

High Altitude Jet Fighter Needs Precautions Flying Low

By DAVE McINTOSH
Canadian Press Staff Writer
OTTAWA (CP)—The recommendation last year of an RCAF board of inquiry that the wing of a Mark V CF-100 jet interceptor be structurally tested has not yet been carried out it is learned authoritatively.

In two fatal crashes of Mark V CF-100s in the last 14 months—including the one that resulted in the board's recommendation—the wing of the aircraft broke in high-speed, low-level flight. Both two-man crews were killed.

To give the CF-100 more altitude the earlier Mark IV wing was extended by some three feet at either end, creating the Mark V wing.

The RCAF said the recommended structural test was not carried out because engineers were able to simulate exactly a test on a Mark V wing by using a Mark IV wing. Through tests had been made by exerting on a Mark IV wing the pressure which, it was determined, would apply on a Mark V wing.

DETERMINES PRESSURE
A structural test on the ground consists of placing weights on a wing until it breaks. This determines how much pressure the wing can withstand under flight conditions.

Here is the background of the case:

On May 19, 1956, at an air show at Kincross, Mich., Lt. S. A. Marshall of Peterborough, Ont., and an American passenger were killed when a CF-100 crashed during a low-level speed run.

He was the first member of the RCAF killed while flying a CF-100 Mark V.

1956, had a complete wing of a board recommended on May 27, 1956, that a complete wing of a Mark V be submitted to a structural integrity test.

The CF-100 is manufactured by Avro Aircraft Ltd., Malton, Ont. Both Avro and RCAF engineers say that the Mark V wing has not been subjected to the test recommended by the RCAF board of inquiry. They say, however, this does not mean the wing has not dated back to early 1955, using a Mark IV wing with a predetermined level of load.

They say that in every accident involving a broken Mark V wing, the fault occurred exactly at the point where it had been determined a fault would occur under too much stress.

The board of inquiry did not fix any blame in the accident which killed Marshall.

Though the CF-100 is produced by Avro, the RCAF can order any change or test on the aircraft that it wants. All Mark V models have been test flown before being turned over to the air force.

SECOND CRASH
On June 8 this year, at London, Ont., FO Leslie Sparrow of Powell River, B.C., and FO Douglas Sheffield of Ottawa were killed when their Mark V crashed during a low-level run across Crumlin airport.

A film of the accident showed that both the starboard and port wings broke off about five feet

from the wingtips.

The RCAF lays down rigid speed rules for the Mark V CF-100. The board of inquiry into the Kincross accident found no evidence that Marshall had exceeded the limit.

It recommended, besides a structural integrity test, that a "competent aerodynamicist examine the general flying characteristics of the Mark V wing, complete with rocket pod." (The rocket pod, or container, is carried at each wingtip).

Some 2½ months after Marshall's death, the RCAF reduced the maximum speed allowed at low level in the CF-100 Mark V.

TURBULENCE FACTOR
RCAF officers say more must be taken into account than maximum allowable speed when making low level speed runs. In smooth air at the maximum speed—the figure cannot be given for security reasons—the plane may be perfectly safe. But an upward downdraft may so increase the pressure on the wings that they will break off.

At high altitude, where the CF-100 usually operates, this normally is no problem because the air is so thin that severe pressures are not easily exerted on the wings. However, CF-100 crews avoid violent storms at high altitude.

The RCAF has sent three CF-100 squadrons to Europe and the fourth and last soon will join the No. 1 Air Division in France and West Germany.

These squadrons are equipped with the Mark IV model. Reason for this, officials explain, is that the CF-100s in Europe are intended for tactical ground support of troops—that is low level work—as well as high-altitude interception.

\$20 Bounty For Alberta Citizens
EDMONTON (CP)—An estimated 500,000 Albertans are eligible this year for a \$20 bounty from the provincial government.

It is called a "citizens' participation dividend"—participation, the Social Credit government says, in public revenues from oil development.

