



SOURIS EXHIBITION ATTRACTIONS

The handicraft exhibit at the Souris Exhibition was outstanding. The quilts on display. Barbers Film Lab.

Rural Agricultural Fair Yesterday At St. Georges

Nine years ago, the St. Georges 4-H Calf Club was organized by Mr. S. C. Wright, Deputy Minister of Agriculture for this Province and since that time this club working in co-operation with the St. Georges Junior Farmers have developed an expanding Rural Agricultural Fair, which is one of the old types of Agricultural Fairs and is the last of its kind now operating in the St. Georges area.

This year, the St. Georges 4-H calf club members purchased eight pure bred Ayrshire calves which is just one of the indications of their progressive spirit.

The Ayrshire cattle entries this year were judged by Mr. Earl Ings, Mr. Herbert, the Horticultural and Field Crops entries by Mr. Bruce MacLaren, Experimental Farm and the Handicraft Products by Mrs. Maylea Manning, Department of Agriculture.

The unavourable weather did not dampen the spirits of the 4-H club members who exhibited a strong entry of eleven Ayrshire calves, in addition to yearlings and 2-year-olds.

The Achievement Day was supervised by Mr. R. A. Pierce, Kings County Fieldman.

Following are the results of the judging:

Calf Class - 1. James Morrison, 2. Clara MacLellan, 3. Wm. Morrison, 4. Gerald Johnston, 5. Laura MacLellan, 6. Louis Campbell.

Miscellaneous Shower

Mr. and Mrs. Homer Campbell, the former Anna MacLaren whose wedding took place on Monday, September 5, were honored on Wednesday, August 31, when members and friends of the Church of Christ, Montague met at the home of Mr. and Mrs. Donald MacQuarrie, Roseneath, and tendered them a miscellaneous shower in honor of their approaching marriage.

The young couple were received at the door and escorted to the beautifully decorated chairs by Mrs. Ralph Beck, Mrs. Malcolm Beck, Mr. Preston Beck and Mr. E.W. Beck, to the music of "The Campbell's Are Coming".

The many lovely gifts were opened by Miss MacLaren, assisted by Miss Dianne Shaw while Miss Janet Campbell read the accompanying verses. Mr. Campbell expressed the appreciation of himself and his bride-to-be for the gifts and good wishes.

The program featured Scottish songs, accompanied by Miss Peggy Beck as Pianist, and Mrs. Ralph Beck with her piano accompaniment. Following lunch, a delightful evening closed with the singing of "For They Are Jolly Good Fellows".

Eastern Guardian BUYING TIMOTHY seed daily Fraser and Anear Feed Service

PROVINCIAL Plowing Match and Fair at Dundas Wednesday and Thursday.

Workshop Patterns by Ruth Wyatt Spoon

STEP BY STEP PATTERN 439 The piece sketched above was from a small living room where there was a great deal of everyday living. The family's needs required space for a few books as well as those little things of daily use. The best wood that could be afforded was 1/4-inch plywood. This job was strictly utility. Yet the design could be in the neatest class if made carefully from solid stock in one of the fine grained cabinet quality woods. The curves and all irregular shapes are traced from the pattern to the wood ready for sawing. Copy of pattern 439 will be mailed for 35c. The Home Workshop Department, The Guardian, Charlottetown, N.S.

Routine Business Last Night At Montague Town Council Monthly Meeting

Routine business was transacted at the regular meeting of the Montague Town Council last night.

Mayor B. H. Yeo presided and present were: Councillors Nicholson, Greene, McGowan and Climen.

Following the reading of the minutes, the correspondence was read, and included a letter from Crown Assets Corp., respecting the re-advancing for disposal of the old Montague post office.

Some discussion took place regarding re-routing loaded gas oil trucks, and the clerk was instructed to carry out further correspondence with the Department on the problem.

The question of parking vehicles on Saturday night was recognized by the Council as acute and one requiring serious consideration. Several avenues to the solution of this problem were discussed and further consideration will be given to it at another meeting.

