

THE EDUCATIONAL HORIZON

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

C.T.F. NATIONAL OFFICE REACHES FIRST ANNIVERSARY

In the January News Letter of the C. T. F. Secretary, Mr. Crossley reviews the past year's activities within the framework of the new National setup at Ottawa. Those words in quotation will be those of the Secretary Treasurer of the C. T. F.

"One of the most pleasant and most fruitful developments has been the close co-operation and personal contacts which have been established between the personnel of such national agencies as the Film Board and the Canadian Broadcast Corporation and the Canadian Teachers' Federation. These have resulted in greater efforts to focus the attention of the Canadian public on the problems of education and to bring about an appreciation of the difficulties and active support in overcoming them.

"The press of Canada has, on the whole, been most co-operative in publishing our programme and reporting our activities.

"At the national level, our profession has been honoured by the presence of Cabinet Ministers at our functions and the delivery on such occasions of addresses of outstanding quality.

"As we move forward to achieve our objectives and to bring the force of Canadian teachers' opinion to bear on national and international issues, we need unity.

"In calling for unity and a national spirit, we, at the same time, reaffirm the stand that the control of education shall remain with the provinces. The importance of convincing all concerned that the economic return to well-trained teachers who are entrusted with a large

SALARIES

The Ontario Secondary Teachers' Federation at its annual assembly in December arrived at the following salary objectives as a reasonable basis for Ontario Secondary Schools:

Toronto, Hamilton, Ottawa, Windsor, London \$4,800 as maximum for less specialists.

Other centres employing 20 teachers or over \$4,500; centres employing 4 or fewer teachers, \$3,500. Allowance for specialists' qualification \$200 extra; minimum salary, at least \$2,000. Annual increment, \$200.

Many schools have already given considerable increases, either by way of salary or of increments, which are usually \$200.

W.O.T.P.

The World Organization of the Teaching Profession at its 1949 delegates assembly will be one of unusual importance. Major questions of organization and structure will be settled for some time to come. There will be a discussion of national teachers' organizations: their purpose, structure, and work. A third feature will be a discussion on the ways in which education can help to make and preserve peaceful relations among nations. Canadian teachers make the eighteenth group of this W. O. T. P.

PUBLIC RELATIONS

All teachers' organizations carry on a very active campaign to keep the public and teachers cognizant of the vital work of education. Last month, we noted in this report that Saskatchewan had concluded a public education conference on the LaZerte Report on the Status of the Teaching Profession. The C. T. F. News Letter for the month of February gives a full account of the work being done by

THE MONTREAL STRIKE

The Canadian Teachers' Federation offered its services in any mediation that might help to bring the impasse to a satisfactory conclusion.

C.E.A. REPORT

The Canadian Education Association Information Service reports that Protestant School Boards in Quebec have now on hand 54 motorbuses. These are buses with motors at the back and skis or wheels at the front which can travel without difficulty through snow deep enough to hinder the progress of regular wheeled vehicles. During the school year, 1947-48, Nova Scotia increased its grants to education by almost one and a half million dollars.

In the same province curriculum

VOYABULARY DRILL

- Match the meanings below with the words above by insertion in the blanks.
- Incredible
 - Exhilaration
 - Ecstasy
 - Inevitable
 - Oration
 - Narcotic
 - Perpetrator
 - Assiduously
 - Compromise
 - Alibi
 - Panacea
 - Patrician
 - Placate
 - Veracity
 - Pedestrian
 - Facility
 - Purlieus
 - Charlatan
 - Asperity
 - Pyrotechnics
 - Vendor
 - Porturb
 - Harbinger
 - Raconteur
 - Penury
 - Augur
 - Parsimonious
 - Avantree
 - Placid
 - Speech
 - Intrinsic
 - Impossible
 - Deadener of pain
 - Gladden
 - Excuse
 - Unbelievable
 - Certain
 - To agree by each party giving way
 - Somewhat
 - Cogitate
 - Carefully
 - Great happiness
 - Deep rotted
 - Exuberance
 - Powerful
 - Truthfulness
 - Ease
 - Stingy
 - Greed
 - A cheat

