

# RCAF Station Comox

## TOTEM TIMES

VOL. 4

RCAF Station Comox, B.C., Thursday, October 10, 1963

No. 14

## NORAD— The North American Air Defence Command

NORAD was formed in September, 1957 following an agreement between the governments of Canada and the United States which, in effect, was official cognizance of the fact that air defence of the two countries is indivisible task.

The mission of NORAD, simply stated, is: "Defend the North American Continent against aerospace attack." This is one-half the formula for deterrence against aggression — i.e.: Skilled, ready offensive forces plus skilled, ready defensive forces equal Deterrence.

Under the agreement NORAD has operational control (as opposed to administrative control) of the air defence forces of Canada and the U.S. These forces are provided by NORAD component commands: RCAF Air Defence Command, U.S. Army Air Defense Command, U.S. Naval Forces in NORAD, and USAF Air Defense Command. Operational control is defined as the power of directing, co-ordinating, and controlling the operational activities of available forces.

### FORCES MAKING UP NORAD

The component commands that make up NORAD (USAF ADC, U.S. Army ADC, U.S. Naval Forces in NORAD, and RCAF ADC) are responsible for providing trained and equipped forces to the Commander in Chief of NORAD (CIN C NORAD) for his operational control. Each has a different contribution consistent with its location and historic role.

### USAF ADC

The bulk of NORAD's fighter-interceptor squadrons come from the U.S. Air Force Air Defence Command. This organization, by far the largest in NORAD, also contributes the surface-to-air Bomarc missile and a large number of radar squadrons and early warning airborne radars. USAF ADC is also active in space with Ballistic Missile Early Warning System (BMEWS) and Space Detection and Tracking System (SPADATS) providing important information to NORAD in respect to ballistic missiles and orbiting space objects. The Air National Guard also provides interceptor squadrons and aircraft control and warning squadrons on full-time assignment to NORAD via the USAF ADC.

### USARADCOM

The U.S. Army Air Defence Command contribution to NORAD is in the field of surface-to-air missiles of the Nike family. Now equipped entirely with the Nike Hercules, the Regular Army is supported in its role by the National Guard with the Ajax.

### NAVFORNORAD

The U.S. Naval Forces in NORAD. Navy ships and aircraft contribute significantly to the off-shore radar coverage that supplements the shore-based radar in providing early warning and con-

tinuous radar tracking of approaching aircraft. Also active in space, the U.S. Navy's Space Surveillance System is tied into NORAD through SPADATS.

### RCAF ADC

In the weapons field the RCAF Air Defence Command provides fighter interceptor squadrons equipped with CF-101B "Voodoo" aircraft and two surface-to-air Bomarc missile squadrons. They also contribute heavily in the area of surveillance, and in the detection and identification functions, i.e. radars and the GOBC.

The commanders of NORAD component commands also serve as principal advisers to C IN C NORAD on matters pertaining to the services they represent.

The Alaskan Command is a U.S. unified command with a twofold mission. The first part is the ground defence of the State of Alaska, and the second part is air defence. For that part of his mission which deals with air defence, the commander in chief of Alaskan Command is responsible to C IN C NORAD. Thus all the forces engaged in the aerospace defence of North America are under the operational control of a single commander.

### AREA OF OPERATION

Geographical division: Currently, the North American continent is divided into eight regional areas of air defence responsibility. Six of these are numbered regions taking in some of the southern portions of Canada and all of the continental United States, excluding Alaska. The Northern NORAD Region encompasses the rest of Canada, including highly populated industrial areas of Ontario and Quebec. Alaskan NORAD Region completes the picture. Each region commander is responsible to C IN C NORAD for all aerospace defence activity within his designated area.

Each of these NORAD regions is further subdivided into areas called SECTORS. Sectors that cross the international boundary are jointly manned by U.S. and Canadian personnel. The size of one sector may differ greatly from another. In general, the size depends on the amount of air traffic and

## Bomarc Units Train Under New 'Follow-On' Program

TYNDALL AFB, Fla. (NNS) — The 4751st Air Defense Squadron (Missile) has been under the direction of the 73rd Air Defense here only since July 1, but already its new Bomarc training program is well under way.

The 4751st is a USAF Air Defence Command unit and Air Defence Command is the USAF component of North American Air Defence Command, which is responsible for continental aerospace defence.

Bomarc missiles, designed to destroy attacking aircraft, are deployed at eight U.S. and two Canadian sites.

Under the new "follow-on" program, a team from each of the 10 tactical sites will deploy to Hurlburt Field, Fla., once each year. Each team will bring a tactical missile, which it will process at Santa Rosa Island and launch down the Eglin Gulf test range.

Teams will be evaluated by 4751st personnel. Each unit will bring its own guidance team which will work at Montgomery NORAD Sector headquarters and be evaluated by members of Detachment 1 of the 4751st.

In addition to the deployment program, the 4751st trains Bomarc instructors and tests Bomarc missiles.

These are ground-to-air interceptor weapons, with ranges of 200-250 miles for the Bomarc A and 400 miles for the more advanced Bomarc B.

They are guided from the ground by radar signals generated by NORAD's Semi-Automatic Ground Environment System from radar tracks of the target aircraft.

Each missile's own target seeker takes over in the immediate vicinity of the quarry, pinpoints the enemy and detonates the warhead at the closest point of intercept or collision.

First team to complete its deployment was the 46th Air Defense Squadron (Missile), McGuire AFB, N.J.

## Hockey Night In Canada

Starts Oct. 12 on CBC-TV

Saturday night NHL hockey games will again be seen coast-to-coast on CBC television starting October 12, when Hockey Night in Canada returns for its 12th season. Telecasts of the games this season begin at 5:30 p.m.

Bill Hewitt reports games from Maple Leaf Gardens, Toronto; Danny Gallivan does the play-by-play from the Montreal (Canadiens) Forum.

As in the past, most viewers see Toronto and Montreal home games on an alternating basis.

Following is the schedule of Hockey Night in Canada telecasts from Oct. 12 to the end of 1963.

Oct. 12 - New York at Montreal  
Oct. 19 - Detroit at Toronto  
Oct. 26 - Chicago at Montreal  
Nov. 2 - Chicago at Toronto  
Nov. 9 - New York at Montreal  
Nov. 16 - Chicago at Montreal  
Nov. 23 - Boston at Toronto  
Nov. 30 - Boston at Montreal  
Dec. 7 - Chicago at Toronto  
Dec. 14 - Boston at Montreal  
Dec. 21 - Detroit at Toronto  
Dec. 28 - Detroit at Montreal

A schedule covering the 1964 portion of the season will be issued later.

number of vital target areas located within the sector.

### METHOD OF OPERATION

The NORAD mission has been broken down into four basic actions — detect, identify, intercept and destroy.

### DETECTION

Today, NORAD's mission has grown from simply air defence to that of aerospace defence. It must be on guard not only against manned bomber attack, but also against a ballistic missile and space threat. Literally, it must watch the whole area over the North American continent from just above the ground to beyond the atmosphere. For this it

(Continued on page 3)

## Fire Prevention Drive Asked

A step-up in fire prevention efforts to hold down the nation's gigantic fire toll was urged by W. W. Owen, general manager of the Canadian Underwriter's Association.

Mr. Owen said that Fire Prevention Week — October 6 to 12 — is a logical starting point.

Commenting on the nation's human fire toll — 620 persons lost their lives from fire last year and hundreds more were injured — Mr. Owen said: "The loss of a single life is a tragedy and the loss of over 600 lives gives emphasis to the need for everyone to be constantly alert to this ever present threat. The loss of life can and must be reduced. There can be no relaxation in the efforts to eliminate uncontrolled fire."

"A point to be remembered," he continued, "is that each one of those persons who died or was injured was an individual, and while the statistics show large numbers, the individual suffering and the grief of friends and relatives underline the need for thinking not only in terms of large numbers but more importantly of the individual."

### THE MEASURES OF LOSS

In relation to property destroyed and the number of fire losses which occur are the usual measures of the fire loss, Mr. Owen said.

"The fire loss for 1962 measured in dollars, which amounted to \$126 million, is an enormous drain on the economy of this country," he added. "Every effort must be made to reduce that loss."

"We must remember that the fire loss is made up of a large number of fires, any one of which could have involved loss of life, and brought physical suffering to individuals as well as loss of their property."

On the bright side, Mr. Owen reported that fire prevention is paying off.

"It is clear that fire prevention efforts and fire protection facilities have in effect reduced the annual toll from fire," Mr. Owen said. "The ratio of loss of life from fire to the population of the country has dropped as the population has increased. And studies show that fire losses as compared with the amount of property and value of property subject to fire loss have actually been reduced steadily over the past 60 years, and these reductions are continuing during the present decade. In fact, it is a matter of record that had it not been for fire prevention and fire protection measures, the annual fire loss would probably be three times as great as it is."

We must recognize that fire can be controlled, but it is up to the individual to do his part. It is not something we can leave to others to do for

(Continued on Page 12)

## New Council Meets

As Premier Bennett and his party plan their new term policy on B.C. power on the provincial front . . . here at home, Mayor Crossfield and party planned this year's strategy for the local range war on stray dogs and stuffed storm sewers in the PMQ area of operation.

The councillors for the new term will be as follows . . . Ward One: Cpls Wood and Zacher; Ward Two: Cpl. J. W. O'Connell and FS Zaleski; Ward Three: Cpl Westfall and Sgt Kendall; Ward Four: F/Ls Mayne and McLeod; Ward Six: F/Ls Mason and MacKay; Ward Seven: Sgts Carragher and Campbell; Ward Eight: Cpl Lueszler; Ward Nine: F/L Kiggs and FS Gridley.

Following the formal hand-over of the council from S/L Rushton to S/L Crossfield, the new council reviewed some of last year's operation and assessed the events and possibilities of the coming year.

Among the perennial problems that face the council each year is money . . . there will be no doubt many occasions this term when the professional knowledge of the new mayor in this field may prove very valuable. There has also been some suggestion by the new regime of streamlining the present structure of the PMQ council body.





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## Keep Safe from Fire

This is Fire Prevention Week, and it is a good time for all of us to pause in what we are doing and give a thought to care with fire.

Too many fires need never have happened, and a little care on the part of all of us can reduce our tragic fire toll in lives and property destroyed.

