

Letter from the Editor

Well this is the last edition of HUFF this year - hope you've enjoyed them. I have to say it hasn't been an easy year for me doing the newsletter and the OzHPV Web site but I can't finish the year without acknowledging a few people. It isn't always so obvious but there are many people doing work behind the scenes to keep OzHPV functioning. I would particularly like to mention the efforts of Ian Humphries and Steve Nurse, both of which have been of great encouragement to me and are very much involved with helping out with OzHPV activities. Paul & Lindsay Segal have now resigned as Secretary and Membership Officer - they've been doing that for as long as I have known OzHPV and their effort is very much appreciated along with Chris Curtis stepping in to fill the role till we can vote new ones in at the AGM.

There's more to mention but no more space so thanks to all for your efforts this year both with HUFF and OzHPV.

Timothy Smith

News in Brief

In late September 2000 the Burnie TAFE Skycycle (Human Powered Aircraft) was transported out to Wynyard airport for an attempted flight. After assembly a fault was found with one of the wings so no flights were made. This project has been a little sidetracked with the building of a full size flying replica Bleriot XI by the engineering section of TAFE so it's good to see them still progressing now.

Bicycling Australia Show 2000

Held on Sunday October 15th at the Exhibition Buildings, Nicholson St. Carlton Victoria.

<http://www.bicyclingaustralia.com/>

When you get about 130 different companies and groups under one roof and all representing a bike/human powered vehicle product, you have got yourself the biggest bike show in Australia. The show is held every year with Sydney and Melbourne taking turns to host. Two days of the show were for bike industry people (bike shop owners and mechanics, tour operators, hire operators) and one day was

for the general public. People got to see a huge range of stuff: small wheel scooters, electric scooters, powered bikes, recumbents, skateboards, folding bikes, regions promoting cycling in their area, software for bike shop computers, parts manufacturers, magazines etc. are all represented. Lots of giveaway posters and catalogues, even a few trinkets and keyrings.

HPV stands at the show were Reynard Enterprises (Bike -E, Lightning, Comfort Cycle and

Rans agent), Trisled and Greenspeed, and they were there mostly for the public day and the opportunity to show off their recumbents to a bike-enthusiast public. Heaps of other stands were interesting even to a one eyed, two-wheeled recumbent enthusiast. (I was on the Reynard stand showing off a new bike I have designed, see the Bike Chameleon article)

Following is a short list of the better stands and areas.

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Test Track

An open area where people get to ride around on samples of manufacturer's bikes. It was grouse: when I was up there, Greenspeeds, the Reynard pedal car, mountain bikes, electric bikes and scooters were all available for test. The Reynard



Bike E on the test track

Pedal car was a delight, done up as a 1920's sports car, it is a sociable tandem with one gear, hand brake, freewheel and doors that open and shut. On the Sunday (Public Day) I was helping people to set up and ride the Bike - E's and Rans bikes, people tended to ride them out of curiosity at first and then find that they actually like them. Trisled, Greenspeed and Rans/Bike-E were in almost constant use on the test track and this led to a few buckled wheels and flat tyres. This is all par for the course and if you want people to like your bikes, you have to let the ride.

Pacific Cycles

This Taiwanese manufacturer had only one type of bike on their stand: the Birdy full suspension folding bike originally made by Riese and Muller. They were looking for a distributor of the bike in Australia and apparently found one. A few keen cyclists from the BFA (Australian Cyclist) stand snapped them up for about \$1100.



Birdy Folders on the Pacific Cycles Stand.

Zeva

One of the three or four manufacturers emphasising electric-assist bikes. They have a proprietary battery charger and battery electronics and are developing the bikes in Sydney.



Electric assist Zeva

Cruiser bikes and BMX

Some of the more extreme bikes at the show were stunt-BMX's



Penny farthing and WW1 spring tyred bike on the BFA stand

(which didn't even have a seat, you are meant to spend all your time doing stunts and stuff) and cruiser bikes which varied from the vaguely practical like the one shown in the photo to the downright ridiculous, non functional dragster type. At least they're a bit different!



GT Cruiser: Relatively practical!

