

# VICSCALE



**The Bi-Monthly Newsletter of the Victorian Flying Scale Aircraft Association.**

Visit our website at <http://www.users.bigpond.net.au/vfsaa>

## SCALE RALLY at WERRIBEE.

Inside this issue:

We have opened our flying year with a visit to the Werribee club for the last eight years and although last year's event was blown away we have seldom been disappointed and are always welcomed enthusiastically by the Werribee members.

the guidance of Mario Parcepe, and the Neptune and Black Widow of Rod Mitchell.

A good number of Vicscale members attended, Wal and Pearl Schubach with a Cub, Gary Sunderland with his Bristol Scout, Jon

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This year was once again a very well attended meeting with twenty-one modellers presenting thirty-one scale models for display. The weather was fine, the breeze tolerable and the canteen service excellent.

As is now usual we had a good number of ARF scale models on show and these were balanced by an equal number of scratch built aircraft. Outstanding among the scratch built models were the Miles Messenger of Jim Stafford, which made its maiden flight under

Bellamy with a new Bristol M1 and I dug out my Spacewalker which had not flown since the State Champs. The Ballarat crew brought a selection of ARF's to accompany Glenn White's home built Me163, Ian and I flew our ARF Waco, Marathon and Yak and Noel Whitehead had a quick flight with his RV4. Andrew Smallridge brought a Sukhoi and David Walsh came along to have a look at proceedings.

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### Special Dates and Points of Interest.

Vicscale General Meeting  
Thursday Feb 5th.

Scale Rally at Nepean  
Sunday Feb 1st.

State Champs at P&DARCS  
Sunday Feb 22nd.

Monty Tyrrell Memorial  
at P&DARCS  
Sunday March 22nd.

# Minutes of December General Meeting.

Date: 5-12-08

Start: 7.40pm

Location: FNCV

Attendance: 34

Apologies: David Law, Frank Curzon, Haydn Hampson, Steve Malcman

Previous minutes: read.

Correspondence in:

- Approval for Scale Rally from Keilor.
- VMAA minutes.
- Letter from VMAA re new handbook entry.
- Approval for Scale Rally from SEMAC.

Correspondence out:

- Application for Scale Rally to Keilor.

Treasurers report:

- 57 financial members
- \$150 spent on Xmas Gift Vouchers for the December meeting.
- \$300 paid to Greg Tracy for VFSAA sponsorship of the Temora scale event.
- Balance \$3416 cr.

General business:

- Noel reported an e-mail from John Considine of the NSW SAS re the NSW members not helping at the NSW Nats. Our offer to assist has been accepted by the MAS of NSW and the VFSAA will run the event.
- We should go ahead and form the Australian Scale Association.
- Lew Rodman reported on the Cobram club, perhaps we should look at going there.
- Ken Thomas was at the Launceston event, they asked to be remembered to us.
- John Lamont spoke about re-naming the Temple Trophy.
- Trevor Pugh reported the Website being updated.
- John Lamont reported on the MARCS 50<sup>th</sup> anniversary, a good day with a sit down spit roast.
- Many thanks to Frank Singh for the supper.

Show and tell.

- Gary Sunderland showed his 1910 Voisin as flown by Harry Houdini.
- Barry Reaby showed items for his Fairchild Ranger.
- David Anderson showed his Mills .75 replica, and his Laser 300 twin to be fitted to his new 1/3 scale Mew Gull.
- John Lamont showed progress on his 2 Piper Cubs.
- Mark Collins showed progress on his 26% Beech Staggerwing from Ziroli plans.
- Giorgio Valcastelli showed his 1/6 scale scratch built Macchi.

Meeting closed 9.30pm

## VICTORIAN SCALE CHAMPIONSHIPS.



The F4C and ARF State Scale Championships for 2009 will be held at the P&DARCS field on Sunday 22nd February. F4C will include static judging and the ARF event will be flying only. The only requirement for documentation in ARF will be a picture of a similar full size aircraft to verify the prototype.

The Contest Director will have the final decision on acceptance of aircraft for each event. All aircraft exceeding 7kg must have a current MAAA Permit To Fly.

The flying schedule for both events will be in accordance with the F4C rules and the two events will be run concurrently with alternating rounds of ARF and F4C. Flying will commence at 9:00 am.

