



FRIENDS OF WARRANDYTE STATE PARK Inc. November/December 1994 NEWSLETTER

Editorial.

From the time of scientific development in the seventeenth century people have increasingly placed their faith in scientists and their remarkable discoveries. There has been a plethora of scientific writers in the last few years who hasten to tell us that whatever the problems on our planet, science will discover all the secrets of the natural world. Technology will then provide us with an even greater paradise on Earth.

All these wonderful promises most people are forced to take at face value for the very good reason that most do not have enough scientific training to evaluate such rapidly occurring advances. The consequence is that science has progressively distanced itself from the greater part of the world's population. We have to rely on so called experts who write for papers, magazines, radio and T.V. These people designate themselves as 'managers' or 'experts'. We have science experts, money managers, health experts, real estate consultants, political analysts and consumer experts (the list goes on forever!) Very few of them can give the illusion that they have all the answers.

It is not any easier when modern science comes to dissect the natural world. Will it contribute to a sense of psychological and spiritual detachment from the rest of the natural world? We might ask what sort of ecological values will flow from a human centred view of the world. Who or what will guide us in the future, if we only have science's sterile blueprints of nature? We might explore the nature-wisdom of traditions that refuse to separate knowledge about nature from human obligations to maintain nature's balances. It might be even possible to look at the long term consequences of human greed - not usually included in any blueprint of science.

All branches of the media are governed by commercial consumerism. Television in particular is fundamentally opposed to the conservation ethic, which is "to be restrained and cautious about the use of natural resources in the future. Television encourages a culture to be impatient, incoherent, and very short sighted". The ultimate message of television is that nothing need be connected to anything, so long as the pictures are good. With the arrival of information super highways and every T.V. set capable of receiving up to 100 channels we may see conservation fade into the background of our culture.

"Science has a useful set of insights and they depend on rigorous adherence to fact and reasoning. It has a certain power. It also has a certain narrowness, because it cannot illuminate the larger question of beginning, end, and purpose."

Robert Jastrow -Physicist.

"There is something wrong about the way we're operating in the world - industrialisation is despoiling the planet. When you ask what is wrong, it comes down to there's something wrong about our values."

Dr. Charles Birch - Biologist.

Sunday Family Meeting 27th November 1994. Christmas Party, AGM. 2pm onward.

This year after a wonderfully varied program and too many successes to even count, our final Sunday Family Day of the Year will be a celebration of a relaxed type. We will have our A.G.M. of course, but as well we will have all kinds of tours, 'pot-ups', and a visit by Lord Bunjil and his players. They will give a performance of their highly acclaimed melodrama 'Lord Bunjils Tragedy' (bring a bunch of hankies!) We will have a group of speakers, Ranger in Charge, Matt le Duc, Land Protection Officer Ray Jasper, Parkcare Officer Steve Anderson, and Marg Dimech and Matt will give a brief outline of REAMS. We have invited lots of other local Friends groups, and we will follow it all with a BYO BBQ party so all bring something to share for smorgasbord salad or sweets. All will take home a plant for the garden, and we hope a new understanding of just which direction we all wish to aspire. See you there. One lucky member will win a \$50 voucher for the A.B.C. shop as special prize.

Bring your barbeque tea and a salad or sweet to share under the stars.

Grampians Trip - September Sojourn.

On September 15th an intrepid group of Fowspians headed off on the second camping trip for 1994. Weather treated us very kindly, being mostly mild and sunny. We had chosen Roses Gap in the Northern Grampians as an alternative to the tourist centre in Halls Gap. And certainly 'alternative' it was. Roses Gap consists of one thing - the camping grounds itself surrounded by National Park. No pubs or takeaways for 30 km!

One of our favourite walks was to Galton Gorge, recommended by Joy Hildebrand as a gentle stroll. Well in true Fowspian fashion we turned a 1.5km walk into a 3 hour + botanical survey! Poor Ian Burke may never forgive us. (Brenda's plant list from the walk is up in the folly.)

