MONUMENTS and INSCRIPTIONS

LEVI V. POWER,
Montague, P. E. I.

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THE EASTERN GUARDIAN

AGENTS:—MONTAGUE: Harold F. Landry, Mrs. Byron Stewart, Mrs. Bruce MacPhee, Miss Joyce Wigginton, Pius McKinnon. AGENT GEORGETOWN: Waldon Lavers.

The Guardian may be bought at the following places in Montague: Blue Dome Restaurant, and Guardian Office; in Georgetown: The Post Office; in Souris: The Snack Bar and H. Richards & Son.

—*BULOVA trade in sale, your old watch is worth money. Boehner's Jewellers, Montague, P. E. I.

—*Rev. and Mrs. M. Watterworth and Mrs. Harriet Dickieson, New Glasgow, P. E. I. were recent visitors to Montague.

Miss Roma Preece, student nurse at the Victoria General Hospital, Halifax, is spending three weeks guests of her parents, Mr. and Mrs. George Preece, Montague.

Mr. Bernard MacGillivary, Cardigan, spent the weekend visiting with Mr. and Mrs. Andrew Campbell, Panmure Island.

Mr. and Mrs. Blair MacSwain, accompanied by Miss Lorrane MacDonald, Alliston, were visitors to Montague yesterday.

..*PARISH OF GEORGETOWN, Church of England, Holy Trinity, Sunday, February 8th, Sexagesima. The Holy Communion and Sermon. 11 A. M. Sunday School 2.30.

..*MONTAGUE UNITED PASTORATE. — Sunday, February 8th. Rev. J. M. Fraser, Minister. Montague: 10 A M. Sunday School and Bible Class. 11 A. M. Morning Service. 7.30 P. M Evening Service. Lower Montague: 3 P. M. Church Service.

..*THE PRESBYTERIAN CHURCH IN CANADA. — Services for Sunday, February 8th, as follows: Montague 11 A. M. and 7.30 P. M. Cardigan 2.30 P. M. Montague. Sunday School 10 A. M. Rev. F. N. Young, Minister.

..*GEORGETOWN PASTORAL CHARGE.—United Church of Canada. Services for February 8th. 11 A. M. Milltown Cross. 2.30 P. M. Sturgeon. 7.00 P. M. Georgetown. Rev. W. A. Paterson, Minister.

...*UNITED BAPTIST Church, Montague, service Sunday, Feb. 8th. Montague 11 a.m.; Murray River 3 p.m.; Murray Harbour 7:30 p.m. Subject "The Word of God." H. J. Blois, pastor.

...*ALL ODDFELLOWS are requested to meet at the I.O.O.F. Hall, Montague, Saturday, February 7th, at 1 o'clock p.m. to attend in a body the funeral of the late brother R. G. McLaren.

...*LODGE MEETING — Mrs. Leroy White presided at the regular meeting of ACME Rebekah Lodge, Montague, Thursday evening, January 29th. There was a large attendance of members and one visitor was present. New business included plans for presenting an Irish concert in March and several committees were appointed. The committee in charge of the Valentine party arrangements also gave their report. There was also a report from the sick committee. Following the reading of the correspondence and the financial reports the meeting adjourned and a social hour was enjoyed. A singsong with Mrs. J. M. Fraser and Mrs. J. D. MacLeod as pianists was featured on the program. A quartette, Mrs. J. D. MacLeod, Mrs. C. A. Shaw, Mrs. H. E. Nelson and Mrs. Archie Hilchey sang a number of selections. Lunch was served by Miss Sue Hemphill and Mrs. Neil Hooley.

Parkdale And Morell In Draw

The Parkdale Bombers and Morell Dreadnaughts battled to a 5-5 draw last night in an exhibition game played in Morell. The Bombers came from behind in the third period to score two goals and earn the draw.

Richard Carroll led the Bombers attack by scoring three goals while Joe Coyle and Sam Gregory notched single goals. Reg MacAdam and R. MacInnis each scored two for Morell and John MacInnis one.

Lineups:

Bombers: Goal, MacLean; defence, Josey, Coyle, J. McInnis, L. Gaudet, T. Moore; forwards, C. Burke, R. Carroll, C. Gillis, S. Gregory, T. Bradley, N. Larter, C. Gregory.

