Brakes on, Throttle Set ...

EAA SA April 2022 Newsletter

...Contact!





April 2022



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President's Column

Paul Lastrucci



Greetings!

We are starting to approach the great weather here on the Highveld, those brisk jewel of an early morning flights are starting to beckon and, with the state of emergency seemingly disappearing quicker than a "Cheetah Pouncing a Politician", things are looking up. Well, they say more haste less speed, so if you recently filled up your airplane you are now considerably poorer in terms of currency, but just think of the freedom you still enjoy lofted above mother earth, it is definitely still worth it. For you guys in Natal, in the recent past well you may just have to dust off the Jetski's in your hangar just to get to the clubhouse.

We have been busy this month with the groundswell of the current Part 139.5 legislation regarding the registering of all airfields that was submitted through the EAA. Thanks to Marie for administering this and the time taken by our members and others that this may affect. This has been on the table for the past 5 years or so with the intention of registering all airfields so that there is at minimum administrative control.

Martinus Potgieter, past vice chairman at the Aero Club, attended the Aviation Infrastructure (AI) subcommittee meeting at the SACAA where this was deliberated by industry and SACAA as to the

merits and against its implementation. Below are some extracts from the meeting:

Over the past 5 years the SACAA has made many attempts to pass this regulation. The motivation is that the State is a signatory to the ICAO convention, and is obligated to ensure that standards applicable to all commercial operations are in place which by their very nature will and guarantee safe operations.

There was also another motivation which tugs at the average South Africans heartstrings - security. There was discussion around smuggling and other crimes, like animal trafficking etc.

The Security Cluster are pushing for licencing to curb smuggling and many other crimes. Ironically there was regulation passed to register airports which is a simple cost-free online process and should just be merely be confirmed by the SACAA. As it stands, Part 139 subpart 5 proposal will mostly affect Part 135 charter operations and not scheduled operations as they already operate from licenced aerodromes.

At the meeting the AI sub-comm Secretariat selected comments received to discuss in detail. The objections cover the duplication of all the comments received.

The most favoured comments received were:

- · Cost of licencing
- \cdot SACAA use safety as a motivation but with concrete statistics proving that.
- · Impossible to obtain local authority permission for licencing.
- · Should only be applicable to aerodromes entertaining aircraft above 5700 kg.
- · Licencing process can take up to 6 months while runway cannot be used.
- · Impossible to licence some runways that are used by safari operators.
- This will completely kill Part 135 operations.
- All recreational runways should be excluded.

Its widely known that from any aviation perspective any regulatory requirement will attract the ever-daunting Part 187, which is fees. There



will have to be an infrastructure cost in place to manage this process, it will have to be reviewed yearly.

So, if a mere inspection that precludes an issuing of an authority to fly for an aircraft that is purely for pleasure, now nudging around R4k, our recreational airfield owners are going to have to fork out considerable cash annually, that they haven't had to before with little known material benefit.

This is what is largely hurting the airfield owners, other than privacy infringes, with airfield owners I have chatted with. There still needs to be a cost vs value exercise done on this proposal and one of the reasons for the pushback by the industry is that this is still 5 years down the line not known.

Some say it's the thin edge of the wedge, as once it's in the regulatory document, it's easily interpreted at the gate to be just what the official wants it to be.

A private airfield is just that, it's private, so if you want to land at one of these fields, it's by invitation as it was in the early legislation. Airfields prior to the 94 dispensation were Public and Private, and today in the current legislation Licensed and Unlicensed.

It was concluded that more work is to be done on this and the AI Sub-Com secretariat was instructed to schedule a further workshop where industry and SACAA will further engage thrashing out a possible solution. A suggestion was that the AeCSA Chairperson recruit two or three AeCSA members with comprehensive regulatory experience to champion the Part 139 subpart 5 workshop.

Airfields are an integral part of the aviation and the greater community at large. There is room for regulation, particularly in the commercial environment. Sadly, there has been a systematic demise of airfields in most towns in South Africa. Most of the general aviation licensed airfields nowadays are member or user funded if they are to be safe and functional. Private or unlicensed airfields should not have to jump through commercial hoops and it's the pilot's choice to land there.

This process still has some unpacking until a

workable model is found.