- (x) Fireworks.
 - (y) Agitate.
 - (z) Please.
 - (aa) Descendants.
 - (bb) Seller.
 - (cc) One who walks.
 - (dd) Messenger.
 - (ee) Foretell.
 - (ff) Roughness.
 - (gg) Steal.
 - (hh) Malice.
- After each of the following sentences write "T" if the statement is always true, "F" if it is always false and "A" if it is true only in special cases.
1. An angle formed by two perpendicular lines is a right angle.
 2. A line parallel to one of two parallels is perpendicular to the other.
 3. If two perpendicular lines are cut by a transversal, the alternate angles are supplementary.
 4. An angle formed by two parallel lines is a straight angle.
 5. A line perpendicular to one of two parallels is perpendicular to the other.
 6. If two parallel lines are cut by a transversal, the interior angles on the same side of the transversal are equal.
 7. A line perpendicular to one of two perpendiculars is parallel to the other.
 8. If two parallel lines are cut by a transversal, the alternate angles are supplementary.
 9. If two lines in a plane have the same amount and direction of rotation from a transversal, the two lines are parallel.
 10. If two lines in a plane are cut by a transversal, the corresponding angles are equal.
 11. If the vertical angles formed by two intersecting lines are right angles, the lines are perpendicular to each other.
 12. If two parallel lines are cut by a transversal, the bisectors of either pair of corresponding angles on the same side of the transversal are perpendicular to each other.

TRUE OR FALSE

After each of the following statements write T if the statement is true; write false if the statement is false.

1. Elusion and illusion have the same meaning.
2. Factious means of or pertaining to fact.
3. Lenient and weak are synonyms.
5. Pair, pare and pare are not homonyms.

6. Canvas and canvass have the same meaning.
7. A casualty is also a fatality.
8. A reprisal is the same as a reprieve.
9. Gesture and gesticulation are synonyms.
10. Personal and personnel are pronounced alike.
11. Biannual and biennial have the same meaning.
12. The prefixes ante and anti may be used interchangeably.

DIPHTHERIA

Sore throat is usually the first symptom in patients over a year old. In very small children it is apt to be croup. In the latter there may be no patches showing, but in the former they can always be found in "typical" cases either on the throat itself, the tonsils or the palate—sometimes on all of them. Some cases look like simple tonsillitis. In naval cases discharge from the nose occurs which usually excoriates the upper lip and may be bloody.

Diphtheritic croup simply means diphtheria of the larynx. It is an exceedingly dangerous form of disease. Method of infection. Contact

with a previous case or carrier. Discharges from nose and throat contain infection. Milk may contain infection. Often spread through mild, unrecognized cases, or by persons harboring the germs of the disease, though giving no evidence of having had an attack of diphtheria carriers.

Isolation of Patient. Until two successive cultures from throat and nose at least 24 hours apart, the first taken not less than one week from date subsequent to last exposure of onset, contain no diphtheria bacilli; if diphtheria bacilli are present after 5 weeks from date of taking first release culture, case may be considered a carrier.

QUICKSILVER OR MERCURY

The only metal that is liquid at ordinary temperatures. It is a heavy tinny-white metal with a tendency to separate into globules. It amalgamates easily with other metals. Although mercury sometimes is found uncombined, the main supply for commerce comes from cinnabar (sulphid of mercury), a cochineal-red mineral, Spain, Austria and the United States have been the big producers, so far, of this metal.

The peculiarity of mercury compared with other liquids is that its molecules have a very powerful attraction for one another. This is the same attraction when water forms in drops. If we put a drop of water on a piece of blotting paper, the attraction of the surface of the paper for the atoms of water is greater than their attraction

for one another, and so the drop of water is broken up, and the water wets the paper.

But though a drop of mercury is a true liquid, it will not wet the paper. Even if it is split up it simply splits up into smaller balls or drops. This is because the molecules of the mercury have a much greater attraction for each other than they have for the surface of the paper.

Mercury boils at 357 degrees centigrade. As mercury in the tube will freeze at about 40 degrees below zero in the Fahrenheit thermometer, alcohol coloured red is used in the thermometer in extremely cold places. The alcohol thermometer cannot be used for temperatures above its boiling-point, which is 80 degrees centigrade.

THE FRENCH REVOLUTION

Absolutism in France and its overthrow: a despotic monarchy, the king was the state, he made the laws. No longer a parliament in France. Nobles and clergy were exempted from heavy taxes on land, a burden which fell heavily on the shoulders of the peasants. The great land-owners lived extravagantly at court, his interest in his tenants was purely mercenary; the extravagance of the king and the uneven taxation resulted in a huge deficit. The National Assembly met in 1789, to solve the problem, instead it brought on the Revolution.

