

OCTOBER 2019

NEWSLETTER



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Bob Fisher with his electric powered “Bird of Time”



full story page 8

Classifieds

FOR SALE

Cessna 401 to 410 twin – older model, 1750 mm span, 1500 mm long, had some work as I.C. Converted to 2 Turnigy 4250 580KV motors and Red Brick 60a controllers.

Needs 4 to 5 cell batteries – has not flown as electric – mechanical retracts.

Motors and controllers never used and cost approx \$170.

Needs some TLC around cowlings and a general clean up and check of all controls, connections etc.

Selling for a friend – need to get it out of my shed – asking around \$125/130.

Various older winch line consisting from left, of a roll of Japanese 1.15 mm used maybe once or twice, two rolls of 1.4 mm, top one unused and bottom used but maybe OK, and other various used bits which could be good for snapper line. A good soak in water should rejuvenate the better ones a bit.

Make an offer on what you might want.

WANTED – older first black plastic flexible propeller blades for original Radian – broke one and need another to match.

Thanks for looking and please contact Max Newcombe at mnewc@bigpond or 85621471 anytime.





Campbelltown High School

Control Line Model Flyers Reunion

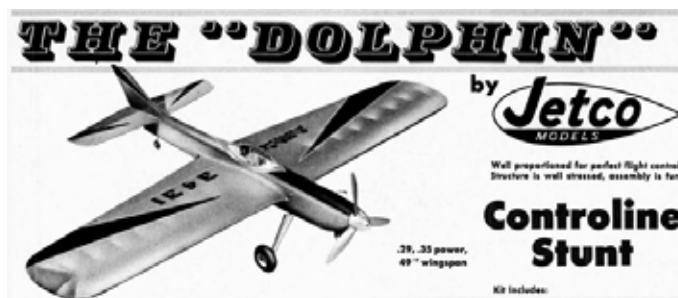
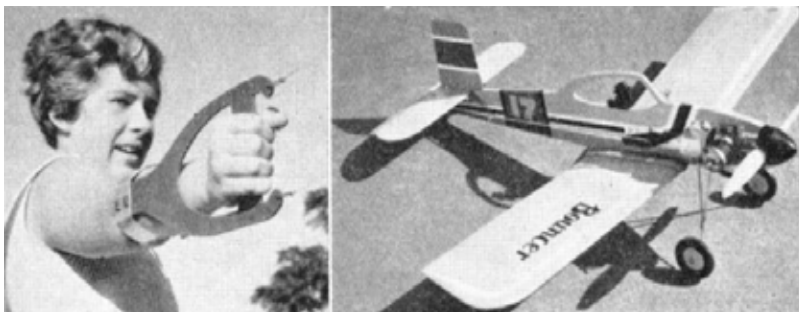
Did you take part in Control Line Model flying organised by Deputy Headmaster Lew “Mr Mac” McCarter at Campbelltown High School in the 1960s and 1970s? Did you learn to fly the “Bouncer” with the “RIGIDRIST” handle? Adelaide Aeromodellers Club invite you to reminisce those halcyon days where Mr Mac sold diesel and glow fuel stored in beer bottles out of the boot of his car along with control system parts, fuel tanks and other items.

Please bring CL models to display and fly if you still have them. Have a go on the club trainer, but unfortunately without the RIGIDRIST handle ☺

Date: **Saturday October 12th 2019**

Venue: **Park 19, Unley Road City (opposite the BMX Park)**

Time: **11.00 AM to 4.00 PM**



For more Info contact: Peter Anglberger 0448 433 282

Bordertown Aerotow 2019

When: Friday November 8th - Monday November 11th
Where: Bordertown Aerodrome (YBOR) South Australia



- Onsite camping and shower/toilet facilities
- Overnight hangar storage facilities so models can stay assembled for the whole period
- Event Director/Safety Officer Mike O'Reilly from Southern Soaring League
- One sealed strip and a large grass strip and flying area
- Saturday Night BYO BBQ on the field
- A minimum of 3 Towplanes will be there. Garry Whitfield's DLE112 tug and the Model Flight Pawnee/DA120 and CARF Extra 330/DA150 with chief tow pilot Greg Leigh
- CASA Height Clearance to 2,000 ft
- MAA Sanctioned event. All flyers must be an MAAA member and heavy model certificates must be produced. Organised and run by Southern Soaring League Inc.