The presence of water on the approaches to the new bridge was determined by the council to be an annoyance, not only to motorists, but particularly to pedestrians. It was decided that this question would be further considered in the near future.

Councillor Nicholson stated that a new engine had been purchased and further discussing the fire protection of the dam at the Burnt Bridge was under serious consideration at this time.

The financial committee brought in the list of delinquent tax payers which is to be published next week. It was also decided to include the names of delinquent tax payers who have connected to the town sewer, and who have neglected to pay this sewer tax.

The meeting then adjourned.

(Continued from page 1)

Sees Economic

Worked together to reverse the trend whereby the Atlantic Provinces will again become exporting provinces and so improve the economic and social status of our people.

We know too little about our economic potential. There is a great deal of generalities with little factual data, but certain facts are apparent with their solution abstract. We need facts both to assess our real assets and to know the solutions to our problems which are economically feasible.

Provincial Government Agencies (working separately), the Railways, Boards of Trade, Business Institutions, Canadian Manufacturer's Association, Canadian Chamber of Commerce, Banks, Maritime Transportation Commission, Colleges, etc. all have a lot of data available, but it has not all been brought together in one great file studied by a group of men from all four provinces with the purpose of using this fund of knowledge to further the social and economic life of the Atlantic Community of Provinces as a whole.

Let us study a few facts that we already know.

"The Maritime Provinces (three original) have no frontiers to open up, no great northlands with huge areas of untapped and unknown wealth - all seven other provinces have."

The Atlantic Provinces are to all intents and purposes five separate islands Newfoundland, Prince Edward Island, Cape Breton, Nova Scotia, which is practically an island with a bridge, and New Brunswick as Maine could be called an economic sea thus making New Brunswick almost an island. Islands have their peculiar difficulties of communication and frontiers.

The markets of the Atlantic Provinces should be South for the flow of trade should be north and south along the Atlantic coast, but political boundaries and economic barriers have been set up which preclude this natural commerce and political ties demand the flow shall be east and west through vast areas of space with its inherent expensive transportation problems.

The Atlantic Provinces are not blessed by nature with great natural water power which could produce great quantities of cheap electric energy, which in turn could attract heavy industry and increase

the pre-heated ladle was filled with the correct amount of melted iron. A specially designed carriage moved the glowing ladle to the melt shop. There an overhead crane picked it up, and placed it above the monstrous odd, pear-shaped steel vessel, that extended from the concrete floor to the girders at the ceiling, and was being rocked metal and forth, distributing scrap metal about within its brick-lined interior.

The ladle was tipped slowly and as the contents were poured into the molten iron illuminated the whole building. When the ladle was empty, the pear-shaped vessel came upright directly under an overhead pipe, which removed the smoke and heat through a dust collector.

Then down from this duct above the vessel a hollow "lance" was lowered. This admitted the pure oxygen under high pressure, and directed it against the surface of the metal at 500 degrees F. This oxygen, released at supersonic speed from the lance, produced a high pitched scream similar to the sound of a jet aeroplane.

Everything was obscured as flames burst from the top of the vessel. The first "heat" was on, and as it continued the flames at the top grew brighter and more dense. In about 20 minutes the oxygen was turned off, stopping the white, and the lance was withdrawn. The molten mixture then registered 3,000 degrees F. The steel was poured into molds, and later the molds were "stripped" from the ingots as they cooled. The extensive tests that followed showed that the oxygen method had produced high quality steel.

The advantages of this method are: There is no cost for expensive fuel, and steel was produced in less than an hour, while the open hearth furnace takes from 8 to 13 hours.

In 1952 Canada mined about 4,900,000 tons of iron ore. Her requirement of steel was 6,000,000 tons in 1953, when she produced 4,700,000 tons. Today Canada is in short supply of needed steel. We were told that because of this the much needed ferry for the Wood Islands-Caribou route will not be completed for two years.