Another marvellous flora site was around the Mt. Zero area where we could (and did) spend hours searching the open heathland for orchids, lilies, and other flowering delights. The roadsides in that area were such treasure troves it took some of us hours to drive a couple of Kilometres. Marg B, Marg D and Olive W. spent a couple of hours on the roadside in absolute floral induced rapture!!

Another group of Fowspians, members of the Wonga Park Environment Group were staying at Wartook and we joined forces both by accident and design. We also had a marvellous time with some of the Friends of the Grampians at David and , Judy Thompson's property at Wartook where we were fascinated by their venture into growing 'bush food'. Lots of sun meant that reptiles were also in abun-

dance and we even had an exciting meeting with a beautiful brown snake.

The final evening for us was spent at the Friends of the Grampians Bush Dance, an amplified band making us realise just what treasures Jou and Hildebrand are!

The Friends Ranger, Craig Reid, arranged a special tour of the Park Information Interps centre. He had a special audio visual presentation to give. Trouble was it wouldn't work! Fowspians were impressed regardless, and coaxed Craig to joined us at the dance, with his two little son's who our children had signed up!

One place we visited over and over was the Beehive Falls. To quote Olive "surely no place on Earth could be more beautiful" - high praise from a seasoned traveller. This was the venue for our after breakfast farewell, where we all gathered as a kind of symbolic way to pledge our return.

The group all enjoyed our stay and a special camaraderie develops around a campfire..... hard to beat. Our next trip is to Phillip Island at the invite of the Roches.

The round campfire evenings were a special pleasure on this trip and breakfast in the morning was also a communal affair (sort of). Many people came up with tasty treats however I was asked to write about the Recipe, rules and rights of Olive Walter's 'SCROGGIN'.

Marg Dimech

'SCROGGIN'.

This name depends on the state you are walking - my daughters took 'scrunch' when they went bushwalking in Tasmania. Here we call in 'scroggin'. Neal Tessier has a different recipe but this is my families.

Ingredients- Sultanas Nuts
Jelly Beans Smarties
Licorice Allsorts (cut small)

Method. Mix thoroughly and fill a plastic container of suitable size.

This recipe can be varied according to taste or availability, e.g. nuts can be peanuts, cashews, almonds, pine nuts etc. Chocolate may be substituted for Smarties, but Smarties carry better in warm weather.

The rights and rules of Scroggin have developed into a Fowspian tradition. Rather than having a packet in one's backpack on a walk, we seem to have developed the campfire scroggin rites. Around the fire it is passed (in a large container) from person to person, held high and one shuts the eyes, 'dips' and takes a mixed handful. Should you get something you are not fond of, you find a person who likes that particular ingredient and give it to them as an exchange for like swap cards! This is not just for children and is a special benefit of group camping.

Olive Walters.



Early morn at Roses Gap, September. Fowspians at Breakfast. Dimech family, Olive and Andy Walters, Lee Silveri. Margaret Burke and the FOWSP tent!

Hot House Gossip.

On the bench in the Nursery you will find a 'signing on book'. Matt asks us all to sign on when we arrive so as to be sure of insurance cover whilst working. We have a pretty marvellous work safety record but you never know, and this way your presence has been recorded formally.

The committee has decided to spend some money we have made from sales of 'Discover Warrandyte' on more books for our library. The first order has arrived and Shirley will be processing them very soon. Most are available for loan for members, and those which are restricted will be able to be borrowed on short term by special arrangement with Librarian Shirley Mandemaker.

Speaking about books we do suggest that new members may think of purchasing our brilliant publication (foolish modesty is not something we suffer from), the said 'Discover Warrandyte' or perhaps a copy of Pat & Mike Coupar's 'Flying Colours' the most beautiful Moth and butterfly book on the market, which will be available at the market or Nursery.

Your poor overworked co-ordinator has a fearful confession to make. *Hankies out?* Whilst tidying up the mountains of paperwork which come out of our post box she did a bit of burning off as the Coonara was going. Well, afterwards she felt that a small collection of cheques to go off to the treasury was missing. Shock, horror, turning of the Burke house upside down so, confession made, Marg B. asks you all to check that your membership cheques have been cleared. (This was about two months back) A clue might be that you are still getting the dreaded red dot. Humble apologies.

