

# QUEENSLAND



THE HOVERCLUB OF GREAT BRITAIN LIMITED

MEMBERSHIP CARD

YEAR 19 89

NO 3696



# SPORTING HOVERCRAFT

July 1989

Q.A.S.H. Inc 26th Edition



Q.S.H.

# Queensland Sporting Hovercraft

c/o 52 Utrecht Street,  
Loganholme, Qld. 4129

## Committee of Management

President : Mark Dobson 15 Daisy Hill Rd., Daisy Hill 4128  
ph 8084395  
Vice President : Des Goss 43 Luprena St., Mansfield 4122  
ph 3499743  
Secretary : Steven Odgaard 52 Utrecht St., Loganholme 4129  
ph 2098498  
Treasurer : John Russell 35 Camlet St., Mt.Gravatt East 4122  
Chief Race Marshal : Kyle Kerr ph 2072653  
Craft Scrutineer : Phillip Audsley ph 071 459268

Annual membership \$30-00 Associate Member \$15-00

Queensland Emblem on front cover designed by John Rapley.

## Insurance

Private insurance is available for club members through the Victorian Association. Apply to the Victorian Treasurer; Brian Watts  
Ph 03 7231964 for details. Prices advertised in the H.A.V. newsletter vary between \$107-\$250 for between \$4,000 - \$10,000 craft and trailer coverage including \$1,000,000 public liability cover.

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# Queensland Sporting Hovercraft July 1989

Dear Air Cushion Vehicle enthusiast,

Please accept your "yet another just in the nick of time" copy of the QSH newsletter.

Hooray! A.G.M. coming up next month. Will this be my big chance to palm this delightful job off onto some other keen hovernaut who likes to attend every club cruise, every club race meeting, every club general meeting and every national rally; who has a reliable craft to run in any event called up at any time all year round; who has a flair for writing, typing, collating, photographing and photocopying, folding, stapling, licking, addressing, stamping, posting and who copes with breathing, drinking, eating, dreaming, working and living hovercraft? Good thing I only do this for pleasure.



This month's rally, to be held this Sunday 16th July, will be a trip to Stradbroke Island and the Jumpinpin Bar. At our last general meeting, Grahame Becker kindly invited us to call in at his holiday home on Canaipa Point and as this is considerably further north of our originally planned route, our launching site has been changed from Cabbage Tree Point to the Redland Bay Esplanade (small park near the hotel). Gosh! not another reference to a watering hole, anyone would think I was a drinking man.

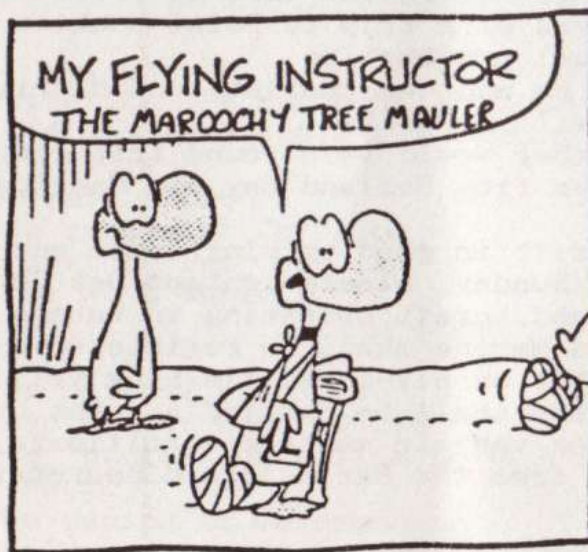
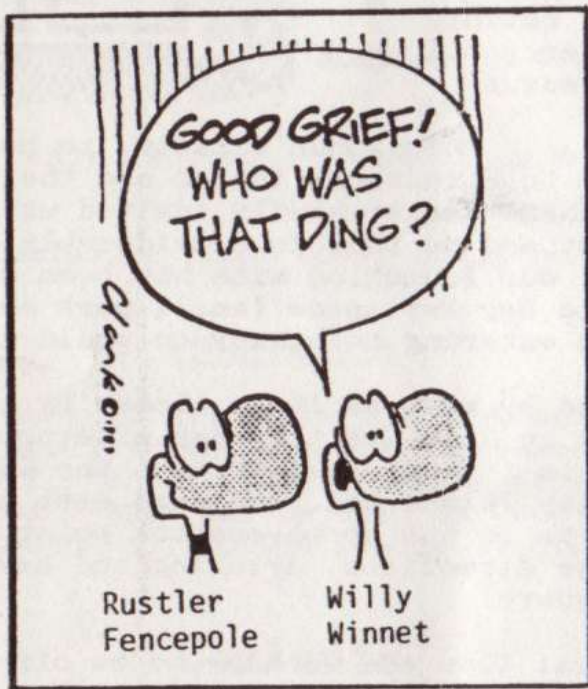
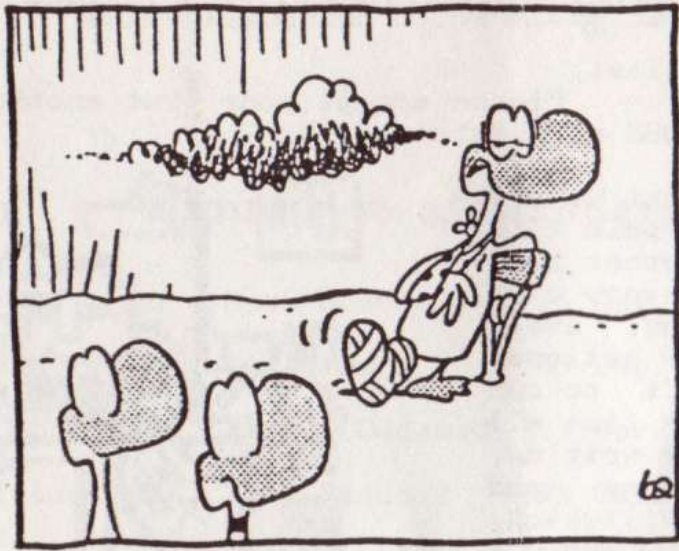
This launching site was preferred by most as it is closer by road and will save the hassle of getting stuck in Gold Coast Sunday afternoon traffic. The shortest route to Grahame's is to head east through the Garden Island passage, veer south around Macleay Island and then head east along the north side of Karragarra Island. Canaipa is the north-eastern point of Russell Island. As you can see from these directions, drinking and bay cruising could lead to the middle of no where.

