

FEBRUARY 2020

NEWSLETTER



Garry Bergen with his Super Stearman
at the recent CMFC Bi-Plane Day



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Classifieds

RC PLANES FOR SALE.

<u>NAME</u>	<u>WING SPAN</u>	<u>LENGTH</u>	<u>PRICE</u>
YAK 54 HYPERION	1300	1250	180
SCANNER	1440	1195	160
DYNAMIC-S	1560	1010	110
EP SUPERCUB	1870	1200	150
PHOENIX 2000	2000	1160	90
DISCOVERY	1460	1200	70
T28 TROJAN	1270	1000	85
EASYGLIDE	1800	1130	75
FMS FOX GLIDER	2320	1290	145
CESSNA 310	1100	950	100
EASYFLY	1960	1210	65
KINETIC 800	800	620	45
KINETIC 815	825	629	60
MIG 29	650	800	40

ALL ELECTRIC .DSM2 2-4 GHZ SYSTEM.READY TO FLY.

CONTACT JOHN FOR FURTHER INFO ON 0438 232 161

PRICE ONO. SOME BATTERIES ARE ALSO AVAILIABLE.

F5J australia



**SSL PARK, NINE MILE RD, MILANG SA
MARCH 7TH, 8TH AND 9TH, 2020**

3 BIG DAYS OF F5J COMPETITION

Qualifying rounds on all 3 days with
fly-off rounds on Monday

2 man teams

Battery charging , kitchen, shower and camping
facilities available at the field



*Follow Southern Soaring League on Facebook
for more information*

proudly supported by

modelflight RC

F5J australia

open F5J international

7-9 march 2020
milang south australia

SSL Park, 9 Mile Road, Milang, South Australia GPS: S 35° 22.004' E 138° 56.609
(500 metres south of Echo Park Rd intersection)

ENTRY FORM

saturday 7 march 9am- 4:30pm F5J heats
sunday 8 march 9am-4:30pm F5J heats
monday 9 march 9am-2:30pm F5J heats & fly off rounds

Competitor Details

Name	(surname)	(given name)
Contact Details	(mobile)	(work/home)
Email Address	Open F5J Y / N	*Sportsman F5J Y / N

Competition Specifics (2 member team/F5J)

Model Club	Frequency
FAI / MAAA Number	Team Member (2)

Fees

Total \$

Open F5J Entry Fee	\$50.00 (includes Monday BBQ lunch)	
* F5J Sportsman Entry Fee	\$50.00 (includes Monday BBQ lunch)	
Saturday Night Dinner at a Strathalbyn Hotel. Venue to be advised	Number of people:	

Payment Method

EFT (Electronic Funds Transfer)	Include your <u>name</u> in EFT Transfer	Southern Soaring League Inc. (Account Name) 085333 (BSB) 205235145 (Account Number)	
Cheque	Cheque made payable to 'Southern Soaring League Inc.'	Postal Address: Southern Soaring League / Robert Gunn 1A Benara Street Eden Hills SA 5050 ph. 0402 245 101	

The Open F5J competition will be flown strictly to current FAI rules, with 2 man teams, and flyoff rounds. The number of participants in the flyoff rounds, and the number of flyoff rounds, will be declared at the pilot briefing Saturday morning.

* Sportsman Class is for pilots using models of less than 3 metre wing span with no other restrictions. They will fly in heats combined with F5J pilots, will fly to the same rules, but have a separate classification. There will be no dedicated flyoff for Sportsman class. Results for Sportsman class will be determined at the end of the qualifying heats.

Pilots can only enter one class and must be a member of the MAAA. Overseas pilots must belong to an FAI affiliated organization.

Entries close Friday February 28.

Please scan and return to: Robert Gunn rgunn008@tpg.com.au

Proudly hosted by Southern Soaring League

Proudly supported by Model Flight

CONCORDE MFC

Well! Perhaps it's time, although somewhat overdue, to report again in as to the progress we have made in establishing our new field at Reeves Plains. It has been just over four years since we lost our patch at Two Wells and it is now just over one year since we arrived at this new location. In that three year hiatus we managed to stay together and continue our activities mainly by becoming associate members of other clubs who were most accommodating and this in turn has established some camaraderie between us and the other clubs in particular Barossa and Skyhawks.