Don't forget this month the EAA Convention, come and enjoy recreational, amateur built and experimental aircraft along with the annual Aero Club Airweek and the various ARO's where we can all rub shoulders and enjoy the camaraderie and friendship this will offer

See You There and Stay Safe Paul

EAA Annual Convention 2022

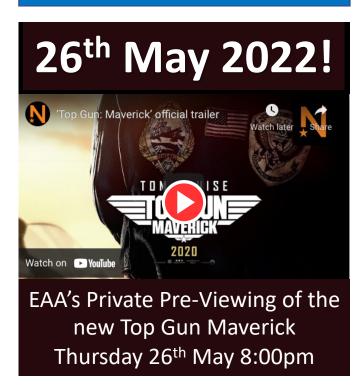
Middelburg Airfield Mmpumalanga

Book your accommodation now!

- Pre-setup tents <u>HERE</u>
- Your own tent or caravan
- Air BnB's in town shuttle bus available!

Friday 22nd to Sunday 24th April

In conjunction with the Aero Club Airweek





Our March Gathering – hybrid at the auditorium and at home! Held on 2nd March 2022

We opened the gathering with our "Mystery Aviation Personality" who turned out to be none other than the motherships chief honcho – Jack Pelton, Chairman of the Board and CEO of the Experimental Aircraft Association (EAA), and the former CEO of the Cessna Aircraft Company, a subsidiary of Textron Inc (and now a brand of Textron Aviation). Before becoming Cessna's CEO in 2004, Pelton was its Senior Vice President of Engineering. Prior to joining Textron in 2000, he was Senior Vice President of Engineering and Programs at Fairchild Dornier, and previous to this, worked at McDonnell Douglas for over two decades.

Next, we welcomed our new members, our current members and our presenters – Rob Brand who did our safety talk and Karl Jensen and Bateleurs Director Sven Kreher.

Birthdays for March were 28, that means potentially a party nearly every day of the month! Paul Lastrucci then presented his ARO update, a process that once again seemed to have gone smoothly thanks to the dedicated EAA members who headed that up.

Upcoming events included the EAA Breakfast Fly-in and Campover at Silver Creek Gorge on Saturday 12th March (see report back on page 5), the Young Eagles day at Rhino Airfield on Saturday 9th April, the upcoming EAA National Convention and



EAA CEO, Jack J. Pelton

AeroClub Airweek at Middelburg on the weekend of the 22nd to 24th April as well as the Bona Bona Fly-in 27th to 29th May – a busy month ahead!

Steve and Karl then gave us a wonderful introduction to the Bateleurs, what they do, how they do it and how we, as EAA'ers, can become involved – "We are surrounded by evidence of man's impact on earth. Yet burdened as we are by our daily routines, limited as we are by our earthbound perspective, we cannot see the real impact we have on the planet that gives us life. We need to take a step back. Or perhaps, we need to fly.

From the air, we can see the earth in its true fragility.

We can assess the enormous power humans have to build, to alter, to destroy."

Amongst the work the Bateleurs do is;

- Aerial surveys of wetlands
- Monitoring illegal developments in protected areas
- Translocation of animals between parks and reserves
- Tracking of collared animals
- Game counts and counting of birds, nests and eggs

Their work in the air helps protect life on earth and can be used to;

- Educate policymakers, civil society Peace Parks, EWT
- Lobby policymakers, civil society
- Rescue injured creatures lion, cheetah, rhino
- Enforce laws in respect of illegal mining and building,
- Surveillance of reserves

Sean Cronin also updated us on upcoming developments in his region, the Platinum Sector in the North West Province.

Karl finished off the talk with a slide show depicting Bateleur members in action. Thanks to Sven, Karl and SEan, a number of EAA members have already shown their willingness to volunteer!

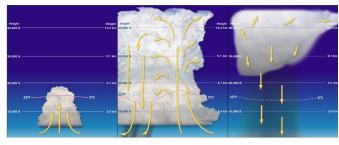


Pelican survey team – The Bateleurs has conducted various pelican aerial surveys with avian demography units at the University of KwaZulu-Natal, and the University of Cape Town

If you are able to volunteer for this important work, please consider joining the Bateleurs. Details can be found on their website www.bateleurs.org
After a quick finance report, which showed EAA 322 in a good position with many members renewing and new members joining, Rob Brand presented his monthly Safety Talk. This month covered an important topic — Thunder Storms, a very pertinent subject especially at this time of year! Rob started out with thunderstorm

basics – the towering cumulus stage, the mature stage and the dissipating stage.