Morell: Goal, V. MacKinnon; defence, E. Eldershaw, J. Coffin, B. MacAdam, W. MacAdam; forwards, M. MacPhee, Lavoie, J. McInnis, G. Kelly, R. MacAdam, R. MacInnis, A. Keefe, K. Jay, K. Eldershaw, Joey Coffin.

Abbies Sisters, Victoria Sea Gulls In 2-2 Tie

The Charlottetown Abbies Sisters and the Victoria Sea Gulls Sisters played to a 2-2 draw last night in an exhibition game at Victoria Rink.

Eileen MacArthur and Kate Burnett scored for the Abbes while Lois MacDonald and Betty Lou MacLean scored for Victoria. The game was handled by R. Miller and L. Wood.

Mount Cook, towering 12,349 feet, is the highest peak of the southern Alps in the South Island of New Zealand.

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Montague In 12-11 Win Over Ch'town Royals

Montague fans were treated to a thrilling hockey exhibition last night as they watched the Shmohawks overcome a five-goal deficit to win 12-11 over the Charlottetown Royals. Without doubt the most outstanding game played in Montague this year, it provided the fans with all they wished to see in hockey, fast skating, rink wide passes, concerted gang attacks, and hard checking. Both teams were outstanding in performance, but a little extra should go to the locals for their brilliant eight-goal dive in the second period.

The Royals ran up a five-goal lead, two in the first period and three in the first minutes of the second. Matters did not appear the best when suddenly the locals broke the game wide open, and went on a scoring rampage which the visitors were unable to check. In four minutes five goals were tallied and three more followed before the period ended. The enthusiastic fans were clamoring for hockey. They got it.

Not to be outdone, the Royals came back strong whipping in three goals to tie the game early in the third. Montague fought back to regain the lost three, and from there the scoring see-sawed until with one minute to go and one goal down, the visitors pulled the goalie and the battle was on. It was the longest minute in history. Attack after attack was thrown back, only to reform again. MacDonald hit the local goal post with two seconds to go, and a groan went up from the crowd who thought it had hit the centre post. Montague grabbed the loose puck and held on until the bell signalled the end of the game and a hard-fought, well-won victory.

Line-ups

Royals — Goal, Tulle; defence, MacAulay, Field, Haughey, MacDonald; forwards, Burke, B. Kelly, Stanley, MacKenzie, L. Kelly, MacNally, Gallant, Joseph.

Montague — Goal, Vuozzo; defence, Clements, Landry, Davis, Reynolds; forwards, Power, Nelson, MacLure, Fraser, MacLean, Stewart, Young.

SUMMARY

First Period

1—Royals, B. Kelly (MacKenzie) 10:11
2—Royals, MacKenzie 19:59
Penalties — MacKenzie.

Second Period

3—Royals, MacDonald 1:07
4—Royals, B. Kelly (MacDonald) 1:13
5—Royals, Joseph (MacKenzie) 4:45
6—Montague, MacLure (Power, Nelson) 5:05
7—Montague, Fraser (Stewart) 5:17
8—Montague, MacLean (Stewart, Fraser) 6:45
9—Montague Fraser 7:26
10—Montague, Clements (Nelson, Davis) 9:15
11—Montague, Power (Nelson) 14:10
12—Montague, Nelson (Power) 14:36
13—Montague, Davis (Stewart) 19:35
Penalties — Reynolds

Third Period

14—Royals, MacKenzie 1:20
15—Royals, MacKenzie (MacDonald) 7:30
16—Royals, B. Kelly (Joseph) 8:13
17—Montague, Fraser (Stewart) 8:37
18—Montague, Fraser (Davis) 9:55
19—Montague, Nelson (MacLure) 11:20
20—Royals, B. Kelly (Burke) 13:40
21—Montague, Power (Davis) 17:45
22—Royals, Burke 18:15
23—Royals, MacDonald (B. Kelly) 18:56
Penalties — Joseph, Clements

Referee, McCallum.

Wide Range

Continued from page 1

dian Vessel Construction Assistance Act. It provide that tax-free monies shipowners are allowed to put aside for regular or special surveys and inspections of their vessels, will be taxable if not used for that purpose.

Mr. Green attempted to open a general debate on Canada's merchant shipping position. He said unless Canada gets busy soon in building fast, modern cargo ships "it won't be long before we cease to be a maritime nation."

Government assistance to shipping worked fairly well for lake freighters but beyond two tankers no modern deep-sea vessels were on the stocks.

