

# THE EDUCATIONAL HORIZON

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

### MATCH

- Photosynthesis
- Food-chain
- Food-web
- Yucca
- Trilobite
- Altimeter
- Vegia
- Lanital
- Culex
- Hydrophobia
- All the food chains of a community taken together.
- Manufacture of sugar in green plants.

- Aviator's barometer.
- A series of living things directly linked to one another by what they eat.
- A desert plant.
- A star.
- A fossil sea animal.
- The kind of mosquito.
- An animal disease.
- Casein wool, made from milk curds.

### CURRENT EVENTS

The Premier of Iran is Mohammed Mossadegh. The new King of Jordan is Prince Tallal. The Secretary of Defense of the United States is Robert A. Lovatt. The population of Japan is 84,000,000. The leader of the Viet Minh forces opposing the French in Indo-China is Hoang Chinh. General Dwight Eisenhower is Supreme Allied Commander in Europe. The Lieutenant-Governor of Saskatchewan is W. J. Patterson. Canadian High Commissioner to Britain is Dana Wilgress. Canada's External Affairs Minister is L. B. Pearson. The Premier of Pakistan is Khwaja Nazimuddin. The Prime Minister of Great Britain is Winston Churchill. The United Kingdom ranks second to the United States as an industrial nation. Locomotives, heavy machinery, steel, china, wool, and cotton textiles are among the principal manufactured products. Coal and iron ore are the chief products of her mines. The United Kingdom is popularly referred to as Great Britain. Actually Great Britain includes only England, Scotland and Wales, which occupy the largest of the British Isles. When Northern Ireland is included, as it is in governmental matters, the unit is known as the United Kingdom of Great Britain and Northern Ireland. The area of England, Wales, Scotland, and Northern Ireland is 84,205 square miles. The population is 50,000,000 people. Natural Resources. England has deposits of coal, iron ore, tin, copper, and lead; Wales has coal, slate, and lead; Scotland is chiefly noted for its water power. Northern Island has chalk and granite. Areas suitable for farming are found in all sections of the United Kingdom, particularly in England and Northern Ireland. Fish along the coasts are an important resource. The people are descended from tribes, such as the Celts, Angles, Saxons, and Jutes, who came to the islands in the 5th century. A. D., or earlier, and from the Normans who came in 1066. Sturdy, ambitious, and fair-minded, the British developed a legal system; they sailed to far-away lands during the 16th, 17th, and 18th centuries and they established a colonial empire that once "circled the globe". The farms do not produce enough to supply the country's needs, but agriculture is one of the United Kingdom's chief industries. The raising of livestock is important; wheat, barley and oats are among the leading crops. Government. The United Kingdom is a constitutional monarchy with a law-making body—a Parliament of two houses, and a King. The lower House, the House of Commons, is popularly elected and holds the actual governing power. The King is a highly revered symbol of government, but he has virtually no authority. General Jean de Lattre de Tassigny is the French commander in Viet Nam.

### COUNCIL OF STATE

Due to his illness, King George on September 27, signed a warrant appointing five members of his family as counsellors of state who would have the power to sign state documents on his behalf. The five are: the Queen; Princess Elizabeth; Princess Margaret; the King's brother, the Duke of Gloucester; and the Princess Royal, the King's sister. These five will act for the King during his illness.

### THE QUICKEST WAY OF FINDING THINGS

The length of the side of a square inscribed in a circle is found by multiplying the diameter of the circle by 0.707 and the result gives the side of the inscribed square. The diameter of a circle circumscribing a square is found by multiplying the side of the square by 1.414. To find the diameter of a circle, equal in area to a square, multiply the side of the square by 1.1284. To find the area of a hexagon, octagon, or any regular-sided

figure, take half the radius of the inscribed circle (that is, the circle drawn inside the figure and touching all its sides). Multiply this by the length of one side, and then multiply the result by the number of the sides. To find the area of an Ellipse, take the long diameter, multiply it by the short diameter, and multiply the result by .7854. To find the area of the surface of a Prism, add the areas of the two ends to the perimeter, or distance round one end multiplied by the length.

