



Auckland Gliding Club

NEW MEMBERS NIGHT

Saturday 22nd Feb

Everyone welcome!

Meet our newest members and find out what's going on in the club



WOODFIRED PIZZA **\$15**

HAPPY HOUR 6PM-7PM - \$3 HEINEKIN

*price based on numbers, please express your interest
by leaving your name on the form at the bar or email
rjkmelli@gmail.com

New Members

Guest speaker
(HBL)
shares their gliding story & experience

Newsletter

8th – 9th February 2020



Come over to the quiet side – young power pilots' visit 8th February

Airline Flying Club will visit the Auckland Gliding Club on Saturday 8th February.

They're bringing their young members, the Young Eagles, about 10 to 15 of them, aged between 15 & 18.

The main purpose is to have a tour of the airfield, aircraft, operation and be given a talk about gliding, competitions, tasks, badge flights etc.

Some may want to fly, but is only an option at this stage

They will arrive on the airfield around 10am and would need someone to meet and greet and give them the tour info etc.

We need some pilots to welcome these young pilots – we may succeed in convincing them that gliding will really teach them to fly! Please let Russell know.

Newsletter

8th – 9th February 2020



Mini-Nimbus loan

Arthur Gatland has agreed to be present in the coming days for a type rating briefing on the Schempp-Hirth Mini Nimbus B (KR-#81) currently on loan to the club from Bruce Barber.

These are general notes from the Flight manual and Wikipedia for those who wish to obtain a type rating.

For those interested, please notify cfi@glidingauckland.co.nz

The Mini Nimbus is a 15m flapped glider with retractable gear of glass fibre construction with automatic control hook-ups.

The canopy latch has the typical locator pins in the fuselage cradle, similar to the Grob Single Astir.

https://en.wikipedia.org/wiki/Schempp-Hirth_Mini-Nimbus

Apologies from Gerard: I've lost track of days and didn't get this out last night.

Arthur was out at the field today, so Russell may now be able to give ratings on the glider so kindly lent by Bruce – thanks, mate.

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Mini-Nimbus briefing

Limitations

Vne 135kts

Max Flap Speed 97kts

Max Manoeuvre/Turbulence Speed 108kts

Max Aerotow Speed 97kts

Max Winch Speed 81kts

Limit Load Factors +5.3 and -2.65 at Max Man (108kts)

+4.0 -1.5 at Vne (135kts)

+3.5 with air brakes extended

Weak Link 600kg +/- 30kgs

Max TakeOff weight 450kgs

Tyre Pressure 50psi or 3.5bar

Empty weight 255kgs (allows 95kgs water ballast for 100kg pilot)

Max Pilot + Parachute 110kgs

Min Pilot + Parachute 70kgs

Pitot Port -Nose

Static Port -Rear of the wing spar cut out

Aerobatics Permitted- Loop, Spins, Stall Turns, Lazy Eight

The Preflight and Colour coding of controls are conventional

The Flap settings are from +8 to -7 and commensurate with operating speed

The wheel brake is mounted on the control stick

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Mini-Nimbus briefing

Aerotow Take off Flaps -4 setting with trim set to mid range then adjust to 0 at lift off.

Winch Take off Flaps set 0 or +8 at higher weights above 400kgs.

Flap settings are interlinked to Trim settings

Max L/D is 51kts at 0 Flaps setting

Stall Speed at +8 flap setting is typically 33kts (buffeting is felt typically 3kts before)

Min Sink at +8 flap setting is 43kts

Ballast is not recommended with expected thermals less than 3kts

Flap Settings

Approach and Landing +8 (Set from downwind)

Thermalling +8

Between Thermals -4 (at 59 to 92kts)

Minimum Touch down speed with full brakes is 32-35kts (Do not reset brakes during roundout-heavy landing)

Rigging

Set Flaps -7 and close dump valve, unlock brakes, insert left wing and insert pin half way

Set Flaps 0 and open air brakes fully

Insert ring wing open air brakes fully and use locating tool to align spar holes

Insert pin fully and install safety pin.

Instruments Cambridge L Nav and C303 GPS

Turn and Bank , Microair VHF and Transponder.

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Mini-Nimbus briefing

Arthur comments.... & a caution on flap setting changes

It's a classic Schempp-Hirth – comfortable roomy cockpit, docile handling, good performance. The only unusual characteristic is the trailing edge brakes, which are very effective. They combine flaps going to full plus brakes on the upper surface. As such it actually lowers the stalling speed a tad when pulled to full brakes (which is unusual). This makes it great for paddock landings.

The only trap..... as I remember it from 30 years ago!

If the pilot has say 0° flap set down-wind (are for some reason -1 set, for example on a final glide), and THEN selects full flaps, the brakes work as normal and pull the flaps out to full (landing setting).

If the pilot THEN gets low and closes the brakes, the flaps go back to the previous setting (0 or -1 in this example) – this is not good on short finals.

So the message is – on downwind set landing flaps, THEN use airbrakes as required.

In other words – follow normal downwind procedures as for any flapped aircraft – set landing flaps down-wind then use airbrakes as required.