The Christmas Hamper has not been a high priority for Fowspian this year so it will be held over until the Festival. Please give thought to donation of a home made or craft type item before then, handing them

to Cecilia le Duc, or another member of the committee.

The Parks week has been another celebration of our Parks. Diane, Margaret B. and Matt le D. all took a turn on the stall in Burke St. Mall. Thanks to those who called by. But it wasn't like last years barge was it?

Elsa Arden wrote a card whilst on holiday in Italy (Hard to take eh?) with Bruce & Bea Hamilton. Her holiday began in Tuscany and she did spend a minute or two thinking of us working on pots with freezing wind, hail, and blue fingers. Didn't really sound very home-sick though.

Sub-groups have absolutely blossomed this year and most achieved beyond their wildest (???) dreams. Most are planning the next years activities and a published report of the 1994 year is on the 'boil'. The hours/days of work put into all areas of WSP have been invaluable and you can all take a bow.

Next year we hope the 'Operation Meandering Yarra' with the Green Task Force will give a huge boost to projects underway or being specially planned.

The support from the ATCV for groups will give them a great boost as well. On December the Osborne Landcare Group is calling on all Fowspians to help them support a team of ATCV volunteers pull out an ocean of ivy in the State Park below Number 16 - 24 Osborne Rd. You can enter via the Boyles drive (16) and John and Kerry B. are putting on a sausage to keep you all going. ATCV activities are whole of day so you may just wish to come along for an hour or so to help this mighty event.

Ross Coupar comes close to the end of study for 1994 but not the end of all those other things he does. Mountain bike riding is the thing which fills Ross's spare time lately. (After 'Fossicking' etc.) He is a member of both the Warrandyte Cycle Club and the 'Fat Tire Fliers' (which I am told is Australia's premier Mountain Bike Club. Ross did us proud this year with second over all in the FTF's

winter series. He has won a variety of racing events and with only two races in the State series, he came second twice (Not good enough he says!) and hopes for a win. He is known to reach speeds of nearly 80km. (Ross, that is much to fast to be able to identify the vegetation properly you know!)

Ross likes to keep out door most of the time and aspires to be a Ranger. He will have time on his hand over Christmas and hopes to make some pocket-money doing garden maintenance, reveg work, mowing etc. If you need some help, keep him in mind. He certainly is fit! His phone number is 844 1650.

All of our activities carry on regardless over the holiday period but Newsletter will not be out again until mid February. I promise you I will be refreshed by the respite from Newsletter duty for two months. Nursery goes on as usual (remember plants never need holidays like we people seem to!) and the rebuilding will continue - no rest for the wicked.

Colin Arnold has given us some of his compost to experiment with. It needs sieving which is a fun activity. Lawrie Safstrom has found us two more wire mattress supports for use as giant sieves. Now we need personnel for the task.

Alex & Andy are repainting the interior of the Folly at present in cream & green enamel - easy to clean. They are also looking for a cupboard unit (kitchen type) for our crockery etc. If you have a unit 500mm x 1.5-75m in reasonable order we would love to hear from you.

Other items we need stocking up on (we do such a lot of BBQ, picnics etc there - esp over summer) are spare sturdy glasses, bowls, mugs, cutlery. Really the Folly is four star accommodation almost.

Margaret Burke wishes to express her thanks to the Shire of Eltham for awarding her their 1994 Environment Award, the final one as Shire of Eltham. Joy Hildebrand received a Special Commendation for her environmental effort.

FRIENDS OF ONE TREE HILL Inc.

COMING EVENTS:

ANNUAL GENERAL MEETING
SUNDAY DECEMBER 4TH, AT 3 PM.
IN ST. ANDREWS COMMUNITY CENTRE
(OLD SCHOOL)

To be followed, at 4 pm, by a combined Smiths Gully Landcare and Friends of One Tree Hill information and social evening. The topic for discussion will be- HABITAT LINK BETWEEN WARRANDYTE STATE PARK AND KINGLAKE NATIONAL PARK.