It's thanks to the MAAA/MASA that we have survived with the purchase of a 137 acre block at Reeves Plains being about 5 kilometres north off the Gawler to Two Wells road. This is a considerable asset for our National body which can only appreciate in value and as we only make use of about 20% of the land the remainder is cropped with a further benefit to the MAAA.

This all means that we are just tenants with a lease but in the happy situation that our landlord is the National/State body and so we are not subject to the whims of a farmer or property owner but rather now we have a landlord who is all about our cause and making us feel secure as far as the future is concerned. Furthermore the use of our portion of the land is fully approved by the Light Council and with height restrictions, the RAAF. During the week this means a 400 foot ceiling but during weekends if Edinburgh is not active we are allowed 1000 feet.





Our registered address is “815 Boundary road, Reeves Plains” and is indicated so at our entrance gate. Boundary road is so named as it forms the division between the Mallala and Light Councils and is quite long beginning near Angle Vale and eventually joining up with the Mallala Road. The best route to the club is from the Gawler Two Wells Road going North on Wilkinson road, turn Westward on Hatcher road, go over the Mortimer road intersection and take the next right which is Boundary Road. These roads are all unsealed but quite okay, wet or dry as long the route described is used.

In the year that we have been on the site we have achieved a lot through our own labour and cost effective practices. Our club room had been reassembled, shade structures in place and a substantial amount of paving completed. We didn't have to purchase sand as there is plenty on the site and the paving bricks were obtained free of cost being unwanted, all we had to do was transport them. Abandoned and left on the site was a foreman's shed which we have put to use as a kitchenette. We have electricity via solar panels etc., bottled gas and cooking facilities plus water storage. There is a bore on the edge of the property which we can use, so for the time being and when needed we are trucking water, a pipe will come later.

The work goes on, with plans to extend our shaded pits area sometime in the future, a grassed area in front of the club house and with a concrete slab in and plumbed for the already installed septic tank piping the construction of the toilet block will commence soon. This will have disabled access, wash basins and a shower. The landing strip runs in only one direction to match the prevailing winds but is wide enough to be manageable for cross wind use.

Yours truly has been a member of Concorde for a long time so I have been witness to the struggles we had from time to time in finding and keeping a patch of land to call home. In the three years we spent without a home even the most optimistic enthusiast may have doubts as to our survival but with thanks to many people and their patient efforts, what had been achieved is truly remarkable.

Godfrey Williams.



CONSTELLATION 'WARBIRDS' FUN FLY DAY

Sunday 15th March 2020

Warbirds fun fly day any power and any size is welcome.

Open to any aircraft that took place in any war.

BBQ lunch, cool drinks, coffee and tea will be available, takeoff 9am.

CMFC field 338 Brooks Road, Waterloo Corner





Scale Aircraft Society of South Australia



Be a Part of It.

Next event: Fun Fly Moonta MAC

Date: 15 Mar 2020

Next meeting: Old TAFE classroom, Parafield AP Date: 20 Feb 2020



Scale Aircraft Society
of South Australia

President: Ray Melton
Vice President: Steve Marriner
Sec/Trea: Trevor Woolfitt
SecAssist: Peter Lyas

Secretary/Treasurer
Phone: 0402 815 957
E-mail: t.woolfitt@bigpond.com

*We are a Special Interest Group.
A society of like-minded people
who have scale aeromodelling
amongst some of our passions.*

*We exist for sharing and
enhancing all aspects of scale
aeromodelling, irrespective of
experience. If you have a scale
model or want to get involved
with the Scale Society, come to
one of our meetings at the FTA
classrooms, Hangar 54, Parafield
AP. We are open to all MAAA
affiliated members.*

For more
information check
out the SASOSA
SIG Page on the
MASA website.



THE SIZE NEVER MATTERS

Well, it is questionable, but I always believed “the bigger the better they fly”, naturally, if set up correctly.