On the average, about 170 fires start in homes in Canada day. Last year 620 persons lost their lives in fires and hundreds more received bad burns.

And last year, dollar fire losses in Canada totalled \$126,000,000.

The tragic thing about all these fires is that three-fourths of them were the result of carelessness, according to the Canadian Underwriters' Association.

With a little care, lives can be saved and needless burning of property prevented.

Here are a few suggestions that may keep your home fire safe:

- 1—Never leave small children alone. Even if you are leaving for only a few moments, get a responsible person to stay with them. When going out for an extended period of time, employ a baby sitter.
- 2—Small children and elderly people are the more frequent fire victims. If there are elderly persons in your household, plans should be made to get them out of the house quickly in case of fire.
- 3—Use care with cigarettes. Never discard a cigarette or drop a match without being sure it has been extinguished. It's a good plan to break a match after using just to be sure it is out. Keep matches out of reach of children. And never smoke in bed.
- 4—Keep a flashlight handy for use in dark places. Never strike matches or carry lighted candles into closets or attics.
- 5—Keep your electrical appliances in safe condition. Take them to a qualified repairman if they have loose connections or frayed or worn cords.
- 6—Throw out old newspapers, magazines and other waste combustibles regularly, rather than let them accumulate in the basement or attic. These are the things which feed fires.
- 7—Impress upon everyone in your household that in case of fire, first get everyone out of the house, and then call the fire department. Call the department from your neighbour's house, if need be, but never re-enter a burning house.

These suggestions could save your life, or the lives of members of your family.

You are the one who can help keep your home safe from fire.

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## MSE Headlights

by DIPSWITCH

PROMOTIONS

Our hearty congratulations

go to MSE technician Tom

Anderson on receiving his

Corporal's stripes.

**HAVE YOU BOUGHT YOUR BOND YET?**

Our CSB representative, FS

Don Henderson in Safety, has

his door open for business 8

hours a day for your convenience.

**DAY TRIPPERS**

Three of our stalwarts have

been busy lately on TD to the

cities of Vancouver and Victoria.

LAC Bob Morrick, Ed

Dunford and Ed Duggan.

Keep up the good show.

**FIRE PREVENTION**

LAC Fred Nesbitt returned

to the garage last Friday and

made a statement or com-

ment, which we feel is worthy

of being repeated. "A fire ex-

tinguisher on hand is worth

two in a store."

**A TRAFFIC DITTY**

Thrills on hills and swerves

on curves

Cause tragic spills and shattered

nerves.

## Try This Recipe - It's Delicious!

Probably the creative, artistic side of bread baking has often been emphasized because it gives a cook a definite feeling of accomplishment to take her own sweet-smelling loaves fresh from the oven.

This is why it would be a pity if any cooks have been scared off bread baking from hearing it referred to as an art unto itself.

It's true that at first glance yeast recipes look a little long, but this is generally because the method is spelled out carefully, and in many ways is like a check-list of the steps to follow.

The recipe for Speedy Buns is a detailed yeast recipe which results in moist and delicately textured rolls.

These little buns, which may be reheated at serving time, are a spicy cinnamon and sugar mixture before being popped into the oven. A treat that can be produced with little cost and effort, they are well worth featuring at meals and snack-time.

### SPEEDY BUNS

Yield — 1 dozen buns  
½ cup milk  
4 tablespoons gran. sugar  
1½ teaspoon salt  
¼ cup butter or margarine  
½ cup lukewarm water  
1 teaspoon gran. sugar  
1 envelope fast rising active dry yeast

2½ cups (about) pre-sifted all purpose flour  
Soft butter or margarine  
½ teaspoon ground cinnamon  
Scald milk: stir in 2 tablespoons of the sugar, salt and the ¼ cup butter or margarine. Cool to lukewarm. Measure lukewarm water into a large bowl; stir in the 1 teaspoon sugar. Sprinkle with yeast. Let stand 10 minutes, then stir well.

Stir in lukewarm mixture and 1½ cups of the flour. Beat until smooth and elastic. Stir in sufficient additional flour to make a soft dough (about 1 to 1½ cups). Turn out on lightly-floured board or canvas and knead until smooth and elastic.

Shape dough into a roll 12 inches long and cut into 12 equal-sized pieces. Shape each piece into a smooth ball. Place in a greased baking dish (about 7 x 10 inches, top inside measure). Grease tops.

## Chapel Chimes

ROMAN CATHOLIC CHAPEL

Father H. Thomas, F/L

SUNDAY MASSES in the

Station Chapel: 8 a.m., 10 a.m.

and 8 p.m.

Weekday Masses: Monday,

Tuesday, Thursday and Friday

at 4:05 p.m. Wednesday 8 p.m.,

Saturday 8:30 a.m.

**FIRST FRIDAY** in the month

—mass at 4:05 p.m.

Confessions: Before masses

and Saturday, 7 to 8 p.m.

Baptism: Sundays by ap-

pointment.

Nursery: In the Parish Hall

for the 10 a.m. mass only.

Masses in the vicinity Cour-

tenay 9 a.m. and 5 p.m.

Cumberland 11 a.m., Comox

8:30 and 10 a.m.

**CATECHISM** commences the

third week in September. Four

teachers are needed — volun-

teers are required. Call local

274 and leave your phone

number.

**YCS meetings:** Second and

fourth Sunday at 6:30 p.m. in

the Parish Hall. Please urge

your youngsters of high school

age to attend these discussion

periods.

PROTESTANT CHAPEL

S. L. S. M. Parkhouse

SUNDAY SERVICES: 1100

hrs—DIVINE WORSHIP. 1200

hrs — HOLY COMMUNION.

1100 hrs — Nursery — Chapel

Annex.

**SUNDAY SCHOOL AND**

**JUNIOR CHURCH**

These activities will com-

mence at the end of Septem-

ber. In the meantime teachers

and other helpers are required.

**CHOIR REHEARSALS**

1800 hrs Thursday, Junior

Choir. 2000 hrs Thursday, Sen-

ior Choir.

**LADIES' GUILD**

2000 hrs the third Tuesday

of the month.



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## NORAD

(Continued from page 1)

has three different surveillance systems operating, all of which feed information into the Combat Operations Centre in Colorado Springs.

**MANNED BOMBER SURVEILLANCE**

First is the manned bomber

surveillance network. The popu-

lated areas of Canada and the

United States are covered

by a massive network of ra-

dars. This is extended out to

sea off both coasts by Air

Force radar aircraft and Navy

picket ships. North of this

populated area is the Mid-

Canada Line and some 600

miles farther north, on the

edge of the arctic circle, is

the Distant Early Warning

(DEW) Line. On the west, the

DEW Line crosses Alaska and

is extended to Midway Island

by the Navy, and on the east

it crosses Greenland and is

again extended by the Navy

all the way to Great Britain.

**BALLISTIC MISSILE WARNING**

A second NORAD detection

system is the Ballistic Missile

Early Warning System (BM-

EWS). Two sites are now op-

erating. These are located at

Thule, Greenland, and Clear,

Alaska, with a third coming

into operation shortly at Fly-

ingdale Moor, England. The

huge radars at the BMEWS

sites can detect a missile as

far as 3,000 miles away. The

continent at all times.

Stringent rules have been

imposed on all air traffic pen-

etrating or operating within

air space designated as Air

Defence Identification Zones

(ADIZ). These zones are es-

tablished around the coasts

and borders and the northern

extremities of the NORAD

area of responsibility. The

principal method of identifi-

cation is based on flight plan

correlation. Information ob-

tained from inflight amend-

ments and position reports is

compared with an actual radar

track of an airborne object.

If the information on the

flight and the track correlate

within established criteria, the

track may be identified as

"friendly." If the flight plan

information and track do not

match, or if there is any doubt,

the flight is categorized as un-

known and interceptors may

be scrambled to make visual

identification.

**INTERCEPTION**

With somewhat more than

200,000 aircraft flights taking

place within NORAD airspace

in any given 24-hour period,

it is a rare day when none of

these shows at the NORAD

combat operations centre as

"unknown." However, the av-

erage number of unknown in

the system has steadily de-

clined over the years until now

the number is less than ten

per day. Of these it is common

to find two or three instances

where interceptors are scram-

bled but recalled before in-

tercept due to further com-

munications checks. The re-

maining unknowns are inter-

cepted and visually identified

by the interceptor crew.

In all, there are more than

40 regular fighter-interceptor

squadrons in the NORAD sys-

tem. In an emergency, these

forces would be augmented by

available fighter aircraft of

the U.S. Marine Corps, U.S.

Air Force, the Air National

Guard, and interceptor train-

ing units of the RCAF Air De-

fence Command. All these

forces are highly mobile and

constantly practice dispersal

and "forward base" deploy-

ment.

**DESTRUCTION**

The NORAD concept of wag-

ing aerial warfare is that of a

"family of weapons," or de-

fence in depth. The aim is to

subject an invading force to

continuous attack from as far

out as possible as it approaches

a target area. An enemy

bomber would first be attacked

by long-range manned inter-



## Underground Chambers For Air Defence

Since World War II, Canada has entered into certain military alliances whose purpose is to deter aggression by joint defence action.

One of these defence agreements is primarily concerned with the air defence of North America and the organization established to implement this obligation is NORAD. A part of the equipment required for the effective operations of NORAD comprises the extension, into Canada, of a Semi-Automatic Ground Environment system of Detection and control. This program is known as Continental Air Defence Integration North, or CADIN.

In the late fall of 1958, the Construction Engineering Sub-division of the Royal Canadian Air Force was instructed to prepare estimates for the construction of SAGE facility in the general area of North Bay, Ontario. Concurrently, studies were being conducted within the United States to determine the feasibility of constructing a system which would be capable of surviving nuclear attack. Preliminary design studies included comparison of the costs of constructing "unprotected" installations from standard plans, with the costs of a facility, based on new plans incorporating protective construction principles.