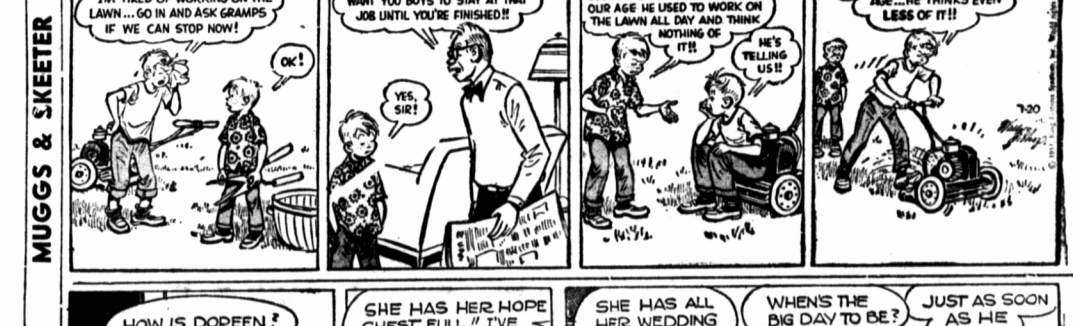
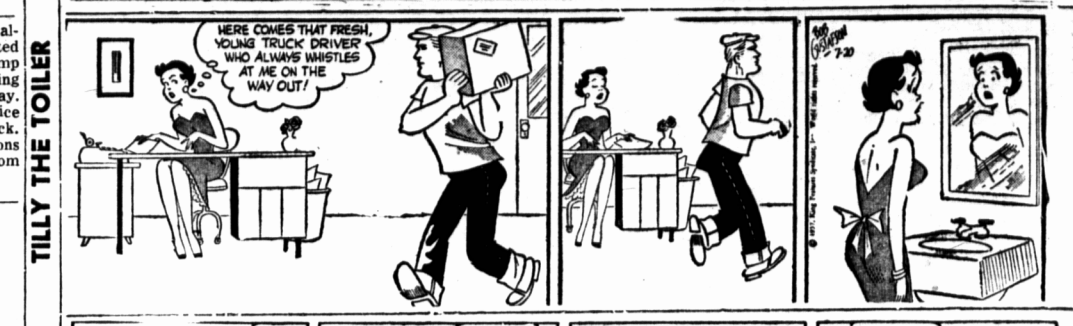
The government announced Wednesday that the \$20 dividend can be picked up between Sept. 1 and the end of the year at chartered banks, Alberta treasury branches and other agencies which may be designated by the cabinet later.

The applicant must declare that he is a Canadian citizen or British subject, will be at least 21 before the year is out, and has lived in Alberta two years preceding payment and any other eight years.

These qualifications—part of the dividend legislation passed last spring—will eliminate roughly half the government estimates that 80 per cent of the 700,000 persons over 21 in Alberta will be eligible this year.

MONTREAL (CP)—Thieves salvaged a truckload of fermented orange juice from a city dump and sold part of it to unsuspecting retailers, police said Thursday.

The thieves sold part of the juice to three stores on the same block. Police said only 95 wax cartons of juice had been recovered from the truckload.



TIMELY NOTES ON FUR TOPICS

Plans for a 12-city tour by the "Canada Pageant of Fur Fashion" as the industry's trans-Canada fur show now is to be called, are reaching final stages. Fur trade leaders in the United States are reportedly watching the program very closely. A tentative schedule places the opening presentation in Halifax, N.S., Sept. 5. Then the show will move on, two days in each city, to Ottawa, Quebec City, Montreal, Toronto, Hamilton, Windsor, Winnipeg, Edmonton, Calgary, Regina, and finally Vancouver on the West Coast Oct. 7, as now planned. There will be the equivalent of a dress rehearsal in Montreal late in August.

Some 65 fur garments from as many manufacturers covering all fur types from the popular to the most expensive will comprise this publicly presented collection. Six models will be in the total cost of the whole enterprise is expected to be about \$25,000. Retailer groups in the cities visited are being invited to tie in with the event, to use it to "stimulate fur excitement among customers," to quote from a letter sent out by the Fur Trade Association of Canada, which is sponsoring the show.

As this is to be a selling show the organization committee as part of its job, will have the task of arranging for replacement of all coats as sold in the various cities. It also is responsible for a brochure to be sent to all retailers with mention of the manufacturers whose coats are in the show. The publicity and advertising committee is planning publicity, including television, radio, newspapers and magazines, as the show moves across the country. It is also being asked to devise "Slogans, banners, and themes, as may seem desirable."

The undertaking is projected as a major bid to increase fur garment sales across Canada. The thinking is that by obtaining ac-

local retailer co-operation and by presenting the furs in a well-planned, balanced show directly to the public, the undertaking cannot fail in its objective.