Nevertheless, being an EDF jets nutcase for well over 20 years, building and flying anything from 55 mm to large 127 mm powered models, I have noticed some development of tiny EDF power units with the help of 3D printing, going to such extreme as 20mm ID. Having a new ambition to create the smallest single and twin EDF delta jet, based on few



of my existing models and possibly fly it also indoors, my search ended negative as these tiny 20mm units are still in the very early development stage and unproven for their power and reliability. Looking bit further, I have found numerous slightly larger 30 mm EDF sizes available on various internet sites with some reasonable reviews, so I have placed an order on couple of fully

assembled 30 size units.

The chart data showing quite decent figures, tho bench tested, so I normally reduce these by some 25% to be more realistic when fully installed in the model after my experience. While waiting for the OS arrival I have also ordered from the local suppliers some miniature servos, speed controllers and micro receivers and started on the project, “Mini Twin Widow” first, based on one of my giant 8kw 90 mm powered one, I have been flying successfully for the last 9 years.

With the use of 3, 6 and 9 mm Depron sheets, light balsa and ply laminate wood I have slightly redesigned the large TW, at 3.55 scale ratio, creating sleek and rather very light air frame, now added with the wing-lets. Simple 2 servo elevon mix to be hand launched.

I could have saved further some weight if used very slow cure bonding agents but as always, my impatience to create a new toy beat me and went for the fast setting heavier 5 and 15 min. Epoxy, as my best friends.

While relying on the chart measurements I have mocked up out of cardboard the dummy power units and also build the mount supports to the frame for simple power plants installation well before their arrival.



Just as I have completed the full paint job to replicate the larger sister ship, the fan units arrived, earlier than expected. Cute, the fragile little things had to be modified for mounting to the frame by adding tiny plastic brackets secured with liquid nails and miniature screws. I have also laminated to stiffen up the fan shrouds with an extra layer of very light alloy casing to make sure it won't deform under the loads as it is mounted externally.

After rolling out a couple of thrust tubes with the use of fine Mylar sheets to precise measurements, both units were temporarily test fitted to the mount rails to adjust the upthrust and at later stage secured at the rear with further supports to the air frame.

As a novelty in my fleet I have ordered two sets of tiny 18 and 20A, ESCs to make sure the one set will work if the worse happened. First, there was some soldering to do, to hook it up and after removal of the stock fitted 2mm bullet connectors on these tiny 20A, ESCs I have discovered very nasty oxidation (Black wire) under the insulation. Scraping as much as I could from the very fine 18G copper strand leads, hooked it all up to run off the 3S/1.3Ah/60+C battery. Anxious to see how it runs resulted in a bit of disappointment. Both units running pretty rough with rather lousy thrust output. Good thing I had a spare ESC set, this time only 18A but fully programmable. Back to the soldering and after the first test run it was a different story. Much smoother and powerful run of both units, but it took lot more time to re-program each ESC to ideal run while ground testing it with the use of E-meter to compare Voltage, Current draw, Wattage at various throttle settings, also motor run temperature. All these figures recorded in the log book for later analyses and final hook up for optimum performance. (Later, when replacing the leads on those 20A, ESCs





I have discovered the black wire was only on each soldered ends of the wires some 25 mm in length, the rest of the copper strands were nice and clear, so I do believe the technician while assembling the units must have used some acetic corrosive flux compound to create such a nasty oxidation. Bit of a worry!) The current draw at approximately 15-16A each was higher than on the data sheet, stating only 11-12A at 100% of power, despite my ESC re-program to optimum and

most efficient settings, due to the tiny units working a bit harder with the extended thrust tubes, which is quite normal. The thrust was also lower than stated, but I was more than happy with it, at close to one to one power to weight ratio after vertical hover hold test. The fan units come with the widen bell shape shroud air intake, but to improve it I'm designing a miniature rounded bell rings to be fitted to the front which may further improve the performance by some percentage.