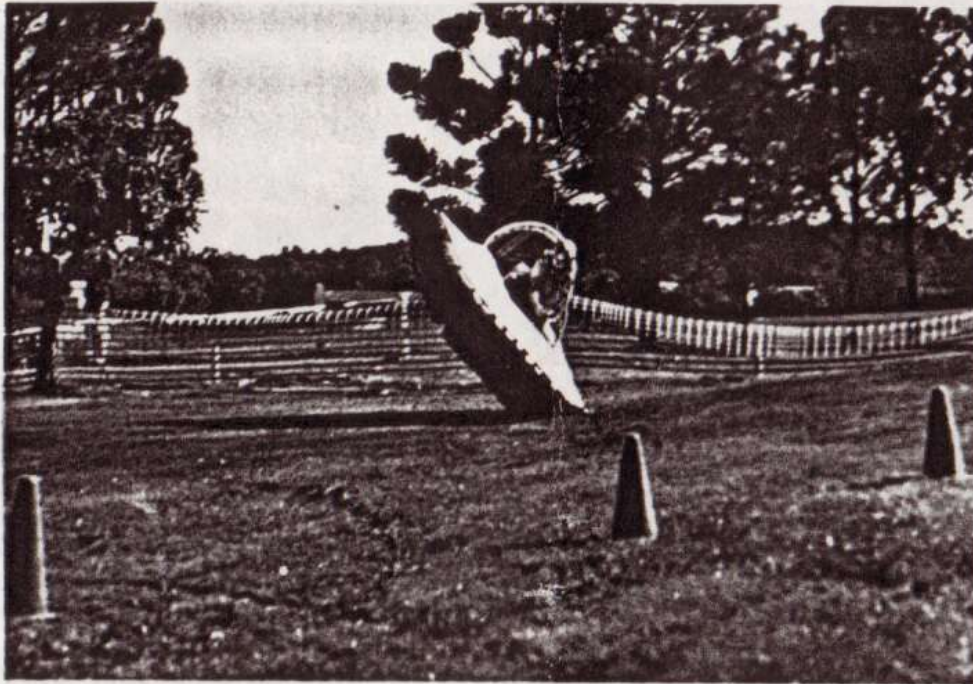
The time to meet will be the usual 10am and we hope to be off-loaded and under way by 11am. As was pointed out in the last newsletter, we will be looking at the woes and wherefores of a trip to Point Lookout in November, so be sure to keep a check on fuel consumption.

The trip to Canaipa Point is 11 km and the complete round trip to the Jumpinpin Bar from Redland Bay will be 50 km.

A trip to Point Lookout in November would be a round trip distance of 86 km from Cabbage Tree Point or 114 km from Redland Bay via Canaipa Point.

If you have a sea-worthy hovercraft in good working order and you would like to participate in this rally on Sunday, please contact Des Goss ph 3499743. Please remember that in Queensland, craft operating in waters under the jurisdiction of the Harbours and Marine shall be registered as private pleasure vessels and shall exhibit an all-round flashing yellow light, a fire extinguisher and life jackets shall be carried and the operator shall have either a private air cushion vehicle masters certificate, a commercial masters certificate or a permit from the Marine Board Secretary.





Murray Russell executing a 60 deg bank turn  
at Carbrook during racing on Sunday 25th June.

## Sunshine

As you will see in the pictures in other sections of the newsletter, Mr Ellis won't need to air freight his hovercraft to America in October. He could use the Westgate Bridge in Melbourne or the Gateway Bridge in Brisbane as a runway and just fly straight there.

Shock! Horror! Steven Odgaard actually broke a belt the other day. His face was white with shock and some people thought that a trip to the hospital was in order. I wonder how a dreadful thing like this could happen, when it was one of the originals and only EIGHT years old.  
( Could the infamous skirt be next. )

The editor of the newsletter received a letter the other day from some conservationists who were quite worried about the "Maroochy Tree Mauler" taking out more trees at the next meeting; hopefully this won't happen. Does this mean that the position of ploughin expert is up for grabs now that he is a tree expert.

**Racing News** by Mark Dobson

On the 25th June, we returned to Carbrook for our monthly race meeting with a mixture of good and bad things happening on the day. It was very reassuring to see quite a large number of people turning up to see the boys do their thing considering that at this stage, the only advertising is through the newsletter or word of mouth. Probably from a spectators view, the side way jump over the island was the most spectacular and if you had your camera working, some great shots were available if you positioned yourself in the right spot. Tony had what you might call an atrocious day starting with the lift motor not wanting to participate in the proceedings then a wrestling match with a tree, put paid to his efforts for the day. Murray had some early heart flutters when he half landed on top of a fence that was erected over a drain but would you believe it, all he did was pull out one cable tie. If you had seen it happen you wouldn't have believed it. The main "Battle" in all the races was between Angus and Owen with Murray not far behind really putting on a show of great driver and craft handling performance and ability, and the speeds they must have been attaining without coming to grief with one another was truly appreciated by all. The safety aspect of spectators has come to the fore again with a lot of people wandering around not realizing that craft were actually wanting to use the track, so as a result of this, we will have four race marshals around the track to keep everyone off. With the combination of good weather, plenty of spectators and good racing, the day didn't go too bad, so with a bit of help and hard work we will improve more and more as each meeting goes by.

THE POINTS TABLE AFTER THE SECOND MEETING IS:

FORMULA ONE

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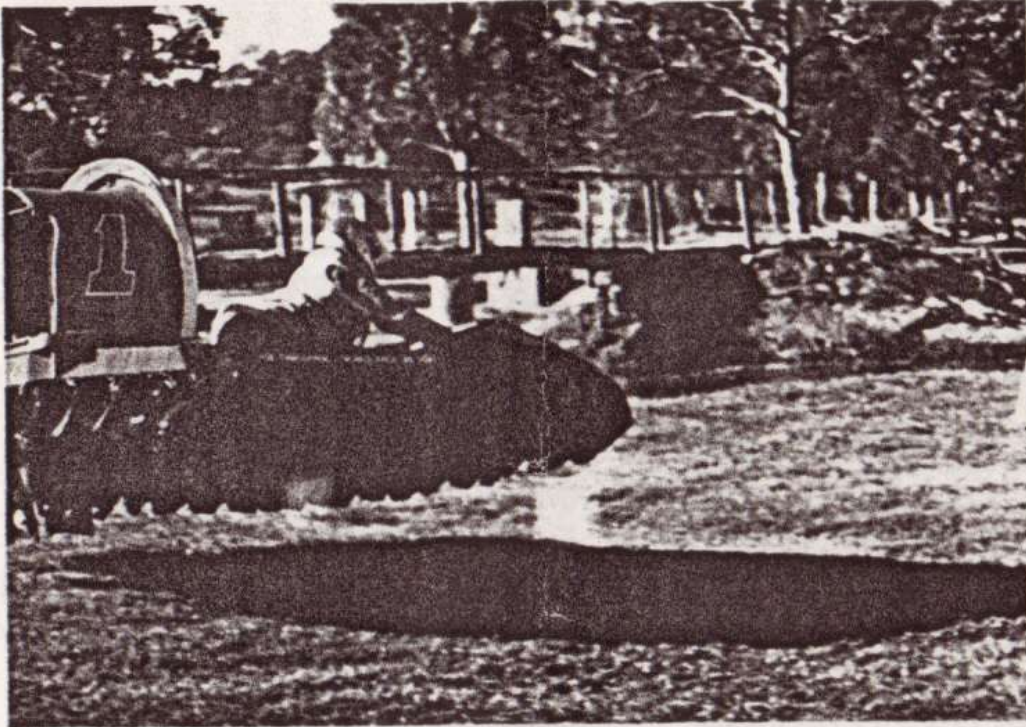
NAME	POINTS
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TONY THATCHER	40
STEVE ODGAARD	37
MARK DOBSON	20

