

# THE EDUCATIONAL HORIZON

## A SATURDAY FEATURE

PRESENTING NEWS AND VIEWS OF INTEREST TO TEACHERS, AND ALL OTHERS SEEKING IMPROVEMENT IN EDUCATION

### "A WORD FROM THE PRESIDENT"

By this time, you have, no doubt resumed your labours in the classroom.

It is the hope of the executive you gained something from the convention especially from the group instruction, shall I say, something practical. It was encouraging to note the large attendance at all the sessions. Roughly it much have been twenty-five better than former years. Too we received many favorable comments concerning the convention in general and also many suggestions for next year but we expect a lot more.

I earnestly solicit your suggestions. Send them to the General Secretary some time during this year.

You will recall that at the convention "The Education Forum" was mentioned and your help was earnestly solicited when the meeting is being held in your district. I'm not a member of the committee who works on this particular phase of our work, but judging from without, I think I can safely say, that those meetings will get under way in the course of a

few weeks, so kindly be on the alert.

The object of those meetings is struggling to elevate the standards of education in our province. In other words it is the object to make the people education conscious. This is a grave problem and one that requires the efforts of all of us, but it can be accomplished by thought, by effort, by perseverance. Were this attained we would have better trained teachers, better paid teachers, better schools and also better facilities for work and too the problem of sanitation which today in most of our schools is in a deplorable condition, a shame, would be improved 25 p.c., 50 p.c. or shall I mention the word perfection 100 p.c. Those are only a few of the things they are attempting to do, but it requires the efforts of all teachers and a great effort must be made and perhaps we accomplish very little but let us not grow discouraged but with our shoulder to the wheel, and heads up on to duty!

### THE UNKNOWN TEACHER

And what of Teaching? Ah, there you have the worst paid and the best rewarded of all vocations. Dare not to enter it unless you love it. For the vast majority of men and women it has no promise of wealth or fame, but they to whom it is dear for its own sake are among the nobility of mankind.

I sing the praise to the Unknown Teacher! Great Generals win campaigns, but it is the unknown soldier who wins the war. Famous educators plan new systems of pedagogy, but it is the unknown teacher who delivers and guides the young. He lives in obscurity and contends with hardship. For him no trumpets blare, no chariots wait, no golden decorations are decreed. He keeps the watch along the borders of darkness, and makes the attack on

the trenches of ignorance and folly. Patient in his daily duty, he strives to conquer the evil powers which are the enemies of youth. He awakens sleeping spirits. He quickens the indolent, encourages the eager, and steadies the unstable. He communicates his own joy in learning, and shares with boys and girls the best treasures of his mind. He lights many candles which in later years shine back to cheer him. This is his reward.

Knowledge may be gained from books; but the love of knowledge is transmitted by personal contact. No one has deserved better than the Unknown Teacher No one is more worthy to be enrolled in a democratic aristocracy, "King of himself and servant of mankind." Henry Van Dyke, The Education Review, N. B.

### TEACHING IS NOT TELLING

The mind like the body, grows stronger by exercise, and the best and most profitable exercise is that which the child gets from his own work. The teacher as the child a great wrong in doing his work for him. The more a pupil does for himself the greater will be his self-defence and the more thorough his mental discipline. As well might we expect a child to grow physically strong if continually carried in the nurse's arms, as expect him to grow mentally strong while receiving the constant help of the teacher. It is what the child does for himself that strengthens his mental

facilities and fits him for his subsequent work.

The pupil should not be permitted, however, to waste time in wrestling with difficulties beyond his strength. He should have no direct help in doing that which he can do for himself, but to permit him to waste in attempting to solve problems beyond his comprehension. When the teacher once discovers that the child is unable to overcome a difficulty, it is then time for him to give such suggestions as will start a proper train of thought in the mind of the child and thus enable him to win a victory.

### BAUXITE

Out of bauxite, a kind of clay, found in the United States, France and British Guiana, the chemist has made aluminum. It is one of the most important metals for wartime uses. Aluminum alloy is almost as strong as some grades of steel, yet with one-third the weight of steel, which makes it fine for airplanes. More than 60

per cent of the net weight of an airplane is aluminum alloy. In France it is found at Les Baux, S. E. France (whence the name), Antrim, U. S. A., India, and elsewhere. From it aluminum is extracted in the very high temperatures available in electric furnaces at Niagara Falls, L'Arge-tiere (France), Kinlochleven (Scotland).