While having intention to use 6ch. compatible receiver to my radio, I found some issues, having had to re-bind the RX at each hook up! Luckily found micro light Spectrum RX, and after proper long distance range check, result was all systems ready, to go. My patience run out waiting for the 3D printed bell intakes, deciding to test fly it with out them. To make sure I won't stuff up my maiden hand launch, I have asked an experienced modeler friend to chuck it for me in perfect calm conditions with rather limited visibility due to the smoke haze. Full stick, and of she went! Little erratic at first, just like a roller coaster ride just missing the ground as the launcher threw it pretty hard at much too high angle. The model went first to almost vertical, followed by dropping the nose, just cleared the surface and with the





smoother elevator touch I have regained control to gently climb to safe height. After settling down for a number of circuits, the model was a lot faster than expected and very responsive to controls, especially ailerons. While intending to do a slow barrel roll I have managed to finish I think "3" before I even blinked! The large loops were a breeze with more than enough power at the top. At half stick the model performs in very realistic manner, size wise. For the first flight while using only lighter 1Ah battery I kept the flight to 2.5 minutes, coming back at storage level, 3.8V per cell. The next flight using a 1.3Ah pack was under lot more control right from the start, after re-positioning the battery slightly forward. This time after 3 min. flight time the pack was nice and cool and still well above storage level. I was more than happy with the result. Tapping my helper on the shoulder with thanks and back to the work bench to re-set some elevon travel adjustments. I then realised the tiny 4.5 grams micro servos were not returning to precise neutral position after up or down deflections, which will require some minor corrections through out the flights. Later in the day I decided to have a go on my own with the hand launch. With fully charged batteries back at the field, radio in the left hand, model in the right, tongue used to advance the throttle stick and off she goes. With the hand throw at slightly downward at first, resulted straight down into the soft very high course grass. Next one was much better at fraction higher AOAlaunch. The following launch with heavier and highest C-rated battery, I gave it a pretty firm throw, but this time with the extra power it spiral-torque-rolled inverted into the soft



growth still at full power before having a chance to reduce it. Next one at reduced power to some 75% was another success and wonderful enjoyable flight. Well, great flyer but two bad hand launches out of four was certainly not very promising, only getting away with each due to the high one meter grass growth slowing down the impact with out any damage. It would be certainly a different ending if hitting the solid ground! So the final conclusion is, either to have someone to hand launch it for me or keep on working at it, till I learn it to perfection over the safe soft surface area I have done each launch so far. Well, that was result after the first day flying action. Always keen to sort out the new model I was back at the field next morning in dead calm conditions to have a few more goes. Few good, few bad ones and same the following day made me decide to experiment by installing a small single axis gyro (25 year

old Piezzo 101) I had in the junk box, used in the past in some RC model helicopters. I have never used gyro/stabilizers in any of my fixed wing models so far but if I carried on with this tiny model self launching; it probably wouldn't last too long with only some 50/50 success rate. The only way to hook it up in elevon set up was using a single channel, on ailerons, hoping to stabilize the power units torque roll and keeping the wings level before I managed to get my right hand on the stick to take the full controls. Being an elevon/delta computer mix resulted in operating only one half of the control surfaces. I selected the right wing tab setting the gain to 40%. Back at the field the following morning, off she went with a firm throw. Pretty goog this time followed by another success after the first flight by altering the gain to 60% to check the result.

Due to the rather slow responding micro servos I have found after numerous flights there was only some 35-40% gyro gain needed to make my hand launches quite stable with confidence boosted after each launch there after. With the gain set at the higher rate, the hand launch was a lot more stable but during the flying session there was noticeable wing rocking due to the gyro constantly trying to correct some sloppiness of the miniature 4.5 grams servos. So far I have recorded 25 flights in the log book, all over the soft ground areas during the hand launching, to make sure I'm ready to take it to any flying field for the full enjoyment of just another flying toy.

Happy and Safe Flying, Regards, Joseph Frost.



CONSTELLATION 'CUB' FUN FLY DAY

Sunday 1st March 2020

Cub fun fly day any power and any size is welcome.

Any model that resembles a Piper Cub, then this is the event for you.

It doesn't have to be scale, Tundras and Timbers are ideal

BBQ lunch, cool drinks, coffee and tea will be available, takeoff 9am.

CMFC field 338 Brooks Road, Waterloo Corner



CONSTELLATION MODEL FLYING CLUB

Bi-Plane Day 26/1/20



By Don Howie

January 2020 had two events at Constellation, this being Electric Day and Bi-Plane Day. The weather was cool and calm in the morning for both events, both being quite well attended. I think the models were more interesting at the Bi-Plane Day as you will see from the pictures.