Jakindi

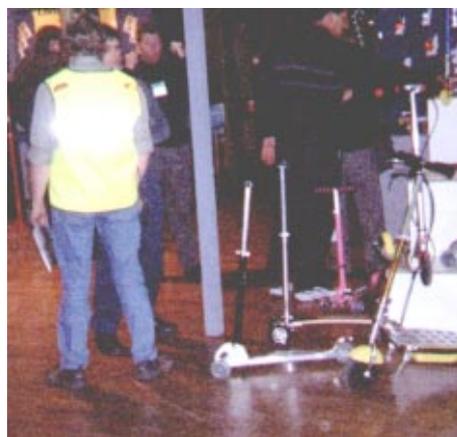
This company is developing and selling a bike jacket with indicator lights on the shoulders and a battery concealed inside. Their Reps could be seen wandering the halls wearing the jackets, indicating away like anything. An aussie company giving it a go.



The Reynard Pedal Car - Grouse

Overall the show was very enjoyable, I met a lot of people I knew and may even have persuaded a few to come up to the Challenge. Got home on Sunday exhausted though!

Steve Nurse



Jacket with indicators from Jacindi.

Bike Chameleon.

This is a bike type I have developed and made patent and trademark applications for.

After making a "Moulton-Tandem" style bike, (based on Malvern-Star folders which split in the middle) I had a think about the design and realised that a similar bike could be made using two identical frames if the split was in a different place. (behind the seatpost / in front of the headstem)



Note the hole in the frame: cutouts were filled in with plates when the bike with cutouts was found to be too weak. Lots of work!

The idea for a new bike was born and I spent a while sketching and doodling.. the new bike could become a recumbent.. or a load carrier if there were a link between the two forks on a two framed bike.

A provisional patent application followed and

Shimano and Velocity donated parts to help me build the thing soon after. Building the bike took a long time and included getting the frame laser-cut. Special thanks to Adrian Gotts who did the Mig Welding for next to nothing.

Once I had the first (wedgie) bike type ready the pace picked up and for a while I was rolling out one new version of the bike each week. This took several 2 am stints in the shed and I've made a recent discovery that enamel paint dries a lot quicker when put on metal still warm from oxy-welding!



Steve Nurse with the bike as a load carrier: a link rod joins the front forks to the handlebars. Add front handle bars and remove the basket and you have a "stoker-steers" tandem.

I want to emphasise the load carrying and steer-from-the-back tandem designs, as these have the most potential.

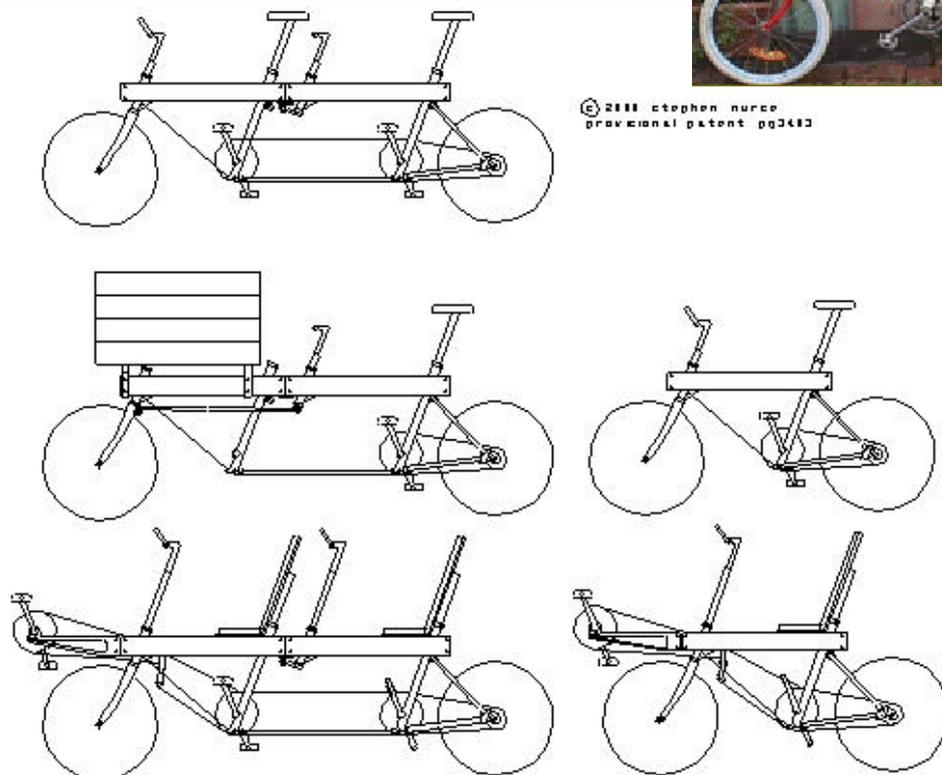
So if you are against a large black beast of a bike at the shopping race in Shepparton, you are probably about to overtake the Bike Chameleon.