The first Bordertown event was held in November 2000 and was a huge success. Come along and help make 2019 a big year in the lead up to the 20th Anniversary event next year. You can see some great video footage from 2000 taken by John Gottschalk at this link:

www.youtube.com/watch?v=BM2mJHUBiPE



For more information contact:

Mike O'Reilly | mike@modelflight.com.au or
Garry Whitfield | thermal9@bigpond.net.au



SAMPRA

So here we are in September and as we have only flown one full competition in the past five months, competitors voted to replace the annual September fun day 100 lap event with a regular race meeting. The weather again was not the best with a cold 20 km/h wind gusting to around 30 km/h. One of those days where you are looking at the horizon and wondering if that shower is going to hit. Luckily there was only one major shower for the day which resulted in an early lunch. Numbers again were down on normal. The average age of competitors is slowly getting older so marginal days like Sunday tends to keep competitors away, "there is always tomorrow". There was one new face Mike Neroni who braved the conditions to give his electric Hobby King EFXtra a go. As pylon racing is flown fly from the centre of the course it was a challenge for his mate Stuart to keep up spinning his wheel chair around as the plane whip around



pylons 2 and 3. Apparently he had a ball and is looking forward to having another go. As usual Tom Jacobsen and family were there, now with a new addition to the clan. May be there is still some hope for the hobby as the baby is going to be bought up in an model aeroplane environment if she likes it or not. The time when the hobby was a family bonding experience with top competitors being father and son teams seem to be slowly fading. It's a pity as father and son teams always seem to do well. At the recent pylon world championships the top guys still having their fathers doing all the pit work and the younger guys with the quicker reactions doing the flying. One of the reasons



behind the awesome success of 6 times world champion Chris Callow is his dad. It's a similar case with Tyler Mees, ex-world junior champ and at the recent world champs achieving a third in the electric class, again Tyler doing the flying and his dad sorting out all the pit stuff. Of course we can't leave out the local family the Jacobsen's, where two years ago they represented Australia in Sweden at the F3d world champs. Recently there has been a lot of discussion on the future of the hobby with quite a few people actively trying to promote flying and building models. From a personal point of view I tried to get my grandsons interested in the hobby but it seems as though it worked out just the opposite. I eventually got persuaded to buy a Play Station 4 pro and Virtual Reality helmet, of course they had to force me. The experience was most impressive, you really feel as though you are a part of the world the game betrays. It made me realize just how hard it is going to be to get today's generation away from this new world where you feel as though you are flying a proper plane and not fly a meagre model while standing on the ground. I now ask myself why fly models when I can shoot up Darth Vader in my X wing fighter out in space, and if I crash I don't have to spend six months and all my spare money get back in the air. These days you just push the red button and your instantly back blasting away again, it seems a no brainer. I am afraid we are going the way of the stamp collection where once everybody had one. I don't know what the solution is but all I can say is go out and enjoy your flying as much as you can, the warmer weather is finally starting so happy flying.





John Yianni and his F400

WILLUNGA VINTAGE MODEL AIRCRAFT CLUB

By Don Howie

On Sunday 29th of September we flew gliders at the flying field with Bob Fisher, our secretary, flying his electric “Bird ofTime” model. The design by Dave Thornberg was kitted from the 1980’s by Mark’s Models in the US as a glider.

The wing design came from full size German gliders in the 1930’s and Frank Zaic used this on his F/F glider designs in the early 1940’s, kitted by JASCO in New York. The model has Hobby King iron-on covering on the top and laminating on the bottom surfaces. Adding electric power gives great performance to this very nice flying aircraft.

The Goldberg Models “Gentle Lady” is a great beginners glider introduced in the 1980’s, this flown by Chris Britcher on the Sunday. It is expected it will be converted to electric power, but he was getting some great flight times off winch launches.

I bought out my “Alpha H ” glider from about 1978, kitted by Multiplex in Germany. I built it at this time and was the all balsa version of the “Alpha” glider, that had a moulded (glass) fuselage. The wing joiners are too small and the wing flexes on the launch, giving much more dihedral. Polyhedral and stronger wing joiners would have made this a better



Bob Fisher "Bird of Time"

flying model. However, it is still in good condition after 40 years of flying.

Dave Markwell had a small "Playboy Cabin" converted to 2cc flying, now fitted with a P.A.W. 1.49 diesel. The model has Litespan covering on the wings and tail, with orange silk on the fuselage. The two Britchers had "Stardust Specials", the popular 1½ A model designed by Don Brogini about 1942. These use the COX .049 reed valve engines with the small fuel tank.

