

Using X-Rays In Plane Plants

Industrial Inspection In Canadian Aircraft and Munitions Foundries Thereby Speeded Up

To expedite the manufacture of aircraft and munitions, the National Research Council is teaching the industrial use of X-ray inspection to employees of Canadian foundries producing war supplies.

CAN DETECT FLAWS
Use of X-ray methods for industrial inspection has increased in recent years. X-rays can detect flaws and defects which cannot be found by other methods without destruction of the product. They are of particular value in aircraft manufacture.

With production of aircraft parts greatly increased, several Canadian foundries have installed X-ray equipment. The Council has had facilities for X-ray examination for several years and has provided an inspection service used by the Transport and National Defense Departments.

Appointed To Head Trenton Air School



Stationed at Jericho air station in Vancouver since last summer, Squadron Leader F. J. Mawdesley has been named to take command of the R.C.A.F. school of administration to be opened at Trenton in the near future.

Speed Killing Ski-ing Styles

Hannes Schneider, Far-Famed Instructor, Says Lack of the Fundamental Training Keeps Competitors on This Continent From World's Titles

"It's hard to slow them down here. In Europe it is just as hard to speed them up."

The man with the weather-beaten features, a heavy crop of greying hair, and slightly rounded shoulders on a powerful frame, prodded the weak point in North American skiing in that short summary of American and Canadian tendencies, the inclination of hundreds of thousands to do things in reverse. Literally to the desire to run before they can walk.

Hannes Schneider, an educationist whose doctrines have received world-wide acknowledgment, says a writer in the Montreal Star, last week declared:

"Americans, and the Canadians I have instructed, made good students, quicker than the average European. Their big fault is the fact that they always want to progress too rapidly, and undertake fast sliding. In Europe, it is just the opposite, and we have to speed them up."

Three Important Steps
Schneider stipulates three highly important steps in the upward progress of a skier. First is to learn the basic fundamentals, in short, ski in control. The next step is to acquire style, for that will provide assurance of further control. The third is skiing fast, which naturally falls in line with the first and second principles.

Oldest Metal

Tin is the oldest metal known to man — and it is still of the greatest importance in many industries — notably canning and armaments. Four thousand years ago the Phoenicians voyaged to Britain to buy tin from the Cornish mines, and until late in the nineteenth century Cornwall remained the chief producer of the metal. Now, however, there are other sources of supply, such as Bolivia and the East Indies. The United States, who use more tin than any other country, have to rely on the British Empire and Bolivia for supplies.

During the first four weeks of 1940, Canada's ten sugar refineries manufactured 54,723,387 pounds of refined sugar, of which 47,790,059 pounds were granulated and 6,933,328 pounds, yellow and brown.

Tying Knots Is Part of Every Canadian Naval Officer's Training



Tying knots is still an important part of every seaman's training and, ABOVE, a group of future officers are learning the fine points of tying the various knots used by sailors and seamen the world over. These young Canadians are undergoing a strenuous eight-week's course aboard H.M.C.S. Stone Frigate (a ship which never moves) at Kingston, Ont.

Sunday School Lesson

LESSON XIII
THE CONTINUING TASK.—
Matthew 28: 16-20

GOLDEN TEXT.—Ye shall be my witnesses . . . unto the uttermost part of the earth. Acts 1: 8.
THE LESSON IN ITS SETTING
Time.—We are not sure exactly when this event occurred during the forty days of our Lord's frequent manifestations after his resurrection, before his ascension; it took place sometime in April or May of A.D. 30.

Place.—A mountain in Galilee, exactly which one we do not know.

It is commonly recognized that there were ten different appearances of our Lord after his resurrection from the first one early Easter morning to the women, and the last one, to the apostles just before the ascension, forty days later. The appearance recorded in our lesson for today, is generally counted as the eighth of these ten appearances.

The Great Commission
Matt. 28: 16. But the eleven disciples went into Galilee, unto

the mountain where Jesus had appointed them. On Thursday of Passion Week our Lord had said to his disciples, "After I am raised up, I will go before you into Galilee," and probably this appearance is a fulfillment of that promise. (Jesus has promised also to be in the midst of any group of his disciples, even in the midst of as small a one as two or three persons. Are we all keeping our appointments with Jesus?).

