# ON THE AIR

THURSDAY

CFCY-TV

3.30 p.m.—Musicale
4.00 p.m.—Scarlet Hill
4.31 p.m.—Vacation Time
5.30 p.m.—1963 Canadian Open Golf Championship
6.30 p.m.—Gazette
7.00 p.m.—CFCY TV News
7.15 p.m.—Cinema 13-7
I was An Adventuress —
9.00 p.m.—The Defenders
10.00 p.m.—Playdate
11.00 The Untouchables
12.00 p.m.—CBC News
12.13 a.m.—Local Weather
12.14 a.m.—Viewpoint
12.20 a.m.—Sign Off

CKCW-TV

1.45 p.m.—Station Sign On News, Weather, Sport
2.00 p.m.—Summer Playbill Four's A Crowd
3.30 p.m.—Take Thirty
4.00 p.m.—Scarlett Hill
4.30 p.m.—Film Feature
5.01 p.m.—Razzle Dazzle
5.30 p.m.—Yogi Bear
6.00 p.m.—Shotgun Slade
6.30 p.m.—Television News
6.40 p.m.—Television Weather
6.45 p.m.—Hazard
6.50 p.m.—Television Sports
7.00 p.m.—Holiday At Home
7.30 p.m.—Thursday Theatre Man of Conflict
8.30 p.m.—Fair Exchange
9.00 p.m.—The Defenders
10.00 p.m.—Playdate
11.00 p.m.—Checkmate
12.00 a.m.—CBC TV News
12.14 a.m.—Viewpoint
12:20 a.m.—CKCW TV News
12.25 a.m.—Sign Off


TV. CALLS
NITE or DAY
Day 4-3537 Nite 4-4503—4-7462
VAIL'S RADIO & TV.
204 Kent St. Ch'town


CFCY RADIO

THURSDAY

6.28—Sign On
6.30—New & Weather
6.35—Country & Western Roundup
6.55—News & Weather
7.00—Hebrew Christian Hour
7.15—Country & Western Roundup
7.30—New & Weather
7.35—CFCY Farm News
7.41—Country & Western Roundup
8.00—News
8.11—Weather
8.16—Country & Western Roundup
8.45—Weather
8.50—Atlantic News Roundup
8.57—Thought For Today
9.00—CBC News & Voice Report
9.10—Preview Commentary
9.15—Notes & Music
10.00—News & Weather
10.05—Notes & Music
10.40—Mr. Co-op Program
10.50—Notes & Musc
11.00—News Headlines & Weather
11.02—News & Views on Groceries
11.15—Notes & Music
11.45—Bulletin Board
11.50—Notes & Music
11.55—Atlantic News Roundup
12.00—Weather
12.05—Mostly Music
12.30—News & Weather
12.45—Mostly Music
1.00—News Headlines & Weather
1.02—Mostly Music
1.15—Shirley Harmer & What's On Tapp
1.45—Cafe Variety
2.00—New & Weather
2.05—The Chuckwagon
2.15—Hits & Encores
3.00—News Headlines & Weather
3.03—Trans-Canada Matinee CBC
3.30—Notes & Music
4.00—News Headlines & Weather
4.03—Canadian Roundup CBC
4.10—Hits & Encores
4.30—The Outports
5.00—News & Weather
5.05—The Outports
5.25—Marine Weather
5.28—The Outports
6.00—News & Weather
6.15—On Parliament Hill CBC
6.20—Sports Pararde
6.30—Tonight's Music
7.00—Back To The Bible
7.30—News & Weather
7.45—Byline
7.50—Program Schedule
7.51—Red Cross Program
8.05—Tonight's Music
9.00—Continential Holiday CBC
10.00—National News CBC
10.30—Christian Frontiers CBC
11.00—News & Regional Weather
11.05—Starlight Serenade
11.30—News Headlines & Maritime Weather
11.35—Starlight Serenade
12.00—News, Reg. Weather & Sports
12.05—Sign Off
10.30—What's Your View
10.35—Notes & Music