We trust that the new oxygen process may indicate a new trend in Canadian steelmaking, and that we may have more and better steel to help build Canadian industry.

NEWSY NOTES

By J. A. Clark, D.S.C.

"OXYGEN STEEL" A brief story of the origin of steel, the advent of the steel age, the Bessemer process and Canadian steel companies was published in Newsy Notes on November 29th, 1952. It mentioned that the Chalybes, famous iron workers of the Black Sea, invented a way of changing iron into steel five centuries before the Christian era, but that the Medes and Persians probably made steel earlier still.

Steel is a material capable of cutting and shaping almost every other substance known to man. It can be modified in hardness so that it will easily cut and otherwise shape itself. It is composed of iron and carbon, the latter being present in very limited percentages. The greater the proportion of carbon present, the greater will be the hardness, brittleness and fusibility of the steel.

Were it possible to secure pure oxide of iron ore and a nearly pure carbon, such as wood charcoal, then the manufacture of fine quality steel would be simple and easy. With these materials steel can be made in fireclay crucibles; the carbon of the fuel combining with the iron as it is melted from the ore. Because of the scarcity of pure iron ores and the high cost of charcoal, very little steel is made by that method.

Among the improved methods in steel making, there was the Bessemer process in 1855, the Siemens-Martin open hearth process in 1870 and the Electric Furnaces invented by Sir William Siemens a few years later; Thomas and Gilchrist invented the basic process. These all have been improved upon by others, and the development of coke ovens in connection with the making of steel has greatly increased the production of this essential commodity and shortened the time required to process iron in making steel.

It was learned during World War II that the Germans had a secret method of making steel from molten pig-iron by removing its impurities by the use of a jet of pure oxygen under high pressure. This method, known as the "basic" process, is called the "oxygen method" as it is called by chemists, because of the impurities of the iron by the tremendous amounts of intense heat generated when the pure oxygen is forced into the molten white hot pig-iron.

Canadian steelmen were greatly interested in this new development in steel making. They recognized the fact that if the method worked, it would be a radical improvement over any process previously employed. The open hearth furnace process, in general use, transforms some 90 per cent of the pig-iron melted in blast furnaces, into steel. This method has two outstanding advantages: It requires very large quantities of expensive fuel and allows nitrogen to be absorbed from the air and unite with the molten metal.

Representatives of the Dominion Foundries and Steel Company believed that both of these disadvantages could be overcome by the oxygen method; and by the use of pure oxygen there would be no chance of nitrogen from the air uniting with the molten iron. They visited an Austrian Oxygen-steel making plant, and their company secured Canadian manufacturing rights.

Last fall their Hamilton oxygen plant was ready for their first test. They had constructed a machine that sucked up 9,600 cubic feet of air per minute, cleaned it by extracting its dust, nitrogen, water and carbon dioxide, so that they secured 99.5 percent pure oxygen, which was stored under high pressure.

In this process the carbon dioxide was absorbed by passing the air through a spray solution of caustic soda. The water was removed by filtering the air through dry caustic soda. The air was then liquefied and boiled to remove nitrogen and other gases. The pure liquid oxygen was then changed to gas, compressed under high pressure and stored.

To a new building in Hamilton, Ontario, the first batch of molten pig-iron was conveyed in a hot metal car to the new oxygen vessel plant on September 12, 1954. As the cylindrical hot metal car began to tip its load, the whole area was lit by a red glow from streaming tons of melted iron, as

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LITTLE SANDS WEST

Miss Mary MacLellan, teacher, Wood Islands East, attended the Teachers Convention in Charlottetown.

Mrs. Addie MacConnell was a house guest of Mr. and Mrs. Everett Jenkins, Cherry Valley. She also visited her daughter in Millview, and friends in Mt. Mellick and she attended a shower in Pownal Hall for Mr. and Mrs. Elvert Penny.

