



Champagn-E-Vents

May 2022

MAILING ADDRESS:
 c/o 5639 Maidstone Cres N.E.
 Calgary, Alberta,
 T2A 4C3

WEBSITE: <http://www.calgaryballoonclub.ca/>

Live PZ Map: <https://goo.gl/maps/Twu821rLYiR2>



MEETING HALL ADDRESS:
 The Hangar Flight Museum
 4629 McCall Way N.E. Calgary, Alberta,
 T2E 8A5

MEETINGS:
 Second Wednesday of each month, (except July, August & December) @ 7:30 p.m

2022 BOARD OF DIRECTORS		
President	Richard Clark	403-288-2978
President-Elect	<i>Vacant</i>	
Past-President	Brant Leatherdale	403-478-6800
Vice President	Linda Then	403-276-6507
Secretary	Cathy Dudgeon	403-603-8774
Treasurer	Dirk Luxen	403-992-2194
Director-At-Large	Shane Lockyer	403-771-3002

COMMITTEE CHAIRS		
Chief Pilot	Linda Then	403-276-6507
Chief Flight Instructor	Del Michaud	403-246-8332
Education	Richard Clark	403-288-2978
Merchandising	Shane Lockyer	403-771-3002
Newsletter Editor	Cathy Dudgeon	403-603-8774
Rural Events Co-ordinator	Brant Leatherdale	403-478-6800

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President's Report

The end of April, and a busy month. The month included the Balloon Federation of America (BFA) convention in Topeka, Kansas – see article. Several local flights, and an 'inspection day'. – see article.

Our Drumheller gathering was at the start of May. The weather cooperated by providing the opportunity for two morning flights. Both were in a westerly direction. After landing, it was a chance to visit with landowners. The afternoon weather was a bit unstable for flying, but great for the Saturday BBQ. We were able to visit, learn, fly, and be safe.

One of the 'traditions' in going to Drumheller, is flying out of the Newcastle ball diamonds. A great field, some shelter, centrally located to allow flying in several directions, and visible to residents. In the last few years, the Town has placed more requirements on the use of the fields. It has been an opportunity to provide the Town more information on how ballooning works. We will continue to monitor the process of flying from the diamonds.

We need more members on the executive, in particular a President Elect. The number of tasks to be done, the number of items to discuss and the decisions to be made are the same but with fewer people actively involved, the resources become drained. So, I make a call for a volunteer to come and listen to the subjects that the executive talk about. Meetings just take a little time. A bonus is, it is a chance to learn about the wider aspect of ballooning.

The Club also has a social aspect. Ballooning is what brings us together, friendship makes it pretty nice to enjoy. Over the years, we have had tremendous help as each of us picks up a piece and does a little. That is how ballooning works, everyone pitches in and helps carry the basket out of the field.

In May, the speaker will be Shane Lockyer, talking about 3D printing. He has a real passion for the technology. Fascinating to be able to 'print' an object. If you know about an interesting subject, think about giving a 20-minute presentation to the members.

Going into summer, there is the Medicine Hat festival, and the Club BBQ coming up. Stay healthy, and fly safe.

Richard

New password for the CBC Website: Helium

We're going to try this again... LET'S PARTY!

46th Anniversary Celebration

Saturday, September 17, 2022

Calgary Balloon Club

For more information, email:
calgaryballoonclub@gmail.com
or visit
<http://www.calgaryballoonclub.ca>

Drumheller, Alberta

Save the Date



Ralph Dowson has graciously donated a assortment of a varied amount of collectibles that he has been gathering for many years. The club will be selling them online as well as a weekend garage sale later in the month. Before that, we will be presenting an initial offering to club members.

We are putting together an inventory along with photos and pricing so watch your email for the initial club sale.

We will be separating the inventory into various sections and will be asking several club members to be responsible for a select few to set up for online sales via several online sites. If you are interested in helping out with this and even better, have some experience with online sales, please contact Linda Then.

Back in person!

The first in-person CBC meeting in two years was held on April 13th.

Thanks to all who came out and who joined us through Zoom to help celebrate Del's ~~75th~~ 57th birthday!



A Member's Comment

It has been very fulfilling to have our in person meetings back on track for the last two months. It would be good to get more local members to attend the in person meetings as it provides opportunities to personally interact far easier than through virtual means and this is something that we have all been missing.