Peter Leaney has recently finished his "RF4 Fournier" built from the Mick Reeves kit. This 110 inch span model won the World Scale R/C Championship in 1978. The model is an exact scale and Peter has fitted electric power, Tomcat G46 motor, 80 amp speed controller, using a 4 cell, 4000 Mah LiPo battery pack. The model is quite slow flying and needed differential on the ailerons, now it is all adjusted, it is a great flying scale model.

Ray Bobrige was recently flying his "Crescendo" model, now fitted with a Fox 15 glo running on pressure. The model had Hobby King iron-on covering and he has recently been sorting out the engine with Bill Britcher.

The "Crescendo" designed by Ron Draper, won the FAI free flight power Championship in 1956 for the UK. The model used the first OS MAX 15 (2.5cc) glo engine and this was the start of sales of OS engines from Japan, that were to become the best known model engine world wide for high quality.



Don Howie "Alpha H"



Chris and Bill Britcher "Stardust Specials"



Dave Markwell "Playboy Cabin"



Peter Leaney "Fournier RF4"



Ray Bobrige "Crescendo"



Chris Britcher "Gentle Lady"



JOHN WATTERS MEMORIAL SCALE FUN FLY

Another year has flown by and it's time to dust off those scale models and get them ready for this year's John Watters Memorial Scale Fun Fly Day at the SMAC field on Sunday 20th October.

The Gates open at 9.00 and flying starts at 10.00 with continuous flying all day, interrupted only by another of our catering team's legendary lunches which is included in the modest entry fee. A raffle with great prizes will be drawn at the end of the day....so bring some small change!

There will be trophies for the first three places as well as 'pilot's choice', and as usual the judges will be looking for the Best Take-Off and Best Landing. You can have as many flights as you like, so bring as many scale models as you can fit in the car and have a go. There are no contest 'rules'... just fly safe and fly scale....it's a fun fly.

The recent working bees to fit the shade-cloth over the new assembly bench roofs was well attended and showed a high degree of club spirit and commitment ... even with the weather delaying things for several weeks!! The assembly area is now fully covered and proving to be well worth the effort – a fitting addition to the covered club-house BBQ area.

Bob has been doing a great job on the field, with assistance from Allan, John, Brian and others on the gang mower, so the field is looking terrific after the rains and warmer weather. . . well done guys.

This year's event is again generously sponsored by ModelFlight and Supercheap Hobbies - we thank Brad and Troy (you know which is which) for their generous contribution, and urge all modelers to support these excellent businesses . . . a phone call and a short drive and you've got what you needed.

Our field is well suited to scale flying, with plenty of room for wide circuits and . . . no trees! – just right for those long and low scale approaches, so why not take the pleasant trip out to Strathalbyn and join us for a great day's flying.

We don't care what type of scale model it is....as long it has a full size counterpart. See you there.

Paul Mitchell



SMAC assembly benches have been re-roofed



SMAC working bee - club commitment at work



SMAC working bee - shade cloth to new assemble bench roof structure



In association with
The Scale Aircraft Society of South Australia

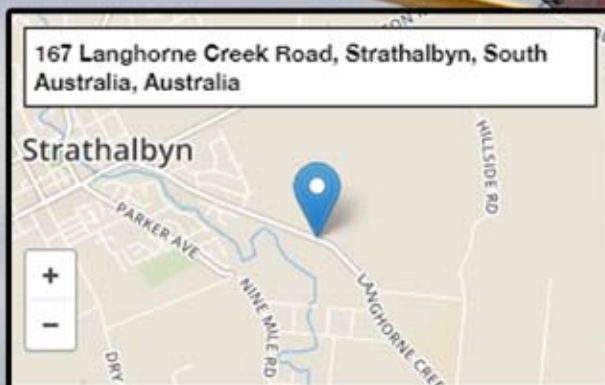
JOHN WATTERS Memorial Scale Fun Fly Day

OPEN TO ANY MODEL THAT HAS A FULL SIZE COUNTERPART



**\$20 ENTRY, MEAL INCLUDED
GATES OPEN FROM 9AM
FLYING FROM 10AM
97db NOISE LIMIT
FLYING ALL DAY
RAFFLES**

167 Langhorne Creek Road, Strathalbyn, South
Australia, Australia



**CONTACT
0401 828 026
PAUL MITCHELL**

SUNDAY 20TH OCTOBER 2019

PROUDLY SUPPORTED BY

modelflight RC

130 Goodwood Rd, Goodwood
08 8186 4250

SUPERCHEAP HOBBIES

SHOP 3 / 2 Old Coach Rd
Aldinga Beach

Ph: 08 8311 1151

www.supercheaphobbies.com.au

Noarlunga Model Aero Sports

Civil & Military

Scale Flying Day



- **Free entry for all Pilots**
- **Awards for Military Masters, Pilots Choice, Civil Scale, Junior & MASA Encouragement Awards**
- **Open to all flyers with current MAAA membership**
- **Turbines welcome with current permit**
- **Further info email - secretary@nmas.info**

Sunday 24th November

Clisby Lane, Seaford Meadows

10am till 3pm, Drinks & BBQ



www.nmas.info

BLUE LAKE AERO MODELLERS INC.