Note that the State Championships are open to all MAAA members and every one is welcome. Those entering for the first time will be given every assistance in understanding the rules and preparing flight schedules.

# President's Report

Hi all,

Other than the usual lame comments about model aircraft for Christmas presents, and Happy Christmas/ New year remarks I really don't have a lot to say for once. My holiday was good but short and other than spending time at the beach there has been nothing of aeromodelling interest happen.

I hope you all had a good festive season or should I say two – three weeks, and look forward to seeing you at some upcoming meetings and events soon.

David.

## From the Editors.

For about ten years Anthony Mott has been giving thought and making preparations for an assault on the Australian Duration Record of 11hrs 47min set by John McGrane in 1993.

Over this time Anthony prepared several British PAW 8cc diesel engines with modified OS 10 carburettors and managed to get them to run on the test bench, at low revolutions and with a large

The model was fitted with a drop off undercarriage and a record attempt was made in December 2008. This first attempt fell short at 11hrs 5min when the battery pack failed due to two faulty cells. Close but no cigar!

After increasing the battery capacity a second attempt in early January at the GMAC field was successful in setting a new mark



propeller, at the measly fuel rate of 1cc / min. After making a series of trial flights with an old trainer model to flight test the motors and determine battery power requirements he commenced construction of a new model of 105" span.

Designed to the 5kg max. weight allowed by the rules the model was fitted with one of his modified diesels which was further modified to allow in-flight adjustment of the needle valve and compression screw. Fuel was carried in a modified wine cask bladder with a capacity of around 2 lt.

of 12hrs 5 min, the flight being terminated while a lot of fuel and electric power was still available.

With Anthony flying, myself as back up pilot, David Anderson, Noel Whitehead and Keith Schneider as timekeepers and Graham Anderson and Paul McNicholl of GMAC assisting it was a long, very tiring day but an outstanding success at the conclusion.

Not scale but a well planned achievement by one of our members.

|             |                           |  |
|-------------|---------------------------|--|
| President:  | David Law                 | Tel: 9844-4424, e-mail: david.law@summitbuilders.com.au  |
| Secretary:  | Keith Schneider           | Tel: 9842-5381, e-mail: kjschneider@rabbit.com.au  |
| Treasurer:  | Tony Grieger              | Tel: 9720-9126, e-mail: tonyg@rabbit.com.au  |
| Newsletter: | Ian Lamont<br>John Lamont | Tel: 9439-4469, e-mail: ilamont@rabbit.com.au<br>Tel: 9848-2339, e-mail: jlamont@rabbit.com.au |

# SCALE RALLY at WERRIBEE.

(continued from page 1)

Mark Radburn had a big day flying his Kittyhawk, a new Spitfire and his very reliable-Flybaby , the latter rarely being out of the sky.

We had a couple of unfortunate accidents when Rod Mitchell's Neptune crashed and was followed almost immediately by a Pitts ARF. First concerns were for possible radio interference but it appeared after some investigation that both models probably suffered internal radio problems and after Mark Radburn gamely flew his Flybaby without difficulty general flying was resumed without further incident.

Paul Robilliard had the clipped Cub that he purchased from the Ian Watts estate and it was nice to see Ian's old Cub in the air and flying well again. Frank Laguda of the NFG brought a large model F-15C which held the attention of both modellers and spectators as he demonstrated its vast potential. The model is fitted with a turbine of 30+ lbs thrust which is turned down to 26 lbs, still providing a power/ weight ratio of 1:1 and a staggering performance. Even the people attending an adjacent car rally were intrigued by its speed and agility!