Invited Guest speakers are,

Tim Offor - Covenants Manager, Victorian Conservation Trust
Cr. Robert Marshall - Eltham Shire - Council
Amalgamation impact on the link
Patrick Vaughan - Environment Officer -

Biodiversity of the existing link
Ray Jasper - Habitat Link Ranger - Dept.
Consv.& Nat.Res.- Management of the link

At 6 pm join everyone for a get-together barbeque. BBQ facilities, tea, coffee, cordial provided. BYO food and drinks. Please bring a salad or plate to share. ALL WELCOME.

SUNDAY, JANUARY 22ND, 1995. STAR GAZING WITH ANNA AT ONE TREE HILL

Friends of Warrandyte State Park and Friends of One Tree Hill will Stargazewith guidance from Anna' corner. Starting timr is before sunset, at about 7.30pm. Meetin place will be by the Tanks at One Tree Hill reserve, One Tree Hill Rd. Smiths Gully. The show will include Mars, Satturn and a shower of meteotites before moon rise.

Diane Silveri.

710 1331.

Koala Counting.....1994

The Koala Count this year was very successful with nearly forty people taking part. As usual Brenda Hunter had done a great job of organisation with colouring sheets, Koala finger puppets and fun games for the junior Koala spotters. We were all aware that this was done only a week after the sad loss of her Mother and thank and give our love to Brenda and Jocelyn and Suzette. Three groups followed the Pound Bend survey trails and came up with a count of consisting of ... males, ...females and ...young. Numbers this year show the pattern of establishment of the colony at Pound Bend to be stabilised, with healthy, fertile family groups. We had one Koala death, perhaps during the wind storms and this very old tagged animal is currently being autopsied for cause of death. You will perhaps remember that all the original tagged animals are at the very extreme end of the age range for the animal and all other Koalas are untagged, meaning that they are second generation 'Warrandyte' koalas. One Koala, a young male, was observed on the Blue Tongue Bend track last weekend. This an area where we have no established colonies so perhaps this section of the park, rich habitat, is about to become koala territory. One thing which needs to be done is a whole Park survey..... would need lots of eyes!

Afternoon tea after the Koala count was a sumptuous affair. Lots of lovely things brought along. Number one was the quiche which Alex Manson had cooked. He assures us it never fails and no doubt variations could be developed - feel free to try.

Alex's Quiche.

(The recipe his daughter got from her mother-in-law.)

Ingredients:

1.5 Cups Grated Tasty Cheese 4 Eggs (beaten)
1 Onion (chopped) 1.5 Cups Milk
1.5-2 Tsp Chopped Parsley
1 Cup of Pizza Ham pieces
.75 Cup S.R. Flour (no more)
Salt & Pepper to taste.

Method.

Stir all up together and pour into a quiche dish.
Cook in a moderate oven (180C) for one hour
and ten minutes.

Fowspian Thursday Afternoon Activities.

This activity takes place in the afternoon, with the morning's activities in the Nursery over. We visit different areas in our park each week and are accompanied by a ranger.

The activity often includes a mini project and is always an opportunity to learn something new. The afternoon finishes with a cuppa and chat. Everyone is welcome.

November 24th. Harding Rd exclusion fence (Timber Res.)

Survey the plants inside the fence. Some hand weeding. General orchid/
wildflower identification. Brian Phefley.

December 1st Whipstick Gully, update on works (gates & poppet), general walk (seed collecting).
Brian Ward.

December 8th Seed collection and survey walk, location to be decided. Brian Phefley

December 15th Seed collection and survey walk, Location to be decided. Stephen Anderson

December 22nd Seed collection and survey walk, location to be decided. David Van Bockel

January Activities Program - to be pinned up in the Nursery and Folly.

Legendary Lee's Tales of a Traveller

Deep in the East Gippsland forests, within earshot of sporadic warfare between loggers and greenies, lives a sacred tree. A tree so sacred that not even a belligerent, bullheaded, bloody minded timber cutter would consider laying a chain on it.

This is *Livistonia australis*, the Cabbage Tree Palm. It is Victoria's only native palm and is found nowhere else in the state. How it got there God only knows.

A stand of *Livistonia australis* competes for air space with towering gums in a mini rainforest a little south-east of Orbost, a resolute timber town which has seen many a bunfight and brawl between cutters and conservationists.