P.O. Box 1867, MT GAMBIER, SA, 5290

Mt Gambier Float Fly Weekend

**Held at Lake Leake on Saturday
& Sunday, 12th & 13th October, 2019.**

- Camping available at Lake Leake along with comfortable catering facilities. (\$10.00 camping fee for the weekend)
- Flying commences at sunrise and finishes at sunset (unless you have lighting fitted.....)
- BBQ Lunch and Drinks available all weekend.
- Registration Fee of \$10.00 for the weekend.

• For more information contact:

Brian Fraser: 0488987218 or Mac MacDonald: 0417056471.



***See you
with
your
floats
on!!***

MINUTES OF THE MANAGEMENT COMMITTEE OF MASA INC

Held on 2nd October 2019 at The Restless Dance Theatre Meeting Room

Meeting opened by the President at 19.33Hrs

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], Nearlunga [NMAS], ~~Northern Soaring League [NSL]~~, Old Timer [OT], Onkaparinga Radio Aero Modellers [ORAM, Newsletter Editor, Pylon [SAMPRA], Scale Society [SASOSA], Skyhawks [SA], South Coast [SCMAS], South Hummocks [SHMAC], Southern Soaring League [SSL], Strathalbyn [SMAC]

VISITORS: Nil.

APOLOGIES: Nil

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

BUSINESS ARISING FROM PREVIOUS MINUTES

Finniss Property South. MASA have signed up with MAAA to lease all 100 acres at the Finniss site. Currently the lease between MASA and SCMAC is being finalised and it is envisaged the club will lease 20 acres and the rest of the property will be share farmed for cropping. A local farmer has already approached MASA with a view to share farming.

SCMAC with some 20 members in attendance held a working bee at the field on the 2nd October to prepare the site for flying operations and other essential tasks.

Presidents Conference. The meeting was again reminded to advise the secretary of attendance at the conference which will be held at the Restless Dance Theatre 195 Gilles St Adelaide, on Saturday November 16th commencing at 9.00am.

Instructors course. The latest course has been run at the Barossa Valley MAC where four renewal and two new instructors were successful in qualification.

The SFI advises that the next course be at Naracoorte and the date is to be advised. Current Instructors are reminded that re certification is required 31st July 2020 after which the rating will lapse.

MASA Working party. The MASA promotional working group has been busy organising for the RAAF Flying display. Signs have been organised and a deposit paid on the hire of a marquee. Joint sponsorship for the event has been secured with MAAA contributing \$1500 and MASA \$1500. A call has gone out for club flags to be displayed at the event, so if your club wishes to participate please contact the Vice president David Mifsud asap.

CORRESPONDENCE IN

Andersons Solicitors	-- Clarification of WWC
MAAA	-- Safety Team TOR
BLAM	-- Land Purchase business case
SSL	-- Application for Height Ext & AA Bordertown
A. Merryweather	-- Application for HM Inspector
CASA	-- Bordertown AA

CORRESPONDENCE OUT

CASA	-- Bordertown Area Approval
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BUSINESS ARISING from Correspondence

Clarification of WWC.

The president presented a new MOP which contained the principal points of clarification acquired from the legal opinion on Working with Children legislation. AMA and HMA expressed concern on one item requiring all committee members to acquire a clearance. The president agreed to research the requirement and present the findings in a revised MOP. Information will be circulated out to all clubs on completion of the MOP.

BLMAC Field Purchase Business case. The Vice President briefed the committee on the application along with a viewing of footage of the property.

The application was agreed to in principle however supplementary information is required from the club in support of the business case in the form of Financial Statements and a Development Plan of the property and a Development Plan for the club etc is required for the MAAA lands committee to evaluate the application.

Heavy Model Inspector. The application from A. Merryweather has been passed on to John Modistach who will be in contact with the applicant to commence the process of qualification.