CBA

THURSDAY

6.00—The Gerry Fogarty Show Part 1
8.00—News & Inland Weather
8.15—Maritime Sportscast
8.21—The Gerry Fogarty Show Part 2
8.45—Sunshine Society
9.00—CBC News & Direct Reports
9.10—Preview Commentary
9.15—A.M. Chronicle
10.15—Music On The Heather
10.30—To Market With Music
11.00—CBC News
11.05—Women's Commentator
11.15—For Consumers
11.20—Record Album
11.30—The Archers
11.45—Mary and The Music Men
12.00—Jamboree Junction
12.15—Reg. & Jims
12.30—Maritime Farm B'cast
1.00—CBC News & Inland Weather
1.15—Maurice Pearson Show
1.45—The Open Road Show
1.59—Dominion Observatory Time Signal
2.00—The Open Road Show
2.45—Remember Your Manners
3.00—CBC News
3.03—T.C. Matinee
3.30—T.C. Matinee
4.00—CBC News
4.03—Canadian Roundup
4.10—Music In The Air
4.30—Music in the Air
4.45 Music In The Air
5.00—Maritime Fish B'cast
5.20—Tempo
5.40—CBC Notebook
6.00—CBC News & Inland Weather
6.15—On Parliament Hill
6.20—Regional Commentary
6.25—Maritime Sportscast
6.30—Music In The Evening
7.15—Byline
7.20—Marine Weather & Musical Interlude
7.30—Business Barometer
7.35—Rpt. on Cdn. Open
7.45—Assignment
8.00—Radio International
8.30—Soundings
9.00—Continental Holiday
10.00—CBC National News Roundup & Speaking Personally
10.30—Christian Frontiers
11.00—Maritime Mag.
11.30—Moonglow
12.00—Sport Scores & Marine Weather
12.09—Inland Weather

# Cart Before Horse Policy Is Seen In Defence Plans

OTTAWA (CP)—David Groos (L — Victoria) said in the Commons defence committee that the government seems to be making decisions on equipment procurement programs before deciding what defence policy will be.

He said decisions on policy should precede decisions on equipment programs, which were only the means of carrying out policy.

Defence Minister Hellyer said the government felt that if it rubber-stamped weapons programs of the former Conservative administration it would be impossible or extraordinarily difficult to achieve greater flexibility in policy.

Mr. Groos, former naval captain and destroyer commander, and John Lloyd (L — Halifax), the mayor of Halifax, both referred to Mr. Hellyer's announcement that the eight-ship, $374,000,000 frigate construction program is being reviewed.

Mr. Lloyd said the committee apparently would not have a chance to look at the program before the government decided to cancel it or go ahead with it.

Mr. Hellyer said the matter was a government responsibility and that the government could not postpone a decision long.

**WHY NUCLEAR WEAPONS?**

The committee also heard the first public testimony by a government scientist on why nuclear warheads are considered necessary for the Bomarc missile and Voodoo jet interceptor.

Dr. George Field, chief scientist of the Defence Research Board, said such defensive warheads could "cook" the nuclear cargo of an attacking bomber so that this cargo would not detonate.

He said there could be complete "cooking" or partial "cooking," depending on the proximity to the bomber. Partial cooking would permit only a small-scale nuclear explosion of one or two kilotons.

Dr. Field said in reply to Gordon Churchill, former defence minister, that a conventional weapon would have to score almost a direct hit on the bomb itself to cook the bomb.

Dr. Field said in reply to John R. Matheson (L—Leeds) that the probability of a direct hit by the Falcon missile, carried by the Voodoo, is "pretty good."

He said there is no question of the certainty of a defensive nuclear warhead "cooking" a nuclear bomb "within certain ranges."

**DISAGREEMENT CLAIMED**

Marcel Lambert (PC—Edmonton West) said there is some disagreement among physicists on this point.

Dr. Field said he is not aware of such disagreement.

Mr. Churchill asked whether there has been an actual experiment to prove "alleged cooking."

Dr. Field said the U.S. had not given Canada details on what had been done but American authorities were "fully convinced that this is what happens."

Harold Winch (NDP —Vancouver East) said the government had taken a decision to acquire nuclear warheads without full information.

Mr. Hellyer said that information was adequate on which to base a judgment.

Dr. Field said all information needed to plan a defence system had been supplied by the U.S. It was not necessary to know the internal workings of a watch to tell the time.

Mr. Hellyer declined a direct reply to Mr. Lambert on whether as many as 50 per cent of U.S. interceptors are armed with conventional weapons only. He said most or part of them have "dual capability."

Grant Deachman (L—Vancouver Quadra) said the former government reduced the effectiveness of North American air defence by accepting Bomarcs and Voodoos and then not arming them with nuclear warheads. The weapons could have been so armed if retained by the U.S.

