

# FROG CALL



THE FROG AND TADPOLE  
STUDY GROUP OF NSW INC.

NUMBER 29 - MAY 1997  
PO Box A2405  
Sydney South NSW 1235

THE NEXT MEETING - 7:00 PM, FRIDAY THE 6TH OF JUNE AT THE  
AUSTRALIAN MUSEUM (WILLIAM STREET ENTRANCE)

PLEASE NOTE: THIS MEETING INCLUDES OUR AGM

## FORMAT

7:30pm Annual General Meeting with election of Committee

8:00pm Photographing Frogs - Ken Griffiths

8.15pm 5 favourite frog slides or 5 minutes

8.40pm Raffle and Auction

9.00pm Finish for tea, coffee & biscuits

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## REGULAR FEATURES

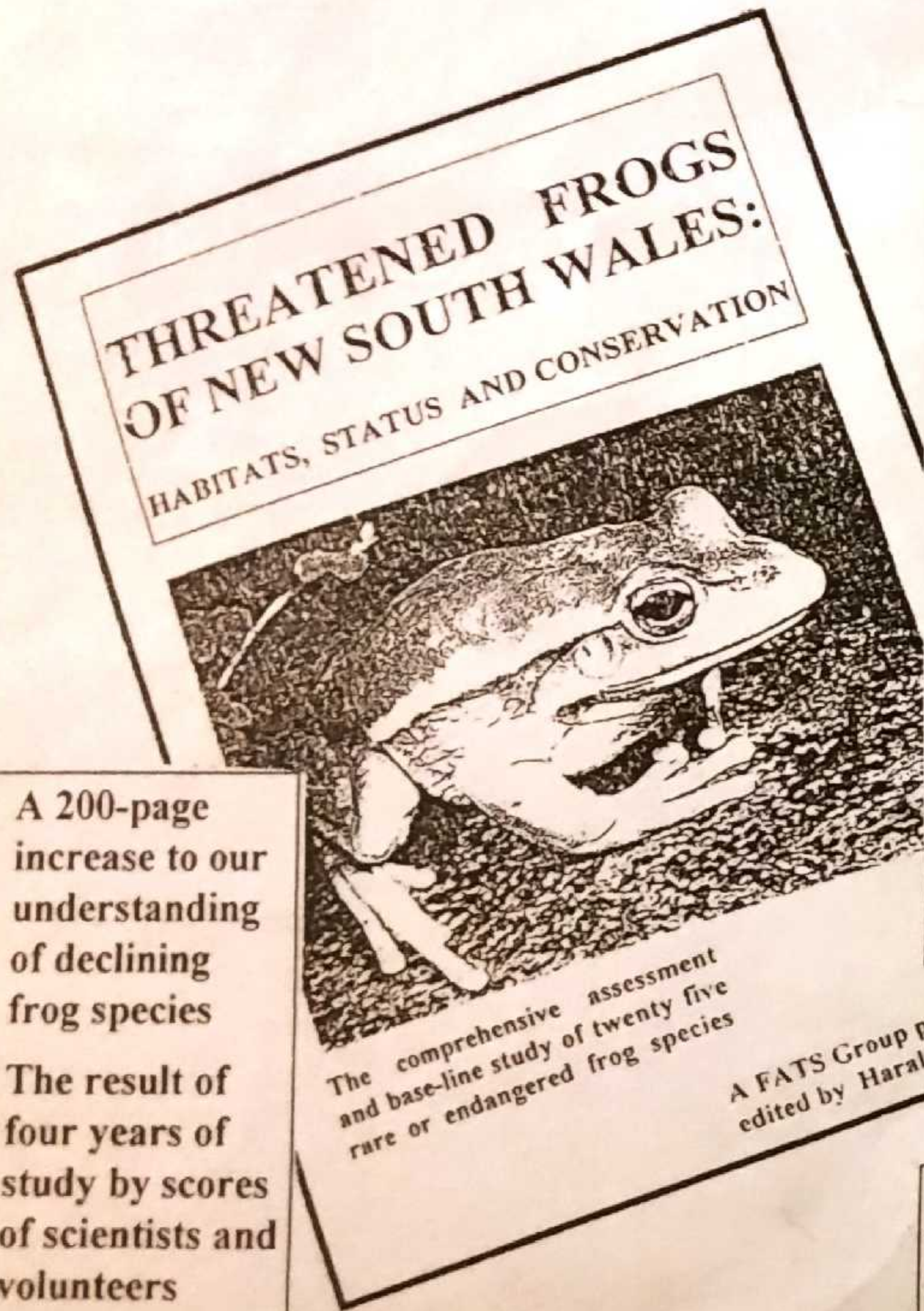
News and announcements, field trips, projects and committee reports.  
Discussions, advice, gossip, welcome table, auction, sales table!  
Bring a visitor!





