

CASARA Winnipeg

November 2008

Recent Zone Activities

Level 1 – 1 November



A full house listens during the Level 1 session.

Ten new members attended the Level 1 on Saturday 1 November. All the available members got a flight or two. Welcome to Robert Alix, Dan Aminot, Cliff Bebber, Doug Brugger, Scott Falkingham, Alan

Freedman, James Gross, Albert Hochbaum, Maureen Morrice, and Gisela Schreiber.

Shaw TV Filming – 25 October



Al Fraser talks to Jeremy Vallance and another Shaw staff member.

In October, Winnipeg Zone received a request from CASARA Manitoba to participate in a promotional tv spot on Shaw TV's community station – channel 9 for some of us. Filming took place on Saturday 25 October, and the four minute film subsequently aired for several days. Jim Bell, Al Fraser, Tim Spiece, and John Davidson appeared in the piece.

Training

Level 3 Review – Basic Navigation

By Jim Bell

Navigator preparation

The navigator must bring the following tools for a flight: pencils (exercise and actual), eraser, pens (actual), appropriate VFR charts (VNCs), ruler, protractor, flight computer or calculator, plus flying kit. CASARA will provide the navigator log forms, topographical charts, and gps unit. CASARA may also provide VNCs, depending on availability. We strongly recommend that all navigators purchase and use Mark Webster's SARMate template (\$15).

During the briefing, navigators should take careful notes relating to the route, direction of flight (eg clockwise or counter clockwise), search patterns, assigned altitudes, winds, and NOTAMs (Notices to Airmen, items such as tower locations, closed facilities, etc). Confirm with the pilot that you agree on the details of the flight. Airplanes can't go in two directions at once. The pilot may have other ideas on how to arrive at the destination, such as the use of radio navigation aids.

Once you are certain of the task, select the appropriate chart to draw your route. To the degree that it's possible to do so, the pilot should draw the transit out and back using a VNC, and the navigator should draw the search pattern on a 1:250,000 scale topo. If the route is straightforward, the navigator may be able to draw the entire route. If there are no

search patterns on the route, and it's fairly long, using only a VNC may be sufficient. But if a route involves several turns, or has a search pattern, especially a tight one, a topo is better. A five nautical mile diameter sector search on a VNC is only 5/8" across. If you're lucky, you may be able to fit a search pattern on a single 1:50,000 scale topo.

Use a pencil to draw the route on your chart, even for an actual. In an actual search, the route must be redrawn in pen, but ensure that it's completely correct before doing so. We only have so many charts. Confirm with the pilot that the route is flyable before drawing it in permanently. For example, on exercises, we cannot fly through restricted areas, but on actuals, we may be able to. We generally avoid the Winnipeg control zone during exercises, so you should confirm that part of the route with the pilot before drawing it out.

Check the route to see what sort of obstacles you may encounter. Besides airspace, there may be hills or contours to avoid, large bodies of water, towers, alert areas, and airports. The route may need to be modified for these reasons. Also, identify features along your route that you can use as fixes. A fix is a point where you know exactly where you are – a particular curve in a river, a distinctive town or lake, etc.

Once the route is drawn, calculate the tracks using a protractor. Tracks are measured from true north, using the latitude and longitude lines on the VNC. On a topo, you may have to draw in your own lat or long lines to do your track calculations. Write each leg's track on the navigator log.

The next item on the nav log is the wind. You can write in the wind direction and speed for reference, but generally we don't calculate the heading on the form, because we often find it's different from the forecast once we're in the air. There is some controversy about this approach, however. Calculating heading will be covered in a future article.

The track is the proposed path over the ground. The heading is the direction you must point the airplane to achieve that track, due to the influence of the wind. You then apply the magnetic variation to get the magnetic heading. You must use magnetic heading because the airplane's track is provided by its directional gyro, which is set from the magnetic

compass. The error in Winnipeg Zone will be about 5 degrees if you don't correct for it.

You may need to correct for deviation. This is a compass error caused by the metal in the airplane. It generally amounts to no more than a couple of degrees, but can be more. Deviation is available from the compass card mounted in the airplane.

Back at the chart, you can now measure the length of each track, in nautical miles, and mark them on the nav log. Divide the distance by the expected ground speed to obtain the time for each leg. You can then calculate the fuel burn – obtain the fuel burn from the pilot – for that leg. Mark ten mile marks along each track line.