FORMULA TWO

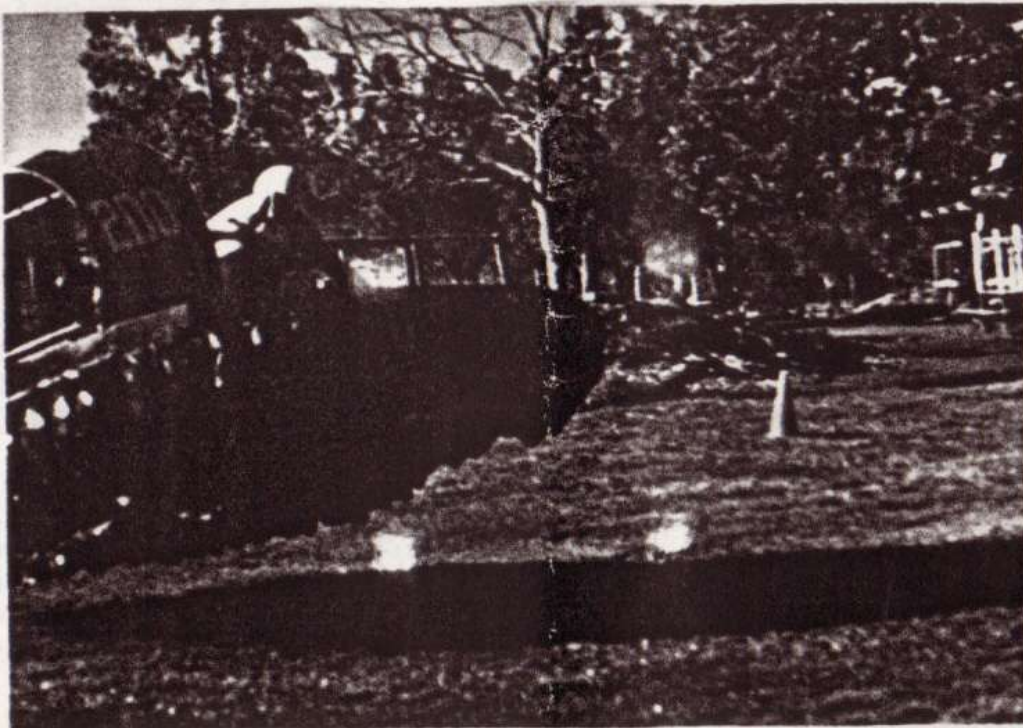
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NAME	POINTS
----	-----
ANGUS KERR	109
OWEN ELLIS	60
MURRAY RUSSELL	54

Some racing sceens from Carbrook 25th July.



Owen Ellis Turbo Razor



Angus Kerr Turbo 10s

Cruise Trip Report by Des Goss

Cruise from Colmslie Reserve to Redcliffe Sunday 2nd July 1989.

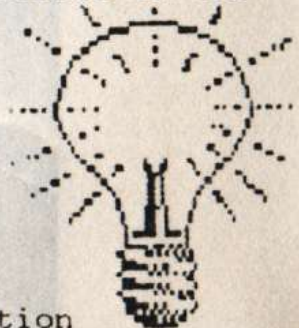
This trip was extra to the regular monthly cruise and two of our regular cruisers; Des Goss and Geoff Perry-Keene launched from Colmslie boat ramp and because of the fine conditions, set off towards the river mouth instead of heading into the protection of the river. This decision was justified when we were greeted by a mirror-like surface around Luggage Point and along Nudgee Beach with very little wind. It was ideal hovercraft weather.

We carried on by Sandgate, Brighton, Woody Point, Redcliffe and terminal at Osbourne Point. We set down at various beaches along the way and were greeted by local residents and holiday makers eager to question us on our craft and we took this opportunity to promote the club with the news sheet.

On the way back we called into Bishop Island for refreshments then finished the trouble free trip with a run along the river wave break, back to the boat ramp.

These extra trips are open to everyone who wants to come along. We decide the day before, so if you are interested, give me a ring and I will let you know if anything is planned for that weekend.

For the interest of club cooperation, no cruises will be organized on the delegated race days at Carbrook.



## Helpful Hints by John Russell

- Guidelines - Technical or operating hints etc.
- Only two hints to be put in each newsletter edition
  - Hint can be only one line or up to a maximum of 2 paragraphs
  - To have your hints included in this column, write to the Sec

1. In marine use, the Bowden throttle cables commonly used by the hovercraft fraternity, tend to corrode and consequently stick. On installation it has been found best to separate the inner and outer cables and to apply a liberal coating of wool fat or similar lubricant which will help prevent corrosion and prolong a smoother throttle.
2. When disassembling and reassembling multiwing blades and hubs, a small application of silastic will make the otherwise difficult job a lot easier. Use the silastic to adhere the locking pin to the blade root at the desired pitch angle and you shouldn't have any problems such as finding a locking pin has moved to give one blade a different pitch to all the others.

## Club Promotions

1. Ipswich Mall Static Display

Date and time to be arranged.

Contact : Wayne Summerhayse ph 2812668

2. Victoria Point Air Sea Rescue Carnival

Time : 10am Sunday 15th October 1989

Contact : Mark Dobson ph 8084395

3. Sandgate Air Sea Rescue Demonstration as rescue craft.

Date and time to be arranged.

Contact : Maxine Fyfe

Assistant Secretary & Publicity Officer

Sandgate Air Sea Rescue

ph 3576693

4. Warana Festival Static Display at City Botanic Gardens

Saturday 16th September and Sunday 17th September 1989

Contact : Kerry Partridge

Operations Co-ordinator

"Blue Skies" Weekend

Brisbane Warana Festival Ltd.

ph 2210011

or Steven Odgaard ph 2098498

5. Information Package on Light Hovercraft by Dave Wilson.

Members are invited to send articles and photographs of their hovercraft escapades for inclusion in a booklet soon to be published in Australia.

