18 years of age are given instruction in the school department, and many of the older patients attend the occupational therapy rooms, where they are taught rug and other forms of weaving, lace-making,

basketry and sewing. The older boys are trained in woodworking, farm work, gardening and dairying.

All of our various service departments are supervised by employes trained in their particular field, so that patients assigned to these departments may have the opportunity of learning a trade; such as, cooking, baking, sewing, table-waiting, laundering, etc.

The Department of Research of the State Board of Control gives the intelligence tests to all of our patients.

LIBRARY

In connection with the school department we have a nice library, well supplied with books, magazines and periodicals. This is under the supervision of Miss Perrie Jones, supervisor of institution libraries, and is operated by the teaching staff. The library is open four afternoons of each week and is used and greatly appreciated by the patients.

RELIGIOUS SERVICES

Non-denominational religious services are held in our assembly hall every Sunday morning. Attendance is voluntary, but the hall is always filled to capacity.

At present we have a rotating service with the ministers in Cambridge. Denominational services are held for members of the Protestant churches whenever asked for, and Reverend Wey, of Rush City, has conducted services regularly for the Catholic patients.

AMUSEMENTS AND RECREATION

Our entire population enjoys outdoor privileges, and patients are urged to get out-of-doors daily when the weather permits. They are taken for walks by their attendants, and games and recreation are directed along health-giving lines.

Each and every ward is supplied with a radio and phonograph, which adds much to the enjoyment of its occupants in inclement weather and during the evenings.

Special dinners are provided on Thanksgiving, Christmas and other holidays. On Fourth of July we have a celebration with fireworks. All of the national and state holidays are observed with special exercises. Christmas, of course, is the greatest day of the year, with trees on all wards, Santa Claus and gifts for all.

During the school year two dances, or parties, are held each week, one on Tuesday evening for the older patients and one on Thursday evening for the younger patients. On the third Wednesday of each month we hold a monthly birthday party for all of the patients whose birthdays occur in that

month. Throughout the summer vacation we hold two picnics each week, which are supervised by the principal teacher. When the weather permits we have a ball game each week with the Cambridge Boy Scouts, and institutional games much oftener. Our female patients are very much interested in kitten ball, and have a game nearly every evening.

FARM, GARDEN AND DAIRY

In the first year of the biennium our crops were only fair. Oats were very poor. We harvested a fair crop of potatoes, but they were attacked by rot, so that we lost nearly the entire crop. The vegetable garden yielded better results, and we were able to supply the needs of the institution during the season. Milk production was very low; many of our cows were getting old and the majority were "poor milkers." We started to clean out the old stock and rebuild the herd. On the entire farm, garden and dairy for that year we made a net profit of \$1,097.40.

The last season of this biennium was exceptionally dry. The garden was not so productive, but the potato crop was fair, and we were successful in saving the entire crop. Milk production increased considerably, and our prospects are excellent for developing a fine herd. We now have 23 head of cattle, all full-blood registered Holsteins except two good milking-grade cows. Many of these are young, but come from excellent stock and should make good animals. We have a very fine full-blooded bull, which we secured from the Anoka State Asylum.

Our herd is entirely free from tuberculosis and bang abortion, having been tested regularly by Dr. Engleth of the Sanitary Livestock Board, to whom we are greatly indebted for his advice, suggestions and cooperation in helping us develop our herd. The farm equipment is excellent.

The new dairy barn was completed in 1928 and has proved satisfactory in every way. The new hollow tile silo and new milk house have been completed but are not yet in use. The new sanitary piggery has just been opened.

The net profit for the farm for this year was \$1,752.34, making a total of \$2,849.74 net profit from farm, garden and dairy for the biennium.

BUILDINGS AND IMPROVEMENTS

The past two years have been a period of construction. Girls' cottage No. 2 was completed and occupied and has proved to be a very satisfactory building.

Sidewalks were laid to cottage No. 2 and in back of and around the north side of the administration building.

