



# P&DARCS

Pakenham and District Aircraft Radio Control Society



## P&DARCS NEWSLETTER NOVEMBER 2018

### B36 TEST FLIGHT

The B36 heading east, under perfect test conditions



The massive B36 lifted off the main runway at P&DARCS, early afternoon, on Saturday 13<sup>th</sup> October, flown by test pilot, and heavy model inspector, **David Law**, and Co-Pilot **Neil Addicott**. The B36 team of Ivan and Kevin Chiselett, and Andrew Smallridge and others were very pleased with the model's performance, there were congratulations all round

Photo: Andrew Mysliborski

Report and more photos inside

**Next Club Meeting, Saturday 3rd November 2018  
At Burley Field, 1pm start**

## BURLEY FIELD

Wenn Road Cardinia

[www.pdarcs.com.au](http://www.pdarcs.com.au)

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### Editorial Submissions to:

[editor@pdarcs.com.au](mailto:editor@pdarcs.com.au)

## EDITOR'S BIT

**TESTING THE B36**, Everyone present at the field were waiting patiently for the long awaited event

The weather was sunny, with a light intermittent breeze from the south east, final checks of the model were made near the centre of the main runway

Paul Somerville pressurized the retract systems, and the test pilots decided they were prepared for the first test flight

Paul Somerville and Andrew Smallridge moved the model to the West end of the main runway, and indicated to the test pilots that the model is correctly positioned for the take off run

David Law opened the throttles, the motors roared, and the model accelerated rapidly, lifted the nose wheel clear, running for a few seconds on the mains, then lifted into the air, what a sight



The B36 at lift off

**Frank McPherson** Editor

## WHAT'S ON At P&DARCS 2018

Look in the Club Calendar on page 12

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## NOTICES



### Annual Twi-fly & Christmas Dinner

This year the annual Dinner & Twi-fly it will be on the 8<sup>th</sup> December, which is a Saturday. Everyone must book & pay a \$5 per head fee to cover the catering costs & ensure we have enough food on the night. On the day it will be bookings only, so please if you wish to attend, book in.

There are three ways to book:

- See Daniel at the November or December club meetings
- Print & cut out the booking slip below & send it to us
- Use the PayPal button below. Please note using PayPal incurs a 50c processing fee per attendee.

All bookings must be received by the 1<sup>st</sup> of December.

[Buy Now](#)



P&DARCS Christmas Dinner 2018	
Name:	
Address:	
No of tickets required:	
Amount enclosed (\$5 each):	
<b>Mail to:</b> P&DARCS Christmas Dinner P.O Box 131 MDC, Cranbourne 3977	

### REPAIR OF CLUB DRIVEWAY

As everyone is aware, the club driveway is once more full of potholes. Over the past few years we have filled in the holes around twice a year, but the main issue is the road is lower than the surrounding ground, thus water collects rather than run off, so holes keep occurring. It costs the club around \$400 each time we get a load of crushed rock. The Committee propose getting a contractor to bring in around 6 truck loads of material (the same stuff as the Council recently placed on Wenn Rd) & grade the road so that it has a crown in the centre & thus would allow water to run off. The cost of this operation for material and machinery would be around \$4,200. This will be discussed at the next club meeting.

### CLUB DEFIBRILLATOR

The Club has purchased a good quality defibrillator, it is planned to install the defibrillator in the small alcove that houses the library

Don White (retired Ambulance Officer), will be providing a basic first aid course, including using the Defibrillator, at our Club rooms on 3<sup>rd</sup> November

**Don White** Social Officer

## PRESIDENT'S REPORT

What a great weekend we had 13<sup>th</sup> and 14<sup>th</sup>. After 5 years of massive effort by Ivan and Andrew in building the B36, from an initial design by Kevin Chiselett and Andrew Smallridge, followed by many hours of ground testing and modifications, the day finally came for the maiden flight. Credit also to the efforts of Paul Somerville over the years. This monster has a wingspan of 6 mtrs and weighs in at 65Kg so it would take a special pilot to test fly this. Enter our new World Champion David Law who, having made a thorough inspection of it, took it to the sky. With massive thrust it rotated halfway down the main runway and simply looked and sounded fantastic. So good in fact that David flew it a second time in the afternoon; perfect flights and perfect landings. David didn't seem fazed at all. There must have been 50 people on a perfect weather day to witness this event which was later celebrated with champagne and lamingtons kindly provided by Ivan's wife Barb. We are all hoping to see it fly this coming November 11<sup>th</sup> at the Scale Rally. Sunday we had a visit by the West Gippsland Historical Automobile Club. This group consisted of 22 members and their partners as part of their monthly club run. They arrived at 10.30 on another perfect day and thoroughly enjoyed looking at the varied aircraft flying. They towed a BBQ and proceeded to cook lunch for both themselves and all our members which was great. A big thanks to Peter Harris, Chris Caulcutt and Peter Timms for providing instruction. I think there were 6 or 7 who chose to try their hand at flying. Also thanks to Andrew Mysliborski who displayed his magnificent B36 photos in the clubhouse. Many of them didn't leave until 5pm and they all agreed it was a fantastic day; some expect to come to the Scale Day to see more.