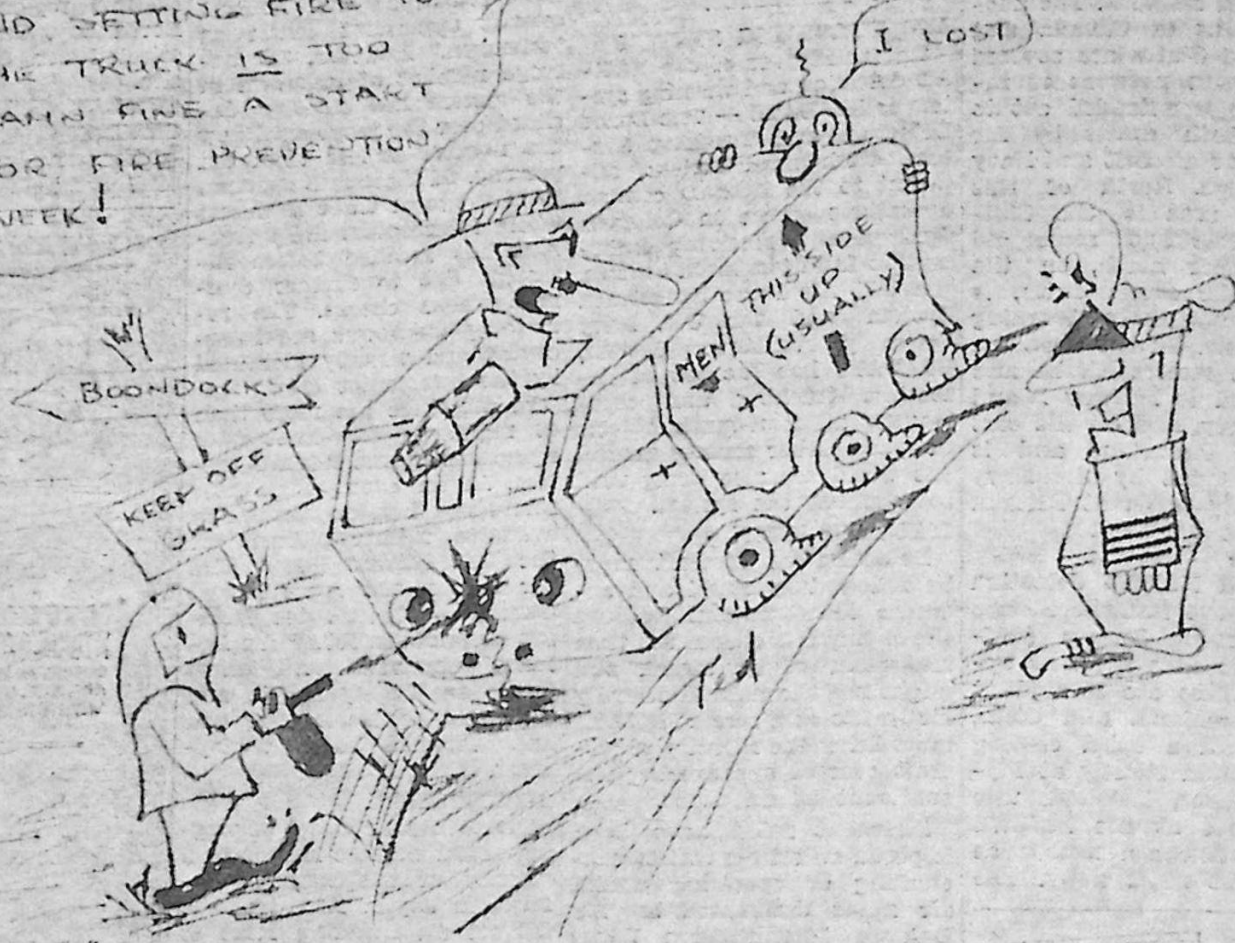
For this project, a group of engineering consultants was engaged by DCL to assist in its development. The group comprises AD Margison and Associates who have been responsible for the production

of plans and specifications for the mining and general construction, and the integration of the work of two additional specialized consultants — HH Angus and Associates for the development of the mechanical installation of the mech-

anical and Catalytic Construction Company of Canada who have developed the design for the electrical installation.

This team of engineers has worked under the direction of the RCAF Construction Engineering design staff. Close co-operation and flexibility have been most necessary as the development of the project has involved new fields of engineering and because design information in the field of thermonuclear effects has not always been readily available. The main sources of such information are primarily within the United States. The

NO SIR, I DON'T SUPPOSE SPINNING OUT ON THE CORNER, DRIVING ON THE GRASS, GETTING STUCK IN THE DITCH AND SETTING FIRE TO THE TRUCK IS TOO DAMN FINE A START FOR FIRE PREVENTION WEEK!



## Pacific Coast Cleaners Have Extended Their Services

Pacific Coast Cleaners are operating an office in Building No. 11, Station Theatre Building, for the purpose of pick-up and return of laundry and dry cleaning.

The hours of operation will be from 0800 hours to 1700 hours daily

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By source, last year's payments by Canadians through the special three per cent taxes credited to the old age security pension were: sales tax, \$302.2 million; personal income, \$273.6 million; corporation income, \$115.3 million.

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1000	30.00	41.45	58.11	91.56
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## From the Distaff Side

LADIES, let's name our NEWS COLUMN.

If you have a brilliant idea for a name for this column, please phone your nearest representative. The prize will be \$1.00 for the most appropriate name.

### DATES TO REMEMBER

On October 23, from 3 p.m. to 5 p.m., the members of the Officers' Wives Club will be hostesses to a tea in honour of Mrs. G. Pearkes, wife of the Lieut.-Gov. of British Columbia. Get busy girls and make your hats. See you at the tea.

### OVERTURE CONCERT SERIES

Season tickets for the Overture Concert series held in Courtenay during the winter months, will go on sale the week beginning October 14. Anyone interested please contact Mrs. G. M. Adamson, PMQ 96, phone 339-2693.

### PROTESTANT CHAPEL

**GUILD (Rummage Sale)**  
The RCAF Protestant Chapel Guild is holding a rummage sale in the Elk Hall, Courtenay, Saturday, October 19, from 10 a.m. to 12 a.m. Any contributions of clothing, etc., will be appreciated. Please contact Mrs. G. Adamson, PMQ 96.

### COMOX ALTAR SOCIETY

(Card Party)  
On October 17, the Altar Society of Comox is holding a Card Party at 8 p.m. in the Catholic Rectory, Comox. Admission is 50c and lunch will be served. Everyone welcome.

A reminder to ladies of PMQ and Tyee Park is in order. There is a clothing drive on for the Indian Reservation, Duncan, B.C. There is a desperate need for clothing for children and adults. The thanks of Father Rossiter to all of you who have helped in this worthy cause. Clothing can be left at the Catholic Chapel Annex before or after Mass, or with any member of the CWL.

### SOCIAL NEWS

A farewell party was held at the home of Mrs. W. Meronyk, for Mrs. C. Finlay, mother of Mrs. Joe Hamilton. Mrs. Finlay who comes from Scotland, has been visiting her daughter and family for the past few months. The guests included Mrs. D. Donaldson, Mrs. Joe Hamilton, Mrs. P. Bremner, Mrs. J. Savill and mother, Mrs. E. Dunnett and Mrs. W. Johnson. A delicious lunch was served, and all wished Mrs. Finlay a safe journey home. We will miss her.

On October 2, a baby shower was held for Mrs. Denise Zachar, at the home of Mrs. Norma McPhee. A pleasant evening was spent playing games followed by a buffet lunch. Mrs. Zachar received a lovely assortment of gifts. The guests included: Mrs. M. O'Shea, Mrs. M. Lewis, Mrs. F. Senwick, Mrs. R. Ray, Mrs. L. Hasink, rs. P. Bonnet and rs. P. Bailey.

### CONGRATULATIONS

On October 3, a farewell party was held for Mrs. Marg Meloche at the home of Mrs. J. Rozon. Fourteen guests gathered to bid Marg a fond farewell. The Meloche family are leaving for Halifax on October 10. We all hope you have a safe trip, and lots of luck.

Wedding congratulations go out to Mr. and Mrs. Ray Riege who just arrived from Winnipeg. Best wishes from us all.

### HOUSEHOLD TIPS

White keys of piano — Apply a paste of whiting and lemon juice, allow to dry before wiping off. Whiting may be purchased at any drug store.

Glassware — If you haven't a plastic or mache bowl, always place a soft thick towel in the bottom of the sink before washing valuable glassware. Use a brush on cut glass to remove the dust from the crevices, plus warm water and detergent. A little touch of the blue-bag in the rinsing

water will improve the sparkle.

### USEFUL HINTS

**Poaching Eggs**—Add vinegar to boiling water to keep white and yolk intact. Don't use too much vinegar or they will come out pickled???

To soothe tired and aching feet, soak them in warm water to which has been added a cup of vinegar.

### RAINBOW CAKE

**Favourite Recipe from Mrs. Ireland**  
2½ cups sifted Swans Down Cake Flour  
1 tsp. soda  
1 tsp. salt  
2 tps. baking powder (Calumet preferred)  
1 cup shortening  
1 cup sugar  
1 pkg. Jell-O (Raspberry, Strawberry)  
2 eggs, unbeaten

Milk (see below for amount)  
With butter, margarine or lard, use 1 cup milk.  
With vegetable or any other shortening, use 1 cup plus 2 tbsps.

Sift flour once, measure, add soda, salt and baking powder and sift together 3 times. Cream shortening, add sugar and Jell-O gradually and cream together until light and fluffy. Add eggs one at a time, beating well.

Add flour alternately with milk, a small amount at a time, beating after each addition until smooth. Turn into two round 9-inch layer pans, 1½ inches deep, which have been lined on bottoms with paper. Bake in moderate oven (375 deg. F.), 25-30 minutes. Cool.

### JELL-O SEVEN MINUTE ICING

3½ tbsps. Jell-O (any flavor)  
1 cup very hot water  
1½ cups granulated sugar

2 egg whites unbeaten  
Dash of salt  
Dissolve Jell-O in water in top of double boiler. Add sugar, egg whites and salt. Beat mixture about one minute with rotary or electric beater until well mixed. Then place over rapidly boiling water. Beat constantly with rotary egg beater (or high speed electric mixer) and cook about seven minutes or until frosting will stand in high peaks. Immediately transfer frosting to another bowl and beat about one minute, or until thick enough to spread.