Transport Minister Chevrier interjected that he did not come prepared for debate on merchant shipping. Mr. Green was out of order.

When Mr. Green persisted, the minister demanded a ruling from the chair.

The colony of Sierra Leone on the west coast of Africa has been in British possession since 1788.

HOCKEY
Murray Harbour Rink
Friday Night, Feb. 6th
Murray Harbour Bruins
vs.
Georgetown Eagles
Second game of playoffs
Game starts at 8:30
Skate After Game

Georgetown Eagles Win Southern King's Opener From Murray Harbour

In defence of the Southern King's Cup which they now hold, the Georgetown Eagles unleashed a furious and sustained attack in the first game of the hockey league playoffs at Georgetown last night to defeat Murray Harbor Bruins 5-0.

The game was fast and clean and was witnessed by a capacity crowd.

Sullivan, in goal for Eagles, earned his shutout. His opposite number, Stevens, was also brilliant, and did much to keep the score from mounting.

The second game of the playoffs is scheduled for Murray Harbor tonight.

The non-appearance of Murray Harbor for the scheduled opening game Wednesday night had led to a claim by Georgetown for the game by default, but the situation was cleared up yesterday.

Referees last night were Dutney and MacConnell.

Lineups:

Georgetown—Goal, Sullivan; defence, W. MacLean, A. MacPhee, Johnson; forwards, H. MacLean, A. Murphy, B. Murphy, Landry, MacSwain, Publicover, MacDonald, Martell, MacNeill, Stevens.

Murray Harbor—Goal, Stevens; defence, R. Harris, Herring, Hume; forwards, Munn, Prowse, Stewart, G. Harris, Fraser, White, Bell.

SUMMARY

First Period

1—Georgetown ,H. MacLean (MacNeill) 1:26
2—Georgetown, Landry (B. Murphy) 4:27
3—Georgetown, MacDonald (Stevens) 11:04
Penalties — H. MacLean, Herring.

Second Period

4—Georgetown, Martell (Landry, MacSwain) ..... :24
5—Georgetown, A. Murphy (H. MacLean) 6:46
Penalties — Landry.

Third Period

Scoring — None.
Penalties — W. MacLean, Johnson, Herring.

Rangers In

Continued from page 6

(Pronovost) 15:28
Penalties — None.

Second Period

3—Detroit, Delvecchio (Wilson) 5:57
4—New York, Guidolin (Raleigh, Buller) 6:36
5—Detroit, Howe (Delvecchio, Wilson) 18:00
Penalties — Goldham 3:02, Howe and Kullman 15:43.

Third Period

6—New York, Stanley (Buller) 16:04
Penalty — Hay 15:09.

Joins R.C.A.F., Honoured By Belle River Friends

On the evening of February 4th, friends and neighbors of Charles W. Compton, Belle River, gathered in the Legion Hall to bid him farewell for a time. Charlie has joined the R. C. A. F. and left to take up his duties in St. John's, Que. on February 5th.

Dancing was enjoyed by all present. The gathering was called to order by Sinclair McRae and a pleasing address was read by Alfred Cook. Charlie was presented with a well filled purse by Keith Bell on behalf of the gathering for which he thanked his friends.

Lunch was served by the ladies of Belle River, and a very enjoyable time was had by all present.

Mr. R. G. MacLaren Dies At New Perth

...*The death occurred at his home in New Perth on February 5th of Mr. Russell G. MacLaren, after a short illness, in his 83rd year.

The deceased was the son of the late Mr. and Mrs. William MacLaren of New Perth.

He is survived by his widow, nee Margaret Stewart, also two sons, Bruce in Charlottetown, Glen at home, and two daughters, Alice (Mrs. Raymond Poole, Lower Montague), and Jean, Mrs. L. P. Doane, Waltham, Mass., one sister, Mrs. Daniel McQuarrie, Montague, also survives.

The funeral of the late Mr. MacLaren, will be held Saturday afternoon from the home at 2 p.m. Interment will be in the Brudenell Cemetery.

Probe Theft Of Navy Food

VICTORIA, (CP) — An investigation is being carried on by R. C. M. P. and the navy into thefts of food from HMCS Naden.

It was learned Thursday that one navy rating has been arrested for theft of meat from the shore base, and R. C. M. P. officials are investigating the matter at the request of the navy.

The Naden commandant, Commodore F. K. Adams, said that the theft was "just another case of stupidity where a man thought he could make a little easy money by selling navy food."