Miss Jean Ann MacMillan returned to her home in Montreal after spending her summer holidays with her grandparents Mr. and Mrs. Everett Jenkins, Cherry Valley.

The many friends of Mr. Lemuel MacLean, Little Sands, are sorry to hear that he has entered the P. E. I. Hospital for treatment. All wish him a speedy recovery.

Mr. and Mrs. H. P. Smith, Pownal spent the weekend in Halifax, N.S. guests of their son and daughter-in-law, Mr. and Mrs. James H. Smith.

Mr. and Mrs. Elvert Penny, Charlottetown, were guests of Mr. and Mrs. Everett Jenkins, Cherry Valley.

Sgt. David Blake Livingstone and son John returned to Hamilton, Ont. after visiting his grandmother, Mrs. Addie MacConnell, Wood Islands, East.

Mr. Orin White and Mr. Stuart MacMillan who left Wood Island East recently, are employed in Kingston, Ont.

Mr. Ted Crane, Millview, spent Sunday in Wood Islands East, guest of her mother, Mrs. Addie MacConnell.

Miss Marilyn Smith, Pownal, was visited by her grandparents, Mr. and Mrs. J. E. MacEachern, Cherry Valley.

Mr. and Mrs. Floyd McLean and Master Haddon McLean, Kingsboro, spent the past weekend with Mrs. McLean's parents, Mr. and Mrs. Sam E. McLeod, Uigg.

Misses Marilyn and Blanche Williams returned to Newton, Mass., after spending their holidays with their grandmother, Mrs. Wilfred McLean, Kingsboro.

Miss Alma McLean who had spent her holidays with her mother Mrs. Wilfred McLean, Kingsboro, left on return to Newton Centre. She also spent several weeks in Maine.

Mrs. Kermit Bruce and two children of South Lake spent a few days with Mr. and Mrs. Lloyd Darrach, Port Hill.

Mr. and Mrs. E. P. Gunn and daughter, Dorothy P. Gunn, Everett, Mass., left on return August 17th having spent the past two weeks with relatives in Kingsboro, Red Point, East Baltic, Howe Bay and Rollo Bay.

Mr. and Mrs. Peter Cameron, Charlottetown, were recent guests of Mr. and Mrs. Fred Rose, Red Point.

Mr. and Mrs. Chester McNeill, Red Point, attended the funeral of the late Mr. Charles Clay at Bridgetown on August 21.

Mrs. Harry Harris, East Lake, visited with her daughter Linda who is making good progress in the Charlottetown Hospital.

Mrs. Miranda Garrett, Bothwell, spent some time visiting with relatives and friends in Charlottetown.

Mr. and Mrs. Frank Rose left on return to Ontario having spent their holidays with relatives and friends in Souris and Red Point.

Mr. Joseph Fay, East Baltic spent a few days in Nova Scotia on business.

Mr. Alna Ching, Red Point, made a good improvement in painting the new exterior extension and cloak rooms in the school which had been built on during the past few years.

Miss Audrey Robertson, Forest Hill, spent the weekend at her home in Red Point.

Mr. and Mrs. Alfred Sorrey and three children of Montague, were recent guests of Mrs. Sorrey's parents Mr. and Mrs. Ralph Robertson, Kingsboro.

Miss Pearl Stewart, Bothwell, visited recently with Mrs. Carrie McVane at the P. E. I. Hospital.

The many friends of Miss Mildred Fraser of Souris, will be sorry to learn that she is in a hospital in Halifax.

The Red Point school opened on August 16th with the teacher Mrs. Florence McLean, Kingsboro. Miss Annie Kennedy, Charlottetown spent a few days at her home in Kingsboro.

Mr. Joseph McVarish of Matheson and McMillan, spent the weekend at his home Lake Verde.

Mr. and Mrs. Chester McNeill, Red Point, were recent visitors with Mr. Walter Hayden, Mr. and Mrs. Sandy McSwain and Mr. Gordon Hayden, Greenwich.