### CHARITY

There is so much that is bad in the best of us, and so much that is good in the worst of us, that it doesn't behoove any of us

To talk about the rest of us.  
**NEWS NEEDED — CONTACT**  
Kay Rushton 339-2156  
Nancy Fanning 339-3003

Carol Milner 339-2620  
Tyee Park 339-2427  
June Bremner Tyee Park 339-2592  
Bea Johnson Tyee Park 339-3664  
Mary Wetmore Tyee Park 339-3125  
Dorrie Estline Tyee Park 339-3125  
Mary Cando Tyee Park

### BEAUTY TIPS

**Olive Oil** — When hair is out of condition and feels like hay, a series of hot oil shampoos are very beneficial. Hands that are kept hidden from view should have an olive oil bath. Heat some oil in basin over a pan of boiling water until it is as hot as you can stand it. Massage the hands well, then wrap them in a towel which has been wrung out in boiling water and relax until the towel cools. If nails are brittle and cuticles cracked, wrap each nail in cotton wool soaked in oil before enveloping them in a towel. Dry hands (Continued on Page 7)

# BUY CSB 63

YOU CAN EARN  
**5.03%**  
ON SAVINGS

### EASY TO BUY

You can buy Canada Savings Bonds for cash or on instalments. Buy them on the Payroll Savings Plan at work—or at banks, authorized investment dealers, stockbrokers, trust or loan companies. They come in denominations of \$50, \$100, \$500, \$1,000 and \$5,000 up to a limit of \$10,000 per person. They fit every pocket book!

### SIMPLE TO CASH

You can cash Canada Savings Bonds anytime at their full face value plus earned interest. When ready money is required all you have to do is complete the redemption form on the Bond, and present it to your Bank. You will receive your money immediately. Canada Savings Bonds are better than cash!

### GOOD TO KEEP

You get interest on Canada Savings Bonds on November 1st each year — 4½% for each of the first 2 years; 5% for each of the next 6 years and 5½% for each of the remaining 4 years—giving an average return of 5.03% a year when held to maturity. In 12 years with accumulated interest every \$100 Bond will be worth \$161.00.

# CANADA SAVINGS BONDS/63



## ADMINISTRATOR AND FIREFIGHTER



As administrator as well as a firefighter, Sergeant Bob Jardine, 44, of Alta Lake, B.C., catches up on his paper work as part of his regular duties as a firefighter at RCAF Station Comox. Sgt. Jardine, a veteran of 22 years as an RCAF firefighter, is the son of Mrs. L. Neiland, 3439 West 7th Ave., Vancouver, B.C., and has been stationed at RCAF Comox for the past five years.

## AIRFORCE FIREMEN PRACTICE



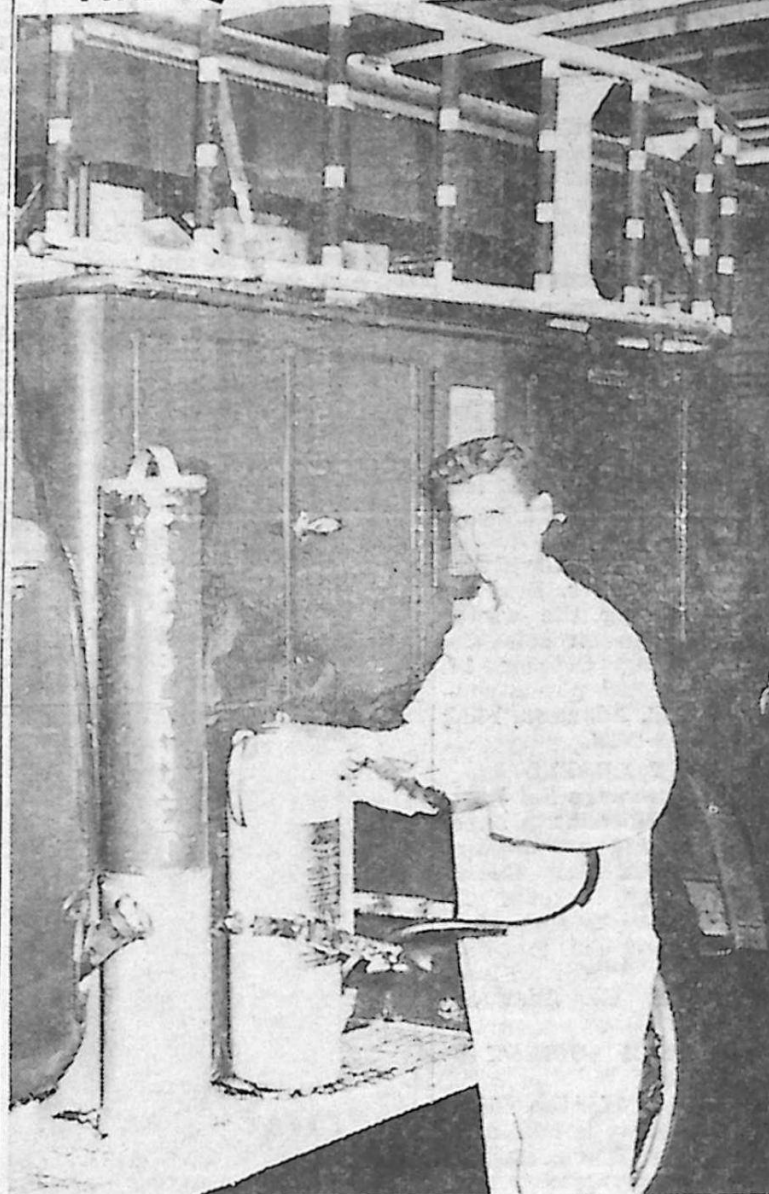
Routine fire practice keeps RCAF Station Comox firemen and equipment in top form. Here, airman firefighters have an afternoon work-out in the Comox airfield practice area with a simulated gasoline fire.

## FIREFIGHTERS WITH NEW EQUIPMENT



Learning is a never ending process with the firefighters at RCAF Station Comox Firehall. Leading Aircraftman M. V. "Tex" Ireland, 31, of Melville, Sask., right, is briefed on the portable radio by Deputy RCAF Fire Chief, Flight Sergeant Al Slakat, 35, of Montreal, P.Q. Flight Sergeant Slakat, a veteran of 17 years in the RCAF, has been stationed at Comox for two years. LAC Ireland, son of Mr. W. Ireland, Willemar Ave., Courtenay, has been an RCAF firefighter for nine years.

## FIRE EQUIPMENT MAINTENANCE



Daily checking and maintenance of fire equipment is a must at RCAF Station Comox. Checking one of the auxiliary extinguishers on a Comox based fire truck, Leading Aircraftman Joseph Riverin, 21, of Kenogami, Quebec, performs just one of the daily checks which are done on all the fire equipment at RCAF Station Comox.

LAC Riverin, a member of the firefighting trade in the RCAF for 20 months, is the son of Mr. B. Riverin, 21 St. Josephs St., Kenogami, Quebec, and has been stationed at RCAF Station Comox for the past nine months.

## ALL READY TO GO



RCAF Firefighter, Andrew "Kaz" Kazimer, 31, of Vernon, B.C., takes his station on the rear of a RCAF fire truck at RCAF Station Comox.

Dressed in his heat protection suit, LAC Kazimer is one of the crew of airforce firefighters who are on round the clock readiness at RCAF Station Comox. A member of the firefighting trade in the RCAF for ten years, LAC Kazimer is the son of Mr. J. Kazimerchuk, 2650 27th Street, Vernon, B.C.

## National Fire Prevention Week

The week of the 6 to 12 of October is Fire Prevention Week across North America, and in keeping with this, the RCAF Fire Hall and staff at RCAF Station Comox are engaged in a large scale public education and information program, aimed at the RCAF personnel and their families in and around the air base at Comox.

Posters and pamphlets, housing inspection, and an open house at the Fire Hall on the Station are just a few of the activities planned for the week.

This is an annual event at all RCAF Stations across Canada and overseas, and it is partially due to this never ending education program that RCAF Station Comox can point with pride to the fact that there has not been a major fire at the Station for the past ten years.

## WILL YOU DIE NEEDLESSLY?

## Simple care with fire will save many hundred lives

Fire Prevention Week, or any week, is a good time for all of us to pause in what we are doing and give a thought to care with fire.

It could save your life.

Too many fires need never have happened, and a little care on the part of all of us can reduce our tragic fire toll in lives and property destroyed.

On the average, about 170 fires start in homes in Canada every day. Last year 620 persons lost their lives in fires and hundreds more received bad burns.

And last year, dollar fire losses in Canada totalled \$126,000,000.

The tragic thing about all these fires is that about three-fourths of them were the result of carelessness, according to the Canadian Underwriters Association.

With a little care, lives can be saved and needless burning of property prevented.

Here are a few suggestions that may keep your home fire safe:

Never leave small children alone. Even if you are leaving for only a few moments, get a responsible person to stay with them. When going out for an extended period of time, employ a baby sitter.

Small children and elderly people are the more frequent fire victims. If there are elderly persons in your household, plans should be made to get them out of the house quickly in case of fire.

Use care with cigarettes. Never discard a cigarette or drop a match without being sure it has been extinguished. It's a good plan to break a match, after using just to be sure it is out. Keep matches out of reach of children. And never smoke in bed.

Keep a flashlight handy for use in dark places. Never strike matches or carry lit matches or candles into closets or attics.

Keep your electrical appliances in safe condition. Take them to a qualified repairman if they have loose connections or frayed or worn cords.

Throw out old newspapers, magazines and other waste



"Just a room - I'll manage my own bath!"

combustibles regularly, rather than let them accumulate in the basement or attic. These are the things on which fires feed.

You are the one who can help keep your home safe from fire.

## Scout News

Back again with a little more news and scouting views from 2nd Comox troop.

Last time we said there would be more on the "Island Gathering" held at Parksville. This we find though has been quite well taken care of by an article in the local "Green Sheet."

For those who may have missed it, our Nighthawk Patrol was one of the 53 patrols who attended. There were 278 scouts in attendance, 5 were from our troop.

The following boys were all members of the Nighthawks. Patrol leader Larry Manning, patrol second Ken McRae, Ron Raiwet, Don Bishop and Leonard Bonnett. For a personal account it is suggested you contact any of the above scouts. From all we hear, it was a most enjoyable camporee, with badge and neckerchief swapping being the greatest feature of the last day.