**Alan Foley** President

## SECRETARY'S REPORT

**Meeting Opened:** 1300 hrs - Meeting Chaired by President Alan Foley

**28 Members Present:**

**Apologies:** David Walsh, Daniel Jenkins, Paul Somerville, Mark Smith, Peter Harrison

**Visitors:** Ryan Glossop, Addie Hampson

**New Members:** Nil

**Minutes of previous Meeting:** Motion that the minutes of meeting of the previous meeting as printed in the Newsletter be accepted.

Moved Barry Law Seconded, Brian Evans Carried

**Business Arising from Minutes.**

Nil

**President Report:**

- Welcomed David Glossop back after his illness.
- Advised that work to secure the roof with screws of the club house and shed has been completed by a contractor.
- The President congratulated Sam Adicott for attaining his Silver Wings and presented him, with his wings.
- Advised that the front sign was being repaired will be soon reinstalled.

**Secretary Report :** Absent

**Correspondence In:**

Nil

**Correspondence Out**

20 letters seeking sponsorship for the Scale Rally.

**Treasurer Report:**

The Treasurer provided report on club finances. Club is within \$200 of achieving our budget.

Receipts for the year \$34,658

Expenditure \$9,327

Surplus for rest of year \$25,331

**Registrar:**

- The Club membership now stands at 149.

**Facilities; Absent**

**Field Report**

- Working Bee on November 10th.
- Sprinklers have been used to stimulate the new grass seed that has been recently planted.
- Not intending to use the sprinklers during the summer.
- Advised that those getting to the field early to check that the sprinkler heads are down before flying. If they are not down please gently tap them down.

**Safety Report**

• Reinforced note in Newsletter re taking off from the pots. The Safety Officer reminded members that it was absolutely against club rules, and also very dangerous to take off or land in the pits. All members must have their aircraft take off and land on the runways.

• Advised that at the next meeting, Nov 3, Don White will be conducting a First Aid talk and also instructions for the new Defibrillator.

**Editor's Report**

• Advised that those receiving hard copies of the Newsletter will be contacted to ascertain if they can receive and e-copy or come to a satisfactory arrangement so that the club does not have to post out Newsletters. He noted that hard copies will be placed in the Club house.

**Webmaster Report:** Absent

**Social Report**

• Has organised for another club outing to the Melbourne Steam Traction Engine Club at Scoresby. Date set is Sunday 25<sup>th</sup> November. Gold coin donation for entry. Free BBQ for lunch

**General Business**

• Reminder of the Scratch Build Scale day coming up on November 11<sup>th</sup>. There will be a working bee on Saturday November 10 to set up the field for the Rally. All helps would be welcome.

• There will be a service at 11 am as part of the event. As it is the 100<sup>th</sup> anniversary of WW1 organisers are hoping for a number to WW! Models to be present and may do a combined fly past as part of the ceremony.

• Advice that the flush at the ladies toilet is not functioning correctly.

• Fred Webb suggested that we get a lady to do some commentary at the next event.

• Sunday Oct. 14 the Gippsland Historic car club will be attending the field for a social visit. The president asked members to make them welcome.

**Meeting Closed 2-00pm**

**Next club meeting Sat November 3rd .**

**Ivan Chiselett for David Walsh Secretary**

**FOUND**

**On Thursday Oct 18, LiPo Battery Tester.**

**Ivan Chiselett has it, phone 9898 4379.**

**FREE TO A GOOD HOME**

Four printer cartridges, suit Canon 521 printer  
Black / Magenta / Cyan / Yellow  
Contact Wally Schubach, on 9700 6166

## Rob Till relocating to Canberra

Rob has resigned from the Co-Op due to his intending move to Canberra later in the year.