The club news from the meeting is good but in addition to that, we have direct opportunities to hear about your day, to find out what special activities you've been involved with, to just smile at each other and laugh at a joke. This allows for such a huge social connection between members who enjoy each other's direct company over an actual cup of coffee and a donation from the Cookie Monster!

Of course, the new benefits of Zoom allow more members to attend the meeting from places near and far and for this we very grateful because likely we would not be "socializing" with these members at all.

But... nothing replaces the value of physical presence with another human being.

Looking forward to visiting with you at the June meeting, the Club BBQ and then starting again at the September meeting.

The more we see each other, the more we talk to each other!

“Wind Explorer” APR 17

By Richard Clark

At the Balloon Federation of America (BFA) Convention, April 2022, a presentation was made by Al Nels, BFA competition regional director, on the development of a portable pibal wind reader – **Wind Explorer (WE)**. Here is a recollection of some notes from the presentation.

The WE uses a smartphone to track/aim at the pibal, and to collect data. The phone is pointed at the pibal, and a theodolite app measures the azimuth, rotation angle, height angle, and calculates the altitude. Measurements are taken at a set time interval. As the pibal ascends at a ‘fixed’ rate (300ft/min), thus each measurement is taken at a known height. The software then calculates the trigonometry to give results.

The app will have many selectable variables – direction to/from, ground elevation, magnetic deviation, various units (m/sec, mph, kph, etc).

The phone can be held vertical to look at the pibal on the screen or on edge, to sight along the side of the phone to follow the pibal.

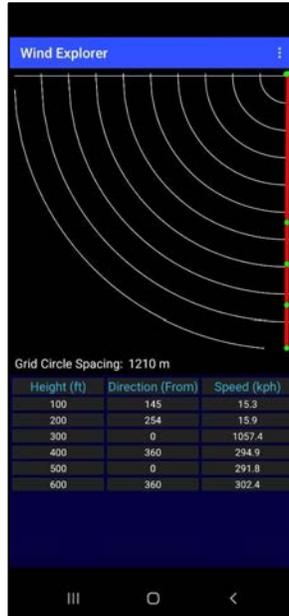
Costs:

- Smartphone with a data plan
- Pibal – a standard 12 inch – smaller can be used if ascent rate is adjusted
- BFA membership – US\$35 digital Int’l membership. The app requires a BFA membership.

Data is transmitted to Google Docs (?) and then back to the phone. Data is available in many formats and can be shared to many. Data can be presented as a hodograph - A hodograph is a diagram that gives a vectorial visual representation of the movement of a body.

Here are some pictures of the screen output from the WE.





A hodograph presentation of the data from two fictitious runs.

The app, and software are still being worked on. Anticipation for availability is late 2022. The work is being done by university students; thus, the timing is flexible according to their availability.

Here is a video of AI talking about the WE. The video is long, 47 minutes. The description of the WE begins at 13 minutes and continues with detailed explanation.

<https://vimeo.com/542837091>

Conclusion: The WE is very portable. Easy to use, has many adjustable variables, cost of US\$35 per year/user.

Question: Development seems to be slow, as it depends on the time and availability of those working on it.

So, this is just another piece of the puzzle. Let me know if you have questions or comments. / Richard ...

If you are really into calculations and trigonometry, then Google – pibal calculator. Here are some results:

<https://home.csulb.edu/~mbrenner/calculat.htm>

<https://www.brisbanehotairballooning.com.au/pibals/>

<https://slideplayer.com/slide/5096796/>

<https://www.yumpu.com/en/document/view/32531814/a-challenging-exercise-in-vector-analysis-physics-and-astronomy>

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Wanted: President Elect

No experience necessary.

Please contact anybody on the CBC Executive if you're willing and able to help.

Online Lift Calculator

<https://cazooee.com/lift/weight.php>

Developed by Dean Carlton and Ryan Carlton, it automatically uses the standard adiabatic chart, or you can insert a temperature at altitude. You can also go backwards and determine the maximum altitude based on a certain weight.

It's not as detailed as the load charts in a flight manual, but is a quick check.

Max Lift Calculator

Balloon Size
 cf

Max Envelope Temperature
 °f

Target Altitude
 ft agl

Surface Elevation
 ft msl

Surface Temperature
 °f

Choose Temp at Altitude Form
 Use Standard Lapse Rate
 Manual Entry
 °f

Lift Limit by Factory
 lbs/1000cf

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We'll miss you! 