The next cabbage tree is 300 kilometres away, on the south coast of New South Wales.

Natural historians opine that this Victorian freak of nature might be a relic of flora once much more widespread when our world was warmer. Then again, it might have developed from seeds carried and deposited by aborigines or birds.

Whatever, it was first discovered in 1854 by Baron Sir Ferdinand von Mueller, Victoria's first government botanist, who urged noted explorer/scientist Walter Baldwin to go take a look.

Baldwin did - 35 years later. And wished he hadn't.

He struck a spell of typical Victorian summer weather when he set up camp among the cabbage trees in January 1889. Didn't it rain, children!

Baldwin wrote (in his presumably sodden diary): "*All the time it has been pouring in torrents and we are drenched to the skins.*"

"*The dripping pioneers resting from their toils and the special artist under his 'mia mia' of fern fronds present rather a pitiful, if not ludicrous, sight.*"

"*Fortunately, there are no living creatures, save cockatoos and lyrebirds, to pay any attention to the strange habits of field naturalists.*"

(Baldwin did not mention the bell miners,



eastern whip birds and currawongs which abound here.)

We are told that the Aborigines used to eat the young palm fronds and consider them a delicacy. Unable and unwilling to shin up a tall trunk to establish their table qualities, Jan and I took the Aborigines' word for it.

The *Livistonia australis* has given its common name to Cabbage Tree, a one-horse townlet on the Princes Highway. The palm stand is beside a track linking Cabbage Tree with Marlo. It is probably worth recording as a footnote that a sticker on the bar fridge at the Marlo Hotel says: "The only real wilderness is between a greenies ears." It is probably worth noting, too, that the author of it neglected the 'apostrophe s' in 'greenies'.

Recipe Corner

Now the Angled Onion has gone limp and the Cootamundra Wattles have finished flowering you may be running out of weed recipe ideas ... don't panic, its VULPIA time.

A couple of months ago I was making a last minute potato salad for a Fowspian BBQ. It looked very 'white' and dull so I raced around outside looking for that pot of chives I hoped was around somewhere. Aha! found it. As I finished chopping them up and threw them in the salad (yelling "Is everyone ready?") it occurred to me that they didn't really look or smell like chives at all. (It was a dull dark afternoon and I was in a hurry.) Too late, they were stuck to the potatoes.

Everyone enjoyed the BBQ and my salad, lots of favourable comments. I kept mum ... just in case.

My 'chives have finally flowered, and they are not some friendly little Danthonia as I had hoped. They have turned out to be *Vulpia sp.*, probably *bromoides*, Squirrel-tail Grass. This nasty little import has given me hell trying to recognize it out in the park and there it is, taking over my chives pot.

Being an annual it is easy to pull out, but by nipping off the flowerhead and using the leaves in your next salad should get rid of it. Look it up in a weed book and watch for it on your block. You probably have it as it doesn't mint dry spots on Fourth Hill or wet spots at Jumping Creeks.

N.B. I have NOT checked if this grass really is edible! 'Grasses of Temperate Australia' (Lamp, Forbes & Cade) mentions that it is readily grazed by stock during its vegetative stage and no-one who ate it got sick. Anyone with more knowledge is welcome to comment.

Cathy Willis.