Once you have calculated the total length of your flight, and you know how much fuel is on board the airplane, you can calculate your bingo time. This, too, will be covered in a future article.

Notices

Christmas / New Year's Stand By

We will be looking for search current members to be on stand by for searches on 24, 25, and 31 December, and 1 January. We will need one pilot, one navigator, and four spotters for each day. You must be available throughout the day, from

midnight to midnight. You cannot consume alcohol during that time, or for an appropriate period before it. You must be able to arrive at 16 Hangar within two hours, and at St Andrews in one hour. If you wish to volunteer, please contact your chief.

Congratulations

Congratulations to John Carley on his qualification as a CASARA pilot.



CASARA Name Tapes

We provide our members with one name tape suitable for sewing onto flying suits and similar clothing. If you would like a name tape for your kit, please contact Jerry Roehr. You can also purchase additional name tapes.

CASARA Training Message Phone Line 338-7185

Reminder, don't leave messages on the training phone line. It is not monitored. If you need to speak to one of the executive, please contact him directly using the information in the contact table below. If

you need to speak to someone not on the list, the exec members all have membership lists, and can provide the information.

Aeronautical Radio Operator Licence

Jerry Roehr will conduct a classroom session to allow you to obtain your aeronautical radio operator licence, on Tuesday 9 December at 7 pm. With your radio licence, you can legally use the handheld

aviation radios, the base station radio, and the radios in the airplane. If you're interested in attending, please contact Jerry.

Training Centre Clean Up

Thanks to Kris Buschau-Lapointe and Alf Northam for assisting with the clean up of the CASARA Provincial Training Centre last month.

CASARA Jackets

We are going to try to put an order in for CASARA jackets, similar to those produced last year. If you would like to purchase one, please send your name and jacket size to Jim Bell. There will be men's sizes only, to simplify the process. Small – chest 36

– 38”, sleeve 35”, Medium – chest 40 – 42”, sleeve 35.5”, Large – chest 44 – 46”, sleeve 36”. If you need a different size, let me know and we will try to accommodate you. The price is still to be determined.

Coming Events

Meet at the Training Centre unless noted.
Exercise end times are *estimates*.
Changes are highlighted in yellow.

Remember to check the recorded message at 338-7185 before coming out for an exercise.

Subject	Start Date	Start Time	End Date	End Time	Description
December					
Creeping Line Ahead Search Exercise	06 Dec 08	9:00	06 Dec 08	13:00	Co-ordinator – Trevor Mueller - No of Aircraft - 2 - Total Flying Hours - 4 - Description - Practice in carrying out one of our most commonly assigned search patterns.
January					
Jumpseat Seminar	13 Jan 09	19:00	13 Jan 09	22:00	Description – Managing Risk in Flight Operations – Jumpseat is a series of seminars put on by the local aviation community. While aimed mostly at pilots, some of the series will have information of value to all members. This is not a CASARA activity. Location: Western Canada Aviation Museum
Delta Marsh Overflight	17 Jan 09	12:00	17 Jan 09	15:00	Co-ordinator – Trevor Mueller - No of Aircraft - 1 - Total Flying Hours - 2 - Description - Support to the University of Manitoba's survival exercise at Delta Marsh.

Delta Marsh Overflight	24 Jan 09	12:00	24 Jan 09	15:00	Co-ordinator – Trevor Mueller - No of Aircraft - 1 - Total Flying Hours - 2 - Description - Support to the University of Manitoba's survival exercise at Delta Marsh.
Rust Remover	29 Jan 09	19:00	29 Jan 09	22:00	Co-ordinator - Jerry Roehr - Description - Annual pilots' knowledge refresher, co-sponsored by COPA and RAA. Open to the aviation community.
RAA Demonstration	31 Jan 09	12:00	31 Jan 09	15:00	Co-ordinator - Jerry Roehr - No of Aircraft - 1 - Total Flying Hours - 1 - Description - Support to the annual Lyncrest winter festival.
February					
Expanding Square Search Exercise	07 Feb 09	9:00	07 Feb 09	13:00	Co-ordinator – Jim Bell - No of Aircraft - 2 - Total Flying Hours - 4 - Description - Practice in carrying out one of our more difficult search patterns.
Jumpseat Seminar	17 Feb 09	19:00	17 Feb 09	22:00	Description – Medical Airworthiness – Jumpseat is a series of seminars put on by the local aviation community. While aimed mostly at pilots, some of the series will have information of value to all members. This is not a CASARA activity. Location: Western Canada Aviation Museum
March					
Jumpseat Seminar	24 Mar 09	19:00	24 Mar 09	22:00	Description – Command Responsibility – Jumpseat is a series of seminars put on by the local aviation community. While aimed mostly at pilots, some of the series will have information of value to all members. This is not a CASARA activity. Location: Western Canada Aviation Museum