A new dairy barn was completed and has proved to be an exceptionally fine arrangement. This accommodates 25 head of cattle, besides a bull pen, a cow pen, a calf pen. It is well equipped with hay space and feed rooms.

A hollow tile silo, 14 feet by 36 feet, adjoining the feed room, has just been completed, which we will fill this fall.

The new milk house is connected with the dairy barn by a covered corridor, and will provide means for the handling of the milk for all time to come. On the main floor are the weighing and recording room and the cooling rooms, equipped with cooling tanks, and so forth, a large washroom for taking care of cans and equipment, and a fine steam sterilizing room with a narrow passageway that can be used for testing equipment. In the basement we have the work rooms and lavatories and the steam boiler and water-heating equipment.

The 6-inch water mains and the sewers were extended to the new building and to the farm group, and were also laid for the back row of cottages, thus nearly completing the main system as will be needed for the entire institution.

Tunnels were completed from cottages No. 2 to No. 4 and from the administration building to cottages No. 1 and No. 3. These are nice, light, well-ventilated tunnels, thoroughly waterproofed.

A new piggery, containing feed room and all necessary equipment, has been erected on the hillside southwest of the farm group. This will take care of our needs for some time to come.

A new root cellar of reinforced concrete was erected last fall in the hillside west of the dairy barn and was occupied last winter. Its operation was perfect, and vegetables and roots kept in the best of condition. No heat was needed, and it was a source of great satisfaction.

A rotary pump was installed in the deep well, insuring us an adequate water supply at all times, not only for domestic purposes but for fire protection.

The old root cellar has been slightly remodeled, so we can use some of that space for heavy storage.

Garages were remodeled and capacity increased.

The tunnel and ramp leading into cottage No. 1 were rebuilt so as to reduce the grade and make it possible to enter the building with the food trucks.

The smokestack at the boiler house had to be rebuilt, and the top 65 feet was replaced.

Two new cottages (No. 3 and No. 4) for patients, were erected and are now ready for occupancy. These are steel, brick and concrete structures, fireproof, and correspond in architecture with the other buildings. Each building will accommodate 100 patients, and has day rooms, dormitories, dining room, industrial room, laundrette and kitchenette, locker rooms, shower

and tub baths, and everything necessary for the comfort of the patients. Each building is provided with two built-in tubular fire escapes, has accommodations for seven employes, also a pleasant reception room.

Considerable grading of the grounds has been accomplished. Most of this has been done by the patients, except the backfilling of tunnels and work around the new building.

Mr. Nichols, the landscape architect, has developed a very comprehensive scheme for the beautification of our grounds, and this spring we did our first work in planting. Most of the trees and shrubbery were placed in front of the administration building, where the grading is completed. This has improved the general appearance of the institution a great deal.

NEEDS OF THE INSTITUTION

This is a comparatively new and rapidly growing institution, and I recommend that the building program be continued as rapidly as possible until the institution gets to the proportions where the per capita cost can be reduced. Appropriations are needed as follows: Furniture and equipment, \$1,500; kitchen equipment, \$550; library, school, musical and industrial, \$3,000; repairs and replacements, \$6,000; current expense, \$323,000; remodeling of present temporary boiler room for permanent laundry, \$15,000; erection of new boiler house and power plant, \$210,000; two new cottages for patients (to accommodate 100 each), \$202,000; furniture and equipment for new cottages, \$16,000; warehouse, storeroom and assembly hall (combined), \$85,000; sewage disposal plant, \$15,000; farm cottage, \$5,500; additional land, \$2,000; painting and decorating, \$4,000; fencing grounds, \$4,000; sidewalks, \$1,000; ground lighting, \$2,000; building and improving roads, \$2,000; improving grounds, \$4,000; farm equipment and supplies, \$2,500; x-ray and hospital equipment, \$3,000; additional laundry equipment, \$11,910.

PERSONNEL

With the opening of the new cottage it was necessary to reclassify the patients and enlarge the force of employes to complete the organization, and we have been very fortunate in securing a faithful and efficient group of employes. We have at all times had a large waiting list of applicants to fill possible vacancies.