Brain Juke and Donna have moved from Alberta to the Ottawa area.

Inspection Day

You can smell spring in the air! It is time to get ready for a summer of flying. With the better weather, it is easier to haul the equipment out, give it an inspection and do a bit of maintenance. On Saturday, April 23rd there was an 'Inspection Day'.

- Ten people spent the day at the "Clark Balloon Port"
- Four complete balloon systems were inspected and signed off
- Three additional burners were inspected and/or serviced
- Three other balloon envelopes were either repacked or relocated on the property
- One propane tank was serviced
- Two separate flight logbooks were reviewed
- There was one AME (Dale Ritchie) and two AME trainees in attendance
- Everyone enjoyed a barbecue lunch on the Clark's deck





- Estimated 3,500 BFA members, 70 clubs
- 350 attendees, 4 days; 2 days with 45 seminars offered, 2-day symposium on how to put on an event.

Richard and Heather Clark traveled with Cliff and Sheri Skocdopole to Topeka, Kansas to attend.

At the BFA convention, there was a schedule of 45 seminars, of which one could physically attend 11. While they were all interesting, two seem worth noting: Checklists, and Ground Crew Safety.

The 'Checklist' seminar began with the OODA Loop - The cycle begins with an observation, which leads a participant to orient on possible options, then decide on an appropriate course of action, and finally act on that decision. This led to checklists – Pre-inflation, Pre-flight, and Passenger Briefing. There were stories on forgetting the burners, to refuel after a flight, or missing a first aid kit. Mental or written, checklists are important.

'Ground Crew Safety' focused on pilot redundancy - the inclusion of extra components which are not strictly necessary to functioning, in case of failure in other components. This is an overlap of the pilot skills by the crew. Two heads are better than one. Develop the crew interest and train to a level that they know the flight routine. Some points:

- Speak up about items that you question
- Monitor radio and weather patterns
- Observe powerlines
- Landing assistance – wind, dropline
- You are crew and safety officers

To answer the question of "When will I get a ride?" It depends on availability, weather, and other factors that the pilot will be considering. Getting a flight may take one or fifteen times for the opportunity to present itself. Come out to learn the skills of crewing. Enjoy the chase.

As we get out flying, there is a great opportunity for crew to learn lots, and provide redundancy for the pilot.



BFA National Convention



BFA National Convention





Drumheller Spring Happening

April 29 - May 1



It was great to get together in Drumheller. Eleven balloons flew on Saturday morning, and ten flew on Sunday morning. The most commonly heard comment - "There wasn't enough time to visit with everybody!"