Steve Nurse - <http://www.eisa.net.au/~cesnur/>



© 2000 Stephen Nurse provisional patent 003413

It all started with this conversion of two Malvern Star folders into a tandem. New bike shares much of the geometry of the Malvern Star.



Some of the "chameleon" bike types

Australian HPV Suppliers

It is a surprise to many to find out just how many HPV related outlets there are here in Australia. Many are also trading on the Internet and do quite a lot of business that way I believe. For several years now I've been receiving several Internet Mailing Lists relating to HPV's and Greenspeed would have to be mentioned almost daily. Their reputation there is of the highest degree and is bolstered even more by Ian Sim's participation in the discussions.

It's hard to know what suppliers to list as HPV's cover a wide spectrum of machines. Of course the normal diamond frame cycles are HPV's along with the now very popular scooters but for this review I have limited it all to recumbent cycles or related components. (with the exception of Push Power)

In the past few years there has been many new suppliers, not all trading now. We've noticed a change in steering design on many of the new trikes with Trisled, Mr Components and Hotmover all using a direct-on-the-kingpin mounted handlebars. This not only makes for a light and simple system but also allows for cheaper (but still strong) V brakes to be used instead of integral drum or disk braked wheels.

ACT Bike Warehouse

Import a limited number of the Wavey recumbents. The Wavey is a German design by Velotechnik in Germany but manufactured in Taiwan.

<http://www.bikewarehouse.com.au>
info@bikewarehouse.com.au
 20-24 Essington Street Mitchell
 (02) 6241-7987



The Wavey

Canberra Cycles is the local ACT Dealer for Greenspeed and Wayne Kotzur's HPV's as well as for "Encyclopedia" and "Bike Culture Quarterly".

70 Newcastle St. Fyshwick, ACT Phone 06 280 4984
 Fax 06 239 1257
ccycless@enternet.com.au

Cycle Science

Cycle Science offers a diverse range of machines including vehicles for racing and fast sport riding, leisurely tours, commuting, cruising the neighbourhood or even load carrying for work. All vehicles are designed so they can be transported by motor vehicle if necessary and they also carry out special one off custom designs and can be shipped all over the world. Most of the machines can also be purchased as a frame kit.

Price ranges from \$2395 Breeze (bike) - \$3322 Sirocco (trike).



Breeze, a compact long wheelbase recumbent bike.

Peter Holloway
freedomhpvs@internex.net.au
<http://home.internex.net.au/~freedhpv/>
 478 White Horse Rd, Mitchem, 3132
 Phone 03 9874 8033
 fax 03 9874 8442

Greenspeed

Greenspeed has available a wide range of recumbent cycles, and are mostly known for their excellent trikes, both single rider and tandem. All are the tadpole style (2 front wheels, 1 back) although we have heard of a delta prototype being tested earlier on in the year. Most are foot powered but they also venture into hand powered and hand/foot combinations and offer building plans for many of their machines.



GTT tandem trike

In the adult range prices go from \$3400 for the 21 speed GT20 commuter trike up to \$7900 for the 72 speed GTT tandem trike although this will vary depending the specifications needed.

Ian Sims
 69 Mountain Gate Drive, Ferntree Gully, VIC 3156,
 AUSTRALIA, info@greenspeed.com.au
<http://www.greenspeed.com.au/>
 Phone:- 03 9753 3644, Fax:- 03 9753 2027

Hotmover Trikes

The new kid-on-the-block, Hotmover is selling both from New Zealand and Australia. Hamish Gale is also active on the HPV internet mailing lists and reported recently they have a fairing to go with their machines. price ~ \$2600. Hamish Gale, Brisbane Phone 0407 699112,

<http://www.hotmover.com/>
 email:sales@hotmover.com



Hotmover trike with its plexiglass canopy at Interbike 2000.