NECROLOGY

On April 5, 1930, Mr. Henry B. Sam passed away. Mr. Sam was the chief engineer and master mechanic of this institution, which position he efficiently filled until his death. His helpfulness and unselfish devotion to his work, together with his genial personality and his consideration for others, endeared him to all who knew him.

CONCLUSION

During the first two months of the period covered by this report the affairs of the institution were administered by Mr. G. C. Hanna, who was superintendent until September 1, 1928, when he resigned and returned to private life. All credit is due him for the excellent condition of the institution, and I wish to thank him for the many kindnesses shown me. I succeeded Mr. Hanna as superintendent on September 1, 1928.

To Dr. J. M. Murdoch, superintendent of the School for Feeble-Minded at Faribault, I wish to express my deepest appreciation of his counsel, interest and cooperation in the affairs of this institution.

To all the officers and employes who have been loyal and faithful in the performance of their duties, I express my appreciation.

To the members of the State Board of Control, I wish to express my thanks and appreciation for their kindly advice, assistance, support and encouragement extended to me at all times.

Respectfully submitted,

D. E. McBROOM,

Superintendent.

Institutions for Feeble-Minded and Epileptics

Classification	Year Ended June 30, 1930			Year Ended June 30, 1929		
	Male	Female	Total	Male	Female	Total
POPULATION						
In institutions at beginning of year-----	1,062	1,079	2,141	1,049	1,038	2,087
Admitted:						
First admissions -----	157	124	281	145	138	283
Readmissions -----	19	17	36	5	36	41
Received by transfer-----	3	2	5	18	9	27
Returned:						
From summer vacation-----	186	111	297	180	97	277
From escape -----	30	6	36	9	3	12
Total under care-----	<u>1,457</u>	<u>1,339</u>	<u>2,796</u>	<u>1,406</u>	<u>1,321</u>	<u>2,727</u>
Discharged:						
As normal -----	1	6	7	3	1	4
As unimproved -----	53	83	136	15	65	80
As insane -----	---	---	---	1	1	2
Died -----	52	34	86	68	36	104
Paroled for summer vacation	204	112	316	217	122	339
Escaped -----	36	5	41	22	13	35
Transferred to other institutions	5	5	10	18	4	22
In institutions at end of year-----	<u>1,106</u>	<u>1,094</u>	<u>2,200</u>	<u>1,062</u>	<u>1,079</u>	<u>2,141</u>
Average population -----	<u>1,101</u>	<u>1,101</u>	<u>2,202</u>	<u>1,079</u>	<u>1,079</u>	<u>2,158</u>
PERSONS ADMITTED						
Feeble-minded:						
School -----	54	25	79	50	43	93
Custodial -----	82	95	177	60	102	162
Farm colonies -----	5	---	5	1	---	1
Epileptic:						
Custodial -----	18	9	27	11	9	20
School -----	16	12	28	29	22	51
Incurable -----	1	---	1	---	1	1
Total Admissions-----	<u>176</u>	<u>141</u>	<u>317</u>	<u>151</u>	<u>177</u>	<u>328</u>
AGE GROUP						
Under 5 years -----	10	7	17	5	7	12
5 to 9 years -----	49	11	60	24	10	34
10 to 14 years -----	46	19	65	45	17	62
15 to 19 years -----	29	24	53	37	42	79
20 to 24 years -----	19	22	41	16	28	44
25 to 29 years -----	6	25	31	4	21	25
30 to 34 years -----	3	8	11	11	25	36
35 to 39 years -----	5	12	17	3	14	17
40 to 44 years -----	2	4	6	2	3	5
45 to 49 years -----	3	4	7	1	1	2
50 to 54 years -----	2	3	5	2	1	3
55 to 59 years -----	1	1	2	1	9	4
60 years and over -----	1	1	2	---	1	1
Age unknown -----	---	---	---	---	4	4
Total Admissions-----	<u>176</u>	<u>141</u>	<u>317</u>	<u>151</u>	<u>177</u>	<u>328</u>
MARITAL CONDITION						
Single -----	168	111	279	146	143	289
Married -----	8	23	31	4	80	84
Widowed -----	---	2	2	---	2	2
Separated -----	---	---	---	1	1	2
Divorced -----	---	4	4	---	1	1
Unascertained -----	---	1	1	---	---	---
Total Admissions-----	<u>176</u>	<u>141</u>	<u>317</u>	<u>151</u>	<u>177</u>	<u>328</u>
NATIVITY						
United States -----	171	130	301	139	157	296
Austria -----	---	---	---	---	1	1
Belgium -----	---	---	---	---	1	1
Canada (includes Newfoundland) -----	---	1	1	1	3	4
Czechoslovakia -----	1	1	2	---	---	---
England -----	1	---	1	---	---	---
Finland -----	---	---	---	---	1	1
Germany -----	---	1	1	1	1	2