17. And when they saw him, they worshipped him; but some doubted. There was evidently something about his appearance which commanded the attitude of worship. 18. And Jesus came to them and spake unto them. Our Lord, leaving the spot on which he had shown himself to the crowd, came to the eleven and spoke to them. We may suppose that those who were also standing by could hear his words, and possibly were addressed indirectly. Saying. All authority hath been given unto me in heaven and on earth. As he gave authority to his disciples to act in his name, so he spoke of himself as one who had received authority from the Father. Authority "in heaven", in that unseen and eternal order which is altogether beyond human knowledge or control, is claimed by the risen Christ.

The Disciples' Task
19. Go ye therefore. "Therefore" refers back to the tremendous claim Christ has just made for himself. And make disciples. To disciple a person to Christ is to bring him into the relation of

pupil to teacher — the Great Teacher has perfect wisdom and unlimited authority. Christ's authority is not only the basis of our duty to disciple others, but the basis of all true discipleship. Of all the nations. This command is simply astonishing: here we have a Jewish peasant, surrounded by a small company of uneducated followers, bidding them address themselves in his name to races ancient, powerful, refined; to win their intellectual and moral submission to doctrines and precepts propounded by himself. It was the purpose of our Lord that Greeks and Barbarians, Romans and Scythians, bondmen and freemen, should have one religion.

Baptism A Symbol
Baptizing them. Baptism here can refer to nothing else than what is called water baptism; the exact mode of baptizing, by sprinkling, by pouring, or by immersion, is not here designated. We remove the stains of our everyday toil with water. So water becomes a symbol of a purifier away of sins. Water can never in itself wash away sins, but it is used as a symbol of a cleansing from sin, which is truly accomplished only by the blood of Christ. Into the name of the Father and of the Son and of the Holy Spirit. 20. (a) Teaching them to observe all things whatsoever I commanded you. Teaching follows baptizing. Little by little to the end of an individual's life, and to the end of all time the words of Christ are apprehended in their fullness. The work of teaching belongs to the home, to the church, to good book, good companions.

Christ's Promise
20b. And lo, I am with you always, even unto the end of the world. The ever-living presence of Christ lies at the heart of the Christian Church, as well as in the heart of the individual Christian.

RADIO REPORTER

By DAVE ROBBINS

Do Some Exploring
On every one of the year's 365 days, the average radio station presents some 45 programs, running the gamut of entertainment and education from morning to late evening.

Out of this kaleidoscope come dozens of shows that people listen to avidly, that radio editors write kind things about. No one need be told about NBC's Jack Benny, Columbia's Radio Theatre, CKOC's Cavalcade of Drama, The Happy Gang from CBC or Mutual's Colonel Stoopnagle — but sandwiched between these stellar attractions are plenty of programs that maybe you have missed in your radio itineraries. So this Spring, on those evenings spent at home with the family try a little dial exploring — and find out the really fine things the radio offers in entertainment, education, art and many other phases — not the least of which is news coverage.

Get to know radioland — then you begin to really enjoy the finer things in life.

Big Town. Edward G. Robinson's program from Columbia stations each Tuesday night at Eight is always worth a listen. Supported by Ona Munson, an actress whose ability matches Robinson himself, the screen star puts on gripping incidents of life in a metropolis.

Canadian Commentator
Well, at last, Canadian radio listeners can enjoy a competent commentator of their own, discussing world affairs and the European situation from a Canadian viewpoint, and in our opinion this is something we have needed for a long time. From CKOC each Sunday afternoon at five — Professor Edward T. Salmon, of McMaster University, interprets history as it is happening. Professor Salmon served with the British diplomatic service in Europe for a number of years — and he knows much about the workings of the inside politics of that troubled continent.

Lovely Mary Martin. of "My heart belongs to daddy" fame, stepped into big time radio when she made her debut recently with

Good News of 1940, starring with baby Snooks, Dick Powell and Meredith Wilson. This Thursday night show, heard from the NBC red network at nine, is very listenable, and Mary's voice gives it another high spot.