Thunderstorm Stages - NOAA



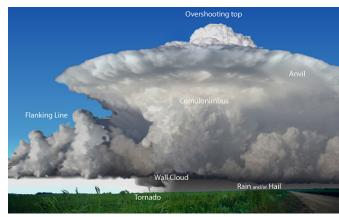
Towering Cumulus Stage

Mature Stage

Dissipating Stage

Rob then outlined the different types of thunderstorm – single cell which lasts only 30 to 60 minutes, briefly generate up and down drafts and severe weather. The multi cell type is much more severe and can last for longer, can be a line of cells and will generate more severe weather. Then the supercell, the most dangerous of all, can last for hours and is most likely to generate severe weather.

Things to watch out for when flying in stormy weather are the flanking line and inflow tail or beaver's tail where severe turbulence, tornados, hail and rain can occur.





Many thanks to all who presented, attended and a big thanks to the Marie and her team for setting up the auditorium and to Pottie, Coen and Stephen for making sure we were fed and hydrated during the evening once again!





The Silver Creek Falcons in action

perfectly adequate, washed down by a cup of coffee or a fruit juice. Nearly 80 breakfasts were sold on the day, a testament to the popularity of the Silver Creek events!



Friday lunch at Moose's Cafe



Swapping rides – Pierre about to try out the Bat Hawk



Musos – Dean and Brandon



Nico Brandt, and the Murrays



Jeff and Sharlene's Tiger







What a pleasure to see a line up of aircraft like this at an EAA event!



Make sure you are at the EAA Annual Convention this weekend!

The closest event you'll get to Oshkosh here in South Africa!

Nav Rally ◆ Forums ◆ Aircraft Judging ◆ Friday Night

Braai ◆ Saturday Night Awards Party ◆ Camping on the

Airfield ◆ Shuttle Bus to Town

Middelburg Airfield Friday 22nd April to Sunday 24th April





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EAA NATIONAL CONVENTION 2022



South Africa's BIGGEST GA Aviation Event!

22 to 24 April Middelburg Airfield
In conjunction with the Aero Club Aviation Week
Flying Competitions Aircraft Judging Camping on the airfield or Accommodation in town
Make sure you are there!

EAA South Africa Chapters and Committee Members

EAA National

President Paul Lastrucci
Vice President David Toma
Treasurer Mark Clulow
Secretary Keaton Perkins

Committee Members

MembershipMark ClulowYoung EaglesKeaton PerkinsPROKarl JensenWebsiteDean FernandezNewsletterNeil BowdenSafety OfficerNigel MusgraveFinance AsstBrad Stephenson

AP Rep / Tech Officer Peter Lastrucci & Andy Lawrence

Auditorium Marie Reddy

EAA Chapter 322 Johannesburg

Meets 1st Wed of month at the EAA Auditorium, Rand Airport

ChairmanNeil BowdenVice-ChairmanSean CroninTreasurerMark ClulowSecretaryRonell Myburgh

EAA Chapter 1502 Durban
Chairman Alan Lorimer
Vice-Chairman Russell Smith
Treasurer Robbie Els
Secretary Mike Korck

East London Chapter 1262

Meets last Saturday of the month Wings Park

Chairman : Mike Wright
Vice-Chairman James Wardle
Treasurer Dave Hartmann

Chapter 870 Chairman

Secretary / Treasurer Hennie Roets

Committee Members Johan Mouton & Carl Visagie

Kroonstad

Niel Terblanche

Chapter 788 Chairman Vice-Chairman Treasurer Port Elizabeth Brett Williams Russell Phillips Deon Swanepoel