PLANT OF THE MONTH

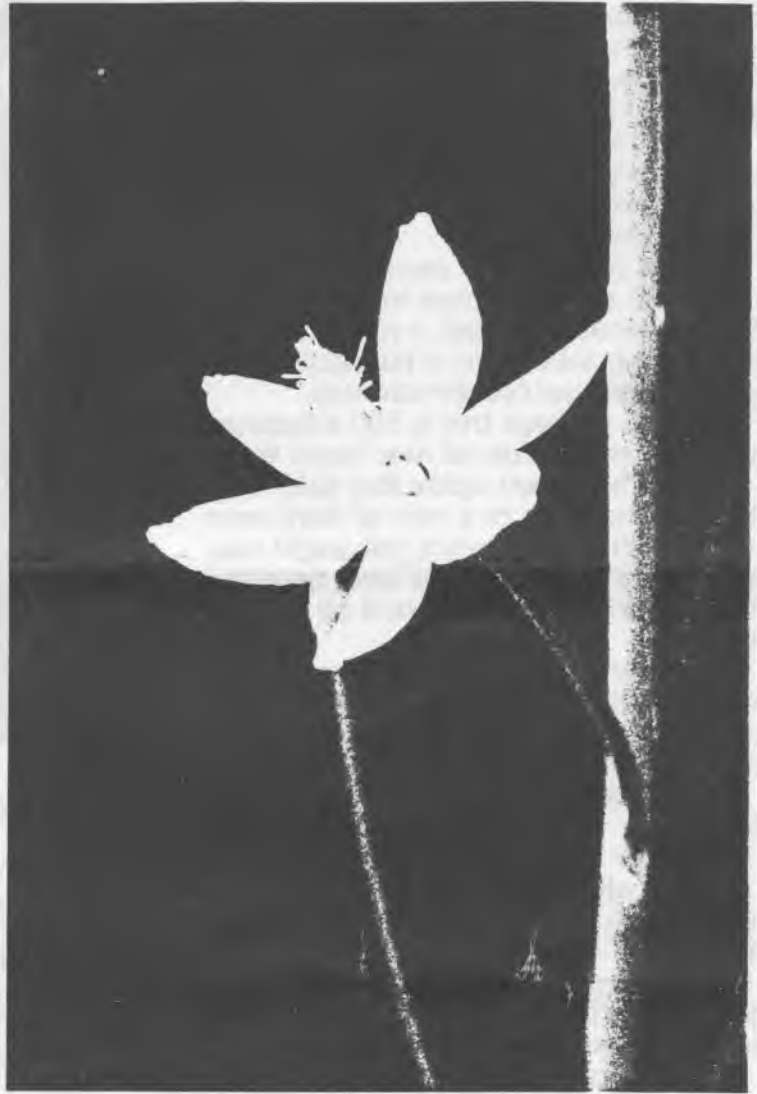
Bulbine semibarbarta, Leek Lily.

Finally after many, many, years we have confirmed Arthur Williamson's record of *Bulbine semibarbarta* (Leek lily) for Warrandyte State Park. *Bulbine bulbosa* (Bulbine Lily) is a common plant throughout the park. *Bulbine semibarbarta* is superficially very similar but it differs in having smaller flowers. A distinctive feature is that only three of the six anther filaments are bearded. *Bulbine bulbosa* has all six filaments bearded. The other difference, not obvious is that *B. semibarbarta*, being a short lived plant (two to three years) has a fibrous root system, whereas *B. bulbosa* has tuberous roots.

This discovery has been confirmed by renowned botanist Graham Lorrimer. Geoff Carr who is also a botanist and bulbine expert, knows of only two occurrences of this form existing in Victoria, one having only one plant. Therefore this rediscovery makes this one in Warrandyte most significant recorded plants. In view of the fact that we have hopefully a viable population of fifteen plants discovered so far of this extremely rare and significant species.

Pat Coupar and Ranger David Van Bockel are an inspired team, an inspiration to both Park Staff and the Friends Flora Management Group. These two give hours of time to the tracking down of recorded sightings, lodging findings each time with the Herbarium. The gradual building up and confirmation of rare, significant and threatened species is something we are all excited by.

The Friends will continue to devote as much time as we possibly can to the preservation of these species teetering on the black abyss of extinction.



Bulbine semibarbarta

Leek Lily.

Photographed by Pat Coupar.

Memo from Matt - Ranger in Charge Report.

I am writing this after completing a bird walk with Ken Simpson and a few of the Fowspians at Jumping Creek. Just walking through the area, Marg Burke reminded me of how much Jumping Creek had changed, especially given the plantings that followed the construction and development of the car park area.

It was great to hear that the Friends of the Common has started and no doubt it will thrive given the enthusiasm of Kym and Debbie.

We will be starting our two trainee Rangers in the next few weeks as part of the Yarra Corridor project. Ray and I have finalised our fuel reduction plans and fire protection works for the coming season and these can be viewed at the Park Office. If you need to discuss them, talk to Ray or myself. Four additional summer fire crew will be put on line as from 21st of November so Warrandyte should continue to be a hive of activity.