Andrew Brewin (NDP—Toronto Greenwood) quoted Mr. Hellyer as saying Jan. 25 that the effectiveness of the Bomarc was rapidly diminishing. Did he still think so?

Mr. Hellyer said he hopes the question will not set a pattern of committee discussion on what he had said before he became minister. He said his current approval of the Bomarc is based on more up-to-date information.

## Rain Hampers Search For Trio

DORCHESTER, N.B. (CP)—Rain Wednesday hampered a search through woodlands near the Maritime penitentiary here for three escaped prisoners.

RCMP maintained a close check on rail traffic in the area in their search for Vincent Pittman, 23, of Glace Bay, N.S., Edward Keleher 24, of Saint John, N.B., and Samuel Frederick Hodder, 21, of Marystown, Nfld.

The three disappeared while with a work party near the penitentiary's farm buildings late Tuesday afternoon.

## Rare Metal Makes Place On Markets

MONTREAL (CP) — Columbium a rare metal when discovered near Montreal almost 10 years ago now is making a name for itself on world markets.

Behind much of columbium's success is St. Lawrence Columbium and Metal Corporation, a company headed by Jean-Joffre Gourd, 47, a Montreal lawyer who grew up in the mineral-rich Abitibi region and gained a passion for mining from rubbing shoulders with prospectors there.

A Gourd - organized exploration group discovered columbium in 1954, coming upon a radio-active material near Oka, 30 miles northwest of Montreal. They thought they had discovered uranium.

Analysis showed the material contained columbium, a metal then considered glamorous but not of much commercial use because of its rarity.

However, a St. Lawrene columbium staff, using the facilities of Montreal's Ecole Polytechnique, found an economic process for exploiting the metal.

**CAPACITY DOUBLED**

Some $2,500,000 was raised to get production rolling and by 1961 the Oka mill was producing 500 tons of ore daily. Because demand has increased rapidly for columbium, the mill's capacity was doubled last November.

First used mainly in the electronic, atomic energy and space fields, columbium now is also used in the production of high-strength and stainless steels.

Among its chief customers, St. Lawrence counts several large U.S. firms. Other customers are West Germany, France, England and Japan.

As for the future of St. Lawrence Columbium, there were 62,000,000 tons of good-grade ore at Oka.

Annual production rate now is 1,500 to 1,800 tons of concentrates—fetching $1,000 a ton in the market.

## Gov't Watching Insect Killer

OTTAWA (CP)—Agriculture Minister Hays announced his department is watching closely the "serious problem" of the insect killer dieldrin being used where cattle feed.

He was replying to C. O. Cooper (PC—Rosetown-Biggar) who asked whether the government plans to outlaw use of the grasshopper and insect spray in the light of prosecutions against farmers whose milk has been affected by it.

Mr. Cooper said the prosecutions arose because the chemical found its way into milk as, a result of municipal spraying or road allowances and not because of farmers feeding contaminated feed as Mr. Hays had alleged.

Mr. Hays asked for a report on the areas involved and promised to investigate.

**ORGANIZE OWN JOBS**

DONCASTER, England (CP) A union leader in this Yorkshire town suggests workers made redundant by the closing of a car factory should pool their resources and "buy" new jobs. He reckons they could collect $450,000 and lend it to a firm willing to open a branch in Doncaster and provide work.

## CONTRACT BRIDGE

By B. JAY BECKER

East dealer.
East-West vulnerable.

NORTH
♠ J 8 3
♥ 7 4
♦ A Q 9 8 4
♣ J 6 2

WEST
♠ K Q 10
♥ K Q 8
♦ K 10 6 2
♣ 9 8 3

EAST
♠ —
♥ A J 10 9 6 5 3 2
♦ J 5
♣ Q 10 7

SOUTH
♠ A 9 7 6 5 4 2
♥ —
♦ 7 3
♣ A K 5 4

The bidding:

| East | South | West | North |
|---|---|---|---|
| 4 ♥ | 4 ♠ | 4 NT | Pass |
| 5 ♥ | 5 ♠ | Dble. | |

Opening lead—king of hearts.

This hand was played by the British star, A. Hutchinson, who held the South cards. He wound up in five spades doubled on the bidding sequence shown. Apparently there is no way of avoiding the loss of two spades and a club, but Hutchinson succeeded in making the contract by very fine play.

West led a heart which South ruffed. It seemed to Hutchinson that West probably had the three missing spades, which meant he would have to go down one or more tricks unless the diamond finesse worked and the queen of clubs fell as the ace and king were cashed.