- In 2021, more than 2.2 billion passengers booked a flight with a commercial passenger airline. In 2020 there were only 1.8 million passengers. By late 2022 the expected number is 3.4 billion passengers
- The first Business Class seat sold was on Qantas in 1979 offering wide and more comfortable seats, meal choices, free drinks and access to a lounge
- Alaska Airlines was the first airline to offer online check-in in September 1999. Kathy Bloom from San Jose, California. She worked for IDT Inc., a tech company that trialled the process
- British Airways serves at least 35 million cups of tea per year. In 2013 the airline teamed up with Twinings to produce its own blend
- Bette Nash is the longest-serving, most experienced and most senior flight attendant in the world. She's been working as a flight attendant for American Airlines (formerly Eastern Airlines) since 04 November 1957. Nowadays she works flights between Washington, D.C. and Boston so she can get home every night to take care of her special needs son. These flights are commonly known as the Nash Dash
- KLM (Koninklijke Luchtvaart Maatschappij) is the oldest airline still operating. Founded in 1919, it began operating flights between London and Amsterdam in 1920.
- In 2018 and 2019 American Airlines generated \$5.8 billion from its AAdvantage rewards programme more than the company's total operating income of \$5.7 billion for the two years
- The airline had the highest revenue globally in 2020, making \$17.3 billion in sales
- In 1987 the airline removed one olive from each salad served in First Class saving \$40,000 a year
- In November 2021, American Airlines offered 170,967 flights per month the most in the world.
 The airline has the largest fleet 891 aircraft
- According to Flightradar24, the average flight between London and New York takes a little over 6
 hours. On 09 February 2020, a British Airways B747 did this in 4 hours and 56 minutes helped
 along by strong winds from Storm Ciara which helped it reach a top speed of 1,328km/h
- In September 2020 Tom Stuker hit more than 22 million miles (35.4 million km), earning the
 world's most frequent flier miles for a passenger all flown with United Airlines. During the
 COVID-19 pandemic he flew a million miles (1.6 million km) in 9 months. He is a Global Services
 member the highest tier on the airline's reward scheme- more than 5 times over. He started
 collecting miles when he flew to Australia from the US for work in 1984
- Singapore Airlines' flight attendants have to pass an initial four-month training programme the longest one in the airline industry before they can start working flights.

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COVID-19 COMPLIANCE IS COMPULSORY



By Karl Jensen (EAA Chapter 322)

I often get asked, by even seasoned fliers, 'where is Fly Inn?' I usually suggest that they hang their heads in shame. My first recorded flight there was in September 1994 when it was just a rudimentary airstrip. Unfortunately, Fly Inn is not a registered airfield and is not hard to locate at S25°58'16" E28°21'02". It does appear on several maps and on Easy Plan and Easy Cockpit.



Waterkloof ATCs in civvies

The airfield has a billiard table smooth 960m runway of which 320m is concrete at 5205ft amsl. The original owners, the Venter brothers, had Adriaan Fisher land, in a Piper Vagabond, on a clear patch on their farm which was known as Plant Plain Seedlings. The brothers purchased the farm when it was home of a Gant Canning Factory. Having grown up in Israel, they were very aware of prudent water usage and were able to establish a



Some of the ATC's demanded seeing the plane that worries them so often

successful seedling growing operation using minimum water. At their peak, they produced 11 million seedlings monthly. Adriaan Fisher's visit and then BEE requirements changed all that and the runway was developed, a 48-stand aviation housing estate was established, with many of the homes with hangars and airplane access to the tarred taxiway. The factory sheds were converted into hangarage and an AMO was opened with a fuelling facility. There are another 11 single aircraft hangars, my shed being one of those. At its peak, there were 75 aircraft based there.

Fly Inn lies 11nm southwest of Waterkloof within the WATERKLOOF CTR and radio contact with Waterkloof Tower on 124.1Mhz is mandatory. During the 26 years that I have been involved at Fly Inn, never have I had any unfriendly exchanges



At the beer barrel

with the WKF ATC. To maintain this accord, the users of Fly Inn Estate periodically invite the ATCs for an informal social gathering. The most recent event was on Saturday 26 March. Having the opportunity to speak with the ATCs face to face, I mentioned that many of my flying friends are apprehensive to talk to them. I even mentioned one of our previously Argentinian members who says he avoids them like the plague. They asked that to please never enter the CTR without radio contact and to advise that you are unfamiliar with the Pinedene Route or whatever, and they will willingly and gently guide you.

Waterkloof does not send you an account when you speak with them on the radio, as is becoming



Trevor David's (EAA 322) hangar, the social venue

a regular occurrence at airfields where ATCs are employees of the airports or are contracted for the task. This is a distasteful situation that could have safety implications.



My hangar at Fly Inn



Sean's Bearhawk Project

It was great to see Sean Cronin's scratch-built Bearhawk Project while at Silver Creek. Covering is all done and Sean was busy painting parts while we were there.







Fuselage and panel are nearly done



This is what Tony Bingellis would have called "poetry in motion" – aaah, the ventilated booth, mask and protective gear!