Ron Ousman had a new ¼ scale Tiger Moth, built from the Japanese Pilot kit plans and finished in wartime Polish Training camouflage. Ron bought the aircraft as an unfinished project and had to do a lot of work to get it up to his standard. The model had a DLE 30cc petrol engine, turning an 18x6 wood prop, the finish being Coverall plus matt water based paint, that seems to be fuel proof to petrol fuels.

Dale Packham is a great display pilot who likes the modern aerobatic Bi-Planes with large twin cylinder petrol engines. His Horizon Hobbies, Scandinavian Airshow “Viking” at 89 inch span, was powered with a 120cc Desert Aircraft engine from the US, turning a 29x9 Falcon prop, was most impressive.

Dale also flew his 94 inch “Ultimate” Bi-Plane, made for Aeroworks in Denver, US. This was powered with a 3W petrol twin of 170cc capacity and Garry Bergen is shown helping Dale with this very aerobatic model.



Ron Ousman “Tiger Moth”



Dale Packham "Viking"



Dale Packham and Garry Bergen "Ultimate"



Garry Bergen "Super Stearman"



Mike Savill "WACO"



Peter Leaney "Camel"

The most impressive model on the day was the 1/3 scale at 116 inch span "Super Stearman", built by Garry Bergen from a Balsa USA kit. The model was finished with Coverall and Acrylic paint finish. The detail was amazing with tapes on the ribs and it was powered with a 215cc Moki 5 cylinder radial 4 stroke. It was flow scale like and the sound of the large radial turning a 32x10 wood prop was fantastic. One can see how large it was from the photo taken with Garry.

The Hobby King kits from China are quite popular and Peter Leaney built the WW1 Sopwith Camel at 60 inch span. Peter made it electric and covered the model with Olive Drab Solartex. It is powered with a 3530 motor and 80 amp speed controller turning a 16x8 prop. It is a bit tricky on takeoff (sensitive rudder), but does fly well once the CG was sorted. I doubt some of their kits are test flown before being produced.

Mike Saville flew the ex Terry Cosh Waco Bi-Plane at 96 inch span and powered by a Zenoah 38cc petrol engine. Mike had to add more right thrust to get it to fly well and is nice to fly, now it is all sorted. The finish is Coverall and enamel.

Another event coming up at Constellation is the Piper Cub and more modern variants Day. A well designed, simple to fly, full sized aircraft, can often result in a great flying model aircraft, at reduced size.



Position of MASA Secretary

At the 2018 AGM the current secretary expressed a desire to stand down from the position of secretary after five years of service to MASA. Unfortunately, no nominations were received and the secretary agreed to caretake the position until a suitable replacement is found. The flexibility for this arrangement has now reached its elastic limit and the current incumbent **will** stand down at the May 2020 Annual General Meeting.

Model Aero Sport SA is seeking to recruit a suitable applicant to fill the position of Secretary and seeks expressions of interest from the committee and members of MASA.

A job description has been prepared and is available on request.

Reality Check

MASA has experienced consistent leadership for a long period of time and members should not become complacent in the fact that any long serving members will continue indefinitely.

At the next AGM, the positions of President and Treasurer will also be up for re-election. If the existing incumbents elect not to re nominate and no nominations are forthcoming, the continuity of the MASA committee could be in a dire state and being unable to function, control of Aeromodelling in SA may well relegate back to the National body. State guidance will not be available, persons making decisions may have no knowledge of the South Australia environment.

Utilisation of our younger membership, encouraging them to step up and transition into the future leadership of MASA, would be a logical and realistic investment in the future survival of Aeromodelling in SA. At present this can be done, and advantage taken of the existing team knowledge base. This may not be available if we wait too long. If you value the future of your organisation, MASA, now is the time to ensure its future.