Barry Law presented Rob Till with a gift and thanked him for his many years of outstanding service to the Co-Op.

Rob intends to continue his role as P&DARCS Registrar via electronic means from Canberra, and occasional visits to the Club to catch up



Rob being congratulated and receiving his gift of gratitude, from Barry Law

# REGISTRAR

## Registrars Report – September 2018

### New Member Applications

No new Members this Month

### Inductions/Orientation

The keys and membership cards for new members required to attend an orientation session are held in the club. Any committee member will be pleased to run through this session with a new member on request and will then hand over their key, card and of course a smart Club Cap

### Memberships

Membership renewals have been completed for all those who have returned forms. A list of unfinancial Members has been posted on the Club Noticeboard

Everyone flying now should display their 2018/19 Membership Cards

### Membership Status

	Paid 2018-19	Unpaid	New 17-18
Associate	13	0	0
Full	89	11	2
Honorary	0	0	0
Junior	3	1	0
Life	3	0	0
Non-flying Full	0	0	0
Pensioner	24	0	0
Probationary	16	4	5
Prospective	1	2	1
Student	0	1	0
Spouse	0	1	0
<b>Total Paid</b>	<b>149</b>	<b>20</b>	<b>8</b>

Resigned – 5, Unpaid - 15

**Rob Till** Registrar

# ATTENTION MEMBERS

The Club's **Kit & Scratch Built Scale Rally** is on November 11<sup>th</sup> and we desperately need members to assist in running the event.

We need **gate attendants and parking directors** for Sunday. We will be running 1 hour rosters so it will not be too difficult to help out on the day. There will also be **a small working bee on the Saturday before the weekend to get the field up and ready. You are welcome to attend.**

If you can help on either or both days please contact Ivan Chiselett at [monty@pdarcs.com.au](mailto:monty@pdarcs.com.au) or on 9898 4379 advising what days, and how long you can give.

We really want this to be a great success for the club and we need your help to run it.

## Kit & Scratch Built Scale Rally November 11<sup>th</sup> 2018

Don't forget the Club's big event. There are great trophies to be handed out in two categories as well prizes handed out by lucky draw during the day.

**As it will be Remembrance Day and the centenary of the end of WW1 we will be having a short service at 11 AM and it is hoped that we can have a fly-by of WW1 scale aircraft. If you have a hand built scale WW1 model please bring it along and be part of something special.** Please tell your friends from other clubs of the event and fly-by as we need modelers to attend.

Why not get out one or more of your "hand built" scale models and come along and be part of the weekend. It does not have to be spectacular, just hand made from a kit or scratch. If you only have a project on the go, please bring them. The weekend is all about celebrating building models a sort of show and tell. If you do not have an aircraft that qualifies just come and have a look at the models that will be there.

Please tell your friends about the weekend, we have a Public Display Permits so the public is OK to attend and enjoy looking at great models.

It is only \$5-00 per car. No additional registration fee, just the \$5-00 is all it costs. All profits go back to our great club. Please get behind the rally and come and enjoy the weekend.

See the club website [www.pdarcs.com.au/scalerally](http://www.pdarcs.com.au/scalerally) for details and entry forms.

Ivan Chiselett at [monty@pdarcs.com.au](mailto:monty@pdarcs.com.au) or on 9898 4379

# THE B36

## Report by IVAN CHISELETT

It flies..... What a great day it turned out to be on Saturday October 13.

It was fantastic to see it finally take to the air. I know many of you thought that it was a big car, but after Saturday it is now an aircraft. Unfortunately many things like weather, holidays, injuries, new jobs, and sickness all contributed to delay the test flight for quite a long time. However last Saturday it all came together.

A big thank you goes out to David Law for his excellent piloting skills. I am so glad that we got David to do the test flying. His skills are just fantastic. So calm and just a great pilot. Thank you David for getting our baby up and down safely.

I would also like to thank all the members of the club for their support during this project and particularly on Saturday for the test flight. Everyone was fantastic and allowed us plenty of exclusive use of the runway for our testing flights.

Also a big thank you to Paul Sommerville he has greatly assisted us in the project. His help on the assembly is vital. I do not know how many times I have called on him to come past my house to help me move the model bits between the garage and my building room in the attic.