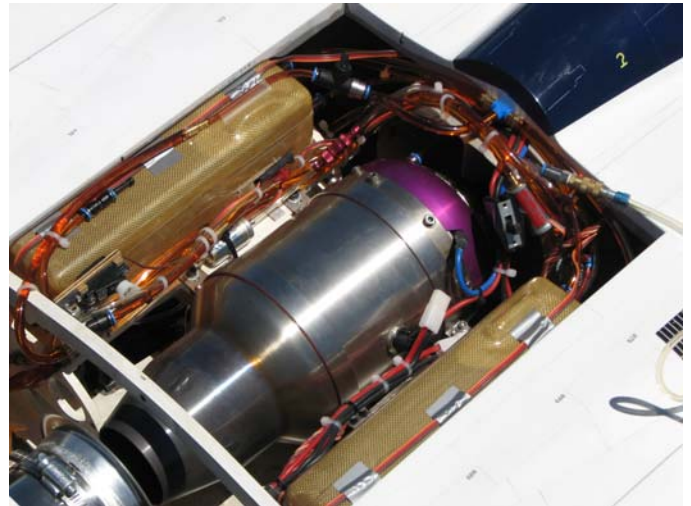
The stronger wind predicted for the day did not eventuate and flying continued until 2:30pm when we presented the awards for the day and took our departure. Another excellent days flying and we look forward to next year.

## Awards.

|                     |  |                 |
|---------------------|--|-----------------|
| Military Flying     | F. Laguda (NFG)                            | F-15C           |
| Military non-Flying | J. Stafford (WMAA)                         | Miles Messenger |
| Civil Flying        | R. Gaumann (P&DARCS)                       | Piper Tri-Pacer |
| Civil non-Flying    | M. Clancy (WMAA)                           | Cessna 310      |
| SC Models awards    | M. Radburn (GMAC) and R. Mitchell (K&DMAC) |                 |
| WMAA prize          | P. Garro (NFG)                             |                 |



Paul Robilliard and Jon Bellamy prepare the ex Ian Watts Cub for flight.



The turbine installation in Frank Laguda's F-15C.



Jim Stafford's Miles Messenger, Wal's Cub, Paul Robilliard's Cub and Jon Bellamy's Bristol M1.



The ARF Cessna 310 by Michael Clancy.

# SCALE RALLY at WERRIBEE.



Glen White's Messerschmitt Me 163.



A small Catalina by Jim Stafford.



Roly Gaumann accepts the award for Civil Flying with his Piper Tri-Pacer.



Mark Radburn flew hard all day and was rewarded with one of the SC Models Dura-Grit prizes.



Pat Garro was the lucky winner of the draw for a prize donated by the local hobby



Rod Mitchell was the other recipient of the Dura-Grit prizes donated by SC Models.

# VICSCALE PRESENTATION at P&DARCS



On Sunday 6th of December the Vicscale committee visited P&DARCS to discuss and demonstrate the building and flying of scale model aircraft. This was quite well attended by P&DARCS members and confirmed that, like most clubs, they have a considerable number of people interested in scale modelling.

With four completed models and another couple under construction on display to complement his address, David Law spoke on scale modelling in general and the requirements for participation in our scale competitions.

Those attending were informed on the basic rules of our main scale

competitions with some emphasis on the preparation and presentation of scale documentation and after a break for lunch David made a demonstration flight with his 1/3 scale Pitts with Noel Whitehead adding comments on each manoeuvre.

It all seemed to go reasonably well although we may have placed a little too much emphasis on international F4C competition rather than our own, less complex, events. It was a worthwhile initiative and may lead to similar presentations at other clubs. With a little fine tuning and after this first experience this type of activity could become a good vehicle for the promotion of our Association and competitive scale flying.



David making his presentation in the comfort of the large shelter at the P&DARCS field.



The quite large number of attending members indicated their general interest in scale modelling.



Noel Whitehead addressed members prior to David's demonstration flight to describe the execution of manoeuvres as required by scale judges.

# Vicscale visit to Dereel.

Dereel? What is it or where is it, and what interest could it be to our group ?

You might well ask those questions and the answer is that Dereel is a very small town roughly half way between Ballarat and Geelong and Andrew Willox who owns a property complete with a full size airstrip offered the use of the field to Vicscale. The offer came through Joe Finnochiaro and included an invitation to visit in December and inspect the field.

Andrew is the editor of "Aerogram" the RAAF Museum newsletter and, like many, is a frustrated would-be pilot. Unlike most of us, who have turned to radio controlled scale models to satisfy our craving, Andrew has decided to build a full size replica of the Be2 with a view to complementing the existing WWI aircraft presently in the Museum. He has collected many drawings and much detail on the aircraft and has a big job ahead of him. However he has the facilities on his doorstep and if his enthusiasm can be sustained and finance found then it could happen.