Monday, and troop night again. The meeting opened with flag break, followed by the registration of six additional scouts. The remaining portion of the evening was spent at the station fire hall. Here the scouts were kept interested and busy doing such things as trying on equipment, experiencing the feeling of using a high pressure hose, climbing on, and looking into the different types of fire trucks. All were shown what happens when an alarm is turned in, and how to properly turn in an alarm.

On the 19th October, a scout patrol leaders conference will be held at Comox. So we'll have something of this when we next appear. Till then, good scouting!

## Distaff Side

(Continued from Page 5) carefully and work in hand cream. Have your neighbor handy to help you with this one.

**DEFINITION**  
Imagination — Something that sits up with a woman when her husband comes home late.

What makes the average man think he can run the business better than his boss.

## HATCHERY DEPARTMENT

Congratulations

Alice Hynes — a boy.

Joyce Gneau — a girl.

Mrs. Doucette — a girl.

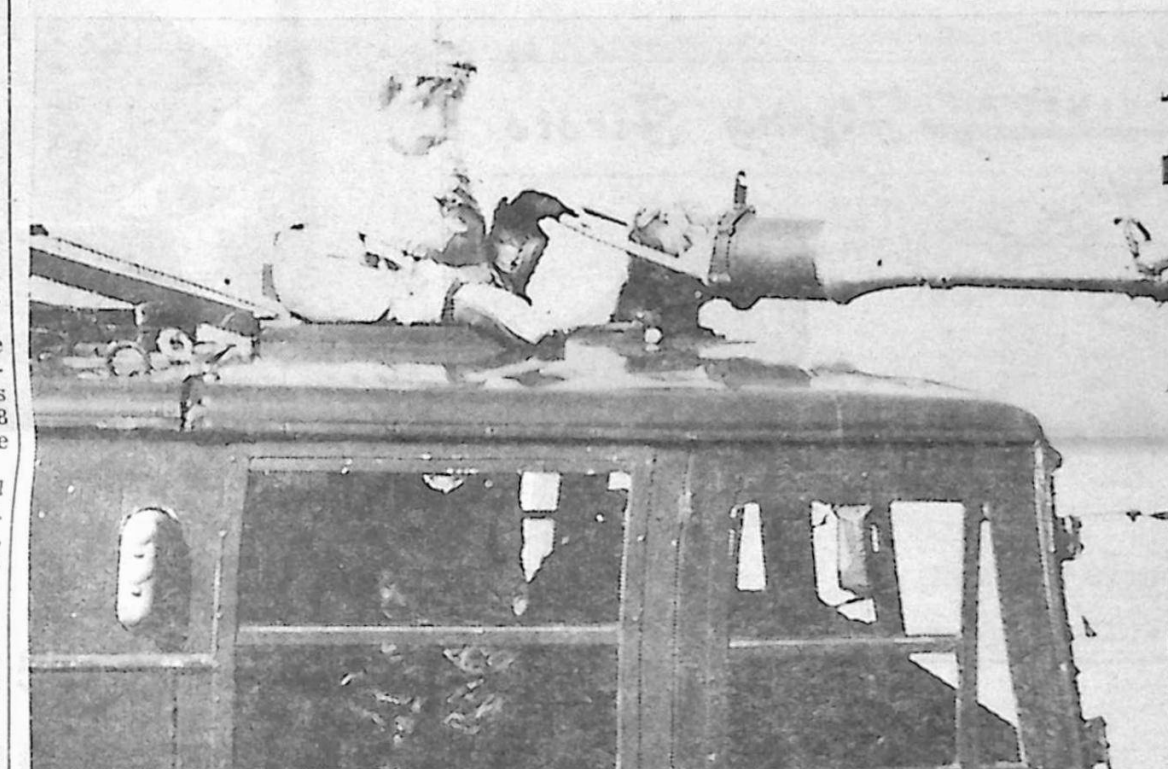
Mothers are doing fine.

## GIANT CRASH-RESCUE VEHICLE



Looking more like a "moon vehicle" than a crash-rescue truck, this giant G19 foam delivering, Rolls-Royce powered monster sits poised at the RCAF Station Comox Firehall, ready to respond to any aircraft emergency. Capable of delivering 5,000 gallons of foam per minute from its huge "gun" atop the cab, the G19 has been used on occasion to lay down a carpet of foam for aircraft landing with their wheels jammed in the "up" position. Built in England by the Elvis Company, and powered by a Rolls-Royce engine, the G19, which weighs 13 tons, carries a crew of six, and can operate over almost any terrain. The automatic-drive vehicle can be operated entirely from the cab by the driver, who sits in the middle of the very roomy interior.

## "OUT OF THIS WORLD" LOOK FOR FIREFIGHTERS



Looking more like an astronaut than a firefighter, Corporal Jerry Baginski, 28, of Hamilton, Ontario, mans the foam "gun" on a giant G19 crash-rescue truck, clad in his protective clothing at RCAF Station Comox. Cpl. Baginski, a member of the RCAF for 10 years, is the son of Mr. and Mrs. J. Baginski, RR2, Linwell Road, St. Catharines, Ont., and has been stationed at RCAF Station Comox for three years.

## CHIEF EXPLAINS FIRE ALARM SYSTEM



"At the 'heart' of the network of fire alarm boxes and fire telephones scattered around RCAF Station Comox, is this 'tape punch' signal board which gives the location of the alarm as soon as it is turned in. Explaining the workings of the complicated board is the RCAF Fire Chief in Comox, Warrant Officer Second Class Walter Yeomans, 42, of Saint John, New Brunswick. Warrant Officer Yeomans, a veteran of 21 years service in the RCAF, is the man responsible for maintaining the Fire Section's equipment and its men in a high state of readiness at all times, on a 24 hour, round the clock basis.



## Tractors Rate High In Farm Accidents

Tractors are involved in more farm accidents than any other type of equipment, according to the National Safety League of Canada. The League adds, however, this is because they get more use than other machines.

NSL supports Farm Safety Week being observed in the United States and most of Canada from July 21 to 27.

P. G. McLaren, the league's general manager, pointed out that a farmer is responsible for safety in his home as well as his industry. He may use as many as 35 different types of machinery during the year. The variety and complexity of this machinery may make his work faster and easier but not necessarily safer.

Mechanical failure, NSL reports, is rarely responsible for accidents involving modern farm equipment. "Nearly every such accident," Mr. McLaren said, "results from the operator's mistake." He cautioned that common sense, care and undivided attention must be exercised in the operation of mechanical equipment.

On the farm, falls are the predominant killer and produce more sustaining injuries than

any other type of equipment. A farm worker must repeatedly climb on and off his equipment. He works in all kinds of weather. Frozen or wet ground makes slipping easy. Oil or grease on a tractor step, loose or cracked rung on a ladder, can lead to painful and expensive accidents if unnoticed or ignored.

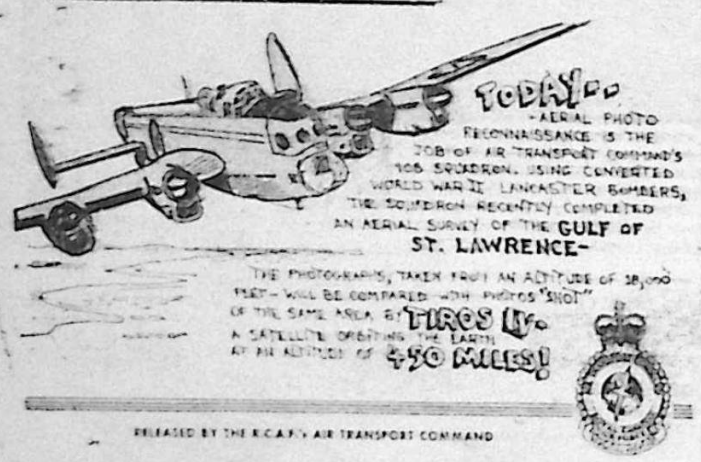
Nor is the farm home exempt. About two-thirds of the nation's fatal falls occur in the home and the farm home is no different in this concern than the town home. Falls happen because of too much hurry, too little attention to surroundings, using equipment unsuited to the job, and putting off the removal of obvious hazards. Positive steps requiring only a moment, if taken immediately, will eliminate many causes of falls, said the League.

Keep stairs and passages clear of clothing, tools and toys. Protect outdoor steps and porches from weather damage and rotting. Fasten floor rugs securely and avoid loose scatter rugs. Use ladders in good repair instead of makeshiftes and see they are on firm footing and at a safe angle. Move the ladder—don't reach.