### GEOMETRY (Underline Each Correct Response)

- The diagonals of a parallelogram are always equal. True or false?
- Two straight lines are parallel if the interior angles on the same side of the transversal are equal. True or false?
- Adjacent angles are always complementary. True or false?
- A line segment joining the mid-points of two sides of a triangle equals one half of the third side. True or false?
- The sum of the exterior angles of a polygon formed by extending each of its sides in succession equals six right angles. True or false?
- All acute angles are equal. True or false?
- A triangle has three medians. True or false?
- All vertical angles are acute. True or false?
- The altitude of any triangle is also the median. True or false?
- All zooks are amorphous. The object is amorphous. The subject is a zook. True or false? Study the words in parentheses and underline the correct one.
- If any player on this team wants to quit (you, he) (is, are) at liberty to do so.
- I (guess, think) I shall go to town tomorrow.
- The little boy cried (like, as if, as) his heart (were, was) broken.
- The rest of the men (are, is) here.
- A number of girls (are, is) in school.
- The man (whom, who) you met is my brother.
- Every person has (his, their) own peculiar habits.
- Mary appeared to be the (kinder, kindest) of the four girls.
- Each boy and girl (has, have) (his, their) own tasks to perform.
- He fell (off, off of, off from) the chair and sprained my wrist.
- Be sure (to, and) close the door when you go out.
- Each of you (is, are) expected to go.
- Three quarters of the money (is, are) his share.

### THE SINGING TOWER AND SANCTUARY (The American Taj Mahal)

On the top of a lofty hill, near Lake Wales, Florida, in a park and bird sanctuary, stands a beautiful tower 205 feet high, a shaft of color rising above the green of the surrounding forest. It is built of Florida stone and pink Georgia marble. Round the tower at the top is a marble band on which are carved flamingos, cranes, and other birds native to Florida. The grill-work at the windows represents animals and plants of Florida. The brass door tells the story of the world's creation. Surrounding the tower is a moat, crossed by marble drawbridges and lengthening in front into a mirror-like pool. In the tower are seventy-one beautifully toned bells forming one of the largest sets of chimes in the world. The largest bell weighs 10½ tons, the smallest eleven pounds. Four times a week the carillon-master gives public recitals and visitors come from all over the state to listen to these magnificent concert.

Around the tower is a beautiful sanctuary of 53 acres, with lakes, wild flowers, unusual trees, and ferns; more than 130 species of birds find shelter here. The Singing Tower and the bird sanctuary in which it stands were presented to the people of the United States on February 1, 1929, by Edward W. Bok, a philanthropist who started life as a poor immigrant boy from the Netherlands and rose to great wealth in America. Mr. Bok, who died in 1930, lies buried in a crypt at the base of the Tower. Today, the Seminole, descendants of the early Indians, return each year. Many other visitors come too. The beautiful Singing Tower reminds them of Mr. Bok's motto, "Make the world a bit better or more beautiful because you have lived in it."

### PHRASES

Since a phrase can often be more colorful and explicit than any single word equivalent, we have arranged a list of words and effective phrases which can be substituted for them.

Appropriate: to the point, to the purpose, the very thing.

Conform: to drift with the tide, to observe the order of the day, to accept a matter of course, to be in harmony with.

Distant: beyond reach, from pole to pole, wide of the mark, at the ends of the earth.

Fleeting: here today and gone tomorrow, before the ink is dry, one's days being numbered.

Imitate: to take after, to follow in the footsteps of, when in Rome, to do as the Romans do, to follow suit.

Inferior: thrown into the shade, not fit to hold a candle to.

Infrequent: once in a blue moon, few and far between.

Irrelevant: foreign to the purpose, having nothing to do with, beside the question, neither here nor there.

Opposite: the other side of the shield, the tables being turned, light to darkness, the reverse of the medal.

Suddenly: at short notice, on the spur of the moment, in less than no time.

Superior: more than a match for, having the advantage of, throwing into the shade, without parallel.

Unhappy: laden with cares, with a bleeding heart, a prey to affliction, sorely tried with troubles.

Youth: tender age, flower of life, the rising generation, one's salad days, in one's teens.