Closing date : 31st July 1989

Write to : Dave Wilson,

P.O. Box 84

Clermont, Qld. 4721



# Queensland Sporting Hovercraft

## Warana Festival 89

Brisbane Warana Festival Ltd.,  
169 Mary Street, Brisbane, Australia 4000  
G.P.O. Box 1232, Brisbane, Australia 4001  
Telephone (07) 221 0011  
Fax (07) 221 0497

June 21, 1989

Mr Steve Odgaard  
Old Amateur Sporting Hovercraft Inc  
52 Utrecht Street  
Loganholme Q 4129

Dear Steve,

I refer to our recent telephone conversation about your participation in the Warana Festival "Blue Skies" weekend. I have outlined the details below for your consideration.

The "Blue Skies" weekend will focus on the many sport and leisure activities that take place in the great outdoors. I would like your group to set up a display to promote, not only your particular organisation, but also the fun and fellowship aspect of participating in your leisure activity.

Your display could ideally include craft, photographs, equipment, audio-visuals, posters, and brochures, if appropriate.

Please note that the selling of merchandise is not permitted.

\* \* \*

LOCATION: City Botanic Gardens

The site of the weekend's activities is marked on the enclosed map.

DATES: Saturday, September 16 & Sunday, September 17

TIMES: Your display will be open between 10am and 5pm each day and must be staffed during these hours.

# Queensland Sporting Hovercraft

Old Amateur Sporting Hovercraft Inc  
"BLUE SKIES" WEEKEND

PAGE 2

## WARANA FESTIVAL WILL SUPPLY:

- . a 12ft x 12ft tent
- . tables
- . chairs
- . art panels, if required (see enclosed form)
- . the services of a security firm between 6pm on Saturday and 7am on Sunday

## ELECTRICITY:

The participants must supply their own power, if required.

## INSURANCE:

The owners of property to be used in the Festival are advised that Warana Festival is not responsible for loss or damage and that they must insure their property accordingly.

## VENUE MANAGER:

A Venue Manager will be appointed to oversee the weekend's operations.

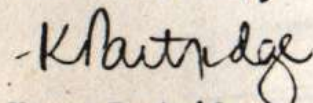
COST: A non-refundable site fee of \$50.00 (fifty dollars) is payable to Brisbane Warana Festival and must be received no later than July 31, 1989.

This weekend is designed to complement the many activities in the Gardens during the Festival. These include art and craft exhibitions, a wildlife photographic display, a children's play area, a wine bar and beer garden, food avenue and stage and free-form entertainment.

If you are interested in participating in the "Blue Skies" weekend, please complete the enclosed form and return it to this office by June 28, 1989.

If you have any questions, please do not hesitate to contact me. Thank you for your time and enthusiasm.

Yours sincerely,








Kerry Partridge  
Operations Co-ordinator

encl.

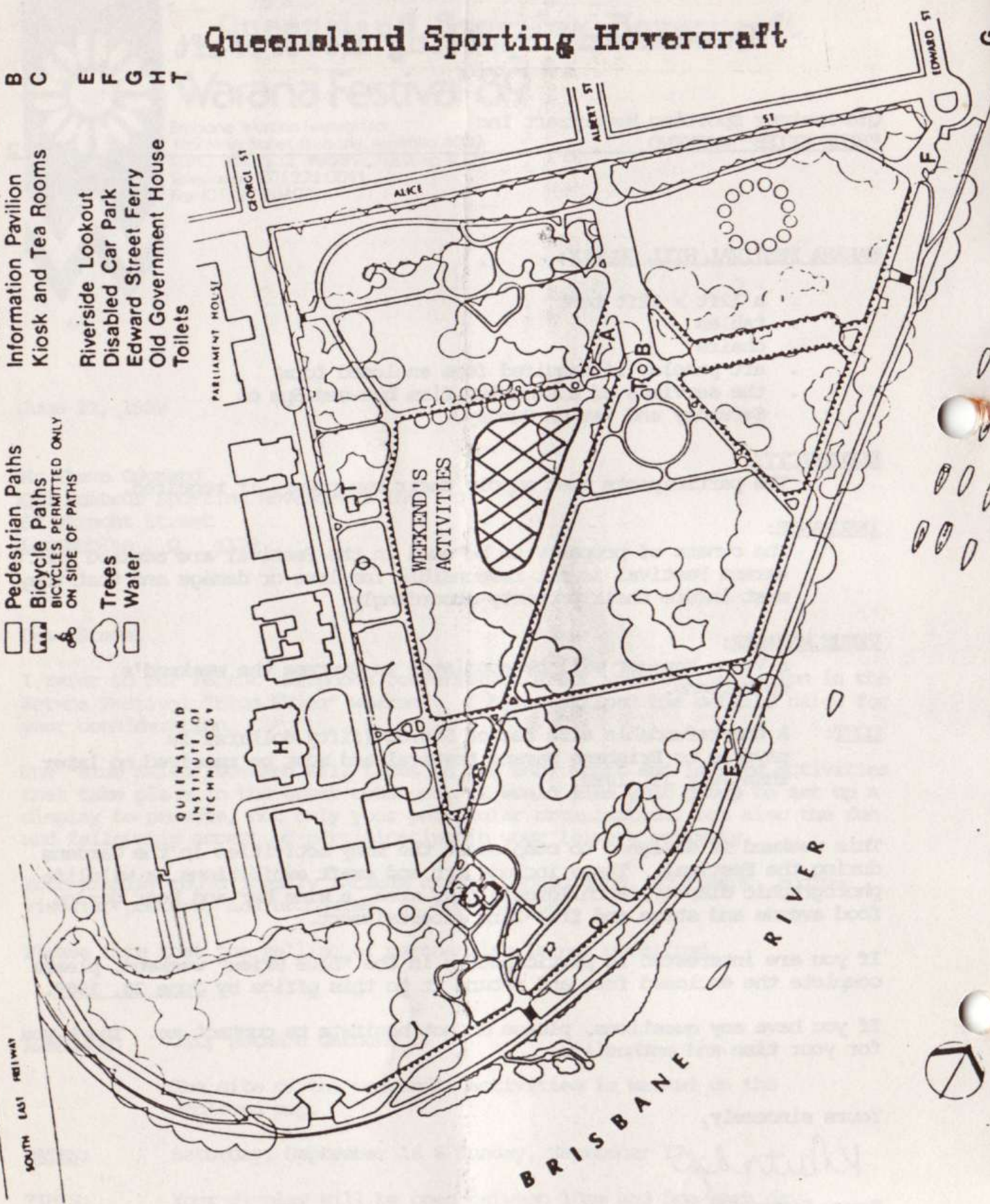
# Queensland Sporting Hovercraft

## LEGEND

-  Grass
-  Pedestrian Paths
-  Bicycle Paths  
BICYCLES PERMITTED ONLY  
ON SIDE OF PATHS
-  Trees
-  Water