Expressions of Interest in the position are welcomed

and requests for the Job & Person Description should be forwarded to:

secretary@masa.org.au

MINUTES OF THE MANAGEMENT COMMITTEE OF MASA INC

Held on 5th February 2020 at The Restless Dance Theatre Meeting Room

Meeting opened by the President at 19.30Hrs

PRESENT: President, Vice President, Secretary, Treasurer, Adelaide Aero Modellers [AAC], Adelaide Model Aero Sport [AMA], Adelaide FPV Racing [AFPVR], Barossa [BVMAC], Concorde, Constellation [CMFC], Helicopter [SARCH], Holdfast [HMAC], Goolwa Indoor Model Flyers Club [GIMFC], Indoor Flyers [SAIF], Moonta [MMAC], Noarlunga [NMAS], Northern Soaring League [NSL], Old Timer [OT], Onkaparinga Radio Aero Modellers [ORAM], Newsletter Editor, Pylon [SAMPRO], Scale Society [SASOSA], Skyhawks [SA], South Coast [SCMAS], South Hummocks [SHMAC], Southern Soaring League [SSL], Strathalbyn [SMAC]

VISITORS: Nil. **APOLOGIES:** NL Editor, AAC, Concorde.

Minutes of previous meeting It was moved by the CMFC seconded by SMAC that the minutes of the previous meeting be accepted. Carried.

BUSINESS ARISING FROM PREVIOUS MINUTES

Finniss Property South. SCMAC have completed work on their safety fence and large model area and are currently working towards the shaded areas of the pits. The club now has its area approval from CASA and progress is being made with a water allocation and pumping a supply onto the block.

Instructors course. The SFI confirmed that the next refresher course will be held on April 18th 2020 at the Holdfast Model Aero club venue. Current Instructors are reminded that re certification is required by 31st July 2020 after which the rating will lapse.

Heavy Model Inspectors. The two applications from SA, A. Merryweather and Brett Oakley have been approved at the recent MAAA executive meeting. The meeting was advised endorsement of their membership cards is in progress by the MAAA.

CORRESPONDENCE IN

P Leaney	-- Banner flag quotes
D K Provis	-- Ancillary site permission PLMAC.
CASA	-- SCMAC Area Approval
Treasurer	-- Financials
RD Theatre	-- Room Hire invoice
BLMAC	-- Banner Flags
Anderson Solicitors	-- WWC invoice

CORRESPONDENCE OUT

Skyhawks	-- Presidents response to emails
CASA	-- SCMAC amended AA
Club Secs	-- Members passing

BUSINESS ARISING from Correspondence

Banner Flags. Quotes have been obtained, however an order is unable to be finalised until all clubs respond back with the required information. As this process has been ongoing since last November the meeting agreed to keep the offer open for a further two weeks to give clubs time to respond, where after the offer is closed.

The closing date is February 19th 2020.

MASA Strategic plan, MASA succession plan, MAAA Instructor course changes, South Coast MAC Water licence, BMF Water meter, MASA Promotional plans, MAAA Recruitment Project Concept plan, Club Visitations, MASA Low key competitions, Skyhawks meeting, South Coast MAC Anzac Day event.

Safety Matters. CMFC advised the meeting an incident had taken place at the club. The president advised that irrespective of the outcome an incident report should be completed.

*"Safety is not about big brother or the fun police,
Simply working towards a positive safety culture".*

There being no further business

**Meeting Closed 21.23 Hrs
Next Meeting Wednesday 4th March 2020
at The Restless Dance Theatre 195 Gilles Street Adelaide**

“twins”