Lizard of Oz - Recumbent Cycles

Importer of Vision Recumbent Cycles. Vision VR-40, VR-42 and VR-30 metro. Prices range from \$2983 VR40EU to 5,433 VR44EUF

Erik E. Vandamme
erikvand@terrigal.net.au

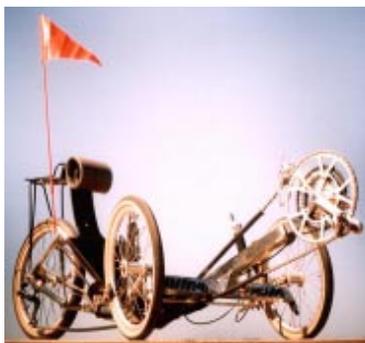
54 Hilltop Road WAMBERAL NSW 2260
(Central Coast of NSW) Call 02 43843613
<http://www.terrigal.net.au/~erikvand/>



Vision bike

Mr Components

Makers of the Swift line of recumbent trikes. The Swift has many similarities to the Trisled in design, the use of square tubing making it at least visibly a little different.



'Ultra' Swift trike

Michael Rogan
678 Stumpy Gully Road
Hastings Vic 3915
Australia

Phone: 5983 5886
Fax: 5983 5896

<http://www.peninsula.starway.net.au/~mrogan/>
Email: mrogan@peninsula.hotkey.net.au

Push Power Australia

Not the conventional scooter. Prices range from \$399 City Cruiser - \$499 Sport Classic.

39 Cambridge Street West End QLD 4101, ph: 61 7 32172742, fax: 61 7 3844 7533, Email: info@pushpower.com.au
<http://www.pushpower.com.au/>

The Kickbike Sport Classic



Reynard Enterprises Recumbent Bicycles

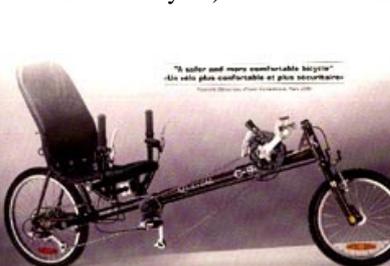
REYNARD has bikeE's available for hire and sale and also sell RansRocket SWB (Short wheel base recumbent) of Hays Kansas U.S.A, Quetzal C-90 by Procycle of Canada LWB (Long wheel base recumbent bicycle) with a Tribi Kit (tricycle conversion assembly) , Tour Easy Replica, Rowbike, & Comfortcycle Chaise.

Jeff Fox
12 Brookes Cresent
Macedon 3440
Phone/Fax (03) 5426 1655
Email: jeff@recumbentcycles.au.com
<http://www.recumbentcycles.com.au/>



BikeE

Quetzal C-90 by Procycle of Canada LWB (Long wheel base recumbent bicycle) with a Tribi Kit (tricycle conversion assembly) , Tour Easy Replica, Rowbike, & Comfortcycle Chaise.



QUETZAL C-90

Reflex Fairings

These guys have a part-time family business consulting, restoring fibreglass sports cars, designing and racing HPV/Hybrid teams and building fairings. Prices range from \$2620 - \$2980.

Don Elliot
D & H Enterprises Pty Ltd
RMB 6315/156 Bittern Dromana Rd
Merricks North Victoria 3926
Ph (059) 897 296
Fax (03) 59897576



Reflex fairing on 'Southern Alliance'

Tempo Worldwide Pty Ltd

Looking at their product range they appear to sell mainly cycles for people with a disability. All are handbuilt and custom machines can be ordered.

6 Pinnacle St, Brendale, Queensland 4500
Ph: (07) 3881 1104



Tempo Trike

Trisled Recumbents

Each machine is hand crafted with the customers size, shape, wants, needs, and intended use all taken into account. Trisled currently has four standard models on offer and can also create your design or



adapt a standard design to your needs, both in high tensile steel (a lot cheaper but heavier) and cromolly. They also have currently under development a tandem trike that has an extra seat for a child & bike.

Prices range from \$1800 Hi Tensile Cool Cruza - \$2750 Cromolly Kickback.

Ben Goodall

Trisled@start.com.au

<http://www.trisled.com.au/>

57 Boundary Road, Dromana, Victoria, Australia, 3936, Ph 03 5987 2696 Mobile 0412 220 854

Wayne Kotzur

Our present OzHPV president and often referred to as the Bikeecologist, Wayne's a framebuilder and will custom build almost anything human powered including recumbent bikes, trikes and HPVs. He's been known to put together HPB's & Penny

Farthings and was rumoured to supply some of the human powered machines for the recent Sydney



Kotzur folding trike

Olympic games.