## REFERENCE

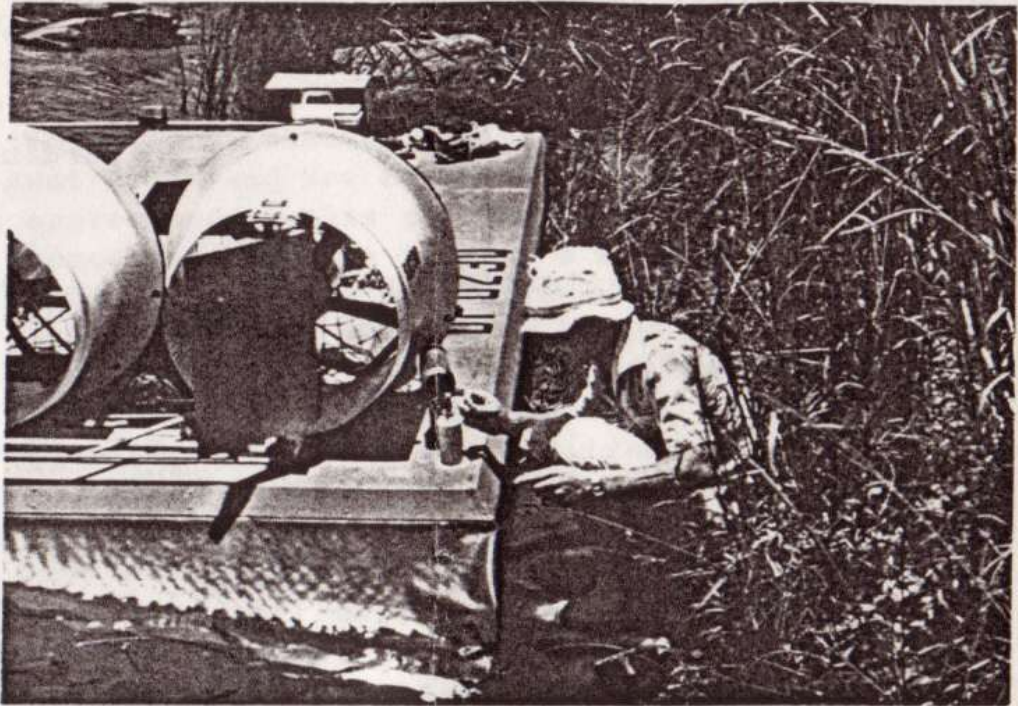
- A Gardens Directory Board
- B Information Pavilion
- C Kiosk and Tea Rooms
- E Riverside Lookout
- F Disabled Car Park
- G Edward Street Ferry
- H Old Government House
- T Toilets



SERIES ON HOVERCRAFT SKIRTS No 9.

=====

The BIG Problem with Bag Skirts !!!



A crocodile's view of a hovercraft seamster.



Next month,

Series number 10 will be the first chapter on finger skirts.

# Queensland Sporting Hovercraft

## The Secretary

Qld. Sporting Hovercraft Inc.  
Stephen Odgaard  
52 Utrecht Street  
Loganholme 4129 Qld.

## Dave Wilson

P.O. Box 84  
Clermont  
4721  
Qld.  
23rd June 1989

Dear Steve,

I am writing an Information Package on light hovercraft. I decided to start the project a couple of years ago when I became frustrated at the reluctance of those in the know, to release information on the subject through sheer greed.

I know now that it is possible to get construction guides and other information from overseas clubs but where do I get skirt material for example, props or fans, engines and transmission components, it's nice to have a choice isn't it? Some of the technical information may seem familiar but design rules, general guidelines, safety precautions, formulae and construction techniques etc., are all pretty uniform throughout the world so I'm not pinching anyones ideas, and in any case, most of the material is mine as a result of inquiry or experiment, particularly the fan/propeller section that currently packs about 45 pages.

Included in the package is a brief history of the earliest machines (Just For The Record), but the main focus is on the design and construction of modern sporting craft under 1000kg.

It should be available in plenty of time for the summer months at reasonable cost and will resemble your newsletter in size (although it will be much thicker).

Currently there are at least 145 pages in 41 Sections and approximately 40,000 words, with photos, sketches, graphs and formulae etc.; there will also be a world contact Section complete with names addresses and phone numbers, a bonus in itself?

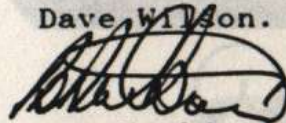
At the moment I am awaiting replies from Clubs and Organisations all over the world that have been given the opportunity to advertise free of charge in the package. That same offer applies to members of our Club or any other person that wishes to bring information on the sport to the attention of enthusiasts without having to pay through the nose. Adverts will probably end up uniform at 65 x 40mm high (actual) and only one advert is allowed per subscriber. Comprehensive information on products independent of adverts should be included and excerpts may be included in the actual package.

# Queensland Sporting Hovercraft

The current Index follows, and I would appreciate comments from anyone who thinks I have omitted a vital Chapter or two. Reading the Index may also jog the readers memory since I am also seeking interesting and amusing short snippets that I can include to make reading a bit less technical, particularly hints on craft improvements that were either planned or came about by accident. Australian and New Zealand Clubs are the only ones that have been approached in this respect and every bit helps. So, heres the chance for everyone to make a contribution to an Information Package that will put Australia in the limelight after 30 years of hovering, as well as help to bring everyone involved in the sport together as a team in the real sense and not just exclusive factions. This is not a commercial venture and will be a one off at this stage. All I want to do is recover my expenses.

Yours sincerely

Dave Wilson.