The people were starving for want of bread, the harvest had failed and the government was bankrupt. The National Assembly passed the "Declaration of the Rights of Man." All men born free and equal: the People is the State and the Sovereign. The old feudal system and bad laws were completely abolished. "Liberty, Equality, Fraternity" was to be their watchword. A new Era—Democracy or the Rule of the People—had begun and the new ideas travelled rapidly throughout Europe.

Bastille was stormed July 14, 1789; Chateaux of nobles attacked and destroyed all over the provinces; September 1792, terrible massacres of people thought to be enemies of the Revolution. Louis XVI guillotined, followed by a reign of terror. Queen also guillotined. Extremists beheaded anyone who was suspected of working against the Revolution. The terror raged from September 1793 to July 1794; its leaders were Danton, Marat, and Robespierre.

THE HABITANT

He was given his farm by the seigneur and paid his rent yearly on Michaelmas in poultry, eggs or grain for his and for his frontiers. He was to work the land for the seigneur three days a year without pay. He must take his grain to the seigneur's mill to be ground into flour and for his service the seigneur retained one-fourteenth of the flour as a fee.

When a new habitant took possession, he paid the seigneur a tax of one-twelfth of the value of the acre on the river. His relations existed between them. This system was beneficial for a new colony because there was protection and help for all against enemies, cold and hunger.

Countless pamphlets were written about these new ideas of "liberty". The coffee houses were jammed with people listening to fiery speakers. The people were starving for want of bread, the harvest had failed and the government was bankrupt. The National Assembly passed the "Declaration of the Rights of Man." All men born free and equal: the People is the State and the Sovereign. The old feudal system and bad laws were completely abolished. "Liberty, Equality, Fraternity" was to be their watchword. A new Era—Democracy or the Rule of the People—had begun and the new ideas travelled rapidly throughout Europe.

THE RUNNABLE STAG

Note the movement of the poem. The whole poem suggests the galloping of a hunt, but certain sections show excited preparation, increased movement as the hunt gets close on the stag, renewed movement, less certain of success as the stag breaks away again. Try to spot these changes. You may have to read aloud several times to do so.

1. What time of year was it? Early autumn: "When the pods were pop—and apples began to be golden skinned."
2. Who were Tinkerman's Pup and Bell-of-the-North? The chief hounds.
3. Explain: The pace grew hot, for the scent lay well, and the

runnable stag goes right ahead. The hounds began to travel fast for the scent was heavy and easy to follow and a runnable stag picks the easiest road.

4. What happened to the stag? He made for the ocean and swam until exhausted then drowned.
5. What picture do we form of the stag? The picture is somewhat indistinct, but we know it was a large stag, swift of foot and with five horns.
6. Does the writer intend us to pity the stag? No.
7. Do you consider the ending satisfactory? Yes. The stag rather than be caught and killed by the hunters took his own life after making every effort he possibly could to preserve it.

HYGIENE

Suppose all the animals that have ever lived and died on the earth were lying about on the ground, what a horrible world this would be.

Nature has cleared away the dead, because nature cares only for the living. How does nature clear away dead creatures?

1. By flies, carrion birds and animals like the coyote and wolf.
2. By decay, which carries off dead stuff into the air, as water vapor and gas.
3. By the growing grass, which gradually covers the bones with sod.

Suppose that all the foul air that we breathe out, and all the smoke from our chimneys, stayed close about us! We should very soon be

unable to breathe any more, and so die of suffocation. How does nature prevent that? By the winds which blow the foul air away over the seas, and bring us a constant supply of clean, pure air.

The rain helps too, by washing the soot out of the air, by washing away rubbish and dirt from the hillsides, fields and roads; by washing dust off the buildings, the trees and the grass. Much of the earth's surface dust and rubbish is carried off by the rain into the streams, then into the rivers and on to the sea.

What about the old trees, the old leaves and the dead grass? The air carries off part of them, too, in vapour and gas, and what is left of them turns into the good black soil that you find in the bluffs.

JAPANESE BEETLE

These beetles with their gorgeous armour of green and bronze attack gardens, orchards and fields. This beetle begins its depredations in June and July. They eat the leaves of fruit of many cultivated plants including raspberries, blackberries, apples, cherries, corn, red clover, roses, elms, birches and oaks. When they have eaten all they need they lay tiny white eggs in the earth. When the grubs hatch out they eat roots. This does much damage to lawns during the late

summer. They spend the winter underground passing through the pupa stage.

Their native land is Japan. Here they are not a pest because they have natural parasites that prey upon them and because the Japanese practice such intensive cultivation, but in America they are a serious pest costing the farmers and gardeners much money by their destruction. A few of them were found in the United States in 1916. They became such a pest that the

80,000 Volumes In New Harvard Lamont Library

BY JAMES F. KING

CAMBRIDGE, Mass., Feb. 6—(AP)—Building a first class library from scratch sounds simple, doesn't it? Well, it isn't.

