

unless you feel a genuine surge under the wings and are confident that it is real. It's OK at normal cruise conditions to make a mistake on the thermal turn direction but when the day is going bad you can't afford that mistake. You certainly can't afford a 360 degree turn into nothing or sink. Keep your eyes outside the aircraft because dust, birds, and other gliders can help a lot. Watch for haze domes and developing cumulus under the overcast. Fly as smoothly as you can.

Finding Lift when High

When high, go for the dark spots. As the overcast and spread develop you will usually see dark spots in the overcast (removing sunglasses may help with this). The dark spots are there because the cloud is thickest at that point - usually the result of a residual thermal billowing up in the overcast. You can climb under those dark spots - probably not like you may have been climbing earlier in the day, but we are now in survival mode and will use any climb.

Finding Lift when Low

When low, go for the remaining sunlight. As the cloud shadow develops there will frequently remain a few isolated areas of sunlight on the ground, often quite small. If you are low, go to these (or slightly downwind of them). Just remember to keep a safe landing field in range. The remaining sun-lit patch focuses the thermals at that point and the departing thermal entrains all of the ground heated air from a much larger area than what is sunlit (see the first item above). This trick has saved me many times and once got me a free steak dinner when I radioed this advice to a guy getting ready to land out, "Fly over the sunlight first!" He made a save and bought me supper that night. True story. This really works.



Roy Bourgeois is a well known US and South African glider pilot who serves as the Chief Pilot for the Greater Boston Soaring Club. He has held several US national records, competed in many US and Canadian Nationals, and has flown over a quarter million XC kilometers in his 4200 hours of gliding. He can be reached at royb@bw.legal

Article courtesy Wings & Wheels, USA.

Infrastructure matters

On the day discussed at the beginning of this article it did not surprise me that the two guys who landed out did so in fairly high altitude airports located in somewhat isolated areas directly on their course home. While my flight path home often favours those two airports, when the day gets tough I divert east instead to a lower elevation airport I can reach that is slightly off course but surrounded by a large built-up area of urban tenements, industrial buildings, and silos, rail yards and a big steel bridge all to the west (and usually upwind) of the airfield. These features hold heat long after the sunlight stops and I have effectively used that area for a final climb to get home many times. If low, I arrange my flight path so that I can fly over the built-up area before heading to the airport and I usually find a climb over the infrastructure sufficient to get me home the last few miles, even when nothing else is working. With a rural or isolated airport as your safety field, you don't have this tool available.

Lastly, but most importantly, while all of these tricks usually work, you must never depend exclusively on them nor commit to a final glide to your home airport unless you are sure that you can make it and with reasonable margins. Always have an alternate plan and a safety field in your inventory if it doesn't work. There are few things that take the fun out of soaring (or worse) more than a sketchy final glide over unlandable terrain while watching all of your margins evaporate. Any good land out is better than a failed final glide with no safe options.

I hope this article has value for you. Stay safe. Have fun.

An Invitation

Ross Gaddes

I want to invite all members, partners, and friends to
a Mid-Winter Mushroom Risotto evening
at our clubhouse
on Saturday July 24th at 6pm.

Under Simon Gault's direction, the quality food will be perfect for a cool winters evening at the AGC clubrooms.

\$27 per person:
This includes our annual prizegiving and will also include lots of fun.

Make a booking in your diary now!

AGC Membership Update

Greg Balle, Membership Secretary

I've just completed a round-up for a committee request to present stats at GNZ AGM. This is the outcome:

We currently have a total 102 members registered with GNZ at season ending June 2021.

1 Visiting Pilot
7 Communications only
13 Youth
81 Flying

Additionally, AGC has nine Associate Members – these are volunteer/social/honorary, and do not require registration with GNZ.

QGP Theory Lectures and Examination Schedule

Russell Thorne, AGC CFI

The following is the 2021 Theory Lectures and Examination Schedule to be held at the Auckland Gliding Club beginning after Queens Birthday weekend at 09h00 on Saturdays during the Winter Season. Expressions of interest to cfi@glidingauckland.co.nz

All Glider Pilots under training should consider attending this series. The one-hour exams are multi-choice and require a 70% pass rate.

Please bring your training syllabus for exam signoff.

Apart from the GNZ online content, there is the Qualified Glider Pilot Study Notes publication available from Gliding International Bookroom at \$32.00. Most exam content is sourced from this

publication. See <https://www.glidinginternational.com/books-dvds>

Schedule

12 June Navigation and Airmanship- Russell Thorne
19 June Air Law- Gerard Robertson
26 Jun Exams Law and Navigation/Airmanship- Russell Thorne
3rd July Meteorology-Anton Lawrence
10th July Human Factors -Jonathan Cross
17th July Exams Meteorology and Human Factors-Russell Thorne
24th July Glider Technical - Gerard Robertson
31st July VHF Radio Theory- Russell Thorne
7th August Exams Glider Technical and Radio Theory-Russell Thorne
14th August VHF Radio Practical -Russell Thorne

When making payments to the Club Bank Account Number 03 0104 0012743 00, PLEASE ALWAYS include the Invoice Number and Your Surname.

Thanks to all those who have contributed to this edition. If there is anything you would like to share with the members via this newsletter, text or photographs, please e-mail me. I will be grateful for any contributions, whatever they may be.

Editor: Peter Wooley, Ph 021 170 2009; e-mail wooleypeter@gmail.com