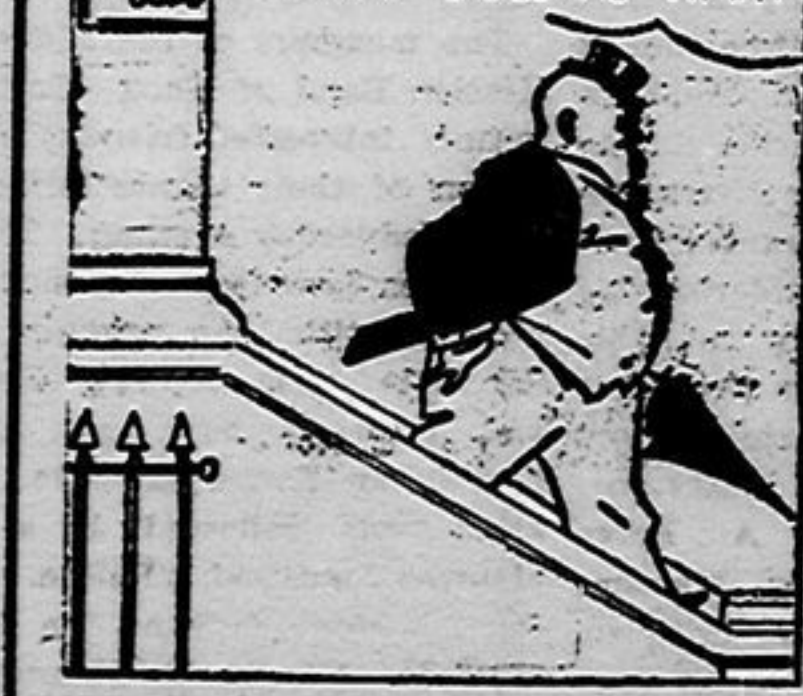
is the talk of the town — yes sir, every Thursday night at 6.45 The Town Crier is on at CKOC to tell you what goes on in this or that Ontario town — and maybe your own. Dial in this program — you will like its home-spun touch.

Radio Highlights

Sundays . . . Philharmonic symphony from CBS-CKOC at 3 p.m. . . . Silver theatre from CHML at 6 . . . Vancouver string ensemble via CBL at 7.30 . . . Mondays . . . Stranger than Fiction daily from CKOC at 8.55 a.m. . . . with The Troops via CBL at 8.30 p.m. . . . Tuesdays . . . Big Sister every weekday at 2 from CBS . . . Uncle Don daily from WOR at 6 . . . Mutiny on the High Seas from CKOC at 6.30 . . . Wednesdays . . . Canadian Snapshots from CBL at 8 . . . Bob Crosby's orchestra from WOR at 11.30 . . . Thursdays . . . NBC Breakfast Club every morning at 9 . . . Farm Broadcast CBL-CKOC at 12.30 noon . . . Strange as it seems from WABC-CBS at 8.30 . . . Saturday . . . Under the Big Top from CBL at one . . . Metropolitan Opera from CBL-CKOC at 1.55.

POP—Small Change

WHAT DOES HE WANT TO OPERATE ON YOU FOR?



ANYTHING HE CAN GET OUT OF ME!



Farm Forum

(Conducted by Prof. Henry G. Bell, of the Ontario Agricultural College, Guelph, assisted by other members of the O.A.C. faculty)

BETTER GRADE HAY

The desirability of lowering the cost of keeping livestock and of dairy production, by means of producing hay of higher feeding value was stressed by Dr. O. McConkey of the Ontario Agricultural College, Guelph, in an address at the second Brant County seed fair held in Brantford. Dr. McConkey reviewed the soil capacity of Ontario farmlands for hay production and showed that hay was thus the cheapest feed Ontario could produce.

DAIRY COW'S FARE

How feed affects profits from the cow becomes an acute question with the dairyman. The greatest expense connected with dairy farming is the cost of the ration. It requires a good many years to improve the breeding herds, but we can change the feeding methods in a season. The simplest and easiest method of increasing the profit from the milking herd is to provide the animals with ample feed which should be produced on the farm, where it can be procured at the lowest possible cost. While contemplating the seeding program at this season, consider the bill of fare for the cow, as it affects her profitable returns. The cheapest and best source of roughage is found in silage, alfalfa and clover hay.

Uses For Common Salt Are Manifol

Apart from the value of salt in seasoning almost everything we eat, it has many other domestic uses.