WAR GRAVES FILM

Shown by Mr. Vic Sanderson - In - CLOVER CLUB SUNDAY AT 8:30 P. M. All members are invited. Sponsored by Charlottetown Branch Canadian Legion B. E. S. L.

CAPITOL TODAY - WED. - THUR.

NOW! FOR THE FIRST TIME! MORE THRILLING THAN EVER ON OUR GIANT WIDE SCREEN!

Advertisement for the movie 'DUEL in the SUN' featuring Jennifer Jones and Gregory Peck. The ad includes a large illustration of a man in a military-style uniform and a woman in a period dress. Text includes 'Savaqueri Spectacle!', 'The Standard', and 'DAVID O. SELZNICK the Producer Who Gave us "GONE WITH THE WIND"'.

THE STARS SHINE BEST - - - AT THE DRIVE-IN SHOW!

Advertisement for a drive-in show at North River. It features a graphic of a drive-in theater and lists the showtimes: 7:45 p.m. and 8:15 p.m.

TODAY and TUESDAY

Take it from us - - - "TROUBLE ALONG THE WAY" is one of the swellest, laughing-est pictures to come your way!

HE'S BACK WITH A WAYNE-SIZE BADGE!

He's a rarin' trouble-hunting' he-guy - - - with a she-gal who puts a fightin' gleam in his eye! There's nobody like Wayne in a story like this - - - and there's NEVER been a story you've liked more!

JOHN WAYNE DONNA REED CHARLES COBURN

"TROUBLE ALONG THE WAY"

- COMEDY - CARTOON -

Advertisement for Mayfair Theatre. It features a graphic of a man and a woman and lists the showtimes: Murray River - MONDAY - TUESDAY. The main attraction is 'Tonight's the Night' with David Niven, Wonne De Carlo, and Barry Fitzgerald. It also mentions 'The 3 Most Deliciously Wicked People You Ever Met!'.

GIGANTIC SHOE SALE

Fit-Rite Shoe Co. Ltd.

WED. - THUR. - FRI. - SAT. SEPT. 14-17

THIS PROMISES TO BE THE LARGEST SHOE SALE THIS STORE HAS EVER HELD.

20% OFF ENTIRE STOCK RACKS AT SPECIAL PRICES

Table listing shoe prices for Women's, Men's, and Boys' shoes. Women's shoes: 1 Rack Medcalf \$4.95, 1 Rack Girls \$2.98, 1 Rack High Quality SHOES 1-2 PRICE. Men's shoes: 2 Racks \$2.95, 1 Rack \$3.95. Boys' shoes: 1 Rack \$1.98.

AND MANY VALUES TOO NUMEROUS TO MENTION SALE OPENS WEDNESDAY, SEPT. 14TH AND CONTINUES UNTIL SATURDAY, SEPT. 17TH.

FOR THE CONVENIENCE OF OUR CUSTOMERS OUR STORE WILL OPEN AT 8:30 A.M.

PRINCE EDWARD TO-DAY and WED.

Advertisement for the movie 'The Prodigal' featuring Lana Turner and Edmund Purdom. It includes a graphic of the two main characters and text: 'M-G-M's MIGHTY COLOR AND CINEMASCOPE SPECTACLE', '2 YEARS TO MAKE! A FORTUNE TO PRODUCE!', 'The Story of Woman's Beauty and Man's Temptation', 'ADULT Shows 3:30 7-9', 'EXTRA! SOUTHBOUND DUCKLIN' - IN CINEMASCOPE -'.

Advertisement for Aspirin. It features a graphic of a man and a woman and text: 'To stop a headache use ASPIRIN', 'ASPIRIN MEANS FAST RELIEF!', 'IT'S READY TO GO TO WORK IN TWO SECONDS!', 'A BAYER PRODUCT', '12 tablets 19¢', '24 tablets 29¢', '100 tablets 79¢'.