Area Approval. The Scale Glider event which is run annually at the Bordertown Airfield has applied for and obtained an Area Approval with CASA paving the way for the event to be run over the next five years.

MEMBERSHIP

Clubs Affiliated with MASA (29)

Senior	766	Junior	20	Life	6
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CATEGORY REPORTS

AAC held the Delta Dart Indoor competition at Ingle Farm Recreation Centre on September 12th. It was great to have 3 juniors participate plus around half a dozen other entries enjoyed light hearted competition.

There were 3 events run; spot landing after 15 seconds minimum flight; pylon race around a streamer supported by a helium balloon and mass launch with last model down being the winner.

Coming up SHMAC will host the World-Wide Ringmaster Flyathon on October 5th and 6th and AAC will host a Campbelltown High School Control Line Flying Group reunion at the AAC field on October 12th, see the flyer in this month's MASA Newsletter. AAC will also be conducting Control Line flying displays at the RAAF Edinburgh Air Show on November 9th and 10th. Peter Anglberger.

GENERAL BUSINESS

- **MASA/ Club Promotional Flags.**

Skyhawks reported the loss of the clubs two flags during a recent break and would like to replace the lost items. SCMAC also expressed an interest in acquiring flags for the new club site. Peter Leaney will obtain a quote for more flags and clubs interested in participating on this 50/50 cost share option should contact the secretary.

- **MASA Calendar.** Once again it is time to supply event dates for the 2020 MASA Calendar. Clubs wishing to secure dates are requested to contact Bill Kent wmkent48@gmail.com

- **HMAC.** Several members of the club recently took their turn in running the sausage sizzle at the Marion Bunnings store. For their efforts and one day participation, the club was able to secure a clear profit of around \$1500.

- **Safety Matters.**

No safety incidents or accidents to report for this month.

"Safety is not about big brother or the fun police, simply minimising risk to keep yourself and others free from harm or danger".

There being no further business

Meeting Closed 21.20 Hrs

**Next Meeting Wednesday 6th November 2019
at The Restless Dance Theatre 195 Gilles Street Adelaide**



BUY & SELL DAY

Sat Nov 2nd 2019, 10:00am – 2:00pm

Something Different from HMAAC

In place of our traditional Annual Auction, we have decided to hold a Buy & Sell Day at our Club field this year. Admission is free but you must provide your own setup (e.g. table, chairs, shade etc.) if you bring items for sale. No commission taken. Sell direct.

The field will be open from 9:30 am to set up. There will be no Auction. MAAA members with Bronze Wings or higher are welcome to fly at the field. A sausage sizzle will commence at 11:30 am.



Free Admission

**Sausage Sizzle &
Refreshments
available**

Come & Fly Too

**Must be MAAA member with
at least Bronze Wings**



HOLDFAST MODEL AERO CLUB

Cnr Lonsdale Rd & Majors Rd
O'Halloran Hill SA 5158
08 8377 2708

www.holdfastmac.asn.au



UGLY STICK Fun Fly day

17th November 2019

This is a relaxed flying day for any variant the famous **Ugly Stick** of any size and power type, scratch or ARF. All MASA members are welcome and a BBQ lunch will be available. Flying to commence at 9am

Big Stick, Liddle Stick, Ugly Stick, Mini Stick, Super Stick, Ultra Stick, Giant Stick, Electric Stick.

How about a Biplane Stick?



4th Annual Australian F5J Trophy



The 4th Annual Australian Perpetual F5J Trophy event, presented by the Australian Electric Flight Association, is to be held at the Aeromodellers NSW state field at Cootamundra NSW.

Location: 34°43'16.4"S, 148°02'34.2"E.

Two days of flying 2nd -3rd November 2019

The field is available on Friday 1st November for practice and camp setup

Two classes - Open F5J and Limited F5J



**Electric Flight
in Australia &
AEFA
Open F5J
Trophy
up to 4.0m class**

First prize:

Mega 6/10/3E motor with
Reisenauer 5:1 gearbox
Value \$375
www.flyelectric.com



**Modelflight
Limited F5J
Trophy
up to 2.6m class**

First prize:

Spektrum DX8e Transmitter
Value \$370
www.modelflight.com.au



Pre-registration required - Entries close 25th October 2019 - see the AEFA web site for a registration form.
MAAA membership required. Augmented Stability Systems not allowed.

www.aefanet.com

\$50 entry fee. Data loggers available for loan - just bring your electric glider. Food available on the field.
Enjoy the great Cootamundra site – free camping (no powered sites) toilets and shower provided.