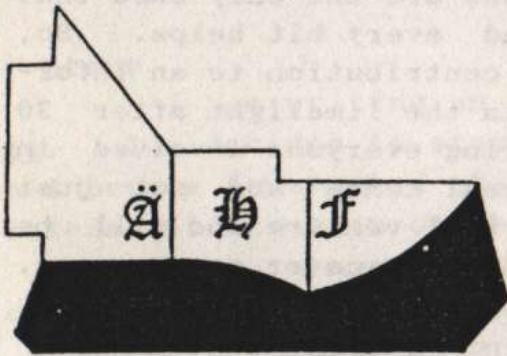


How To Use This Information  
Just For The Record  
Now For The Bad News  
Principles Of Flight  
Construction Methods  
Designing The Hull  
Newton  
Drag  
The Skirt  
Rudders and Elevators  
Stopping  
Bouyancy  
Two Stroke Exhausts  
Transmission  
Controls  
Frames  
Design Information Graphs  
Licensing  
Glossary  
Conversion Charts  
Contacts (worldwide)

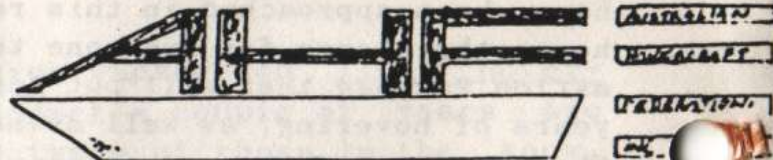
The Secret World Of Hovercraft  
Let's Build a Hovercraft Dad?  
Operating Factors  
Current Design Rules  
Wood Epoxy Construction  
Centre Of Gravity  
Fans and Props  
Stability  
Steering  
Driving  
Operating In Adverse Conditions  
Power Plants  
Electrics  
Guards  
Trailers  
Ducts  
Design Planners  
Pre-Flight Checks  
Safety  
Geometric Drawings and Fomulae  
Index

Here is a list of Logos submitted by talented people from all over Australia. One of these will be the official emblem for the newly formed Australian Hovercraft Federation Inc. There are presently three member states to the Federation: Vic, SA & Qld. and each state has been asked to make a choice.

Please select your favourite and let us know at the next general meeting.



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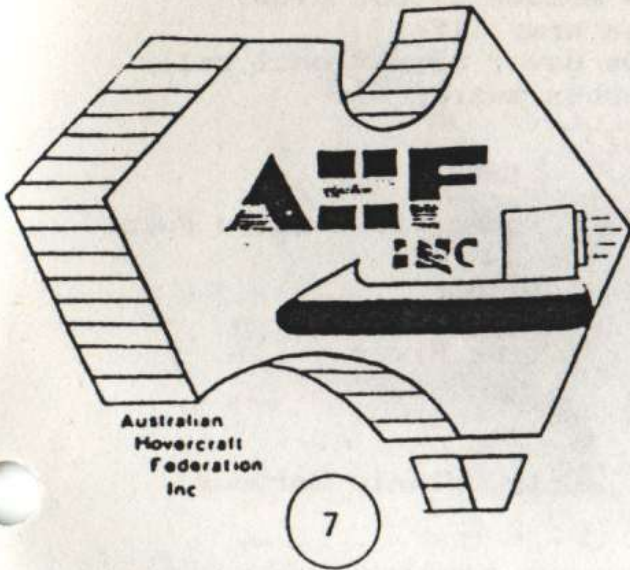
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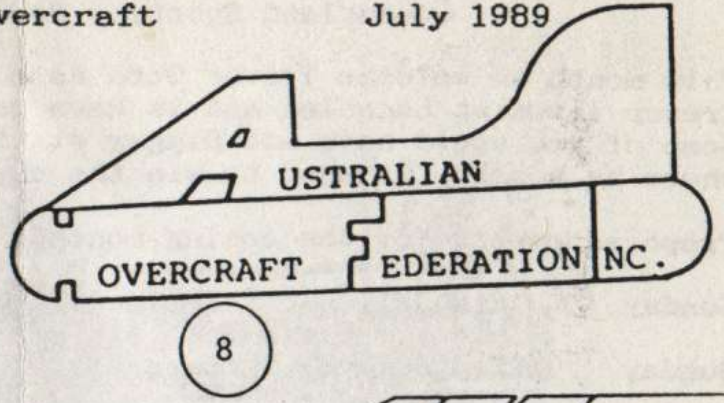
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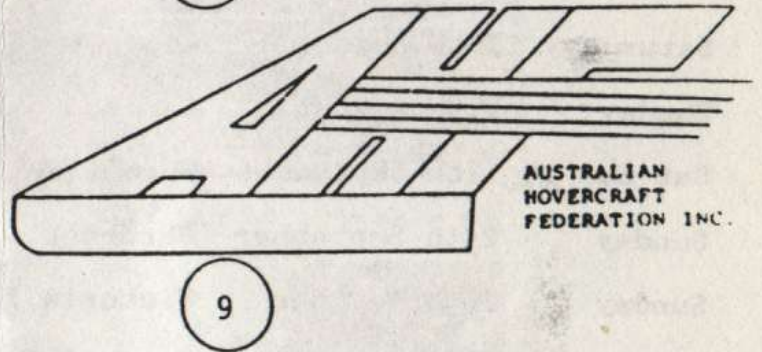
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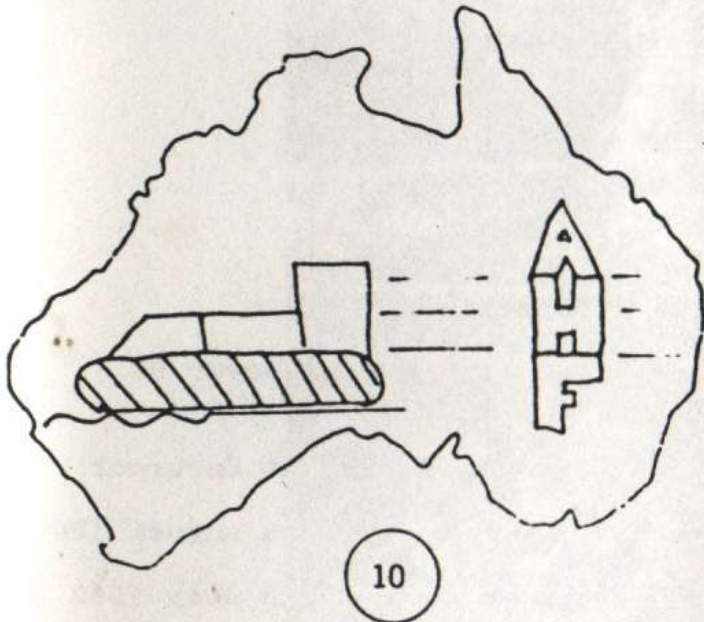
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12



13

This month we welcome Trevor Otto as a new member to our club. Trevor lives at Loganlea and is keen on the army life. Some of you would have met Digger at the Oz Hover 89 national rally where he somehow managed to win the chatterbox award.

Proposed events for the coming months:

Sunday	16th July	Redland Bay to Jumpinpin via Canaipa Point
Sunday	23rd July	Carbrook
Saturday	19th August	Kholo Bridge - Brisbane River
Sunday	27th August	Carbrook
Sat-Sun	16-17th September	Warana Festival City Botanic Gardens
Sunday	24th September	Carbrook
Sunday	15th October	Victoria Point Air Sea Rescue Carnival
Saturday	21st October	Toorbul Pt to Caloundra
Sunday	29th October	Carbrook
Sunday	19th November	Cabbage Tree Pt to Pt Lookout
Sunday	26th November	Carbrook
Sunday	17th December	Carbrook ( Qld Championship )
Fri-Sun	26-28th January	Lake Cargelligo Central NSW ( Oz hover 90 )

The 6th race meeting is scheduled for Sunday 23rd July 1989 at Carbrook.