If anyone has flown the Mosquito – it basically had the same wing and brakes combination if I recall correctly



An unusual video

<https://www.youtube.com/watch?v=RF4XkwCL43s>

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ROSTERS – DUTY PILOT

DUTY PILOT ROSTER Ed 1.0 Feb 2020 to May 2020					
Day	Date	DUTY PILOT	Cycle	HELPER	Cycle
Sat	1-Feb	Allen Pendergrast	3	Noah Bullen-Smith	H
Sun	2-Feb	Brian Ruddell	3	Dylan Perry	H
Sat	8-Feb	Caleb Rosvall	3		
Sun	9-Feb	Callum Dodds	3		
Sat	15-Feb	Colin Bryan	3		
Sun	16-Feb	Dylan Watson	3		
Sat	22-Feb	Geof Green	3		
Sun	23-Feb	Geraldine Dumas	3		
Sat	29-Feb	Gerard Robertson	3	Noah Bullen-Smith	H
Sun	1-Mar	Greg Balle	3	Dylan Perry	H
Sat	7-Mar	In Cheol Kim	3		
Sun	8-Mar	Jason Shields	3		
Sat	14-Mar	Jason Williams	3		
Sun	15-Mar	John Robertson	3		
Sat	21-Mar	Jolyon Reeves	3		
Sun	22-Mar	Kate Farrant	3		
Sat	28-Mar	Keith Malkin	3		
Sun	29-Mar	Lois Kok	3		
Sat	4-Apr	Lal Busher	3	Noah Bullen-Smith	H
Sun	5-Apr	Matthew Williams	3	Dylan Perry	H
Sat	11-Apr	Peter Himmel	3		
Sun	12-Apr	Patrick Brennan	3		
Sat	18-Apr	Stephen Barfoot	3		
Sun	19-Apr	Rob Meili	3		
Sat	25-Apr	Ross Jones	3		
Sun	26-Apr	Nathan Montano	3		
Sat	2-May	Tony Noble	3	Noah Bullen-Smith	H
Sun	3-May	Vincent Vingerhoeds	1	Dylan Perry	H
Sat	9-May	John Bayliss	1		
Sun	10-May	Andy Campbell	1		
Sat	16-May	Anton Lawrence	1		
Sun	17-May	Bradley Greer	1		
Sat	23-May	Campbell McIver	1		
Sun	24-May	Christian Derold	1		
Sat	30-May	Conal Edwards	1		
Sun	31-May	Dale Maxwell	1		

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ROSTERS – TOW PILOT



Auckland Gliding Club Towing Roster (191106)

		0930-1330	1330-1800
Sat	12-Oct-19	Currency	Graham Cochrane
Sun	13-Oct-19	Wayne Thomas	Wayne Thomas
Sat	19-Oct-19	John Bongrain	
Sun	20-Oct-19	Ron Burr	Currency
Sat	26-Oct-19	Currency	Currency
Sun	27-Oct-19	Pat Driessen	Currency
Sat	2-Nov-19	Currency	Currency
Sun	3-Nov-19	Currency	Graham Cochrane
Sat	9-Nov-19	John Bongrain	Tim Dennis
Sun	10-Nov-19	Ron Burr	
Sat	16-Nov-19	Wayne Thomas	Wayne Thomas
Sun	17-Nov-19	Pat Driessen	Graham Cochrane
Sat	23-Nov-19	Currency	Currency
Sun	24-Nov-19	Andy Campbell	Graham Cochrane
Sat	30-Nov-19	John Bongrain	Tim Dennis
Sun	1-Dec-19	Ron Burr	Wayne Thomas
Sat	7-Dec-19	Wayne Thomas	Wayne Thomas
Sun	8-Dec-19	Pat Driessen	Graham Cochrane
Sat	14-Dec-19	Wayne Thomas	Wayne Thomas
Sun	15-Dec-19	Pat Driessen	Graham Cochrane
Sat	21-Dec-19	John Bongrain	Tim Dennis
Sun	22-Dec-19	Ron Burr	Wayne Thomas
Sat	28-Dec-19	Currency	Currency
Sun	29-Dec-19		Graham Cochrane
Sat	4-Jan-20	Currency	Currency
Sun	5-Jan-20	Andy Campbell	Graham Cochrane
Sat	11-Jan-20	John Bongrain	Tim Dennis
Sun	12-Jan-20	Ron Burr	Wayne Thomas
Sat	18-Jan-20	Currency	Currency
Sun	19-Jan-20	Pat Driessen	Graham Cochrane
Sat	25-Jan-20	Currency	Currency
Sun	26-Jan-20	Andy Campbell	Graham Cochrane
Sat	1-Feb-20	John Bongrain	Tim Dennis
Sun	2-Feb-20	Ron Burr	Wayne Thomas
Sat	8-Feb-20	Currency	Currency
Sun	9-Feb-20	Pat Driessen	Currency
Sat	15-Feb-20	Currency	Currency
Sun	16-Feb-20	Andy Campbell	Graham Cochrane
Sat	22-Feb-20	John Bongrain	Tim Dennis
Sun	23-Feb-20	Ron Burr	Wayne Thomas
Sat	29-Feb-20	Currency	Currency
Sun	1-Mar-20	Pat Driessen	Currency