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ST. PETER'S

New Danish Methods Of Progeny Testing Outlined

The following article, concluded from yesterday's Guardian, has been prepared by Mr. C. J. Small, Acting Agricultural Secretary for Canada at the Hague, and follows a recent visit made by Mr. Small to Denmark where he made a close observation of the work being undertaken at various progeny testing stations:

The rules under which bull testing stations operate have been established by the National Animal Husbandry Research Institute and are as follows:

1) A test group should consist, if possible, of twenty first calf heifers, representative of the average type of progeny of the bull in question.

2) Heifers must come from T. B.-free and brucellosis-free herds (Denmark is, in fact, free of bovine T. B.).

3) Heifers should reach the stations on September 1st to allow settling in and conditioning before calving.

4) Heifers should calve between Octoger 1 and November 15 and should be between 27 and 33 months old at calving.

5) Each group of heifers remains on test at the station for 304 days. Including the pre-calving period, the heifers remain at the station approximately one year.

6) An assistant is appointed and paid by the National Animal Husbandry Research Institute to supervise feeding; to weigh and record milk production twice weekly; to make a fat test for each cow weekly; to record the weight of each cow several times during the test year and additional data such as the ease with which machine milking is performed with each cow, the amount of milk let down in the initial and following minutes of milking, etc. A weekly report is submitted by the assistant to the Research Institute. Bull owners are informed of the results within two months of conclusion of the test period and a detailed report is published later by the Institute.

7) Feeding practices, rations, milking and all management and environmental factors are standardized as nearly as possible at all stations. This makes possible direct comparison between groups at the same station or different stations and from year to year.

8) Milking is performed by machine three times a day for cows giving over 27 lbs. per day and twice daily for those giving less. During the latter part of lactation (i. e. the summer months) all cows are milked twice a day. Milk production of each cow is weighed two days per week and a fat test made weekly.

9) Feeding: From the time of arrival at the station the cattle are fed on pasture and their diet is supplemented with some roots and a small amount of concentrate feed, the object being to have all heifers in uniformly good condition by calving time. All feed, except pasture grass, is weighed for each cow at each feeding. The same strain of roots and the same protein supplements are fed at all stations. Each cow receives the same quantity of hay and the same amount of dry matter in roots and ensilage. Winter feeding is regulated in accordance with the following table:

Yield (lbs. of 4% fat corrected milk)	lbs. of dry matter in Swedes	Fodder-beets	Beettop silage	lbs. of clover hay	lbs. of concentrates Mixture 1	Mixture 2
14.3-16.4	3.3	5.0	4.0	5.5	3.0	
16.5-18.6	3.3	5.5	4.0	5.5	3.4	
18.7-20.8	3.3	6.0	4.0	5.5	3.7	
20.9-23.0	3.3	6.6	4.0	5.5	4.1	
23.1-25.2	3.3	7.2	4.0	5.5	4.4	
25.3-27.4	3.3	7.2	4.0	5.5	4.4	0.9
27.5-29.6	3.3	7.2	4.0	5.5	4.4	1.8
29.7-31.8	3.3	7.2	4.0	5.5	4.4	2.6
31.9-34.0	3.3	7.2	4.0	5.5	4.4	3.5
34.1-36.2	3.3	7.2	4.0	5.5	4.4	4.4
36.3-38.4	3.3	7.2	4.0	5.5	4.4	5.3
38.5-40.6	3.3	7.2	4.0	5.5	4.4	6.2
40.7-42.8	3.3	7.2	4.0	5.5	4.4	7.0
42.9-45.0	3.3	7.2	4.0	5.5	4.4	7.9
45.1-47.2	3.3	7.2	4.0	5.5	4.4	8.8
47.3-49.4	3.3	7.2	4.0	5.5	4.4	9.7
49.5-51.6	3.3	7.2	4.0	5.5	4.4	10.6
51.7-53.8	3.3	7.2	4.0	5.5	4.4	11.4
53.9-56.0	3.3	7.2	4.0	5.5	4.4	12.3
56.1-58.2	3.3	7.2	4.0	5.5	4.4	13.2
58.3-60.4	3.3	7.2	4.0	5.5	4.4	14.1
60.5-62.6	3.3	7.2	4.0	5.5	4.4	15.0
62.7-64.8	3.3	7.2	4.0	5.5	4.4	15.8

Regular feed analyses are performed and an average daily feed allowance (depending, of course, on the analysis) for a cow giving four gallons of 4% fat corrected milk would be:

30 lbs. of swedes,
45 lbs. of fodder beets,
20 lbs. of beet top ensilage,
5½ lbs. of clover hay
4.4 lbs. of concentrate supplement No. 1,
6.2 lbs. of concentrate supplement No. 2,
grass straw ad lib.