Contacts

Zone Commander	Jim Bell	786-4809	jbell320@gmail.com
Deputy Zone Commander and Treasurer	Jerry Roehr	981-4239	roehr@mts.net
Secretary	Al Fraser	888-8274	jafraser@mts.net
Chief Pilot and Safety Officer	Chuck Wilson	668-3787	cwcasara@mts.net
Assistant Chief Pilot	Bill Karras	293-5976	bkarras@havefun.ca
Acting Chief Navigator	Bill Hilash	782-5650	bill@hilash.com
Assistant Chief Navigator	vacant		
Chief Spotter	Trevor Mueller	582-4137	casaraman_cs_zone1@yahoo.ca
Assistant Chief Spotter	Bill Evans	269-8360	bilnadev@mts.net
Equipment Officer	Alf Northam	257-6162	anortham@mts.net
CASARA Winnipeg Office / Provincial Training Centre	601A Club Road, St Andrews MB R1A 3P6	338-2868	Fax 338-2868
CASARA Training Message		338-7185	
CASARA Manitoba Website			www.casaraman.org

Valid on: 30-Nov-08

				Spotter Currency	Nav Currency	Pilot Currency	Certification Training - Spotter	S1	S2	Certification Training - Nav	N1	N2	N3	N4	ELT 1	ELT 2	Aural Null	Track Crawl	CLA	Exp Square	Sector	Certification Training - Pilot	P1	P2	P3	P4	P5	P6			
Pilots				28	5	4																									
Bell	Jim	U	25-Jun-09	25-Jun-09	01-Nov-08	01-Nov-08				22-Nov-08	20-Sep-08	20-Sep-08	13-Sep-08	22-Jul-08	22-Jul-08	25-Jun-08	22-Jul-08	03-Oct-08	03-Oct-08	03-Oct-08	03-Nov-08	24-Oct-08	03-Nov-08	25-Oct-08	03-Oct-08	30-Aug-08	10-Aug-08	10-Aug-08	10-Aug-08	Bell	
Biber	Roland	U	02-Dec-08	U	U	19-Apr-08	01-Mar-08	02-Dec-07			09-Mar-08	08-Mar-08			09-Mar-08	15-Jul-08	15-Jul-08	15-Jul-08	15-Jul-08	25-Jun-08		15-Jul-08	25-Jun-08	03-May-08	11-Apr-08	09-Mar-08	09-Mar-08		Biber		
Carley	John	U	U	10-Mar-09	U	U				22-Nov-08	03-Nov-08	10-Aug-08	10-Aug-08	10-Aug-08	10-Jun-08	24-May-08	10-Jun-08	10-Aug-08	03-Oct-08	03-Oct-08	03-Nov-08	12-Mar-08	24-Oct-08	15-Nov-08	15-Nov-08	03-Nov-08	01-Nov-08	01-Nov-08	03-Oct-08	Carley	
Danyluk	David	U	U	U	03-Oct-09					22-Nov-08					15-Nov-08	15-Nov-08	15-Nov-08	03-Oct-08	03-Oct-08	03-Oct-08	03-Nov-08	24-Oct-08	15-Nov-08	15-Nov-08	03-Nov-08	01-Nov-08	01-Nov-08	03-Oct-08	Danyluk		
Hall	John	U	U	U	22-Jul-09		13-Sep-08				09-Mar-08	08-Mar-08			27-Sep-08	22-Jul-08	22-Jul-08	13-Sep-08	27-Sep-08	13-Sep-08	13-Sep-08	24-Oct-08	28-Sep-08	27-Sep-08	25-Sep-08	21-Sep-08	21-Sep-08	13-Sep-08	Hall		
Karras	Bill	U	U	U	U										15-Nov-08	29-Sep-08	29-Sep-08	13-Sep-08	13-Sep-08	13-Sep-08	15-Nov-08	15-Nov-08	29-Sep-08	13-Sep-08	24-May-08	24-May-08	24-May-08	24-May-08	Karras		
MacKenzie	Clinton	U	U	U	U										10-Jun-08	10-Jun-08	10-Jun-08	18-Aug-08	18-Aug-08	18-Aug-08	31-Jan-08	18-Aug-08	17-Jun-08	10-Jun-08	02-Feb-08			MacKenzie			