Institutions for Feeble-Minded and Epileptics—Concluded

Classification	Year Ended June 30, 1930			Year Ended June 30, 1929		
	Male	Female	Total	Male	Female	Total
NATIVITY—Concluded						
Norway	1	2	3	---	3	3
Roumania	---	1	1	---	---	---
Russia	2	---	2	2	2	4
Sweden	---	2	2	1	---	1
Unascertained	---	3	3	7	8	15
Total Admissions	176	141	317	151	177	328
PARENTAGE						
Native parentage	100	53	153	60	56	116
Mixed parentage	30	23	53	20	23	43
Foreign parentage	37	45	82	45	53	98
Parentage unknown	9	20	29	26	45	71
Total Admissions	176	141	317	151	177	328
PHYSICAL DEFECTS						
Physically defective:						
Blind	---	1	1	1	---	1
Deaf	1	---	1	1	2	3
Dumb	9	---	9	13	1	14
Crippled, maimed or deformed	3	1	4	3	1	4
Paralytic	1	---	1	4	---	4
Epileptic	32	21	53	32	25	57
Two or more defects	43	11	54	35	18	53
Not physically defective	87	107	194	62	125	187
Total Admissions	176	141	317	151	177	328
DISPOSITION OF INMATES DISCHARGED						
To custody of parents	16	20	36	11	24	35
To custody of other relatives	19	36	55	1	3	4
To custody of self	9	3	12	3	10	13
To custody of others	10	30	40	4	30	34
Total discharged	54	89	143	19	67	86
AGE AT DEATH						
Under 5 years	3	2	5	4	---	4
5 to 9 years	6	4	10	4	8	12
10 to 14 years	5	3	8	6	3	9
15 to 19 years	8	8	16	14	6	20
20 to 24 years	10	5	15	8	6	14
25 to 29 years	5	2	7	8	3	11
30 to 34 years	3	2	5	8	2	10
35 to 39 years	3	4	7	4	2	6
40 to 44 years	3	2	5	3	2	5
45 to 49 years	3	---	3	3	---	3
50 to 54 years	---	1	1	2	---	2
55 to 59 years	2	---	2	---	1	1
60 years and over	1	1	2	4	3	7
Total	52	34	86	68	36	104
CAUSE OF DEATH						
Tuberculosis of the lungs	9	14	23	10	11	21
Other forms of tuberculosis	1	---	1	2	3	5
Cancer and other malignant tumors	---	---	---	1	---	1
Cerebral hemorrhage and softening	1	1	2	1	1	2
General paralysis of the insane	2	3	5	---	2	2
Other forms of mental alienation	---	1	1	---	---	---
Epilepsy	7	5	12	11	6	17
Organic diseases of the heart	4	5	9	2	3	5
Diseases of the arteries	1	---	1	1	---	1
Pneumonia	13	1	14	20	5	25
Diarrhea and enteritis	3	1	4	7	2	9
Nephritis and Bright's disease	2	1	3	---	---	---
Forms of violence	4	---	4	---	---	---
All other causes	5	2	7	13	3	16
Total	52	34	86	68	36	104