### COMPLETE THE FOLLOWING

- The latitude of a point is its distance from the \_\_\_\_\_ measured in \_\_\_\_\_. A degree of latitude is about \_\_\_\_\_ miles. The earth is inclined about \_\_\_\_\_ degrees on its axis. The width of the frigid zone is about \_\_\_\_\_ degrees. The width of the torrid zone is \_\_\_\_\_ degrees.
- North America extends about \_\_\_\_\_ degrees north latitude to about \_\_\_\_\_ degrees north latitude, a distance of \_\_\_\_\_ degrees or about \_\_\_\_\_ miles. When a place is said to be 40 degrees north or south latitude, it means that it is north or south of the \_\_\_\_\_. When a place is said to be 63 degrees east or west longitude, it means that it is east or west of \_\_\_\_\_. Seattle is \_\_\_\_\_ of Greenwich and \_\_\_\_\_ of the equator. There is a difference of four hours solar time between two cities. The difference in longitude is 20 degrees, 60 degrees, 75 degrees. A zone in which the sun shines continuously for 24 hours during some part of the year is \_\_\_\_\_. The temperature is \_\_\_\_\_ because the sun's rays are \_\_\_\_\_. A point over which the sun's rays are always vertical is the \_\_\_\_\_. A zone in which the sun never shines vertically and never continuously for 24 hours in the \_\_\_\_\_ zone.

### THE EMPIRE STATE BUILDING

It is located at Fifth Avenue and 34th Street in New York City. The Empire State Building is 102 stories or 1250 feet high. The Television Tower adds 222 feet, making a total of 1472 feet. The building houses 25,000 office workers. Construction began in 1929 and was completed in 1931. About 2500 men worked on this building at one time. Elevators carrying 65 persons travel 1,000 feet a minute to take visitors to the two Observatories, on the 86th and 102nd floors. Visitors can have lunch, buy souvenirs, and look out over the city. The estimated weight of the building and contents is 300,000 tons, and 60,000 tons of steel were used in the frame-work. Two hundred and twenty columns support this burden. The gigantic structure was built in about eighteen months.

### THE AREA OF A TRAPEZIUM

A trapezium is a four-sided figure of which no two sides are parallel. We find its area by multiplying the longest diagonal by half the sum of the two perpendiculars falling on it from the opposite angles. Another method of finding the area of any figure of four or more unequal straight sides is to divide it into triangles and find the area of each, adding these together for the result. Plan Your Work, Then Work Your Plan.

### Marshfield W.I. Annual Meeting

The 39th annual meeting of the Marshfield Women's Institute met at the home of Mrs. Lorne Scott on November 6th with the President, Mrs. Cecil Stetson presiding. Roll call was answered with the payment of annual fees by thirteen members. The minutes of the last annual meeting and the last regular meeting were then read and approved. The President, in her report, reviewed the year accomplished during the year and thanked the members for their support. The Secretary then gave a financial report of the year's activities. Receipts (including balance from last year), \$204.77; expenditures, \$209.46. Balance on hand \$104.32. The election of officers resulted as follows: President—Mrs. Alex

- Scott; Vice-President—Mrs. Stanley Scott; Secretary—Treasurer—Mrs. Hector Jenkins; Auditors—Mrs. J. R. Munn and Mrs. Heber Crosby; Directors—Mrs. Edgar Henry; Mrs. Heath Foster and Mrs. John Munn. Convener—Blue Cross, Mrs. Cecil Stetson; Visiting, Mrs. Leigh Frizzell; Collections, Mrs. Stanley Scott, Organist, Mrs. W. R. Godfrey.
- A vote of thanks was extended to the retiring officers. It was decided that \$10.00 be given to the teacher to assist with Christmas gifts for the school children, and the Secretary was asked to order a bottle of Cod Liver Oil capsules. Back collection amounted to thirty cents and \$4.55 was received in annual fees. A collection for the Protestant Orphanage was also received and amounted to \$1.23. A letter regarding the Blood Donor Clinic was read and a spelling match conducted by Mrs. Albert Boswell was enjoyed by all. Mrs. Cecil Stetson invited the