Steve Anderson, our Park Care Ranger will be contacting all the Parkcare group leaders in the near future to map out the next years activities.

Some of you have undertaken our self help typing course so please see me if you wish to be put on the list. (Marg Dimech is winning the speed typing race!) We have purchased a flora management package and together with REAMS are slowly getting a handle on the conservation management of the plants.

The 'Doctor' Van Bockel recently spent a lot of time with Pat Coupar, Cathy Willis and Cam Beardsall, obtaining a more thorough perspective on the significance of various plants. Marg Dimech has been helpful in getting REAMS off and running.

As Parks Week ends it has made me realize what a fantastic Park we have at Warrandyte thanks to the effort that everyone puts in. As the year winds down may I take this opportunity to thank you for your efforts and I can assure you that Park Staff appreciate any involvement. Good luck for next year

Matt.

WHAT EFFECT WILL A CHAMPIONSHIP GOLF COURSE HAVE ON THE YARRA RIVER?

by Flora Anderson

Christine McTighe of the Lillydale and Yarra Valley Express has done an excellent job in bringing this proposal of the Heritage Golf & Country Club to public attention.

She has been careful to present the views of both critics and proponent. To add a few more details, I will put the views of the Conservation Groups not only in the Shire, but of those further down the Yarra River where any detrimental effects will be felt, and up-river also, where the consequence of any flood control works such as levee banks might have a significant effect.

It is important to keep in mind that the Yarra River from Warrandyte to Warburton is protected under the Heritage Rivers Act 1992 Act No 36/1992. This applies to public land but the Land Conservation Council in its recommendations considers that "because of its numerous values it should receive Victorian heritage river status." It is referring here to the section from Warrandyte to Yarra Glen, an area they describe as "particularly picturesque." Much of this section is privately owned.

Many people believe that a linear park in public ownership would be an appropriate status for the Yarra banks in this section.

It is also important to remember that the sites of both botanical and zoological significance have been identified in the subject area.

Major concerns are:

1. All 18 fairways and greens of the proposed Henley Course are to be situated on the flood plain and all but 5 of the St. John Course on land liable to flood also. See Heritage Golf & Country Club site plan now on exhibition.

The proposed amendment to the Planning Schemes of Lillydale and Healesvil Shires removes flood prone land from the restrictions on use which now apply

This will leave the proponent free to modify the banks of the Yarra and the flood plain and

See Articles in Local Press. Please write to your local member, Rob MacLellan & Mark Birrell

billabongs as they see fit. After all, they would want to ensure the protection of their investment. A flood would be a disastrous occurrence on a championship golf course which needs to be open all year round.

The submission accompanying the Amendment does not give details as to how this protection will be achieved, although it does refer to.... "fill importation decreasing the flood plain area and capacity."

2. A golf course needs to be well drained, well watered, fertilized and the greens free of weeds. We are not told where the water will come from. We may well ask where will the sub-surface drainage of greens and fairways go and how much fertilizer etc. will it contain.

3. The proponent recognizes the presence of sites of significance but does not give detail as to how they will be protected. Nor are there full lists of what is present in the way of native vegetation, pond life, animal life and birds, especially waterbirds.

Other questions as yet unanswered are: What effect will modification of the river and the floodplains have on neighboring properties, established natural vegetation, wildlife, and the general ecosystems of this valuable regional resource?

Which species of trees, shrubs and grasses are to be planted?

We therefore believe that an Environmental Impact Assessment must be an essential pre-requisite for this proposal.

Flora Anderson

(Note that as well as the two golf courses, a village of nearly 400 condominiums, villas, and units as well as all accompanying luxury facilities for this resort will be located on this section of the Yarra bank. What about effects of humans, associated effluents, traffic etc. - Editor. Copy of the application are available in the Folly, at FOWSP activities etc.

STAR GAZER'S CORNER.....

During any one night, a stargazer may observe celestial objects which appear to move relative to the stars. Ancient Greeks called a select group of wandering objects, planets (Greek planetes, wanderer) This is a term used to describe a body in orbital motion around the star but which itself is non-stellar (non luminous, visible by reflecting light of the primary star).