### ALUMINUM

One of the most useful features of the electric arc furnace is that it will not only melt up a substance but will actually separate a pure metal from its native compound. Aluminum is made in this way. This silver metal, so astonishing light is produced by fusing a mineral substance called bauxite by the heat of an arc-furnace burning in a crucible. As the aluminum separates from the bauxite it makes its way to the

bottom of the furnace and can be run off. Electricity therefore not only melts the mother ore, but collects the metal from it in the highest state of purity at present known to the chemist. Aluminum does not oxidize or tarnish like most metals, when exposed to dry or moist air, and neither hot nor cold water has any effect on it. In 1879 a pound of aluminum cost about \$20.00 now it is worth from 35 to 40 cents.

### BISE

It is a cold, dry, north wind and N. E. wind which flows in S. France (Rhône Valley) and Switzer-

land. It is often accompanied by heavy cloud, and it shrivels vegetation.

### ARTESIAN WELLS

They are wells bored to reach underground water which either rises by pressure or is pumped to the surface. Such wells may be as much as 5000 feet deep. The water varies in warmth according to the depth from which it rises. One deep well in Queensland, Australia, yielding water nearly boiling hot. Artesian water may also be either fresh or saltish; when pure it

can be used for domestic, industrial, and agricultural purposes, but it is sometimes too saline for irrigation of crops. Numerous wells have been sunk in Australia, the Sahara, U. S. A., etc.; the oldest known in Europe were in Artois (France), from which the name artesian is derived.

Be that which you would make others.

### CURRENT EVENTS

Premier of China is Gen. Chang Chun.

The Ambassador to the United States from India is Asst. All. Canada's High Commissioner to Australia is Kenneth Alfred Greene. Canada's Ambassador to Mexico is S. D. Pierce.

Canada's Minister to Switzerland is Dana Wilgress.

Canada's Minister to Norway and Denmark is Dr. Henry Laurier.

The United States Secretary of State, General George Marshall attended the Foreign Ministers' Conference in Moscow.

The Viceroy of India is Admiral Viscount Louis Mountbatten.

Denmark's New King is King

Frederik IX.

The "Bombshell" set a world's record flight, when it made a tour of the world in 78 hours, 55 minutes, and 12 seconds.

Frederick Philip Grove won the Governor-General's award for Creative non-fiction.

The Pacific Islands The Netherlands East Indies are now on their way to forming an independent nation. (The United States of Indonesia).

The only country of North and South America not a member of the Pan American Union is Canada.

Generalissimo Franco has announced that he may re-establish the monarchy in Spain.

### BLISTER BEETLES (Control)

Arsonal sprays and dusts are not effective against these insects. On the other hand, dusts composed of barium or sodium fluosilicate diluted with six parts of low grade flour give satisfactory control. An application of either of these poisons should be made when the beetles first appear and repeated applications made if and when necessary. As the insects are known to be attracted to sweet

clover bloom, susceptible crops must be carefully watched about the time the clover blossoms dry up, since migration to other hosts frequently takes place then. A second application of poison may be necessary at that time. In small gardens or field plots, spraying the beetles with one of the standard pyrethrum preparations is a very effective method of control. Barium and sodium

fluosilicate are poisonous to man beings and live stock but harmless to both.

### THE POTATO FLEA BEETLE

The potato flea beetle, a tiny insect which commonly passes unnoticed, frequently causes severe injury to the foliage of potatoes by eating small round holes through the leaves. In severe cases, infestation the holes become sufficiently numerous to cause browning and death of foliage. The beetle itself is only about one-sixteenth of an inch in length and is black with brown legs. It is able to jump very actively and due to this habit, is elusive and difficult to see.

The adults feed readily on a wide range of vegetables and weeds, the larvae living in the soil where they attack the roots. In the case of the potato, the tubers are sometimes attacked, resulting in the formation of small, brown, corky areas. In some instances these are flat or slightly sunken, in other cases definite depressions or tunnels into the flesh are formed while, less frequently, tiny pimples are produced. The faintly brown, corky tissue is evident, however, under all circumstances. If these areas are cut through, it will be found that usually the corky tissue is projected into the flesh in the form of a fine silver-like structure.