Roehr	Jerry	U	U	U	11-Mar-09	01-Nov-08				22-Nov-08	02-Feb-08				29-Sep-08	11-Mar-08	29-Sep-08	03-Oct-08	03-Oct-08	03-Oct-08	03-Nov-08	12-Mar-08	03-Nov-08	01-Nov-08	01-Nov-08	01-Nov-08	03-Oct-08	29-Sep-08	Roehr		
Wilson	Chuck	U	U	U	U	19-Apr-08				29-Mar-08	09-Mar-08	08-Mar-08			10-Jun-08	10-Jun-08	10-Jun-08	03-Oct-08	03-Oct-08	03-Oct-08	12-Mar-08	24-Oct-08	10-Jun-08	09-Mar-08	09-Mar-08			Wilson			
Wilson	Ken	U	U	U	U		13-Sep-08	26-Jan-08		29-Mar-08					02-Feb-08	02-Feb-08	02-Feb-08	02-Feb-08	02-Feb-08	02-Feb-08	12-Mar-08	02-Feb-08	02-Feb-08					Wilson			
Weher	Don	U	U	U	U																	12-Mar-08	02-Feb-08	02-Feb-08					Weher		
Navigators				Spotter Currency	Nav Currency	Pilot Currency	Certification Training - Spotter	S1	S2	Certification Training - Nav	N1	N2	N3	N4	ELT 1	ELT 2	Aural Null	Track Crawl	CLA	Exp Square	Sector	Certification Training - Pilot	P1	P2	P3	P4	P5	P6			
Ashcroft	Adrian	U	U	U	U					03-May-08																				Ashcroft	
Bay	Ron	U	U	U	U	11-Apr-09	06-Sep-08			22-Nov-08	15-Nov-08	15-Nov-08	29-Sep-08	20-Sep-08	15-Nov-08	15-Nov-08	15-Nov-08	24-May-08	11-Apr-08	11-Apr-08	11-Apr-08	23-Sep-08	09-Mar-08	08-Mar-08					Bay		
Delorme	Archie	U	U	U	U																									Delorme	
Elison	Jim	U	U	U	U	23-Aug-08	01-Dec-07			22-Nov-08	06-Sep-08	15-Jul-08	25-Jun-08		25-Jun-08	10-Jun-08	10-Jun-08	06-Sep-08	06-Sep-08	06-Sep-08	06-Sep-08	31-Jan-08	18-Aug-08	03-Nov-08					Elison		
Fraser	Alan	U	U	U	U	20-Sep-09	10-Jun-09	01-Nov-08	20-Sep-08	20-Sep-08	22-Nov-08	03-Nov-08	25-Oct-08	29-Sep-08	27-Sep-08	27-Sep-08	10-Jun-08	10-Jun-08	18-Aug-08	18-Aug-08	18-Aug-08	31-Jan-08	18-Aug-08	17-Jun-08	10-Jun-08	02-Feb-08			Fraser		
Hilash	Bill	U	U	U	U	01-Nov-08	08-May-08				22-Nov-08	02-Feb-08			02-Feb-08	02-Feb-08	02-Feb-08	02-Feb-08	02-Feb-08	02-Feb-08	02-Feb-08	31-Jan-08								Hilash	
Latour	David	U	U	U	U					22-Nov-08	22-Jul-08	17-Jun-08			22-Jul-08	22-Jul-08	22-Jul-08	13-Sep-08	13-Sep-08	13-Sep-08	06-Sep-08	06-Sep-08	06-Sep-08	06-Sep-08					Latour		
Lumb	Terry	U	U	U	U					29-Mar-08	13-Sep-08	06-Sep-08			24-May-08	24-May-08	24-May-08	13-Sep-08	13-Sep-08	13-Sep-08	06-Sep-08	06-Sep-08	06-Sep-08	06-Sep-08					Lumb		
Mages	Dale	U	U	U	U	01-Nov-08				01-Nov-08	01-Nov-08	01-Nov-08	24-May-08	24-May-08	24-May-08	24-May-08	24-May-08	24-May-08	24-May-08	24-May-08									Mages		
Mueller	Trevor	U	U	U	U	19-Apr-08	15-Nov-08	15-Nov-08		22-Nov-08																				Mueller	