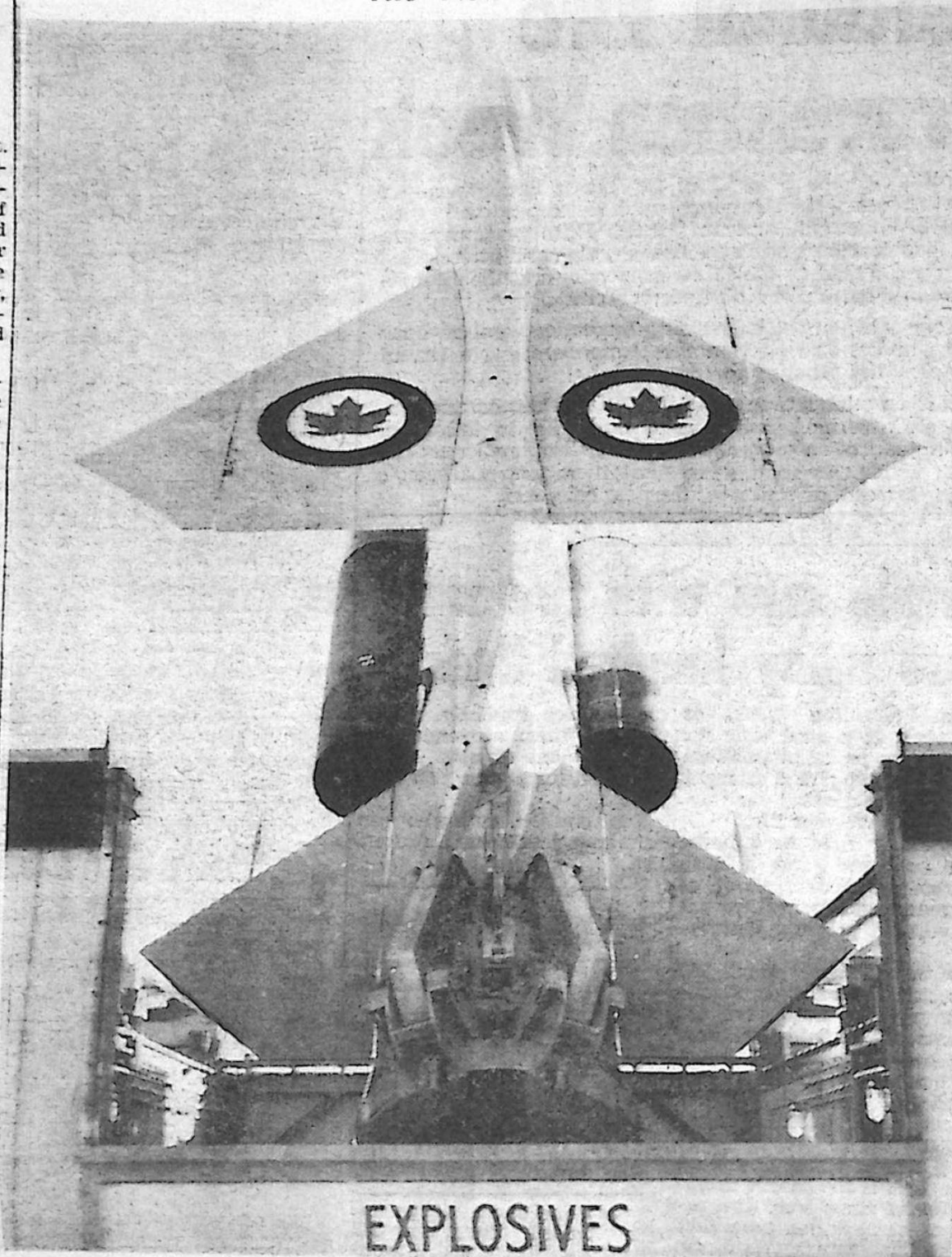
### CANADIAN Flying Firsts



**WORLD'S FIRST AERIAL BUFFALO CENSUS**  
AERIAL PHOTO  
RECONNAISSANCE IS THE JOB OF AIR TRANSPORT COMMAND'S 446 SURFACE TO AIR MISSILE SQUADRON. USING CONVERTED WORLD WAR II LANCASTER BOMBERS, THE SQUADRON RECENTLY COMPLETED AN AERIAL SURVEY OF THE GULF OF ST. LAWRENCE.



### The New Bomarc



### EXPLOSIVES

BOMARC B INTERCEPTOR missiles in use with the RCAF's 446 Surface to Air Missiles (SAM) Squadron at North Bay can be launched singly or in salvos. Initially the missile follows a vertical path, then levels out in the general direction of its target, guided by commands from SAGE. When its own integral radar finds the target, it locks in and homes in for the kill.

## 446 Surface To Air Missile Squadron

Destined to become operational at the same time as the new underground SAGE installation at North Bay, 446 Surface to Air Missile Squadron, also of North Bay, is the first Bomarc base in Canada.

Administratively, a part of Station North Bay, 446 SAM unit is located a few miles north of the air base. Their charges, the Bomarc missiles

and guides it to the immediate target area.

The Bomarc missile has a range of more than 400 miles, a supersonic speed, and a "kill capability" from sea level to more than 70,000 feet.

### HIGH COST OF SOCIAL SECURITY

State spending on social security and welfare now averages about \$900 per year per family in Canada. Of the total, about two-thirds is spent by the federal government, the remainder by the provincial and municipal governments combined.

### Beaton



Thanksgiving ~ 1963

## Give the Band a Hand SAGE

By NOR

The Station Band is re-organizing and re-forming into what we hope will develop into a well trained and proficient organization, but this takes time and patience on the part of everyone. Without the support of personnel interested enough to play in the band as well as the support of each and every person on a unit, the band or any organization cannot hope to flourish or attain any degree of proficiency. Instead these organizations remain at a low level, hampered by poor morale and contributing little to the Station.

Have you ever stopped to think how much music plays a part in your daily life? Or have your emotions ever been moved or thrilled by the effects of music? Even the most avid of music haters, when they stop to think about it, have to admit that the latter has happened at some time in their lives. It may not have been today or yesterday, or last week or last month, or even last year, but at some time music has stirred them.

It may have been a catchy Pop tune heard on the radio; it may have been the first time they moved to music on a dance floor, or heard the quiet strains of a symphony orchestra, or the loud rhythmic pulse of the drums, or the exciting splendor of a big marching band, or the first time they played a sour scale on a musical instrument. I am positive if you think about it MUSIC has thrilled you or played a definite part in your daily life.

Have you ever stopped to think how dull this world would be, or more directly connected to you, your environment would be without any music? People listen to music, advertise to music, study to music, learn to music, eat to music, work to music, dance, walk, march, and even sleep to music. It is, whether we admit it or not, a very important element of our daily and even more important our social life. It is unimaginable the amount of money spent

annually on records and sheet music alone in Canada. What would YOUR life be like without MUSIC?

You could always take your wife or girl friend to a party and sit and talk all evening—that should prove interesting. I guess in time we could train ourselves to enjoy nothing but a person talking every time we turned on the radio or TV. You would no doubt in time accept watching a parade, seeing and hearing nothing but a few colorful uniforms and the steady purr of the engines pulling the floats. In time you might even enjoy Christmas with nothing but speech to remind us of the joyous occasion, but this cannot replace the warm togetherness feeling a soft carol can bring into our homes. Yes, you have to admit, music good or bad is here to stay. It would be an awfully dull life without it.

We have on this unit a group of individuals who, while not professionals yet, are attempting to form a band that will be acceptable musically to the ear. A band that in time not only the members will be proud of, but also that you will be able to say "That band doesn't sound half bad." We are open to constructive criticism, good or bad (we've got broad shoulders), but don't just tell us we sound bad or good—tell us WHY you have this opinion, in this way we can improve. When a band sounds bad or puts on a bad performance, the bandmen are aware of this before you. We welcome your comments.

We have a few positions open in the station band that possibly you could help us fill. I am sure you would in time enjoy it and be rewarded in that you have found an interesting and worthwhile hobby. How about you—giving the band a hand?

The Yukon and Northwest Territories occupy 39 per cent of the surface of Canada, about equal to the combined areas of British Columbia, Alberta, Saskatchewan, Manitoba and Ontario.



**YOU ARE BREAKING THE LAW**  
To carry firearms or traps without a licence.

Reg. Sec. 33 (a) & (b) Game Act (R.S.B.C. 1960, Chap. 160)

advance, in the programming of computers.

SAGE computers receive, store and compare flight data... Air Base and Missile Locations... readiness, types and numbers of interceptors... and, quite important, meteorological conditions. Performing mathematical functions at speeds measured in terms of microseconds (one half-millionths of a second) the computers present this information and identify courses of action available to the commander.

Here is why SAGE is semi-automatic. At this stage there is a middleman; Air Force personnel will make key decisions.

A technician can make push-button demands—give me all information on RCAF "Voodoos". Where would be the intercept point for a BOMARC? Manned Aircraft? A U.S. Army intercept by NIKE missile—

Man sets the decision into SAGE.

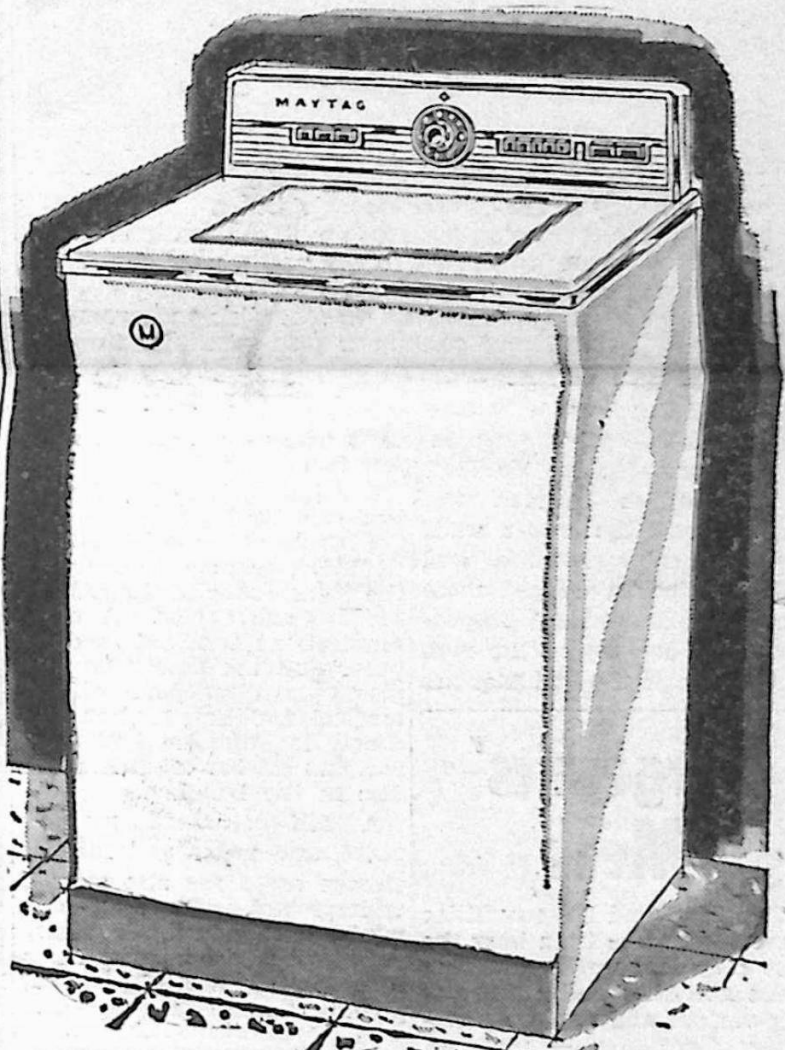
Automation again takes over, with SAGE directing the actions of the air battle. It solves intercept equations—course of target, speed, altitude, point of interception.

SAGE computers automatically alert adjacent Direction Centres, which in turn alert Combat Centres, when the air action moves to a new area—or would take over if adjacent sectors were knocked out—as well as send summaries to similar computers at the next higher headquarters.

Now, as the last sector of SAGE becomes operational an interlocking chain provides surveillance and protection for our spacious but saturated skies.