12 Harp St Gundaroo, NSW, 2620, Ph/fax 02 6236 8265 work 02 6236 8203 home

wkotzur@dynamite.com.au

Wilson Bikes

A new Victorian recumbent bike builder offering at present a hand-built 21 speed ASS bike with remote steering.

Peter Wilson

12 Brennand St. Fitzroy

North Vic 3068

Phone 94826704



<http://www.wilsonbikes.com/>

OzHPV Internet Mailing List

I have taken the liberty of establishing an OzHPV discussion group on egroups.com. You'll have to register with egroups.com to join, but once you have joined, any messages sent to ozhvp@egroups.com will be forwarded to you.

The addresses you need to know are:

Post message: ozhvp@egroups.com

Subscribe: ozhvp-subscribe@egroups.com

Unsubscribe: ozhvp-unsubscribe@egroups.com

List owner: ozhvp-owner@egroups.com

URL to group page: <http://www.egroups.com/group/ozhvp>

If people join the list it might help the club communications.

At the annual general meeting last year we talked about holding some sort of electronic meeting but no-one ever did anything about it. Using egroups is a fairly painless way of starting out. If there are a couple of others who think it is a good idea, I'll publicise it more widely on the hpv and trikes lists and try to flush out some more members.

From other egroups lists I am on, they seem to do a reasonable job of protecting the privacy of email addresses. Cheers! **Chris Curtis**

Email: 0112@hotmail.com

Australiasian HPV Club Internet Sites

OzHPV

<http://sunsite.anu.edu.au/community/ozhvp/index.htm>

Queensland HPV Enthusiasts

<http://sunsite.anu.edu.au/community/ozhvp/qldhpv/index.htm>

Melbourne Recumbent Riders

<http://home.vicnet.net.au/~vichpv/>

Western Australian HPV

<http://users.wantree.com.au/~ocean/cycling/wahpv/index.html>

Sydney Recumbent Riders

<http://sunsite.anu.edu.au/community/ozhvp/srriders.htm>

Shoalhaven Recumbent Riders

<http://www.geocities.com/HotSprings/Bath/1913/index.html>

Tasmanian HPV Enthusiast Group

<http://sunsite.anu.edu.au/community/ozhvp/tas/index.htm>

HPV Canterbury - Christchurch, New Zealand

<http://www.converge.org.nz/hpvcantebury/>

OzHPV Financial Report by Duncan Cleland

1999 financial year

Balance Sheet

ASSETS

Cash and Bank Accounts	
OZ HPV Raffle	1,877.72
OzHPV Acc 68 638-2698	871.96
TOTAL Cash and Bank Accounts	2,749.68

TOTAL ASSETS 2,749.68

LIABILITIES & EQUITY

LIABILITIES	0
EQUITY	2,749.68

TOTAL LIABILITIES & EQUITY 2,749.68

Profit & Loss statement 1/07/98-

INCOME

6 Hour Ride Event:	
6 Hour Canteen	40.25
Entry Fees for 6 Hr Event	240
6 Hour Ride Event-Other	238.28
TOTAL 6 Hour Ride Event	518.53
Challenge	1,350.00
Huff Advertising	100
Interest income	3.68
Membership	540
Sponsorship Donations	400
Funding from Sponsor	750

TOTAL INCOME 3,662.21

EXPENSES

OzHPV 6 Hour Bike Ride	1,119.59
Bank charges, fees....	17.67
Challenge Expenses	1,852.08
Equipment	309.75
Government Charges	43.67
Insurance	530
Postage	196.55
Printing & Stationery	308

TOTAL EXPENSES 4,377.31

TOTAL INCOME - EXPENSES -715.1

2000 financial year

Balance Sheet

30/06/'00
Acct Balance

ASSETS

Cash and Bank Accounts	
OZ HPV Raffle	0
OzHPV Acc 68 638-2698	2,363.91

TOTAL Cash and Bank Accounts 2,363.91

TOTAL ASSETS 2,363.91

LIABILITIES & EQUITY

LIABILITIES	0
EQUITY	2,363.91

TOTAL LIABILITIES & EQUITY 2,363.91

Profit & Loss statement.