*Weather check!
Linda & Walt Then, Garry Lockyer*



Ken Dudgeon and Dirk Luxen



*Bill Dickinson
and Gepetto*





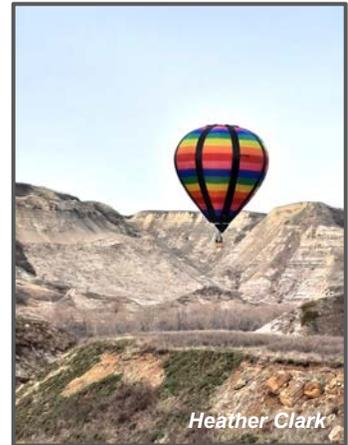
Sheri Skocdopole



Cathy Dudgeon



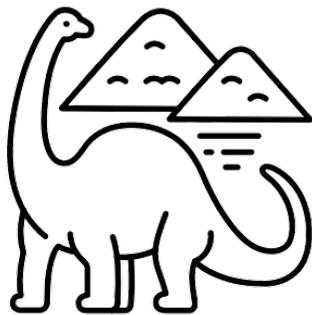
Greg Lapp

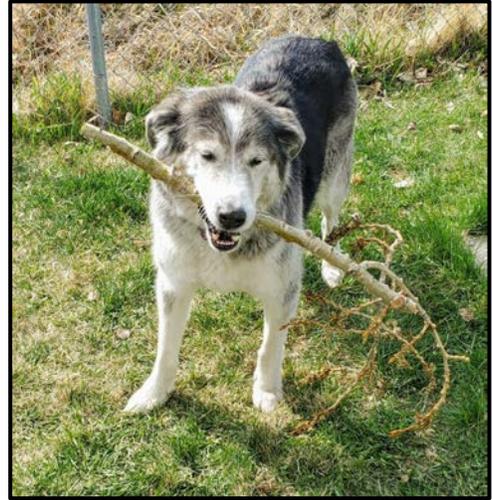


Heather Clark



Heather Clark



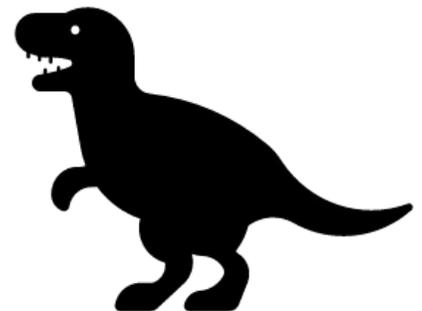


Del Michaud thoughtfully got some sticks while tree-topping, and there was some discussion about who should keep them. Richard Clark had first dibs, then the stick went to Dennis Myrthu, before Rufus Henderson finally laid claim to it.



**THAT LOOKS LIKE
A LOT OF FUN!**

**YOU SHOULD COME TO THE
46TH ANNIVERSARY
CELEBRATION IN SEPTEMBER!**



RECENT FLIGHTS



February 12 - Shane Lockyer and Cathy Dudgeon launched from the High River Balloon Port to drift slowly across town to get the attention of several local photographers, then descended for several gorgeous shots against the mountains.

March 26 - Brent Gordon, Cathy Dudgeon, Scott Beaton and Shane Lockyer launched from High River and flew south.

Cathy was flying a Ukrainian banner in support of her crew's son, who volunteered to fight in Ukraine.



RECENT FLIGHTS



Del Michaud, Jamie Kinghorn, Linda Then, Scott Beaton, Scott Gordon, and Shane Lockyer flew out of High River on April 2, 2022.

RECENT FLIGHTS



Walt and Linda Then's
Easter flight on April 16th



Mark Your Calendars!

We're going to try this again... LET'S PARTY!

46th Anniversary Celebration

Saturday, September 17, 2022

Save the Date

Calgary Balloon Club

For more information, email: calgaryballoonclub@gmail.com or visit <http://www.calgaryballoonclub.ca>

Drumheller, Alberta



RISE UP

HOT AIR BALLOON FESTIVAL

MAY 26 - 29, 2022

Rise to great heights together.



2022 CALENDAR OF UPCOMING EVENTS



Dates and locations will be confirmed by email.
All events are subject to Alberta Health Services' pandemic guidelines.

DATES	EVENT	LOCATION
May 26-29	Rise Up Hot Air Balloon Festival	Medicine Hat
June 8	CBC General Meeting	
June 19	Wings & Wheels	Hangar Museum
July 21-24	Big Sky	Billings, Montana
Aug 4	CBC Annual Summer BBQ	Bowness Park
Sept 2-5	Hespero Annual Balloon Race	Hespero
Sept 14	CBC General Meeting	
Sept 16-18	Fall Drumheller Happening and CBC 46th anniversary celebration	Drumheller
Sept 21-25	Heritage Inn International Balloon Festival	High River
Oct 1-9	Albuquerque International Balloon Fiesta	Albuquerque
Oct 21-23	Raven Rally	Raven

Please send submissions for the August newsletter
to Sharon sjelliott@sasktel.net or Cathy cathycdn@gmail.com by July 31st.

We'll try to get the August newsletter out on time, with it being summer break!

Calgary Balloon Club Membership Application

Membership Year is from January 1 to December 31



Name: _____
 Surname First

Address: _____
 _____ Postal Code: _____

Email Address: _____

Phone - Home: _____ Phone - Cell: _____

It is the intention of the Club

- to use the information to contact you about Club activities
- to provide a Membership Roster and email list for Club members
- to use the information for Club purposes
- for you to have access to your information
- to respect your privacy

***I give permission to have my contact information included on the Membership Roster and/or email list to be distributed to the members of the Calgary Balloon Club.**

Circle One YES NO

<u>Membership Class</u>	<u>Rate</u>	<u>Amount Enclosed</u>
Active	\$45/year	\$
Family of Active Member	\$15/year	\$
Name(s) of Family Members applied for		
Family member's email address, phone		
Total Enclosed	\$ _____	

Please make **cheque** payable to:
 'The Calgary Balloon Club
 c/o 5639 Maidstone Cres NE
 Calgary, Alberta T2A 4C3

For **e-transfer**, please send to Dirk,
 Club Treasurer at luxen@shaw.ca