## MAYTAG BIG CAPACITY Automatic Washer

that gives years and years and years of trouble-free service



There is a Maytag model to suit every budget

THE MODEL A500 PICTURED ABOVE FEATURES:  
2-speed operation — Automatic water level control — Metered fill — Not affected by fluctuating water pressure — 3-selection water temperature control — Perforated lint remover wash basket — Full cycle safety lid and tub brake — Guaranteed against rust.

RATED No. 1 WASHER BY CONSUMER REPORTS

Model A500 only **399.95**

Come in for a demonstration today

"MAYTAG" — The most economical washer you can own.

## Finlayson Furniture

THE STORE YOU CAN TRUST

on 5th St., Courtenay 334-3631

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## PERSONAL LOAN

from

CANADIAN IMPERIAL  
BANK OF COMMERCE

A new car for your family? New appliances for your home? Get whatever you need now—with a Personal Loan from the Canadian Imperial Bank of

Commerce. Low interest rates. Life-insured for your protection. Convenient repayments. See your helpful Commerce branch manager today.



Over 1260 branches to serve you



## North Bay's SAGE Site



The North Bay SAGE complex consists of a tunnel, running from Trout Lake on the south to RCAF Station North Bay approximately two miles to the north, plus five caverns that have been mined adjacent to it. The caverns housing the site are 45 feet wide and average 54 feet in height, and contain a free-standing, three-storey building with a total floor area of 142,000 sq. ft.

The building itself is 32 feet wide with wings varying in length from 230 to 430 feet. The clearance between the building and the cavern walls contains cabling, ducts and piping, allowing enough room for essential periodic inspections and sealing of the rock walls. Inside the buildings are

## Sergeants' Mess

The PMC and his committee have been more than busy the last couple of weeks, planning mess activities and entertaining various and numerous visiting dignitaries — plus, of course, running the best mess in Canada.

FS Wilf Hetman was the big drive behind the forming of a Sgts. Mess Crib Team, that is presently playing in the Comox Valley Cribbage League, ably captained by Sgt. Willy Fisher (414) and secretary WO2 Jock Smythe. The best of luck, team!

Our welcome and also sincere congratulations to three new members that have been promoted into our Mess: Sergeants Norm Osland, Art Gallant and Ken Bayer.

A small farewell get-together was held for FS Jim Craig last Friday. A silver tray was presented by W/C Adamson, on behalf of the Mess. Jim is retiring over on the Mainland. The best of luck, Jim, in your new endeavours.

Don't forget the Bottle Bingo in the Mess on Saturday 19 October. Bingo starts at 8:30 p.m. with good prizes and in some cases even a consolation that you won't want to miss. Dancing following the bingo with some of WO "Red" Costain's special food at midnight.



Say It With Flowers From

## The Garden Patch

\* The time has arrived for outside planting

All Varieties of Shrubs and Roses

at  
**GARDEN PATCH FLORIST**  
431 - 5th Street  
Phone 334-3213

## LAKE and STREAM

By NUBE-ROD

What with leave, TD, exercises, etc., this column has been neglected for a fairly lengthy period and I just know that it has been badly missed by the faithful.

With the decline in popularity of chuck fishing during the past week or so, the rivers are showing signs of increased activity. I have heard of good catches, both trout and grise, from the Oyster and Puntledge rivers and I have enjoyed three profitable outings on the Courtenay and Puntledge rivers.

I have experienced a few exciting moments at the Marina during the rising tide, and while my "netting average" has not been too high I have enjoyed the sight of the trout rising to the fly on many occasions. The run of cutthroats presently in the river are generally of a good size and are surprisingly active when hooked.

I forsook the World Series game on Saturday afternoon and took to the river to my favourite pool, near the power station. It was dull and rainy and the hike was not too pleasant; however, the trout were in evidence from the start and when I left the pool two hours later I had landed three good sized cutthroat, lost a good one after about 10 minutes and had raised several more fish including a coho and a grise. I was also treated to a display by salmon that obviously believed they were Polaris missiles. It was a lovely afternoon in spite of the dreary weather.

## QUICK QUIZ

1. Which province of Canada has the most miles of sea-coast?

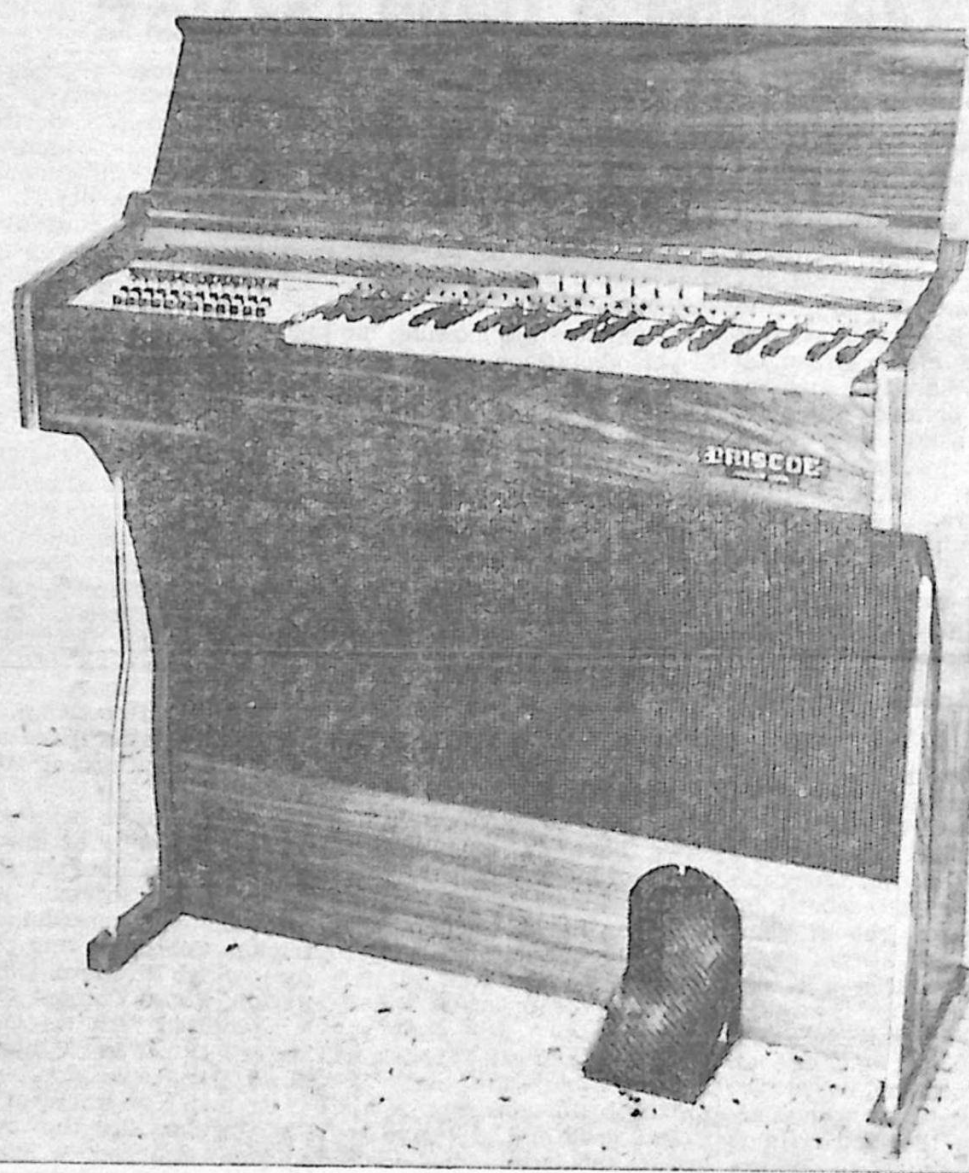
2. What is the yearly pay of a member of the House of Commons?

3. In 1947 the average weekly wage in Canadian manufacturing was \$37.19. In 1957 it was \$64.96. What is the current figure?

4. Apart from the St. Lawrence, which is eastern Canada's longest river?

5. Of the 299 Canadian radio and television stations, how many are government owned?

ANSWERS: 5. Of the 299 stations, 59 are CBC-owned and 240 are privately owned. 3. At March, 1963, average weekly manufacturing wage was \$79. 1. Newfoundland, which includes the coast of Labrador. 4. The Ottawa River, just short of 700 miles in length. 2. \$18,000.



At EATON'S—Friday & Saturday, Oct. 11 & 12

SEE THE BRISCOE HARMONY CHORD ORGAN

DEMONSTRATED

You can play in a matter of minutes

**Briscoe Harmony Chord Organs!**

The Briscoe Harmony Chord Organ is so easy to play, has full-size piano keys so that even a child can switch from piano to organ. Indeed, everyone in the family will enjoy playing their favourite tunes "almost instantly." The Swedish blue, stainless steel reeds never need tuning! And the smartly designed cabinet, featuring a light-fitting, dust-proof lid, comes in rich oiled walnut veneer that will enhance any decor.

## CHECK THESE ADDITIONAL FEATURES:

- A precision musical instrument, complete with numbered sheets and notes . . . so easy!
- The compact styling makes these organs portable, perfect to take to parties and gatherings!
- Keyboard features 41 full-size piano keys, providing 72 full rich chords!
- Foot pedal volume control — full console styling!