Dawn Patrol

The South Hummocks Model Aero Club will be holding it's Dawn Patrol event on the 3rd November 2019

This years event will be a Funfly with a WW1 theme but open to any Military aircraft.

It is a one day event but camping is available if you want to come for the weekend.

A \$5.00 Camping fee will apply. Let us know if you intend to camp.

Toilets and Hot shower available.

We have a ceiling of 2000', not that you will need it.

All pilots must be MAAA affiliated and Heavy Model permits are required where necessary.

There is no entry fee. Lunch and cold drinks will be availabe at a small cost.

Tea and Coffee are free.

So get your WW1 or other Military aircraft ready and come along for a relaxed day of flying.

This year is a low key event but those of you who attended last years event will remember the great time had by all.

South Hummocks field is located at the Cnr. Gulfview and Almond Tree Rds, South Hummocks.

Contact: Ned Kelly Email: southhummocks@bigpond.com



A JET FOR JUST ABOUT EVERYONE



F-4 Phantom II 80mm EDF



F-16 Thunderbirds 70mm EDF



Viper 70mm EDF



F-15 Eagle 64mm EDF



UMX® A-10 Twin 28mm EDF



UMX MiG-15 28mm EDF

Whether you want a fast, agile park flyer jet or one to scorch the sky at your local airfield, look no further than the E-flite® EDF fleet. These factory-built planes all feature brushless ducted fan units that deliver enormous thrust for effortless climbs and exhilarating speeds. Their scale looks and turbine sound complete the jet experience. Bind-N-Fly® versions add the advantages of Spektrum™ AS3X® and SAFE® Select technologies, so they fly like they're on rails—making it easy for any intermediate pilot to enjoy EDF jet flight.

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BRANDS
IN RC**

modelflight **RC**

MASA EVENTS CALENDAR 2019

DATE	EVENT	VENUE	HOST
OCTOBER			
12 - 13	Mildura Open Thermal	Wentworth	SSL
12 - 13	Float Fly Weekend at Lake Leak	Lake Leak – Mt Gambier	BLAM
13	Pylon Racing	Constellation	SAMPRA
10	Indoor At Paradise Primary School	Paradise	SAIF
19	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
19 - 20	Precision Aerobatics SA State Champs	Monarto AMA	SAPA
20	John Watters Memorial Scale Day	Strathalbyn	SMAC
20	Radian / F3RES	Milang	SSL
27	F5J Electric Thermal	Milang	SSL
NOVEMBER			
2	Holdfast Buy Sell Swap Meet 1000hrs to 1400hrs	Holdfast	HMAC
2	Indoor At Cornerstone College	Mt Barker	SMAC
3	HMAC Pylon and Club Competition	Holdfast	HMAC
3	Open Thermal	Milang	SSL
3	Dawn Patrol	South Hummocks	SHMAC
6	Mid-Week 2M Glider	Milang	SSL
8 - 11	Bordertown Scale Glider Aero Tow	Bordertown	SSL
9 - 10	Naracoorte Annual Fun Fly	Naracoorte	NMAC
10	Pylon Racing	Constellation	SAMPRA
10	Precision Aerobatics	TBA	SAPA
14	Indoor At Paradise Primary School	Paradise	SAIF
16	Indoor at Goolwa	Goolwa Community Stadium	GIMFC
17	Ugly Stick Fun Fly Day	Constellation	CMFC
17	Scale Fun Fly Day	AMA Field	SASOSA
17	Glider State Champs Tasmania	Tasmania	
20	Mid-Week 2M Glider	Milang	SSL
24	Military & Civil Scale Day	Noarlunga	NMAS
DECEMBER			
1	Vintage Fun Fly Day	Constellation	CMFC
1	Radian / F3RES	Milang	SSL
4	Mid-Week 2M Glider	Milang	SSL
7	Christmas Dinner and Fun Fly at SSL Park	Milang	SSL
12	Indoor At Paradise Primary School	Paradise	SAIF
21	Indoor at Goolwa	Goolwa Community Stadium	GIMFC

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)

Executive and Office Bearers

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Garry Oakley Ph. 0417 814 373
email: sfi@masa.org.au

ANNUAL FEES: 2019 - 2020

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

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

Category Chairpersons

Control Line	Peter Anglberger Ph. 0448 433 282 email: peteranglberger@hotmail.com
Radio Control	Bill Kent Ph. 0414 883 429 email: wmkent48@gmail.com

Website

www.masa.org.au
web master: webadmin@masa.org.au