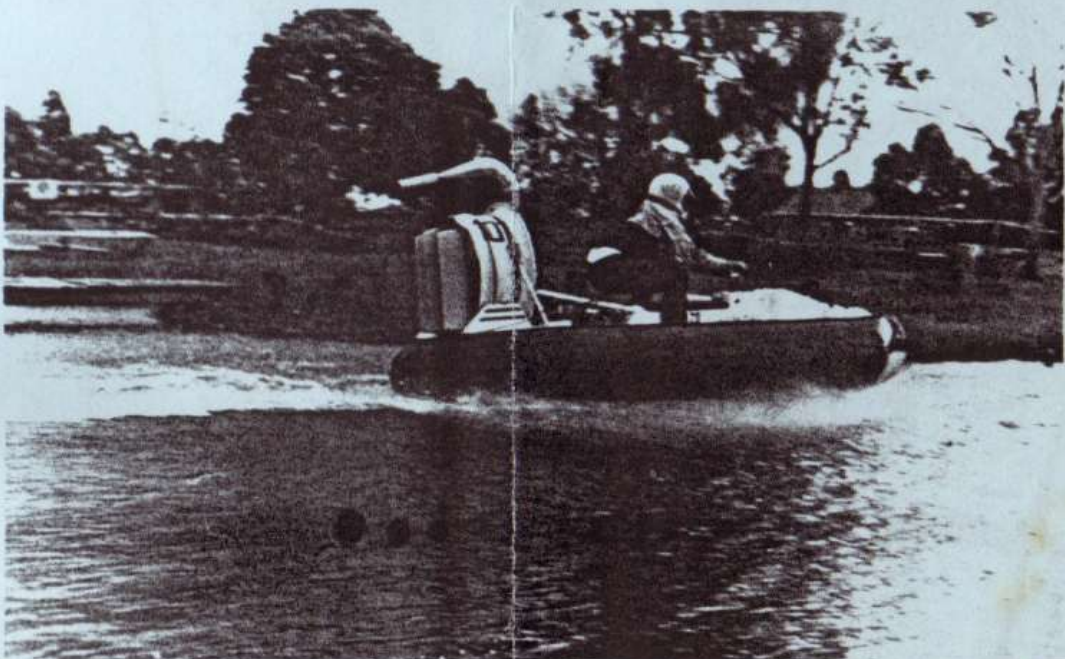
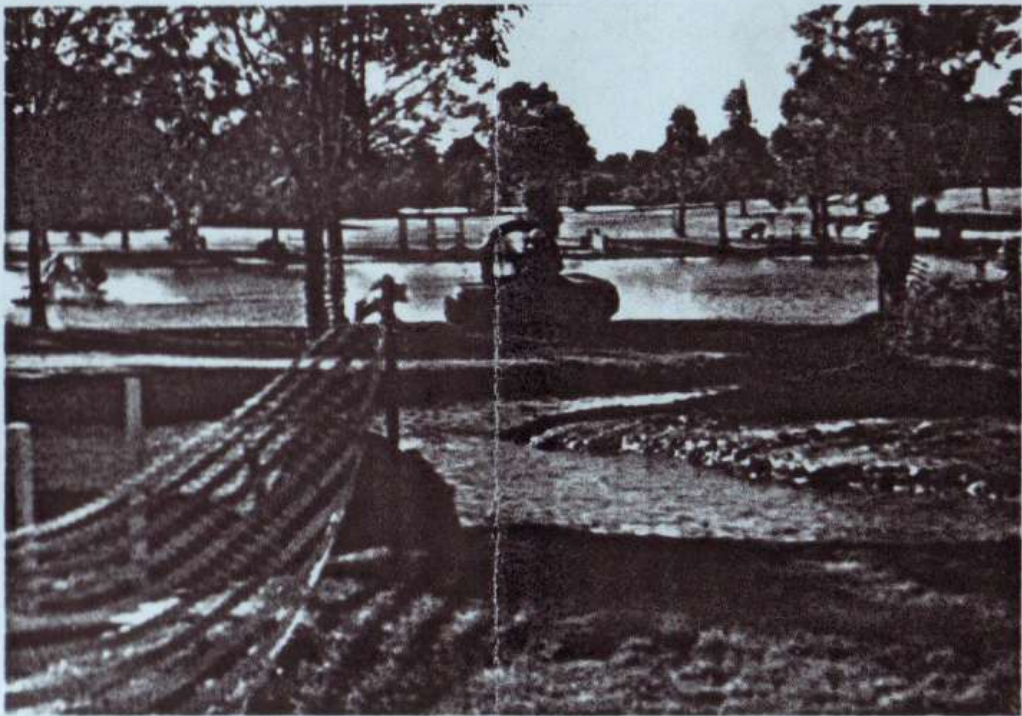
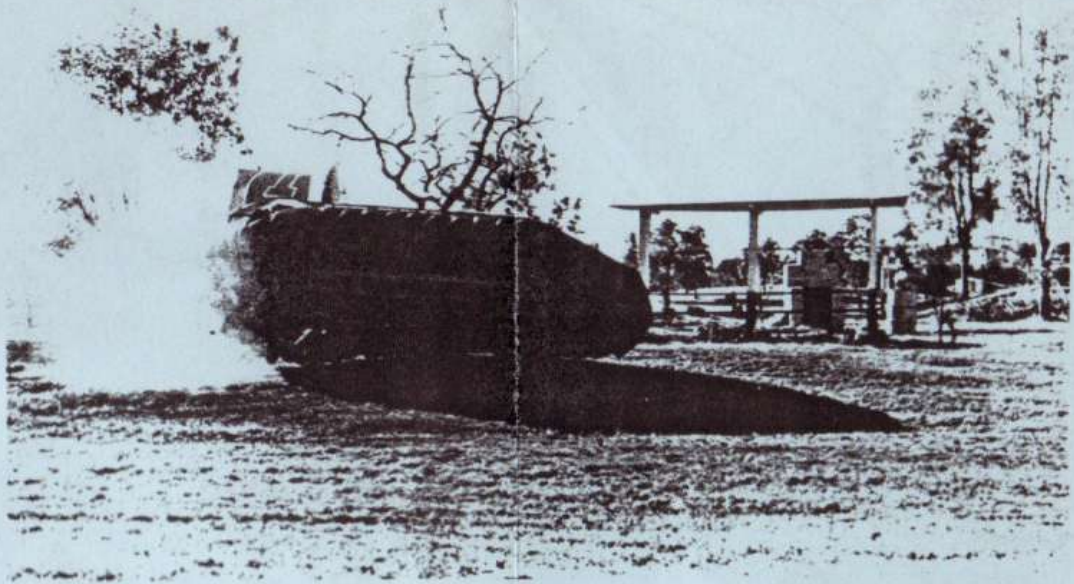
The 4th Annual General Meeting has been set for Wednesday 23rd August 1989.