Northam	Alfred	U	U	U	U	01-Nov-08	20-Sep-08	20-Sep-08		22-Nov-08	15-Nov-08	03-Nov-08	03-Oct-08	29-Sep-08	15-Nov-08	15-Nov-08	15-Nov-08	29-Sep-08	15-Nov-08	03-Oct-08	03-Oct-08	03-Oct-08	15-Nov-08							Northam	
Osted	Hans	U	U	U	U					29-Mar-08																			Osted		
Riaux	Ken	U	U	U	U	07-Sep-09	03-Oct-08	06-Sep-08		22-Nov-08	01-Nov-08	01-Nov-08	15-Jul-08	25-Jun-08	24-May-08	24-May-08	24-May-08	15-Jul-08	15-Jul-08	15-Jul-08	25-Jun-08								Riaux		
Webster	Mark	U	U	U	U					22-Nov-08	03-Oct-08	03-May-08	15-May-08	14-May-08	02-Feb-08	02-Feb-08	02-Feb-08	03-Oct-08	03-Oct-08	03-Oct-08	03-Oct-08	12-Mar-08								Webster	
Spotters				Spotter Currency	Nav Currency	Pilot Currency	Certification Training - Spotter	S1	S2	Certification Training - Nav	N1	N2	N3	N4	ELT 1	ELT 2	Aural Null	Track Crawl	CLA	Exp Square	Sector	Certification Training - Pilot	P1	P2	P3	P4	P5	P6			
Alix	Robert	U	U	U	U	01-Nov-08	01-Nov-08	01-Nov-08																							
Aminot	Dan	U	U	U	U	01-Nov-08	01-Nov-08	01-Nov-08																							
Barrman	Peter	U	U	U	U	17-Sep-08	13-Sep-08	08-May-08																							
Beber	Ciff	U	U	U	U	01-Nov-08																									
Biber	Judith	U	U	U	U																										
Black	Christopher	U	U	U	U		05-May-08	02-Dec-07																							
Brugger	Doug	U	U	U	U	01-Nov-08	01-Nov-08																								
Buat	Patrick	U	U	U	U	23-Aug-08	03-May-08	22-Nov-08																							
Burt	Alexis	U	U	U	U		01-Dec-07																								
Buschau-Lapointe	Kris	U	U	U	U		17-Sep-08				03-Oct-08																				
Camara	Bonnie	U	U	U	U		23-Aug-08																								
Cameron	Terna	U	U	U	U		19-Apr-08																								
Dearden	Robert	U	U	U	U		23-Aug-08	03-Nov-08	03-Oct-08																						
Dudar	Stephen	U	U	U	U		17-Sep-08																								
Evans	Bill	U	U	U	U		03-Nov-08	08-May-08																							
Falkingham	Scott	U	U	U	U	01-Nov-08	15-Nov-08	01-Nov-08		22-Nov-08																					
Ferguson	Stuart	U	U	U	U		03-Oct-08	29-Sep-08																							
Freedman	Alan	U	U	U	U		01-Nov-08																								
Gerth	Ron	U	U	U	U		25-Jun-08																								
Giersch	Helmut	U	U	U	U	01-Nov-08	03-Nov-08	18-Aug-08		22-Nov-08																					
Gren	Jason	U	U	U	U		01-Nov-08																								
Gross	Ernie	U	U	U	U	23-Aug-08	20-Sep-08	20-Sep-08																							
Gross	James	U	U	U	U		01-Nov-08	01-Nov-08																							
Hochbaum	Albert	U	U	U	U		01-Nov-08	01-Nov-08																							
Hombrosdos	Victor	U	U	U	U		01-Nov-08																								
Isaac	Tony	U	U	U																											