(N.B.: The feeding plan has been worked out in kilograms and conversion into pounds accounts for the odd fractions in the above table and ration.)

Usefulness of Bull Testing Stations Established

An important by-product of the Danish bull testing system — and one that was unforeseen when the system was established — is its very great influence as an extension or advisory service aid. A farmer who sends a heifer to a bull testing station and witnesses for himself a much better production record through good feeding and management than he could have expected had it remained at home will generally want to know the reason why. By visiting a station and talking to the research assistant and the station operator, he will learn more than any number of formal speeches or any amount of printed material could teach him — for the simple reason that he will not normally trouble to attend lectures or to read available information. However, it has been found that farmers will attend meetings held at a bull testing station, particularly if they have a heifer at the station.

Milk recording societies' statistics indicate that only 1.1 to 1.2 kgs. of milk per feed unit* are produced on the average throughout Denmark. Against this, medium and better groups of cows at bull testing stations produce an average of 1.4 to 1.5 kgs. of milk per feed unit. It often happens that a heifer from a poorly fed and managed herd will double its expected production at a station and may fall off again on returning home. Such an impressive demonstration is difficult to resist by the poorest of farmers.

Another useful product of the system is that uniform feeding and management permit comparison of lactation curves which, after the test conditions, are certainly to some extent a product of heredity. A group of cows from one bull may have a high average yield at the beginning of the lactation period and fall off sharply as it progresses. Another group may never yield as highly but will maintain a higher average throughout the lactation. It has been found that the latter holds true in most cases.

The primary purpose, however, of bull testing stations is to provide information on a bull's breeding value as early as possible and it is unquestionable that this end is being achieved in Denmark. Under this system by the time a bull is five or five and a half years old his breeding capacity will be established, whereas the old dam-daughter progeny testing system requires nearly twice as long. It is true that a good bull will be discovered by the older method but the importance of speedy determination cannot be over emphasized today in view of the wide acceptance and practise of artificial insemination. Where a bull may be serving through A.I. from 2,000 to 3,000 cows a year — and sometimes many more — it is vital to prove his worth as quickly as possible.

*One Scandinavian feed unit is the feeding value of one kilo of barley.

The importance of speedy information on A.I. bulls in Denmark can be readily understood from the following table indicating the growth and extent of A.I. practised there since its inception in 1936.

	Reg'd. Cows	% of total stock	Bulls used
1936 (first society)			1
1941	137,700	9	289
1945	435,000	28	613
1950	772,800	49	777
1951	914,600	58	900

In the 1950-51 annual report on Danish bull testing stations 642 first calf heifers from 37 bulls in 304 days gave an average of:

9,251 lbs. of milk,
4.46% butterfat,
413 lbs. of butterfat.

However, there is a wide spread between the progeny of the best bull and those of the worst, despite the fact that on paper all bulls were of excellent ancestry.

Average Yield of Daughters in 304 Days After First Calving.

	Milk lbs.	Fat %	Butterfat lbs.
"Dal" (best bull)	11,730	4.55	534
"Rudme 75" (poorest bull)	6,967	4.24	295

"Rudme 75" was kille. when the results of the test became known and "Dal" is being employed to the fullest extent. Destruction of poor bulls is not compulsory but the obvious results of the tests are readily accepted by farmers and breeding societies. Indeed, perhaps the best feature of the Danish bull testing system is the ease with which a farmer or group of farmers in a breeding society can be convinced of its cash value.

Sources:

1. Breeding and Feeding of Cattle and Pigs — L. Hansen Larsen, Hj. Clausen and Johs. Jespersen.
2. Breed Improvement with Reference to Recording, Breeding and Testing — H. Wenzel Eskedal.
3. Instruction Methods in the Feeding of Livestock — K. M. Andersen.
4. Visit to Bull Testing Station at Sundsgaord, FYN., Oct. 31, '52.
5. Discussions with members of the National Animal Husbandry Research Institute and Danish representatives at the O.E.E.C. conference in Denmark from October 27 to November 1, 1952.

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