Unfortunately the airfield, while probably adequate for the operation of quite large aircraft, did not really suit our requirement for model flying as it was only usable in one direction and being cut out of a small forest had very large trees along both sides making model flying both hazardous and somewhat risky. It's also a long way away and we covered 300km on the round trip via Ballarat and returning through Geelong. The travelling was partly offset by finding a very good pie shop in suburban Geelong where we enjoyed a late lunch.

Thank you to Joe for his enthusiasm in following up on Andrew's offer and to Keith Schneider, Barrie Reaby and Pat Reaby for their company on the trip.



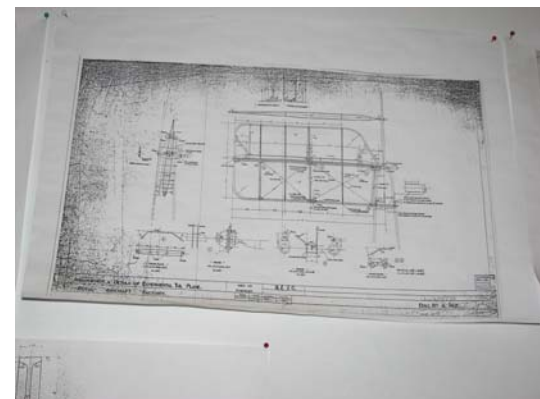
Our group in the hangar with Andrew Willox on the left. Original drawings on the board and a completed propeller which was manufactured in China.



View down the strip. They are big trees on either side and it would require a fast climb out on take off to clear them.



A bunch of old guys on their weekly outing from the hostel?



One of the many original drawings obtained for the construction of the Be2.

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# Pearl Harbour - Hawaii

## Alistair Heathcote visits the Pacific Aviation Museum .

In November 2008, I came home from the USA via Hawaii and stayed for a few days R&R. I was aware that an aviation museum had opened on Ford Island (Pacific Aviation Museum), Pearl Harbour about 12 months previously. So after a bit of negotiation a visit was organized!

The museum had been planned for some time but the money was a long time coming. It is in one of the original hangars that were present at the time of the attack in Dec 1941. Its objective is to display as many aircraft and associated memorabilia that were involved in the attack and relevant to the American war in the Pacific – and so far, they have done a splendid job!

I had a conducted tour with Jim Bugbee – a WW2 veteran who flew B17s, B24s and B29s – he was as interesting as the museum.

I have included some photos so you can get a flavour of the place but for me a very interesting part was the story behind the Aeroncas that were flying at the time of the raid so I have provided some details below:

Roy Vitosek was flying over Diamond Head (near Waikiki) in an Aeronca 65 TC and he dived through early morning mist to join what he thought was a familiar squadron of army friends out for a morning fly. A burst of machine gun fire from a ship jolted him in to realizing he had become tail man in the first wave of attacking Japanese planes!!! – He survived.

Marguerite Gambo, an instructor, was also airborne with a student pilot and when she realized there were “foreign” aircraft in the sky, she interrupted the lesson and landed safely.

Marguerite owned the GAMBO FLYING SERVICE whose operation was suspended until after the war and the aircraft she was flying on this day, an Aeronca 50 TC, was shipped back to the US mainland. It passed through several owners and fell into disrepair. With the help of historians, its location was determined and ownership transferred to the US Army Museum in Hawaii in 1993. It was restored by volunteers from the Kapi'olani Community College and

displayed at the Honolulu International Airport. It was then transferred to this museum and is displayed as shown in the photos. Something different for a scale model.

The Wildcat started life in the US Navy on April 13<sup>th</sup> 1943 and ended it on June 21<sup>st</sup> at the bottom of Lake Michigan after a mechanical failure. Rescued in 1991 a 4 year restoration ended with a flight in June 1995. It remains flight worthy and is on loan to the museum.