1/07/99 - 30/06/'00

INCOME

Challenge	1,217.15
Interest income	2.47
Membership	972

TOTAL INCOME 2,191.62

EXPENSES

Bank charges, fees....	37.34
Challenge Expenses	1,433.50
Equipment	29.95
Insurance	522
Postage	253.45
Printing & Stationery	301.15

TOTAL EXPENSES 2,577.39

TOTAL INCOME - EXPENSES -385.77

Coming Events

The Australian International Pedal Prix

Sunday November 12th 2000: 3 Hour Pedal Prix at Festival of Cycling, Bonython Park, Adelaide.

<http://www.nexus.edu.au/TeachStud/aipp/>

Greenspeed OzHPV Challenge 2000

The challenge to be held on 11/12 Nov. in Shepparton, 200k North of Melbourne. First Day of events to be held at Deca, a closed circuit on the outskirts of Shepparton. Second day to be held in a Pedestrian Mall in the centre of town.

An AGM will be held at the Challenge, scheduled to be held at a pub in Shepparton on the Saturday night. Elections will be held - We are in desperate need of some people to help out so please consider if it's possible for you to fulfil a role.

(Ed This was sent to me in relation to people flying in to Melbourne before going to the Challenge) Trains to Shepparton stop at Broadmeadows Station, about 7k from the Melbourne Airport. A train leaves Broadmeadows for Shepparton at 6:34 pm on Friday 10 November, arriving Shepparton 8:30 pm. (but ring 136196 or 1902210858 to confirm) Trains leave Shepparton 5:45 Sunday, 7:10am Monday, 2:55pm Monday. Steve Nurse offers to send anyone interested in arriving by plane and train a Shepparton map and a map showing the route between the airport and Broadmeadows station. Phone 94818290 email cesnur@eisa.net.au

The Shepparton map is also available from the Ozhpv website at <http://sunsite.anu.edu.au/community/ozhpv/shepmap.jpg>

Our Sponsors

Ian Sims from Greenspeed has come on board as our major "Gold" sponsor for this event. This means that the largest cost of running the event in Shepparton (hire of the Deca course) has been met. Greenspeed now have naming rights to the event, so the event is now renamed the **Greenspeed OzHPV Challenge 2000**.

Mr Components has agreed to be a supporting "silver" sponsor donating \$500 and gets naming rights to the shopping race.

Bronze" style sponsors include Wayne Kotzur donating \$200 for running costs, Trisled are sponsoring one race - yet to be decided but twin drags was one suggestion.

Velocity is also a "Bronze" style sponsor, donating Rims, water bottles and bottle cages to be used as prizes. Velocity are most supportive of HPV's and HPV racing and deserve your support.

<http://sunsite.anu.edu.au/community/ozhpv/aboutchallenge.htm>

Queensland Recumbent Enthusiast Group

Sunday 12th November 2000, ride leaving from CARINA LIBRARY Mayfield Rd Carina. Everyone's meeting at 8:30am. (Afterwards BYO BBQ at Ray's 20 Murchison St.) For any more info or directions phone Ray Hembrow on 3843 2729 recumbent.ray@bigpond.com

Sunday 10th December 2000, ride leaving from HANLON PARK Lincoln St Greenslopes. Everyone's meeting at 8:30am. For any more info or directions contact Peter Rankin on 3847 3561. p.rankin@qut.edu.au

<http://sunsite.anu.edu.au/community/ozhpv/qldhpv/index.htm>

Melbourne Recumbent Riders

December 2nd - 3rd 2000. Planned weekend ride around Daylesford. Train to a nearby Station Friday night or Saturday, Saturday rides around Daylesford. Sunday return by train. Steve Nurse Ph 94818290, cesnur@eisa.net.au

<http://home.vicnet.net.au/~vichpv/>

Sydney Recumbent Riders

Sunday February 18th 2001: Description: Social ride and test ride / demo day - Come along and have a squiz! Starts at: Lane Cove Park. Grade: E/M 50km Contact: Ian Humphries 10 days prior to ride ph (h) 9550 2805 IanH@nch.edu.au

Saturday February 24th 2001: Description: Get 'bent and see some scenery.... Starts at: Kogarah railway station Grade: M/H 50/100/200km options Contact: Ian Humphries 10 days prior to ride on ph (h) 9550 2805 IanH@nch.edu.au

<http://sunsite.anu.edu.au/community/ozhpv/srriders.htm>

If this Newsletter cannot be delivered please return to:
OzHPV Inc
 143 Upper George St
 Devonport Tasmania 7310