The Brake Relining Tool

Depending on what aircraft you fly, runway length and how you fly, you will probably have to change brake linings at regular intervals. It's an easy job especially if you have the right tool. The brake relining tool is inexpensive - around \$30 for the punch type shown on the left and \$40 for the screw type on the right, available from most aircraft tool suppliers and easy to use. The kit removes and replace brake pads without distorting holes or damaging the brake pads.

The screw type set allows controlled pressure for a proper flare. This reduces the chance of cracking not only the rivet but also of the lining material. It also helps avoid the costly warping of brake assembly back plates and pressure plates, often associated with using the hammer type method.

Watch the video below and see how easy this job is – if you have the right stuff!





I am delighted to share that, after nearly a year's break, the project is back on track thanks to the recent talk at the EAA monthly meeting about joining the "Bataleurs" inspired me to get going as to become a member and finish the STOL – a great type of plane for game counting, antipoaching etc. – low and slow with exceptional vis!

After finishing the wings, empennage and fuselage, I found an engine that came out of a Bathawk –Jabiru 3300 which Zenith recommend as an option. The the confusion about selecting a suitable prop and everything firewall forward became a reality – so what I did was "nothing" and



Ant busy on empennage fitting



Close up of empennage section

the completed bits gathered dust in my garage and lounge. Zenith offer little advice on the engine/prop choices. Opinions were many. I found a prop that is possibly suitable – an IVO electrically variable. After e mailing IVO that, they said they have had "success" with the Jab engine, I'm still not sure about the combination on the Zenith and have "shelved" that problem for the time being.

Realising that there is still an enormous amount of work besides "firewall forward", I got going with the empennage installation. It's on its wheels so wheeling it in and out the garage is easy — as it can't fit in the garage with the rudder attached. Next is controls, all cables and will give thought to wing attachment next — keep you posted!

News from our friends around the

G



From Gary Stevens, Sarasota, Florida, USA

Gary is a regular visitor to not only our virtual EAA gatherings, but also to the South African campsite in Oshkosh. In January Gary was our presenter via zoom at our 322 gathering. Gary sent in this photo from Sun ;n Fun Florida of the Sling stand at the exhibition. Sarasota is only 130 kms from Lakeland, home to the annual Sun'n Fun fly-in and exhibition - some people live in the right places!

Gary flies a Varga 2150 Kachina.

REGISTER HERE

From Arnie Quast **Galt Airfield, Illinois**

Arnie Quast, United 787 Captain, EAA 932 and 322 member, and 932 Chapter President, sent in this photo from his home airport near Chicago "Spring like weather here at Galt. Hard to believe Oshkosh is less than 4 months away! Does not seem like it. 32 degrees - and about 3 inches of snow today!!!"

Crazy to think that in a few months it will be so hot that they wished it was snowing again!

In his spare time Arnie flies a Piper Arrow and is very active organizing activities in his chapter





Learn about Part 103 ...

... and how this could generate new interest in aviation



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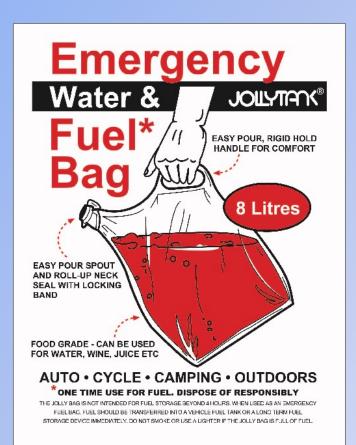
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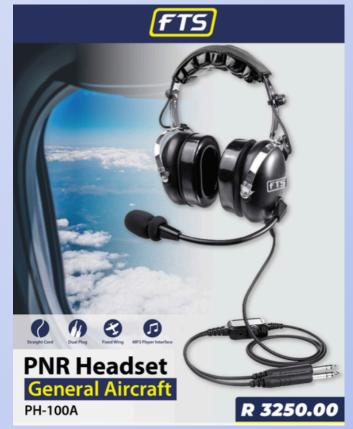
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EAA Market Place



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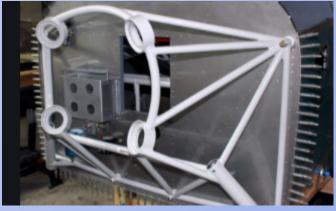
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