

# Newsletter

22<sup>nd</sup> – 23<sup>rd</sup> August 2020



## Airfield closed



# Be kind

New Zealand Government

Unite  
against  
COVID-19

 **smeg**  
technology with style

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## The issue of "Slip" or use of "Top Rudder"

[https://www.youtube.com/watch?v=W0HKZi\\_ZOvg](https://www.youtube.com/watch?v=W0HKZi_ZOvg)



This issue is controversial, but can be shown to be more efficient in a thermalling turn.

The full aerodynamic aspects of this technique are fully discussed in this YouTube video and worthwhile watching.

I am certainly not advocating its use for student glider pilots, a coordinated turn with the yaw string aligned, is **still** the desired training aim.

What is shown in this video is that applying a small amount of "top rudder" inducing a "slip" in a thermalling turn reduces the amount of top aileron drag, thereby increasing efficiency.

The amount of deflection of the yaw string towards the upper wing is in the order of 10 degrees, not much, and barely discernible.

The promoter mentions that some gliders are more open to this technique than others, how does yours respond?

Promotion of this technique is popular in mountain flying, where the accuracy required and safety measures required, are paramount.

What is most **undesirable** is the opposite application of a heavy inside foot promoting "skid" in a turn, which is "pro-spin" and unsafe.

This related YouTube video explains why initiating a skidding turn by the overuse of rudder results in a spin.

<https://www.youtube.com/watch?v=t2wIJGybgSY>

Feedback welcome



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## Major events forthcoming (club)

### **Gliding Instructor Course Begins (5 Weeks on Wednesdays)**

-Thursday 20th August at 7.30pm (Zoom)

### **GNZ Training Presentation followed by Mid Winter Dinner**

-Sat 29th August @ 5pm @ Drury

### **Auckland Gliding Club AGM**

-Sunday 20th Sept @ 9.30am @ Drury

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## Major events forthcoming (comps)

### [Matamata Cross Country Course](#)

**-Sat 24th Oct 2020 - Wed 28th Oct 2020**

[Taupo Central Plateau \(practice 31 Oct + 7 comp days 1 to 7 Nov\)](#)

**-Sat 31st Oct 2020 - Sat 7th Nov 2020**

[Omarama South Island Regionals \(TBC\)](#)

**-Sat 14th Nov 2020 - Sat 21st Nov 2020**

[Matamata Northern Regionals](#)

[-\(practice 28 Nov + 7 comp days 29 Nov to 5 Dec\)](#)

### [Springfield Soaring Championships](#)

**-Sat 28th Nov 2020 - Sat 5th Dec 2020**

For further info see

<https://gliding.net.nz/events/?gnz=true&other=true&type=all&timerange=future&pageView=summary>

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## Major events forthcoming (comps / events)

Matamata Air Cadet Camp

-7th-11th December 2020

[Omarama YouthGlideNZ camp](#)

-Thu 10th Dec 2020 - Sat 19th Dec 2020

[Matamata Sailplane Grand Prix \(4 comp days 27 to 30 Dec\)](#)

-Sun 27th Dec 2020 - Wed 30th Dec 2020

[Omarama Nationals \(practice day 01 Jan + 9 comp days 02 to 10 Jan inclusive\)](#)

-Fri 1st Jan 2021 - Sun 10th Jan 2021

[Auckland Enterprise \(practice day 16 Jan + 7 comp days 17 to 23 Jan inclusive\)](#)

-Sat 16th Jan 2021 - Sat 23rd Jan 2021 @ Drury

[Matamata Club Class and MSC \(practice day Fri 29 Jan + 9 comp days 30 Jan to 7 Feb\)](#)

-Fri 29th Jan 2021 - Sun 7th Feb 2021

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## Something to watch in winter

### First Light

(from the book written by Geoffrey Welland, a young Spitfire pilot)

<https://www.youtube.com/watch?v=3liVmImc7CQ&t=228s>

And from Stefan

### Epic Elevator - 6 m/s Thermal in a Glider

<https://www.youtube.com/watch?v=ATOq8N3fBfE>