OTTER



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BRANDS
IN RC**

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MASA EVENTS CALENDAR 2020

DATE	EVENT	VENUE	HOST
FEBRUARY			
1	Indoor At Cornerstone College	Mt Barker	SMAC
2	HMAC Pylon and Club Competition	Holdfast	HMAC
2	Open Thermal	Milang	SSL
5	Mid-Week Glider and Training	Milang	SSL
9	Pylon Racing	Constellation	SAMPRA
13	Indoor At Paradise Primary School	Paradise	SAIF
15	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
16	Glider Day incl. Radian and F5J-2m	Constellation	CMFC/SSL
16	Precision Aerobatics	AMA Monarto	SAPA
23	F5J Electric Thermal	Milang	SSL
MARCH			
1	HMAC Pylon and Club Competition	Holdfast	HMAC
4	Mid-Week Glider and Training	Milang	SSL
7	Indoor At Cornerstone College	Mt Barker	SMAC
7- 8 - 9	Open F5J International	Milang	SSL
12	Indoor At Paradise Primary School	Paradise	SAIF
15	Radian / F3RES / 2M F5J	Milang	SSL
15	Scale Fun Fly Day	Moonta Club Field	SASOSA
21	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
22	Sidewalk Sale	Constellation	CMFC
22	Scale Glider Aero Tow	Monarto AMA	SSL
27 – 30	Precision Aerobatics MASTERS 2020	Barossa	SAPA
29	Open Thermal	Milang	SSL
APRIL			
1	Mid-Week Glider and Training	Milang	SSL
4	Indoor At Cornerstone College	Mt Barker	SMAC
5	HMAC Pylon and Club Competition	Holdfast	HMAC
5	Radian / F3RES / 2M F5J	Milang	SSL
9	Indoor At Paradise Primary School	Paradise	SAIF
10 – 13	Easter		
11 - 12	Moonta Easter Fun Fly	Moonta	MMAC
18	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
18 - 19	Modelflight Midway Cup F3J Thermal Glider	Horsham	SSL
19	Noel Wenzel Memorial Fun Fly	Strathalbyn	SMAC
19	Precision Aerobatics	Constellation	SAPA
26	F5J Electric Thermal	Milang	SSL
29 Apr – 9 th May	Australian Nationals	West Wyalong	MAAA
MAY			
2	Indoor At Cornerstone College	Mt Barker	SMAC
3	HMAC Pylon and Club Competition	Holdfast	HMAC
3	WW11 Scale Rally	Constellation	CMFC
3	Scale Glider Aero Tow	Milang	SSL
6	Mid-Week Glider and Training	Milang	SSL
10	Mothers Day		
10	State Champs Glider Practice day	Milang	SSL
14	Indoor At Paradise Primary School	Paradise	SAIF
16	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
16 - 17	STATE CHAMPS GLIDER - Open Thermal, F5J	Milang	SSL
17	Pylon Racing	Constellation	SAMPRA
24	Scale Fun Fly Day	Constellation	SASOSA
24	Radian / F3RES / 2M F5J	Milang	SSL
24	Precision Aerobatics	TBA (SkyHawks)	SAPA
JUNE			
3	Mid-Week Glider and Training	Milang	SSL
6	Indoor At Cornerstone College	Mt Barker	SMAC

MASA EVENTS CALENDAR 2020

DATE	EVENT	VENUE	HOST
JUNE			
7	HMAC Pylon and Club Competition	Holdfast	HMAC
5 – 8	LSF Glider Tournament	Jerilderie	LSF
7	Retro, Vintage and C/L Day	Constellation	CMFC
11	Indoor At Paradise Primary School	Paradise	SAIF
14	Pylon Racing	Constellation	SAMPRA
14	Radian / F3RES / 2M F5J	Milang	SSL
20	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
21	Scale Glider Aero Tow	Milang	SSL
21	Scale Fun Fly Day	Barossa MAC	SASOSA
27	Precision Aerobatics - Saturday	TBA (Noarlunga)	SAPA
28	F5J Electric Thermal	Milang	SSL
JULY			
1	Mid-Week Glider and Training	Milang	SSL
4	Indoor At Cornerstone College	Mt Barker	SMAC
5	HMAC Pylon and Club Competition	Holdfast	HMAC
9	Indoor At Paradise Primary School	Paradise	SAIF
12	Pylon Racing	Constellation	SAMPRA
12	Open Thermal	Milang	SSL
18	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
19	Scale Fun Fly Day	Noarlunga MAC TBC	SASOSA
19	Precision Aerobatics	Constellation	SAPA
19	Radian / F3RES / 2M F5J	Milang	SSL
26	F5J Electric Thermal	Milang	SSL
AUGUST			
1	Indoor At Cornerstone College	Mt Barker	SMAC
2	HMAC Pylon and Club Competition	Holdfast	HMAC
5	Mid-Week Glider and Training	Milang	SSL
9	Pylon Racing	Constellation	SAMPRA
9	Scale Glider Aero Tow	Milang	SSL
13	Indoor At Paradise Primary School	Paradise	SAIF
15	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
15	Precision Aerobatics – Saturday	Barossa Valley MAC	SAPA
16	Open Thermal	Milang	SSL
16	Scale Fun Fly Day	Constellation	CMFC
23	F5J Electric Thermal	Milang	SSL
SEPTEMBER			
2	Mid-Week Glider and Training	Milang	SSL
5	Indoor At Cornerstone College	Mt Barker	SMAC
6	Radian / F3RES / 2M F5J	Milang	SSL
6	HMAC Pylon and Club Competition	Holdfast	HMAC
6	Fathers Day		
10	Indoor At Paradise Primary School	Paradise	SAIF
13	Pylon / 100 Lap	Constellation	SAMPRA
13	Precision Aerobatics	TBA SkyHawks	SAPA
19	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
20	Scale Fun Fly Day	South Coast-Clayton Bay Field	SASOSA
27	F5J Electric Thermal	Milang	SSL
OCTOBER			
3 - 4	Ringmaster Fly-a-Thon	Laundy Field Kangaroo Island	SHMAC
3	Indoor At Cornerstone College	Mt Barker	SMAC
3 – 4	Precision Aerobatics APA Nationals	Albury	APA
4	Open Thermal Practice for Mildura	Milang	SSL
4	Colin Reedman DeHavilland Scale Day	Constellation	SASOSA
4	HMAC Pylon and Club Competition	Holdfast	HMAC
7	Mid-Week Glider and Training	Milang	SSL