Here are a few:
Salt and water gargle is excellent for the throat, and if the teeth are brushed with salt, it helps to make them white, and it also keeps the gums healthy.

If burnt saucers are sprinkled with salt and left to stand until the next day, a little water added and brought to the boil, the burn will quickly disappear.

If a little salt is sprinkled in the frying pan before frying is commenced it will prevent the grease splashing.

Scrubbing with salt and water ruff mats and wicker work becomes bright and clear. The salt also stiffens the cane.

Damp salt will remove discoloration from teacups and pie-dishes. It cleans decanters, tall glass vases and a little added to the starch will prevent the iron sticking.

A little salt is most effective in removing ink stains from table linen.

To improve the flavor of coffee, sprinkle with a few grains of salt before adding the water.

If carpets are sprinkled with salt and left for half an hour, then wiped over with a damp cloth, the colors will be revived and the carpet will look bright and new.

A little salt added to dyed garments will prevent the color running when washed.

The kitchen sink can be kept clean and healthy by rubbing with salt and a damp cloth.

Bible, World's "Best Seller"

Broke All Records for Sales In 1939

The world's best seller, the Bible, says the Christian Science Monitor, made a new record for itself in 1939, according to the New York Bible Society, which reports that 998,652 copies of the Scriptures and Scriptural portions were distributed — this being the highest number for a like period in history. The Society's aim is to keep the Bible within reach of all people in the old city and harbor of New York. During its 130 years of existence, it has distributed 24,096,295 Bibles, Testaments and Bible portions, the annual report says.

This year's figures show an increase of 121,713 over that for 1938.

BIBLE IN ESKIMO

Translation of the Bible into Eskimo is Canada's addition to nine new Bible translations made in 1939.

Of the 730 Bible translations circulated throughout the world, Canada requires 110 for the Dominion.

Cow Comes Home

A Trecco (Scilly Isles) farmer bought a cow on St. Mary's Island, took it back to his farm—2 miles by boat—and put it in a stable. Next morning the cow had gone. Hours later French fishermen in Crow Sound found his cow. It was swimming—home to St. Mary's.

THIS CURIOUS WORLD

By William Ferguson



ALMOST 40 PER CENT OF HOLLAND WOULD BE INUNDATED EVERY 24 HOURS WERE IT NOT FOR ITS DIKE SYSTEM! THE PICTURESQUE WINDMILLS ARE USED NOW ONLY FOR GRINDING AND STORING GRAIN.

HAVANA, CUBA, IS FARTHER WEST THAN CLEVELAND, OHIO.

POTATOES BEAR FRUIT!

ALTHOUGH SELDOM SEEN, THE TRUE SEEDS OF THE POTATO DEVELOP INSIDE A BALL-SHAPED FRUIT



A GREAT deal of Holland is below sea level, since it is land that has been reclaimed from the sea, and protected by dikes. The task of pumping out the sea water now is done by modern electric and steam engines. Work now going on at the Zuider Zee will reclaim 900 square miles of land that has been under water for centuries.

NEXT: What is the origin of the word monkey?

TENNIS EXPERT

HORIZONTAL
1.6 Pictured champion tennis player.
11 Smell.
12 To worship.
13 College girl.
14 Strong taste.
16 To assault.
18 Vivid describer.
20 Musical note.
21 Remedy for all diseases.
26 Pertaining to genesis.
30 Summoned forth.
32 Pertaining to old age.
33 Domesticated champion.
34 To undo a setting.
37 Kind of pottery.
38 To disperse.
40 To delegate.
44 Pertaining to the teeth.
48 Default.
49 Heavenly performer, 17 Be silent.
19 Horse's neck hair.
22 Kava.
23 Name.
24 Hop bush.
25 To elicit.
27 Finish.
28 Cravat.
29 Sick.
31 Star-shaped flower.
35 North Africa.
36 And.
38 Stem.
39 Pictorial puzzle.
41 Turkish title.
42 Johnny cake.
43 To impel.
44 Paid publicity wisdom.
45 God of wisdom.
46 Egg.
47 Region.
48 Snake.
49 To total.
50 To total.
52 South Carolina.
54 Senior.
55 She is a . . .



By J. MILLAR WATT

ANYTHING HE CAN GET OUT OF ME!