Since a diamond finesse had to be taken in any case, he took it at once in order to give himself a chance to make the hand. When the queen won, he ruffed a heart and then played a diamond to the ace and ruffed a diamond, thus continuing the process of reducing his trump length in order to prepare for a possible endplay in trumps.

Hutchinson next cashed the A-K of clubs, hoping the queen would fall, but it didn't. He then exited with a club, producing the following position:

North
♠ J 8 3
♦ 9 8

West
♠ K Q 10
♥ Q
♦ K

East
♥ A J 10 6 5

South
♠ A 9 7 6
♣ 5

East had to lead a heart and Hutchinson made the key play of ruffing in his hand with the six and overruffing in dummy with the eight. He then trumped a diamond with the seven and played the five of clubs.

West, with only the K-Q-10 of spades left at this point could make only one trump trick regardless of what he did. (Dummy had the J-8 of spades and a diamond left and South had the A-9 of trumps.)

So West lost one of his trump tricks and Hutchinson made five spades doubled.

## RIPLEY'S BELIEVE IT OR NOT

## DAILY CROSSWORD

ACROSS
1. To conflict
6. Let in
11. Variety of potter's wheel
12. Hollow, crystal-lined stone
13. Fruit of oak
14. School, in Paris
15. Attica township: Gr.
16. Metallic rocks
17. Idiotic: colloq.
21. —— for (fail to get)
24. Sack
27. Sloths
28. Chinese pagoda
29. Direction on letter: abbr.
30. Sweet potato
31. Place for storing weapons
33. Greek island
34. Tug
37. Nevada city
41. Brass, for one
43. Hesitant
44. Rope for horse's trainer
45. Showing resemblance
46. Slightest
47. Funeral piles

DOWN
1. Dressed
2. Shoe tie
3. Nagasaki bomb
4. Tatters
5. Barnyard fowl
6. —— of Reptiles
7. Hunter's lure
8. Saracen
9. Not working
10. Golfers' aids
18. Oil of rose petals
19. Warning light
20. Banquet
21. Route
22. Crested hawk-parrot
23. Doctrine
24. Forbid
25. Humming-bird
26. To jellify
32. In a weird manner
33. Stops up
34. Corridor
35. So. African plant
36. Forearm bone
38. Turkish title
39. U.S. guided missile
40. Poems
42. Still
43. Spigot

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | ■ | 6 | 7 | 8 | 9 | 10 |
| 11 | | | | | ■ | 12 | | | | |
| 13 | | | | | ■ | 14 | | | | |
| 15 | | | | ■ | ■ | ■ | 16 | | | |
| ■ | ■ | ■ | 17 | 18 | 19 | 20 | | ■ | ■ | ■ |
| 21 | 22 | 23 | | | | | ■ | 24 | 25 | 26 |
| 27 | | | ■ | 28 | | | ■ | 29 | | |
| 30 | | | ■ | 31 | | | 32 | | | |
| ■ | ■ | ■ | 33 | | | | | ■ | ■ | ■ |
| 34 | 35 | 36 | | ■ | ■ | ■ | 37 | 38 | 39 | 40 |
| 41 | | | | 42 | ■ | 43 | | | | |
| 44 | | | | | ■ | 45 | | | | |
| 46 | | | | | ■ | 47 | | | | |

7-4

BUNCH STARE
OPERA CODED
STREW AGAPE
HOOT FLAME
OILY AD
GRANNY BETA
LAWNS BALED
ORNE TUNDRA
WE TUSK
RABAT RACE
FINAL FORAY
UPOLU OLIVE
RENDS PLAYS

Yesterday's Answer

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

A X Y D L B A A X R
is L O N G F E L L O W

One letter simply stands for another. In this sample 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

XAHS FB QHFT HSFBFTI XSCN MVA HTMFGFQHMFCT CX ALFW. —HSFBMCMWA

Yesterday's Cryptoquote: FATE IS A NAME FOR FACTS NOT YET PASSED UNDER THE FIRE OF THOUGHT.—EMERSON

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## OUR BOARDING HOUSE MAJOR HOOPLE

GRANDMA

MICKEY MOUSE

ETTA KETT

SECRET AGENT X-9

HENRY

NUBBIN

THE LONE RANGER

MUGGS & SKEETER

JOE PALOOKA

L'IL ABNER