## NATO Countries Reveal Secrets To Members

By NORMAN ALTSTEDTER Canadian Press Staff Writer

PARIS, Nov. 24.—(CP)—Members of the North Atlantic Treaty Organization are telling all to each other in precedent-setting exposures. For the first time in history, members of an international group are exposing completely their economic, political and military situations for the common good—to ensure a uniformly solid organization. An executive committee of three men is taking in the information to provide a rounded picture of the relation between the N.A.T.O. plans and the economic, political and military realities. They are Averell Harriman of the United States, Sir Edwin Plowden of Britain and Jean Monnet of France. These "Three Wise Men", empowered for their probing job at the N.A.T.O. meeting in Ottawa, have the immediate task of recommending how to get the most military security at the least risk of economic and political collapse. Finance and military leaders of the member countries have been reporting one at a time to the "Three Wise Men" here in Paris, members to her home for the December meeting, the lunch committee to be Mrs. Albert Boswell and Mrs. Leigh Frizzell. Roll call to be answered with Christmas gifts for the patients at the Sanatorium. The meeting closed with the National Anthem. Delicious refreshments were then served by the committee.

following up questionnaires sent to each country concerning troops, supplies, production and economic situations. Finance Minister Douglas Abbott of Canada was one of those quizzed. As a member of the 12-member temporary council committee of which the "Three Wise Men" are the executive, Abbott will receive their report on the situation in a meeting scheduled for Nov. 23 in Paris. The T.C.C. will make preliminary recommendations to the North Atlantic Treaty Council meeting in Rome Nov. 24 at which L. B. Pearson, Canada's External Affairs Minister will preside as this council chairman. The T.C.C.'s job, which the "Three Wise Men" are spearheading, is largely one of economy. When it finds, for example, that one country is planning to build military trucks that are not essential for immediate security needs, it might recommend that efforts would better be spent in some other direction. But on the other hand, the T.C.C. may come up with the recommendation that some country might make bigger contributions to the joint effort that it has planned. It has been indicated that N.A.T.O. now is aiming to have an integrated security force available by next year in case of an attack against Western Europe. But June, 1954, remains the target date when it could be hoped the build-up might be able to taper off.

### INDIAN RIVER - KENSINGTON C. W. L.

The regular monthly meeting of the Indian River-Kensington subdivision of the Catholic Women's League was held on Sunday afternoon, Nov. 4th, in the vestry of Holy Family Church, Kensington. The meeting was opened with prayer by the president, Miss Ellie

## BULLETINS FROM BIRDLAND



### INVISIBILITY

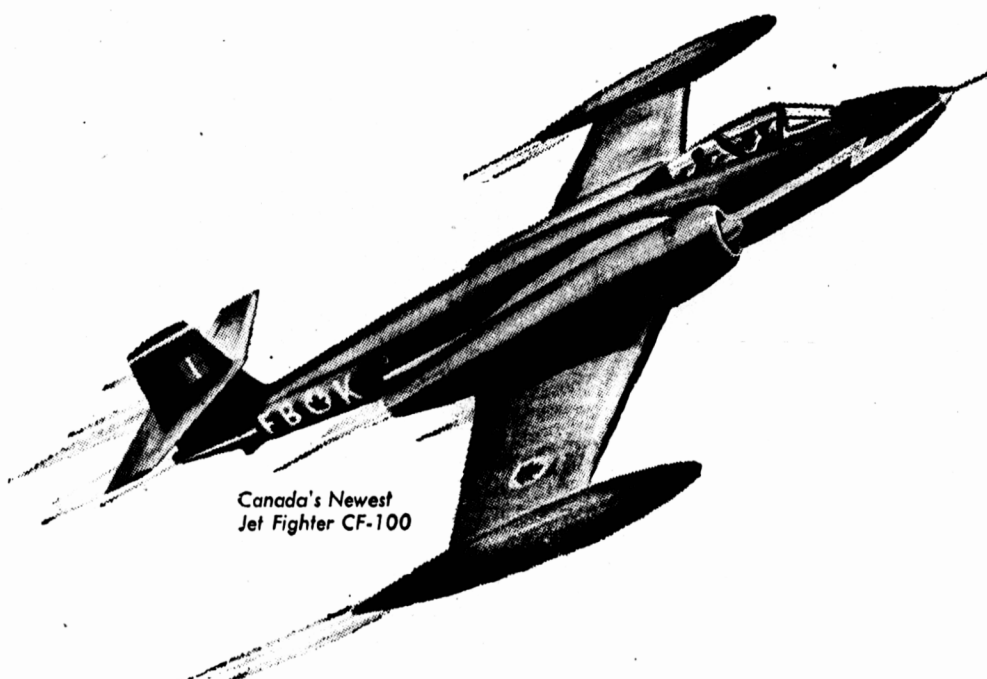
Nature is so careful to protect her children that she supplies them with costumes which blend into their surroundings. Brown Creepers are just the colour of the tree trunks on which they climb; Thrushes match dead leaves on the ground where they find their food; Vireos, tinged with green, vanish into the foliage where their nests hang; birds spending the greater part of their time in snow-lad country wear suitable, white attire.