Venus, an extraordinary bright planet, has disappeared from view until mid November, when it can be seen as a 'morning' star' before sunrise, toward the east.

Of all the planets in our solar system, the most majestic is Saturn. With the aid of a small telescope, a spectacular ring system which extends around Saturn is visible. These rings are composed of millions of chunks of rock and ice which form thousands of ringlets. To locate Saturn, on December 9th. the moon will be approximately one hand width south of Saturn towards the west.

Numerical facts about Saturn.

Distance from the sun	1,427,000,000 km.
Size	119,300 km. diameter
Length of Saturn's Day	Equals 10 earth hours and 39 minutes
Length of Saturn's Year	Equals 29.46 earth years

Saturn is a gaseous body, mostly made of hydrogen and helium. In addition to the rings, Saturn has at least 24 moons, Titan being the largest. Despite Saturn's immense size the density is 0.7 - less than water!

HAPPY STARGAZING - S.G.

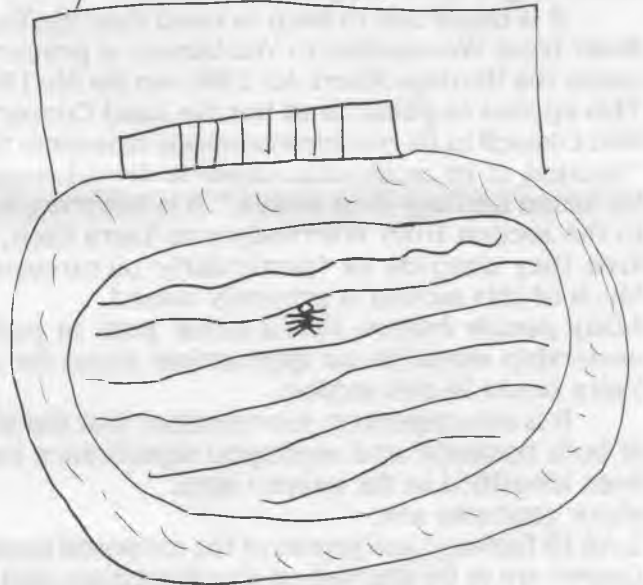
Fossicking Ross and Percy Poss.

Animal wordsearch.

I	Q	T	A	D	P	O	L	E	P
K	Y	A	B	B	Y	I	A	E	B
K	G	O	A	N	N	A	J	L	P
A	H	B	E	E	T	L	E	W	L
N	E	E	F	I	S	H	L	O	A
G	D	S	K	O	A	L	A	M	T
A	U	O	N	I	O	C	N	B	Y
R	C	W	U	A	D	R	T	A	P
O	K	L	D	N	K	N	M	T	U
O	F	R	O	G	D	E	A	G	S

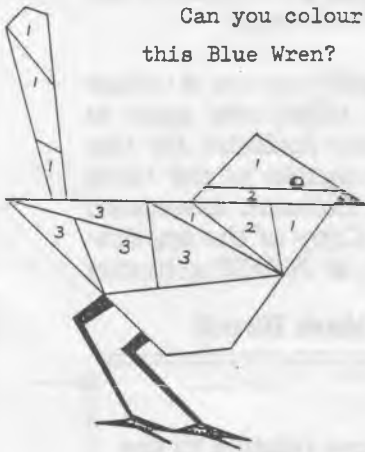
- TADPOLE
- KANGAROO
- EKIDNA
- KOALA
- GOANA
- EEL
- WOMBAT
- FISH
- FROG
- OWL
- SNAKE
- DUCK
- ANT
- YABBY
- PLATYPUS
- BEEBLE

Why did the spider
climb up the loo?
Because he was sick of
being in the water.



Ross loves to hear from you. If you have a picture, joke or riddle please write to Ross care of PO Box 220, WARRANDYTE 3113.

Can you colour
this Blue Wren?



- 1 = blue
- 2 = black
- 3 = brown

Wilson King, 7 sent us these drawings
and a riddle all inspired by the
'SPIDERS' theme. Terrific Wilson.