The genesis of the building the B-36 started after seeing three of remaining four B-36s while on an aircraft museum trip in the US in 2011 with Andrew and Paul. The B-36 is just so big and impressive, especially the one at the Pima Museum in Tucson.

After returning home we decided that the construction of a large model of a B-36 would be a good "idea" and a challenge. The size was determined to be 1/12, as this was the largest size that could be fitted in my model trailer when dismantled into manageable sections. This would mean a model of about 6 Metres wing span and a length of 4.1M. The fuselage diameter was to be about 340mm. We envisaged that the mass would be about 50Kgs.

Kevin then undertook the design of the project with assistance and input from Andrew. The "cutting files" were produced and Andrew looked after all the laser cutting. He then sent the parts to me to put together.

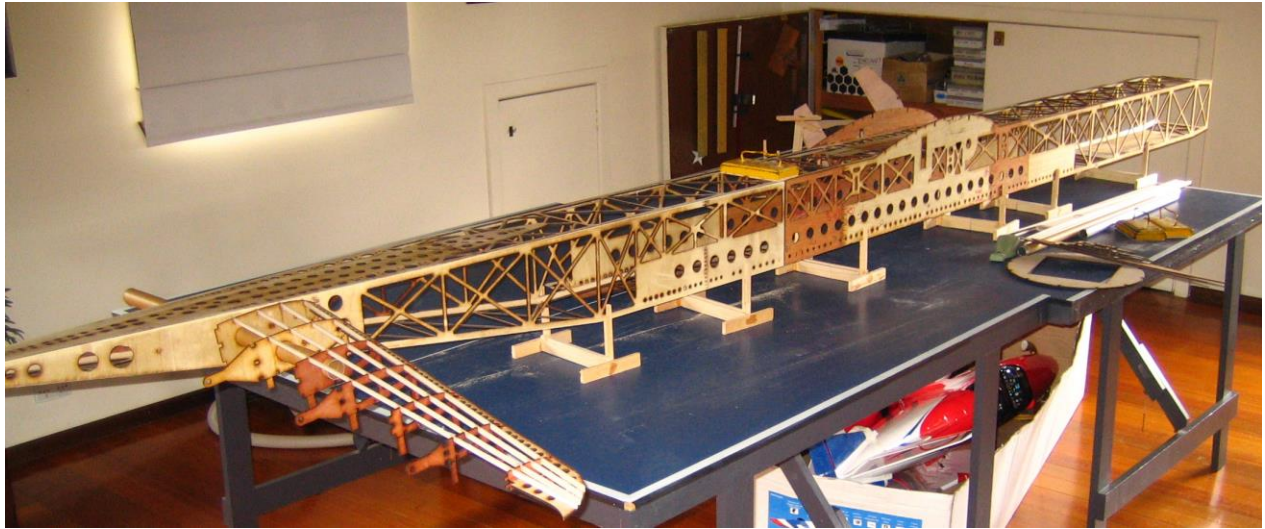
The design commenced in about July 2012 and Andrew started to cut the parts. The parts started to arrive to me in August 2012.

### *The parts start to arrive*





The fuselage was built using a "truss" box with the circular bulkheads fitted around it. Holes for the aluminum wing tubes were located in the fuselage sides. It was decided to use a 50mm Al tube for the main wing "spar", supplemented by a 25mm tube further out along the wing. It was necessary to have 2 Al tubes overlapping due to the sweep of the wings and the need to allow for the retracts.



*The "box" of the three fuselage sections together with a part of the horizontal stab.*

The left and right wings were framed up and we could not pass up the opportunity to put it all together to see how it looked. Fortunately the room was big enough to just fit it in.



Andrew made up the mold and plugs for the jet pods and cowls and a great job he did. Unfortunately for him, each of the 6 engine cowls are different so this made his job a big one.

To say it has been a challenge would be an understatement. It certainly was a lot more work and problems to overcome than we initially thought. The main thing is that it has been a lot of fun and I have learnt so much about building. Working as part of a team is really enjoyable. There is always someone to discuss a problem with or an idea and I am sure all of us involved are now better modelers.

It is our intention to fly the 36 at our relevant Club days in the hope that it will increase attendance and stimulate interest in our great club.

### *Some Specifications of the model*

Build Material – Ply, balsa, fiberglass and G10.

Span 230" or 5.842 M

Length 162" or 4.110M

Mass with all batteries – 65Kgs.

Power 6 X 4330 Motrolfly electric motors & Speedies & 4 79mm Electric Ducted fans.