Members of the Grouse family known as Ptarmigan are found in the Arctic tundras and rocky hills, and minutes of the last meeting were read by Mrs. Edgar Hickey. Members requested that a High Mass be offered for deceased souls of the Parish. There was a general discussion on ways and means of raising money, and it was decided to hold a pantry sale, date to be announced later. Also that a card party be held in Kensington on Nov. 13th. Members were also reminded of having card parties in their homes. In the absence of the treasurer, the president reported a satisfactory cash balance on hand. Meeting closed with prayer. Oldest of the college fraternities is the Kappa Alpha Society, founded in 1825.

slopes of our northland. Their plumage changes to agree with the advance of the seasons. In summer, a few white feathers are scattered irregularly through their brown bodies, but the males' underparts and the wings of both sexes are, as always, entirely white. Gradually, the dark feathers are replaced by white ones, so that in autumn the birds have a pepper and salt appearance; but by the time the country is all white, they are also, with the exception of their tails, which remain brown. It has been said that the shadow of a Ptarmigan is then more conspicuous than the bird itself. For a good reason. Snow Buntings change to darker apparel at the very opposite time of year. Nesting far beyond tree growth, in summer it is necessary to be clothed in white so as to be invisible. At that season, only a few small, black patches, which actually aid camouflage, break their solid white plumage. But once winter has set in, these birds fly to southern Canada, and therefore don coats which are a combination of brown and white areas. Curiously enough, the big northern Hawk, called Gyrfalcon may be clothed in any of three kinds of plumage: very dark indeed, grey, or pure white. Though it is now known that even members of the same brood may be differently dressed, most are very light. Snowy Owls, also, are not identical. Their general appearance is nearly always white, but some are immaculate, while others are more or less flecked with dusky. For most of their lives, these large birds remain in our far north. When their food rations give out, which happens about every four years, great numbers of them migrate down to civilization for some months. As this always happens in winter, it means that their very light plumage is still quite suitable, and they are, as before, practically invisible.

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# Royal Canadian Air Force

## DAILY CROSSWORD

- ACROSS
- Diet
  - Having toes
  - Scam
  - Long-eared rodent
  - City (Mich.)
  - Sultan's decree
  - Mulberry
  - Coniferous shrub
  - Total
  - Peruvian coin
  - A piece of false hair
  - Shield
  - Branch
  - Silp
  - Theater attendant
  - Pure
  - Not difficult
  - River of Latvia (russ.)
  - Constellation
  - Consumed
  - Pinch
  - Egyptian goddess
  - Sun god
  - Foreign
  - Swiss
  - Sea eagle
  - Mandates
  - Feet
  - Organs of sight
- DOWN
- Consecrate
  - Keel-billed cuckoo
  - Man's nickname
  - Come
  - Prickly-stemmed plant
  - Rowing implement
  - Rubbed
  - Enter
  - Quick
  - Ostrich-like birds
  - Metal rings for joints
  - Chinese measure
  - Man's nickname in
  - Wrath
  - Spotted town (Palestine)
  - Greeted (naul.)
  - Desire with longing
  - Rough lava
  - Emphasize
  - Period of time
  - Passageway
  - Remain
  - East-north-east (abbr.)
  - Female sheep



Saturday's Answer

### DAILY CRYPTOQUOTE—Here's how to work it:

AXYDLBAAXE is LONGFELLOW. One letter simply stands for another. In this example A is used for the three L's, X for the two O's, etc. Single letters, apostrophes, the length and formation of the words are all hints. Each day the code letters are different.

A Cryptogram Quotation

MJHKQKE GJNAXI HC BHNAB GH OKP OKCHEK GMKSQK H'VBHVX NI D IVHEAPZKS—RHJAIH.A.

Saturday's Cryptoquote: STRONG LOVE AND PROUD AMBITION HAVE NO BOUNDS—DRYDEN