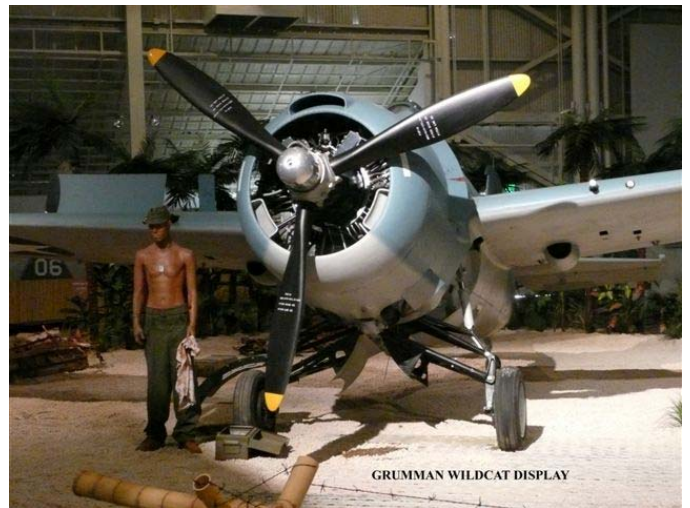
The Zero was built in Dec 1942. After a crash landing in the jungles of the Solomon Islands, it was abandoned until 1964. By the mid 1980's, after fitting a Pratt and Whitney R-1830 engine, it was back in the air again – flying for the Commemorative Air Force.

This is an interesting museum with very well presented exhibits – well worth a visit if you are in the area – and, while you

are there, go to the USS Missouri battleship museum that is adjacent.

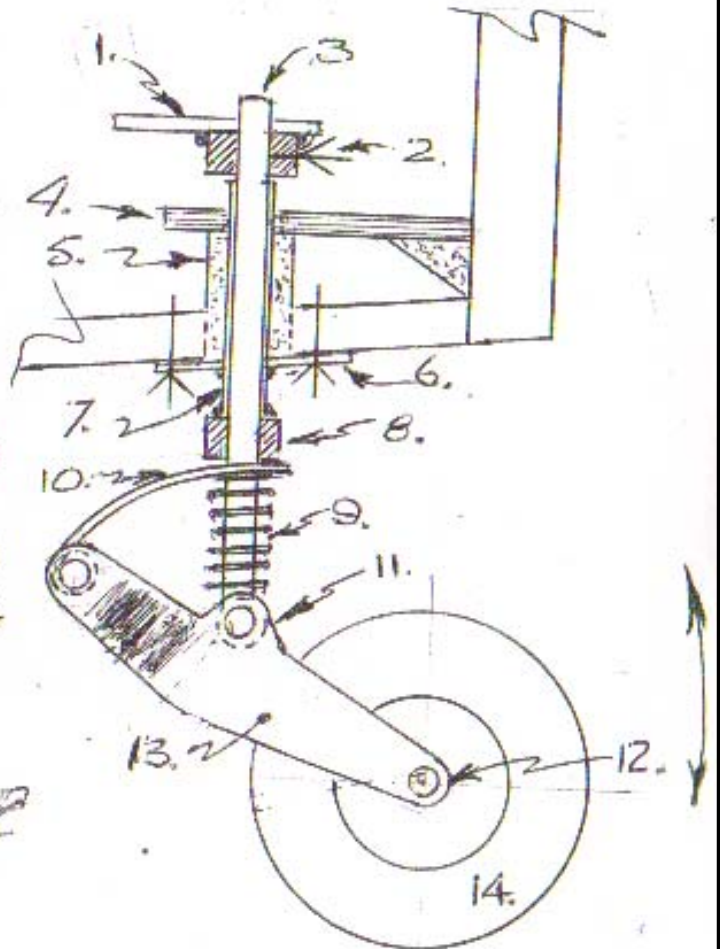
Wishing you all a happy building and flying 2009





# Barrie Reaby's Steerable and sprung tailwheel design for his 1/4 scale Fairchild 24.

1. Tiller arm, M/s 22g 10mm tapered strip S/soldered to 2.
2. M/s collar with 4-40 cap screw fixing to 3.
3. 5/32" Piano wire movable shaft.
4. 1/8" ply.
5. Hardwood timber block
6. 22g M/s fixing plate s/sold. to 7.
7. 3/16" Brass tubing.
8. Brass collar, S/sold. to 7.
9. Spring.
10. Curved fulcrum 20g.x 10mm M/s curved Strip S/sold. to 10mm wide 3/16" tubing. Thru' bolt 4-40 Cap screw.
11. 3/16" steel tubing, length to suit tailwheel clearance width. S/sold. 5/32" wire shaft into brass collar. Brass collar to slide over 3/16" tubing. Thru fixing 4-40 cap screw.
12. 5/32" brass tube bearing thru' tailwheel, fix with 4-40 cap screw.
13. 22g M/s side cheeks,
14. 40 mm diam. tailwheel