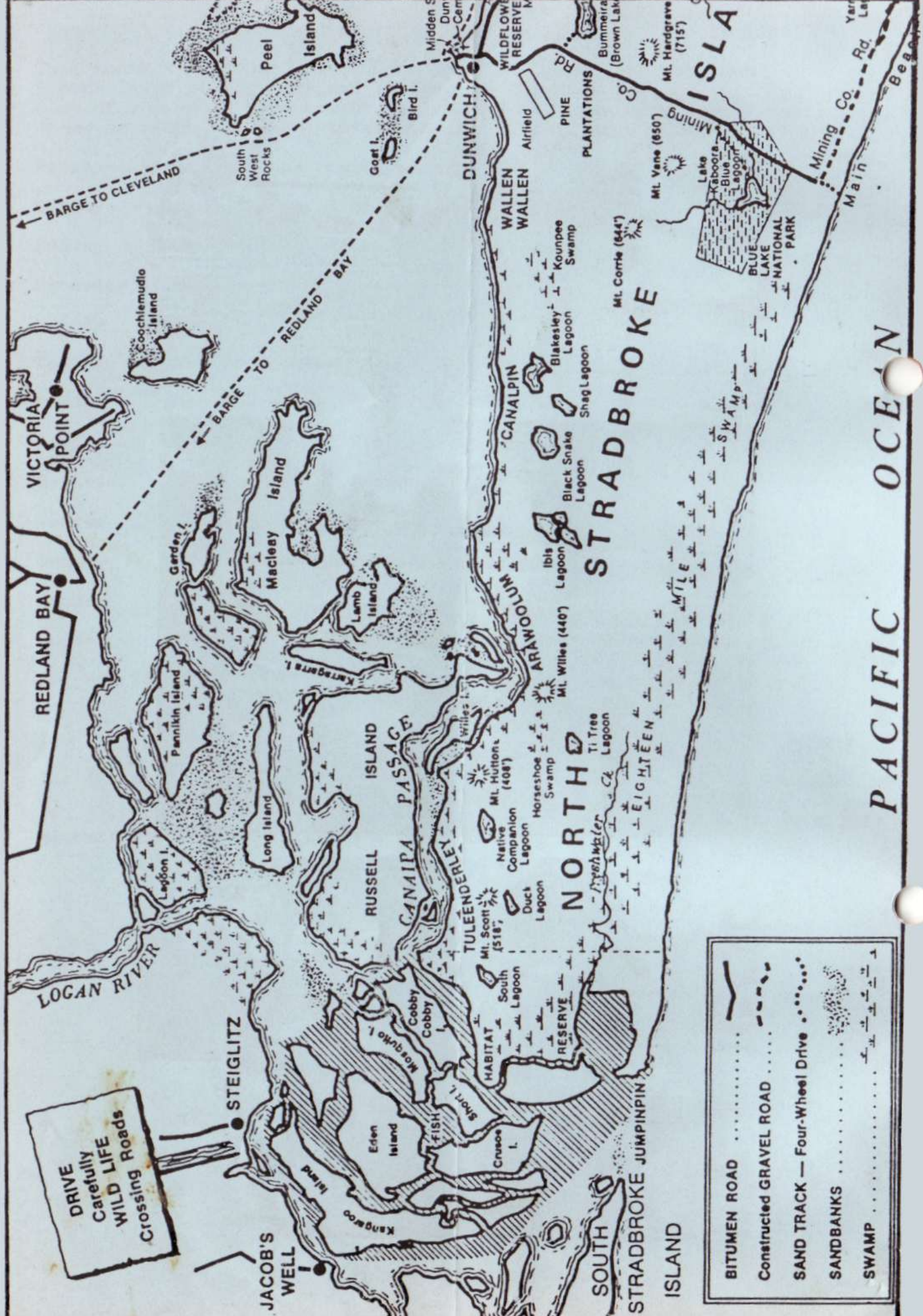
The 24th general meeting is convened for 7-30pm Wednesday 19th July 1989 at Archerfield Airport in the S.A.A.A. building.

Steven Odgaard  
sec.

## Advertisements

For Sale Quatro Ventura  
White, grey and blue  
16 ft 4 seater ( 2 bench seats )  
Engine 12A rotary 163 hp @ 7,400 rpm  
Fans 2 x 800mm 12 bladed 40 deg pitch integrated lift  
Control 6 elevators and 6 rudders  
With trailer  
Perfect condition Negotiable price  
Contact John Rapley ph 2872768





**DRIVE**  
Carefully  
WILD LIFE  
Crossing Roads

BITUMEN ROAD	.....
Constructed GRAVEL ROAD	.....
SAND TRACK — Four-Wheel Drive	.....
SANDBANKS	.....
SWAMP	.....

PACIFIC OCEAN

STRADBROKE

NORTH

SOUTH  
STRADBROKE JUMPINPIN  
ISLAND

BARGE TO CLEVELAND

BARGE TO REDLAND BAY

REDLAND BAY

LOGAN RIVER

STEIGLITZ

JACOB'S WELL

DUNWICH

WALLEN WALLEN

CANALPIN

ARYMOOLUM

RUSSELL ISLAND  
CANAIPIA PASSAGE

TULEENERLEY

HABITAT RESERVE

South Lagoon

North Lagoon

Eighteen Mile Lagoon

Crusee Lagoon

Eden Island

South Island

Blue Lake National Park

Blue Lake Lagoon

Macleay Lagoon

Blakesley Lagoon

Black Snake Lagoon

Ibis Lagoon

Shag Lagoon

Wattle Lagoon

ML Vane (650)

ML Corrie (644)

ML Willes (440)

ML Hutton (408)

ML Scott (518)

Native Companion Lagoon

Duck Lagoon

Horseshoe Swamp

Wattle Lagoon

Wattle Lagoon

Wattle Lagoon

Wattle Lagoon

Wattle Lagoon

Wattle Lagoon

WILDFLOWER RESERVE

PLANTATIONS

PINE PLANTATIONS

Co. Rd.

Co. Rd.

Main

Co. Rd.

Co. Rd.

Co. Rd.

Co. Rd.