ALL INTERESTED
All segments in Canada's fur industry are supporting the venture in one form or another. Breeders, dressers and dyers, skin dealers and auction companies—all are lining up with manufacturers in this bid for increased business. Judging by trade comment heard, the Canada Pageant of Fur Fashion will be closely watched also by many in the fur business south of the border, in view of similarities in the fur business of the two nations.

A despatch from Tokyo, dated July 8, states that export of fur skins to the United States in May included 45,675 minks, and 40,800 rabbits, according to the finance minister in Tokyo. This compares with shipments in May, 1956, 85,150 minks and 124,000 rabbits. One of the reasons for the smaller exports of minks this season is that Japan is now quite prosperous, due to manufacturers exporting tremendous quantities of manufactured goods.

Japanese women becoming fur conscious and many of them are wearing mink coats and other mink garments and smaller pieces, which means that Japan will be less of an exporter than in previous years.

Fantastic profits are reported by many English firms, and one of these is Swears and Wells, Ltd., one of the largest manufacturing retailers in Tokyo. This company's balance sheet for 1956 shows net profits of \$13,800,000 after taxes for the year ending January 31. They declared a dividend of 20 per cent.

Bills to repeal the federal 10 per cent retail excise tax in furs, jewellery, toilet preparations, and handbags, and other leather goods have been introduced by the House Ways and Means Committee for consideration in Washington, D.C. If such bills were allowed in the U.S.A. they would, no doubt, also be introduced in other countries.

As estimated 800 mink, valued by their owner at \$36,000, were stolen from the Green Lawn Fur Farm, Long Island, last week. Harry Schoppe, the farm operator, said the animals accounted for about one-third of all he owned.

A report on the fur situation among New York retailers, shows fur sale increased during the first half of 1957. There were a few decreases during the six-month period, with the largest drop about 15 per cent, and gains ranged from 5 to 40 per cent at

DAILY CROSSWORD

ACROSS	DOWN	15. Liberate
1. Back of the neck	1. Erie, Indian	18. Senior
2. Plants	2. Through	19. Choice
3. Out, as hay	4. Man's nickname	22. Kettle
10. Music groups	5. Stupefies	24. Con-
12. Sandarae tree	6. Sphere	26. Sub-
13. Conquer	7. Broad	27. Journal
14. Pigeon	8. Inca, Indian	28. Fibber
15. Boy	9. Stone-	29. Shabby
16. Outcast class (Jap.)	11. Scorches	32. Lift
17. Cry of pain	13. Oceans	35. Otherwise
18. Rub out		37. Circle of light
20. Hour (abbr.)		42. Exist
21. City (It.)		
23. Meadows		
25. Thailand		
27. Boy's nickname		
28. Being more recent		
30. Land measure		
31. River (Ger.)		
33. Radium (sym.)		
34. Jumbled type (print.)		
36. Charter		
37. Strike		
38. Cream-filled cake		
40. An event		
41. Grates		
42. Soothe		
43. Tidy		
44. Satellite		

DAILY CRYPTOQUOTE—Here's how to work it:
A X Y D L B A A X R
I S 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
S I C S Q U Q O U W N I Q O N Q P B C U L
Q O U U Q B N Y U N L Q , G M Q P U Q N P B I U
Q O S I U U I U W Z - O U L S B A .

Yesterday's Cryptogram: APT ALLITERATION'S ARTFUL AID — CHARLES CHURCHILL

OUR BOARDING HOUSE MAJOR HOOPLE



OUT OUR WAY BY J. R. WILLIAMS



GRANDMA
MICKEY MOUSE
TILLY THE TOILER
HENRY
MUGGS & SKEETER
ETTA KEIT
SECRET AGENT X-9
JOE PALOOKA
THE LONE RANGER
LIL' ABNER

WHY HAVE SORE FEET?
JUST RUB IT
MINARD'S
PAIN EXPELLER
LINIMENT

CFCY-TV
CHANNEL 13
SATURDAY

3:00 p.m.—Test Pattern
3:15 p.m.—Afternoon Musicale
4:00 p.m.—Western Theatre
5:00 p.m.—Five Star Comedy Party

5:30 p.m.—Wild Bill Hickok
6:00 p.m.—Oh Susanna
6:30 p.m.—CFCY Television News & Weather
6:35 p.m.—CBC News
6:45 p.m.—Mr. Fixit
7:00 p.m.—Country Calendar
7:30 p.m.—Holiday Ranch
8:00 p.m.—Julius LaRosa Show
9:00 p.m.—Grand Ole Opry
9:30 p.m.—Texas Rassin
10:30 p.m.—CFCY Television News & Weather
10:40 p.m.—Movietime — Commaendoes Strike at Dawn