*20/10/08 BR*



# The P&DARCS

## Monty Tyrrell Scale Rally 2009



*Sunday 22nd March 2009*

The P&DARCS would like to invite all scale modelers, and would be scale modelers, to the 2009 Monty Tyrrell Scale Rally. The event will be held on Sunday the 22nd March 2009

This event was started as a way to encourage the building and flying of scale models, and with the sad passing of Monty, the event was renamed in his honor. This event is run as a rally, so that competitors can fly their aircraft in a relaxed manner, have a great day out, and perhaps even win a prize !

### **GENERAL RULES**

1. Aircraft must be a replica of a full sized aircraft. 3 views are not required unless the aircraft is of a unknown origin
2. Minimum flights required to be deemed eligible for trophies is 3
3. All pilots must have helper/caller. ( This is for safety and is mandatory)
4. Aircraft will be judged on realism in takeoff, flying and landing.
5. A holding bay will be used, when one aircraft lands, another will be permitted to take off, providing it is safe to do so. Maximum number of aircraft permitted in the air at the one time is 6
6. No hovering permitted, by any aircraft! No exceptions ! aircraft to fly in normal flight patterns

### **PRIZES**

The categories that will be contested are as follows :-

#### **SCRATCH BUILT AIRCRAFT.**

Any aircraft that has been built from plans, or has been built from a kit. This will be scrutinized by the judges !

#### **ARF AIRCRAFT.**

This category is opened to the almost ready to fly models.

Trophies will be awarded to 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place for both these categories, as well as a raffle being run for the entrants and helpers. The prizes will be a bottles of wine, with 12 to give away 6 for the helpers and 6 for the contestants

There will be a pilots choice trophy to be awarded, voted on by the pilots, to the aircraft that they believe that promotes, the true spirit of the building or the flying of scale aircraft, as Monty believed in. This will be the winner of the Monty Tyrrell trophy.

### **Notes:-**

- Pre Entry** Pre-enrolment is encouraged as it gives us an idea of numbers, but please send no money, just pay on the day
- Entry Form** The Entry form is available on the website and can be completed and submitted on-line
- Entry Fee** \$5.00 for each aircraft, payable on the day !

**QUESTIONS ?** E-MAIL: [montv@pdarcs.com.au](mailto:montv@pdarcs.com.au)  
More info at [www.pdarcs.com.au](http://www.pdarcs.com.au)

**Looking forward to seeing you there.**

## WHAT'S ON?

|                 |  |             |
|-----------------|--|-------------|
| Feb 1st         | Scale Rally / mini comp.                             | NEPEAN      |
| Feb 5th         | General Meeting                                      | FNCV        |
| Feb 8th         | Scale Rally  | SEMAC       |
| Feb 22nd        | State Championship<br>(F4C and ARF)                  | P&DARCS     |
| March 1st       | Sportscale / ARF                                     | KEILOR      |
| March 22nd      | Monty Tyrrell Memorial                               | P&DARCS     |
| March 29th      | Sportscale / ARF                                     | STATE FIELD |
| April 2nd       | General Meeting                                      | FNCV        |
| April 5th       | Ballarat Annual Display                              | BALLARAT    |
| April 5th       | Keith Hearn Memorial                                 | MARCS       |
| April 15th-18th | National Scale Championship<br>(F4C and Large scale) | COOTAMUNDRA |
| April 18th-19th | VMAA Trophy  | STATE FIELD |
| April 24th-26th | Wagga Military Scale                                 | WAGGA       |

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## NEXT MEETING

General meeting, Thursday, February 5th, 2009, commencing at 7:30 pm at the headquarters of the Field Naturalist Club of Victoria, 1 Gardena Street, Blackburn. Visitors and guests are welcome to attend.

Committee meetings, Thursday, February 26th, and March 26th, commencing at 8:00 pm at the home of Noel Whitehead, 13 Seattle Street, North Balwyn.

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### NEWSLETTER

**V.F.S.A.A. Inc.**

**Reg. No. 27093N**

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