MASA EVENTS CALENDAR 2020

DATE	EVENT	VENUE	HOST
OCTOBER			
8	Indoor At Paradise Primary School	Paradise	SAIF
10 - 11	Mildura Open Thermal	Wentworth	SSL
11	Pylon Racing	Constellation	SAMPRA
17	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
17 - 18	Precision Aerobatics SA State Champs	Monarto AMA	SAPA
18	Scale Glider Aero Tow	Milang	SSL
25	John Watters Memorial Scale Day	Strathalbyn	SMAC
25	F5J Electric Thermal	Milang	SSL
NOVEMBER			
1	HMAC Pylon and Club Competition	Holdfast	HMAC
1	Radian / F3RES / 2M F5J	Milang	SSL
4	Mid-Week Glider and Training	Milang	SSL
7	Holdfast Buy Sell Swap Meet 1000hrs to 1400hrs	Holdfast	HMAC
7	Indoor At Cornerstone College	Mt Barker	SMAC
8	Open Thermal	Milang	SSL
8	Dawn Patrol - Scale Fun Fly Day	South Hummocks	SHMAC/SASOSA
8	Pylon Racing	Constellation	SAMPRA
8	Precision Aerobatics	Clayton Bay SCMAC	SAPA
12	Indoor At Paradise Primary School	Paradise	SAIF
15	Ugly Stick Fun Fly Day	Constellation	CMFC
21	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
22	F5J Electric Thermal	Milang	SSL
29	Military & Civil Scale Day	Noarlunga	NMAS
DECEMBER			
2	Mid-Week Glider and Training	Milang	SSL
5	Christmas Dinner at SSL Park	Milang	SSL
10	Indoor At Paradise Primary School	Paradise	SAIF
13	Radian / F3RES / 2M F5J	Milang	SSL
13	CMFC Christmas Party	Constellation	CMFC

The views expressed in this Newsletter are those of the writer of the article and not those of the Newsletter or MASA Inc.
Closing date for each Newsletter is the **Monday** prior to the MASA meeting. (First Wednesday each month)

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ANNUAL FEES: 2019 - 2020

Senior \$118.00 Pensioner \$118.00 Junior \$59.00
Reductions apply after 1st Jan. **FOR NEW MEMBERS ONLY**

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Club Affiliation Fee \$10.00 for all Clubs
Please note:- **Member clubs of MASA must affiliate through the MAAA**

CATEGORY MEETINGS

Control Line Second Tuesday monthly at 8.00pm
Seven Stars Saloon, Angas St, ADELAIDE

Radio Control Nil

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