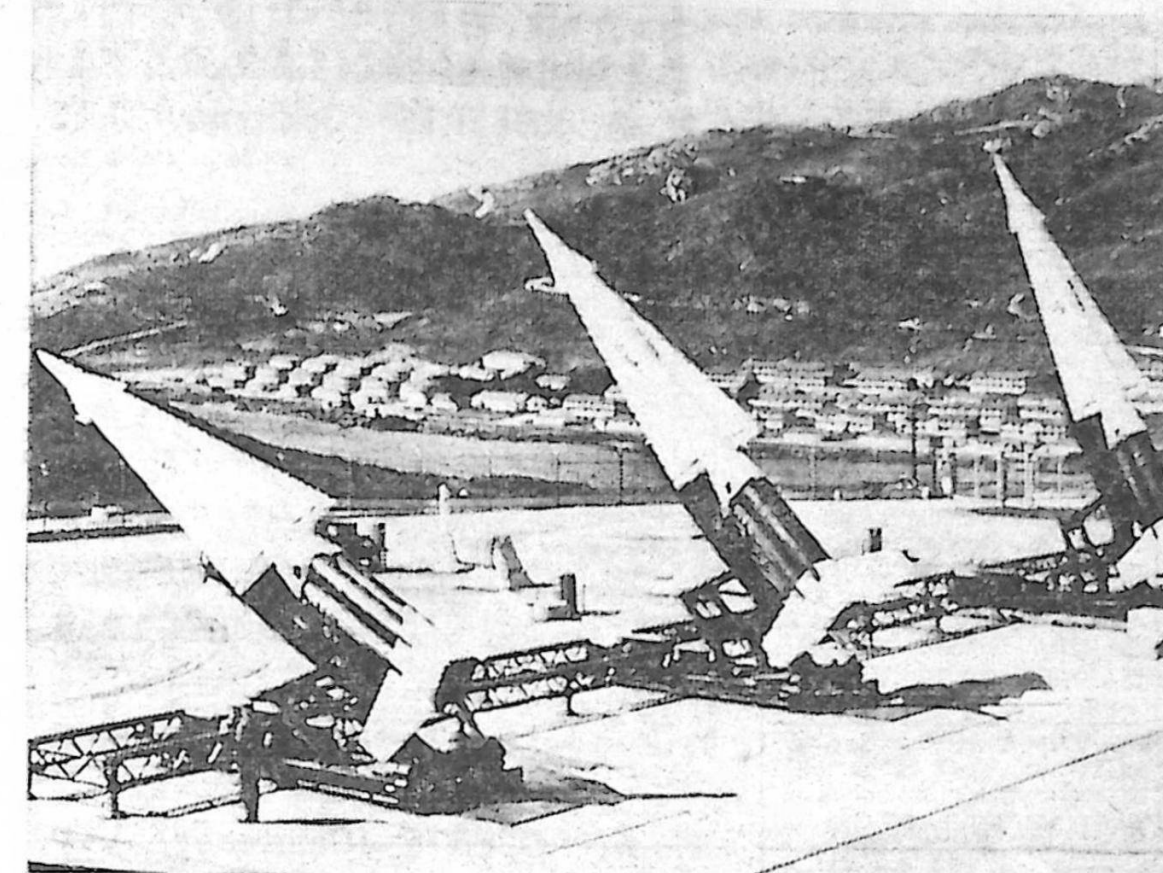
EATON'S Price,  
Model B-4172

**299.95**

Several other models available, priced from 149.95

You can shop with assurance at **EATON'S**

## NIKE-HERCULES



Type: Surface-to-air missile; weight: approximately five tons; length: 39 feet; altitude: from 1,000 feet to more than 150,000 feet; nuclear warhead; range: more than 75 miles.

## Third Radar Station Joins Missile Warning Network

COLORADO SPRINGS — (NNS) A \$1 billion project launched nearly six years ago to build an electronic fence across the top of the world to give warning of missile attack has been completed.

The third station in the Ballistic Missile Early Warning System, at Flyingdales Moor in Yorkshire, England, was commissioned and began sending out aerospace-surveillance data Sept. 17.

Flyingdales joins two other NORAD, has people of its 9th Aerospace Defense Division at BMEWS installations — at Thule, Greenland, and Clear, Alaska — in extending an electronic umbrella 3,000 miles or more over all of the Eurasian land mass from which ballistic missiles might be launched.

Data from all three is now flowing into the North American Air Defense Command combat operations center here for display on electronic maps and simultaneous relay to the Strategic Air Command, the Pentagon and the Royal Air Force. RAF Fighter Command gets a direct readout from the Yorkshire site.

Warning of imminent attack also would go to RCAF headquarters in Ottawa and to Supreme Headquarters, Allied Powers in Europe.

The value of the system's contribution to deterrence lies in its ability to alert aerospace defense and counter-strike forces so they may be used with maximum effectiveness and not be destroyed on the ground by surprise attack.

The commissioning ceremony was climaxed with a telephone conversation between Air Marshal Sir Douglas Morris, air officer commander in chief of the RAF Fighter Command, and Gen. John K. Gerhart, commander in chief of NORAD.

General Gerhart reported he was observing the readout of the Flyingdales informational inputs on the BMEWS display board in the combat operations center here.

"We have also confirmed that your transmission are being received in the national military command center in Washington and in the Strategic Air Command command post," he told Air Marshal Morris.

Operational control of the Flyingdales site will be jointly exercised by RAF Fighter Command for the United Kingdom and by NORAD for North America. Air Defense Command, a USAF member of

diately any ballistic missile attack against Canada, the United States or the United Kingdom.

Two types of radar are used. The detection radar has a fixed antenna, 400 feet long and 165 feet high. The tracking radar has a rotating antenna, 24 feet in diameter and housed in a 140-foot radome.

Site I at Thule, which began operating in 1960, has four detection radars and one tracking radar. Site II, on operational status since 1961, has three detection radars, while Site III uses three tracking radars. The latter can detect and track not only ICBMs, but intermediate range ballis-

tic missiles to which Europe might also be exposed.

"It's the manufacturers association. They want to know what we make."

*Our*  
**MILK**

IS GOOD...and GOOD for YOU!

Children need milk to grow on. With every glass they get extra vitamins, minerals and proteins for health and strength!

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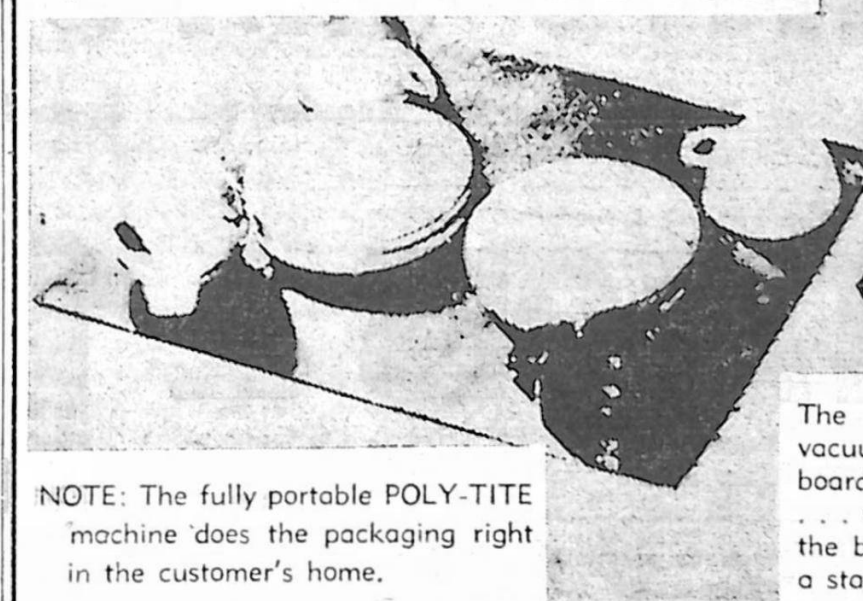
"In The Heart Of The Comox Valley"

**Butterworth's**

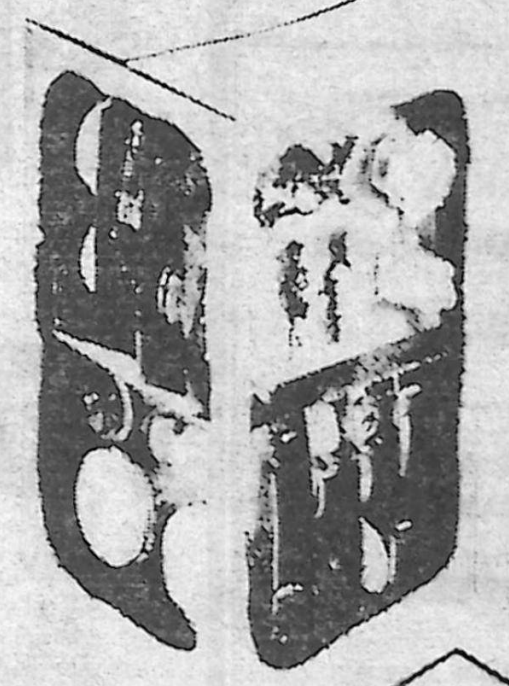
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NOTE: The fully portable POLY-TITE machine does the packaging right in the customer's home.



This photograph of a cut-barrel is packed by the POLY-TITE method. Fast, safe, easy, clean.

The chinaware is securely vacuum sealed in corrugated board with POLY-TITE film . . . without further wrapping the board is then placed into a standard barrel.

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SEWING MACHINE parts and repairs for all makes. White, Elma, Pfaff, etc. Ph. 334-4711, Dave Sawyer at Fletchers.

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## STATION THEATRE

THURSDAY, OCTOBER 10  
SATURDAY, OCTOBER 12  
SATURDAY MATINEE

### THE TARTARS

Orsen Wells  
Victor Mature

SUNDAY, OCTOBER 13

### CARRY ON REGARDLESS

Joan Simmons  
Kenneth Connor

THURSDAY, OCTOBER 17  
SATURDAY, OCTOBER 19

### HATARI

John Wayne  
Elsa Martinelli  
Red Buttons

SATURDAY MATINEE

### THE SAD HORSE

David Ladd

SUNDAY, OCTOBER 20

### BLUE HAWAII

Elvis Presley  
Joan Blackmore

## Quick Quiz

1. What two ocean currents dominate the climate in Canada's Atlantic provinces?
2. Last year Canada sold \$3.6 billion worth of goods to the U.S. What was the value of U.S. sales in Canada?
3. Which of Canada's principal cities was originally named after the British army engineer, Colonel John By?
4. What proportion of Canadian workers are labor union members?
5. In 1939 federal taxation was \$45 per capita, in 1944 \$234 per capita. What is the current figure?

ANSWERS: 5. About \$380 per capita. 3. Ottawa, originally called Bytown. 1. The Gulf Stream and the Labrador Current. 4. About 22 per cent of the labor force. 2. U.S. sales to Canada totalled \$4.3 billion in 1962.

### Fire Prevention—Contd.

us because each of us could be the next victim unless we take steps to prevent fire and to provide proper safeguards to minimize the hazard of fire."

## REAL ESTATE

### H. A. ROBERTS (Courtenay) LTD.

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Opposite Court House

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100% B.C. OWNED  
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