Batteries 6 X 6S 6000Mah Lipos & 4 X 3S 2200 Lipos

Servos - 16 - Most servos are Hitech 645s

Retracts – Air operation - Custom made by Century Jet

Time to assemble – Currently about 1 ½ hours, lots of bits and checks to do.

Out of interest, a video of the test flights was uploaded to Youtube, and has been viewed over 136,000 times



Andrew, Ivan, and the B36

# MORE B36

Photos : Andrew Mysliborski



Pre - Flight checks and preparation, Dave law, Neil Addicott, Andrew Smallridge, and helpers, the test pilots decided they are ready for the first test flight



Paul Somerville and Andrew Smallridge moving the B36 to the Western end of the main runway, as battery consumption was unknown at this stage, it was decided to avoid taxiing, to conserve power



Take off run, the B36 has rotated, on the rear mains, all systems are go, ready for lift off



Lift off, the B36 is airborne for the first time, What an awesome sight



Climbing away, the B36 is stable, and looking magnificent in the air



B36 at height, heading West

# MORE B36

Photos : Andrew Mysliborski



Out over the western bank on final approach to the main runway



Over the runway threshold, reducing power



About to touch down, slight drift to port



On landing roll – out, a perfectly controlled landing, conclusion to the first test flight  
Much merriment and back slapping, by all involved

# P&DARCS CALENDAR FOR 2018

## November 2018

- 03 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
- 06 (Tue) [Melbourne Cup Aero Tow](#) Field Open: **Partial**
- 10 (Sat) [Spring Clean & Working Bee](#) Field Open: **Partial**
- 11 (Sun) [P&DARCS Scratch / Kit Built Scale Rally](#) Field Open: **No**
- 15 (Thu) 7:30 pm - 10:00 pm [Committee Meeting](#)
- 25 (Sun) 10:00 am - 10:30 am [Tour National Steam Centre](#)

## December 2018

- 01 (Sat) 1:00 pm - 2:30 pm [Club Meeting](#)
- 02 (Sun) [VPA Pattern](#) Field Open: **No**
- 08 (Sat) [P&DARCS Christmas Dinner & Twi-Fly](#)

The logo for 'SC Models' features the letters 'SC' in a large, red, stylized font above a black silhouette of a fighter jet. Below the jet, the word 'models' is written in a blue, lowercase font.

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[kevin@scmodels.com.au](mailto:kevin@scmodels.com.au)

Andrew Smallridge 0417378753  
[andrew@scmodels.com.au](mailto:andrew@scmodels.com.au)  
[www.scmodels.com.au](http://www.scmodels.com.au)

Quality at the Right Price

The logo for 'Motrolfly' is a blue oval with the word 'MOTROFLY' in white, stylized letters.The logo for 'Dura-GRIT' is a yellow oval with the word 'Dura-GRIT' in black, stylized letters and a gear icon.The logo for 'Dragon R.C.' features a red dragon head in a circular frame.

www.dragonrc.com.au

Dragon R.C  
[Dragonrc.com.au](http://Dragonrc.com.au)

The logo for 'Addies Hobbies' features the text 'Addies HOBBIES' in a stylized font, with 'Addies' in black and 'HOBBIES' in blue. To the right is a blue and white logo with the letters 'AH' and a stylized arrow.

RC world of fun

641A Nepean Hwy Carrum 3197 Victoria  
03 9773 3955 [addieshobbies.com.au](http://addieshobbies.com.au)

A row of small icons representing various RC models: a biplane, a boat, a kite, a helicopter, and a car.

AIRCRAFT BOATS KITES HELIS CAR!

The logo for 'My Tool Store' features the text 'MY TOOL STORE' in a large, white, serif font above the phrase 'Make it YOUR tool store too!' in a smaller font. Below this is a blue rectangular logo with the letters 'MTS' in a large, white, serif font and the website 'mytoolstore.com.au' below it. The entire logo is set against a background of wood grain.

MY TOOL STORE  
Make it YOUR tool store too!

MTS  
[mytoolstore.com.au](http://mytoolstore.com.au)

**Next Club Meeting, Saturday 3rd November 2018  
At Burley Field, 1pm start**

**P&DARCS Newsletter**  
Pakenham & District Aircraft Radio Control Society

If undelivered return to  
P&DARCS.  
Po Box 131  
MDC Cranbourne 3977