You need about \$1,000,000, a lot of scholarship, some detective ability and plenty of hard, head work.

A gift from the late Thomas W. Lamont, New York banker, made possible the new Lamont Library at Harvard College. Stocking it with 80,000 volumes was left to the college.

Harvard is placing emphasis in reading for recreation and study, rather than research.

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Culling undergraduate libraries at Harvard and editing the "Shaw list" of books for college libraries left only 40,000 to go in reaching the Lamont Library's aim of 80,000 books.

Research Secondary

The professors were then called in. They compiled their lists — always remembering research needs were secondary. The Widener Library filled the bill for research Harvard.

Scouting of second-hand bookstores in Boston, Philadelphia and New York led to 2,000 out-of-print books. The search continues for 3,000 others.

Sixteen per cent of the books in this new library — 5,888 of them — are on English and American literature; 4,993 on government and economics.

None of the natural science has more than 1,000 books in the library.

There are more books on religion — 1,284 — than on philosophy — 1,264.

The arts — classroom studies for some students but pastimes for others — see 1,377 books on music, 387 on architecture, 282 on the theatre. Only 370 concern Latin; 474 Greek.

Just moving the 80,000 books into the Lamont Library provided a back-breaking job.

Back in 1975, a professor packed up the entire Harvard College library alone and carried the books off to make room for General George Washington's troops.

Recover Bodies From Wreckage Of Crashed Plane

BARRIE, Ont., Feb. 6—(AP)—A seven-man salvage crew late today broke through metal fuselage with axes to recover the bodies of Mr. and Mrs. Jerry Castelli of Liberty, Pa., who died yesterday when their four-seated plane crashed on ice-covered Lake Simcoe, near here.

The privately-owned plane crashed in a blinding snow storm yesterday afternoon while en route from the Pittsburgh suburb to North Bay for a fishing trip.

Previous attempts to find the bodies were fruitless and police feared the couple, each about 45, had gone through the foot-thick ice. Parts of their plane had plowed through the lake covering, breaking surface near the wreck. Parts of the aircraft were strewn across the lake for 50 yards.

The salvage workers—including Ontario Provincial Police from two detachments and two department of transport officials from Toronto—bridged the thin ice surrounding the wreck with planks to reach the bodies by breaking into the fuselage.

First word of the tragedy came last night from Harry Wrigley, whose farm is about two miles from the crash scene. Wrigley, who with his brother guarded the wreck all night, told police he heard the plane thud onto the ice.

Department of Agriculture in the United States, after making a study of their life history, began to look for some natural enemies to help exterminate them. One of these enemies, which was found and introduced into these infested areas, is a two-winged fly and two other wasps. These insects lay their eggs in or on the bodies of the beetles, and the larvae that hatch out of the eggs eat the beetles and destroy them.

Farmers and gardeners are using preparations of arsenate of lead which are spread on lawns during the egg laying season to kill the grubs as they hatch.

Sprays used on the foliage do not seem to do much good, because the full-grown beetles will not eat unusual substance. This, of course will save the plants that are sprayed but it does not destroy the beetles.

This Department is conducted by the Prince Edward Island Teachers' Federation. Contributions are welcomed and should be addressed to Millar MacPeden, 813 Feilding St., Charlottetown.



Appoint Stuart Graham To I.C.A.O.

OTTAWA, Feb. 6—(CP)—Transport Minister Chevrier announced today the appointment of Stuart Graham, Government superintendent of air regulations, as Canada's delegate to the Air Navigation Commission of the International Civil Aviation Organization.

The new commission was formed from an air navigation committee established a year ago under I. C. A. O. Mr. Graham was its chairman.

Mr. Graham grew up in Windsor and Wolfville, N. S. He was a flyer in the First World War and later pioneered commercial flying in Canada.

BABY CHICKS AND POULTRY SUPPLIES

NOW IS THE TIME TO BOOK YOUR CHICKS. We are practically booked up for February deliveries, with the exception of a few lots. We can, however, make delivery, as yet, from MARCH hatches on. As we are hatching, mostly

from orders on hand at date of settings, we would advise booking at once.

POULTRY SUPPLIES: See our display of Chick FEEDERS, WATERERS — Coal, Oil and Wood BURNER STOVES—Brooder Stove PIPE, etc.

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