### THE POTATO LEAFHOPPER

The potato leafhopper is a small, green, very active insect, found commonly on the under surfaces of potato leaves. It feeds by sucking the juices out of the foliage, causing it to change in colour from dark to pale green and, in severe infestations, to yellow. Frequently the margin and tips of leaves attacked by these insects turn brown and in cases where the insects are very abundant defoliation takes place. The larvae resemble the adults in colour and shape but are wingless and, except when fully grown, are considerably smaller in size.

rich soil heavily manured; (3) should be dug in the fall and be well broken up. Wood ashes and leaves mixed with manure is especially good for garden crops. Winter vegetables: Rhubarb, asparagus, Hardy spring vegetables: Onions, radish, lettuce. Tender vegetables: Tomatoes, cucumber, beans. Plant in rows rather than beds.

All fruits grow above ground on the branches of plants and contain seeds. Fruit supply the body with "nutritional minerals."

Small fruits include the berries and currants. Fluted fruits—Cherries and plums. Citrus fruits—Lemons, limes, oranges, grapefruit.

Quadrupeds are four-footed animals. Some are herbivorous (living on plants: horses, sheep and cattle); some, carnivorous (living on flesh): wolves, foxes; omnivorous (living on both plants and flesh): pigs.

### PROVINCIAL DEVICES

#### Quebec

The province of Quebec has two fleur-de-lis on a golden ground in the upper part of the shield. They remind us of the French origin of the province. In the middle third is the lion of England on a red ground. In the lower portion we see Canada's own symbol—the maple leaves on a golden ground.

#### ONTARIO

We find maple leaves on the Ontario shield also, but here they are golden autumn leaves against a green ground. The upper part of the shield, has the cross of St. George on a silver background.

#### BLOOD

Blood is a liquid tissue, of great importance to the body. Its condition is an important index of what is going on in the body, since all organs are supplied by it. Blood tests are important in diagnosis. The volume of blood in the body is about five or six quarts, depending on the size of individual, and about one-thirteenth of body weight is due to blood. Some of the functions of blood are: (a) Carrying food from digestive tract to cells. (b) Carrying oxygen to cells. (c) Carrying wastes to kidneys for excretion. (d) Carrying hormones to all parts of the body. (e) Equalizing temperature in body and helping to eliminate heat. (f) Acting as a defense against injurious agents.

#### MANITOBA

Manitoba has the red cross of St. George on a silver shield. Below, a buffalo stands on a rock. The animal is brown and the rock dark gray. While the ground is green. The buffalo was once a familiar sight on the prairies.

#### NITRATE

Nitrate, the commercial contraction for nitrate of sodium, potassium, or calcium. Nitrate of soda (caliche), a product of the Atacama Desert, (Chile Saltpetre) is used as a fertilizer, and in the manufacture of glass, soap, and nitric and sulphuric acid. Nitrate of potassium (potash)—used in making of gunpowder, glass, etc., is largely produced from the deposits at Stassfurt (Germany). Calcium nitrate, or lime saltpetre,

#### NIPS TRAGEDY

LONDON (OP) — Tests with fluorescent lighting in mines proved so successful that the national coal board plans to install them in selected pits. This will overcome danger of explosions that hampered the development of electric lighting in mines.

#### WHERAS

WHEREAS upon reading the petition on file of Gerald Handrahan of Tignish aforesaid, Store Manager, the Executor of the above named Estate praying that a citation may be issued for the purpose hereinafter set forth. You are therefore hereby required to cite all persons interested in the said Estate to be and appear before the Judge present at a Probate Court to be held in the Court House in Charlottetown in Queens County, in the said Province, on Tuesday the seventeenth day of June next coming, at the hour of eleven o'clock forenoon of the same day to show cause if any they can why the said Estate should not be passed and the Estate closed as prayed for in said petition and on motion of Chester P. McCrathy, Esq., Proctor for said Petitioner.

#### PRINCIPLE OF LEADERSHIP

A leader in a democracy must first of all be intelligent to the degree of being able to master the forces of contemporary society and to be able to direct them toward the desired goals of that society. He must possess outstanding qualities of character and integrity, because in his capacity of representation he is working not for self alone but for many thousands of other citizens.