SUNDAY

Atlantic Daylight Time
2:45 p.m.—Afternoon Musicale
3:15 p.m.—This is the Life
4:00 p.m.—The Restless Sphere
5:15 p.m.—Summer Magazine
6:00 p.m.—Burns & Allen
6:30 p.m.—Father Knows Best
7:00 p.m.—December Bride
7:30 p.m.—Life of Riley
8:00 p.m.—Ed Sullivan Show
9:00 p.m.—All Star Theatre
9:30 p.m.—CGE Showtime
10:00 p.m.—Fighting Words
10:30 p.m.—Lolly Too Dum
11:00 p.m.—CBC TV News
11:10 p.m.—Movietime — Brewsters Millions

CKCW — Moncton
Channel 2
Television Programme Schedule

SATURDAY

12:15 p.m.—Wally's Waxworks
2:15 p.m.—H & D League Baseball
5:00 p.m.—Five Star Comedy Party
5:30 p.m.—Wild Bill Hickok
6:00 p.m.—Oh Susanna
6:30 p.m.—Early Evening TV

6:45 p.m.—Weather
6:50 p.m.—Sports
7:00 p.m.—Country Calendar
7:30 p.m.—Holiday Ranch
8:00 p.m.—The Julius LaRosa Show
9:00 p.m.—Grand Ole Opry
9:30 p.m.—Alfred Hitchcock Presents
10:00 p.m.—Beat the Clock
10:30 p.m.—Files of Jeffery Jones
11:00 p.m.—CBC TV News
11:15 p.m.—Maritime Weather
11:15 p.m.—"Secrets of Stanboul"

SUNDAY

2:00 p.m.—Test Pattern
2:30 p.m.—News, Weather, Sports
3:00 p.m.—This is the Life
3:30 p.m.—The Living Sea
4:00 p.m.—The Restless Sphere
5:15 p.m.—Summer Magazine
6:00 p.m.—Burns & Allen
6:30 p.m.—Father Knows Best
7:00 p.m.—December Bride
7:30 p.m.—Inspector Barker Baber
8:00 p.m.—Ed Sullivan Show
9:00 p.m.—All Star Theatre
9:30 p.m.—Showtime
10:00 p.m.—Fighting Words
10:30 p.m.—Lolly Too Dum
11:00 p.m.—News, Weather, Sports, Billboard
11:05 p.m.—"Inside Story"

CONTRACT BRIDGE

By E. JAV BECKER

West deals. North-South vulnerable.

NORTH
AKQJ5
AKQJ6
AKJ103

EAST
74322
554
AKJ7643 109752

SOUTH
A1098
10973
9862
A

The bidding:
West North East South
1♣ 2♣ 3♣ 4♣
5♣ 6♣ Pass 6♣

Opening lead—king of clubs.

Here is a bidding curiosity the likes of which you have probably never seen. The first six bids in succession are clubs, and they all make sense.

Of course, there aren't enough clubs in the deck for all four players to be bidding on club length, so naturally some of the bids are cue bids.

West's opening club bid is completely normal and would be made by almost everyone.

The two club bids by North is in the accepted style and is easily the best available bid. The cue bid generally indicates a void of the opponent's suit and a hand of such proportions that at least a game contract must be reached.

East's three club bid is a mild action attempting to cramp the bidding space and to advise partner of club support.

South's four club bid is a cue bid showing some values, but presenting uncertainty as to the best trump suit.

The five club bid by West is a further effort to hamper the opponents in their search for a suit.

North's six club bid insists that South choose the suit. North is willing to undertake a slam because South has bid voluntarily, thus showing some strength.

Spades are mentioned for the first time in the six level as the club merrily-go-round finally grinds to a halt.

Proper play makes the slam. A diamond is discarded on the opening club lead. Two rounds of trumps reveal East started with four of them. Trumps cannot be continued until the ace of hearts is forced out. This subjects declarer to a heart ruff, but the danger must be faced since the contract cannot be made otherwise.

West takes the king with the ace, and, well, why, returns a heart, taken in dummy. Trumps are drawn and the ace of diamonds is cashed. The jack and another heart to the ten are played.

A diamond is led toward dummy and finessed, since West figures to have the queen at first. His light (in high cards) opening bid.