Youths are hero worshippers. If leaders do not set right pattern they will follow in wrong.

A leader, therefore, cannot be a mere follower of the opinion of the masses but he must assume the responsibility for the creation of the right opinions of the masses and help them to make the right choice.

#### THE STORAGE OF FOOD IN PLANTS

1. Some plants store food in roots. Dandelion, carrots, clovers, beets, turnips, peonies, and many others store food in roots.

2. Some plants store food in the stem. Cacti, many trees, shrubs, potatoes, cactus, store food in stems.

3. Some plants store food in leaves. Daffodil, onion, hyacinth and cabbage.

4. Plants that store food in seeds.

#### THE LOYALIST

In Upper Canada they were composed mainly of the officers and men of disbanded Loyalist regiments and numbered with their families about five thousand in all. They took up land and made settlements in the county of Glenora and founding the towns of Cornwall, Prescott and Brockville.

#### ERRORS IN ENGLISH

place or position: Stationery, writing materials in general.

Party, person: Except in legal terminology, person is preferable; party means, in general, an entertainment. In the legal sense, party is a person (or a body of persons collectively) who take a certain

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Yes, Wholesome, Pure, Delicious Brown-Holder Maritime Maid cakes, cookies and sodas are all made right here in the Maritimes. They're good — made from the best of local products. They're fresh — baked daily and rushed from nearby ovens direct to your grocer. And they save you money — the larger the number baked, the less each costs. And best of all — Maritime made products point toward post-war jobs.

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100 acre farm, 85 acres under cultivation, remainder wood and lumber. Large house and barns. No mustard. Good potato farm. Near school.

Apply:—

**ARNOLD NEILL,**  
North Milton

**FOR SALE**

I offer for sale by farm, situated at New Glasgow Village, consisting of 97 acres, 80 acres under cultivation, balance wood. With good dwelling house and out buildings.

For further particulars apply

**STEWART PARKMAN,**  
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P. E. I.

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50 acre farm, including good stand of lumber.

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C. R. McQUAID,  
Solicitor.

**VALUABLE PROPERTY FOR SALE**

**UPTON FARM**  
Owner, Dr. J. S. Jenkins

Comprising about 175 acres with buildings situate on shore of North River about four miles from Charlottetown.

Apply to:—  
H. F. MacPHEE, Solicitor,  
Riley Building  
CHARLOTTETOWN

**AUCTION SALE**

ESTATE OF MARY JANE (ARSENAULT) GALLANT  
133 KENT STREET, CHARLOTTETOWN

There will be sold by Public Auction on the premises on

FRIDAY THE THIRTIETH DAY OF MAY A.D. 1947  
AT THE HOUR OF 12:30 P.M.

The real estate of the above estate consisting of one large brick building, the premises having a 42 foot frontage on Ken Street and running back approximately 200 feet. Present rental from commercial occupants, \$55.00 per month with ten room which may be rented on a transient basis.

FREDERIC A. LARGE,  
Executor of Estate Mary Jane Gallant

W. H. BEATON,  
Auctioneer.

**AUCTION SALE**

OF DOUBLE-TENEMENT PROPERTY NOS. 214-216  
DORCHESTER ST., WEDNESDAY, MAY 21, AT 12:30 P.M.

12-room house, 6 rooms on each side, running water, sewer age, electric lights, concrete cellars. Frontage of 42 ft., depth 80 ft. Both sides now occupied with good tenants. For further information call

W. H. BEATON, Auctioneer.

**AUCTION SALE**

AT LONG CREEK

ON MONDAY, MAY 19TH AT 1 P.M.

STOCK:—1 draft horse; 1 driving horse; 3 cows (milking); 2 cows (not milking); 4 heifers (2 years old); 4 (1 year old); 2 calves 2 weeks with litters; potato sprayer; bike sulky; quantity of hay on grain.

TERMS: Seven months credit on approved joint notes. Farm rented—no reserve.

BRUCE MacLEAN, Owner.

WITNESS His Honour Harold Leonard Palmer, Judge of the said Probate Court at Charlottetown in Queens County, the day and year first above written

By the Court  
(L. S.)  
(SGD.) E. MARGARET PALMER,  
Registrar.