Book announcement -

# THREATENED FROGS OF NEW SOUTH WALES: HABITATS, STATUS AND CONSERVATION



- At last a base-line study!
- The long-awaited survey of our disappearing frogs
- 25 species of threatened frogs of New South Wales
- Includes several newly recognised species
- A first indication that three of the species may already be extinct

- A 200-page increase to our understanding of declining frog species
- The result of four years of study by scores of scientists and volunteers

Published by and obtainable from the Frog and Tadpole Study Group of NSW Inc.

"This report is timely and provides stark evidence of the decline and disappearance of a number of endemic NSW frogs. This issue has received considerable international and national concern, but many members of the public are cautious of the claims because of the lack of detailed, systematic field surveys. The field work and report of the study provide the much-needed evidence that declines are real. It should be a warning to all in our society that our environment has been greatly degraded."

Dr Michael Mahony, University of Newcastle

Each of the 25 species accounts contains systematic descriptions of:

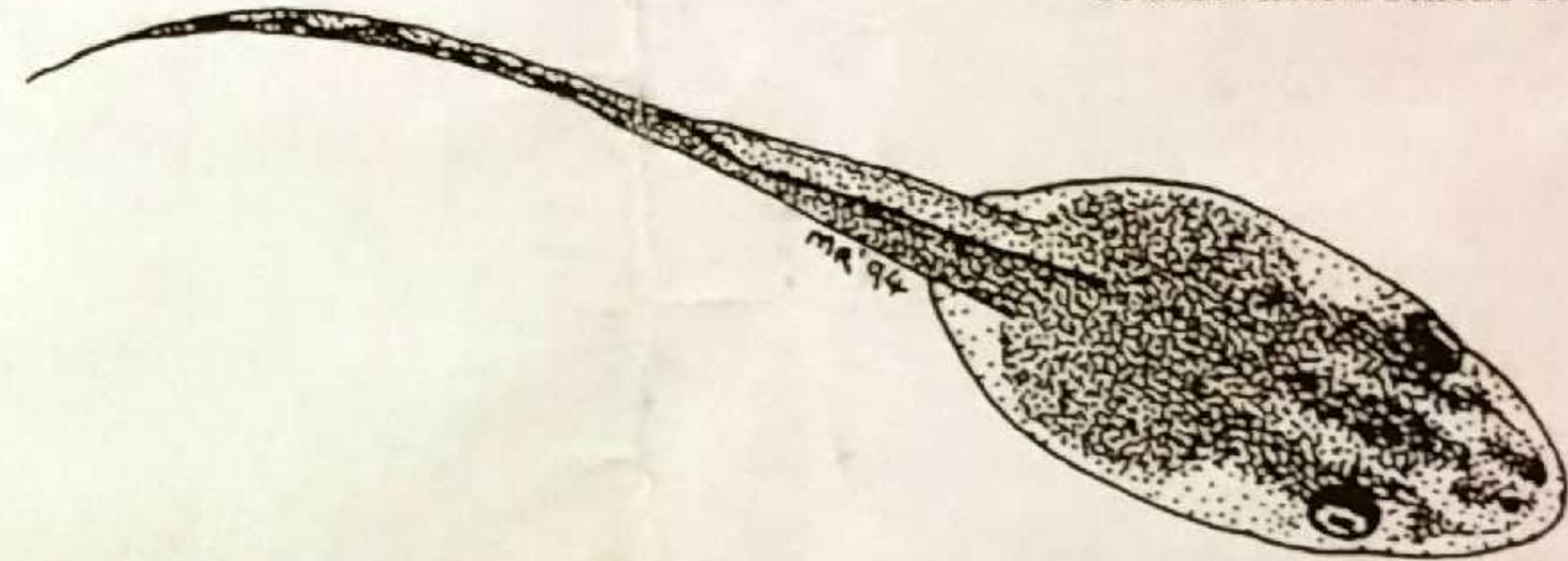
- former and current distribution
- habitat characteristics in detail
- population estimates
- conservation reserves, public lands and other lands on which the species occurs

Common elements for all the 25 species are analysed and compared in easy to read tabular form, including:

- decline factors and characteristics of decline
- sensitivity of species to immediate threat factors
- impact tolerance to habitat disturbance
- altitudinal ranges and landforms associated with these species
- range changes and fragmentations
- adequacy of protected habitats

Each species account also includes recommendations for conservation and management and other practical information.

The book contains a new ranking of the conservation status of frogs in NSW.



This project was assisted by a grant from the Commonwealth Government under the National Estate Grants Program administered by the NSW Heritage Office and the Australian Heritage Commission.

### How to order:

If ordering by mail, send the order slip at the bottom of this page, together with your cheque or money order over \$63.80 per copy to: FATS Group, P.O. Box A2405, Sydney South, 2000.

Copies are also available at FATS Group meetings for \$57.80. Meetings are every first Friday of every even month at the Australian Museum in Sydney (William Street entrance) from 7 pm onwards.

This offer remains valid until 30. 9. 1997. For enquiries please ring (02) 9482 1017 or (02) 9476 2853.

To:  
 FATS Group  
 P.O. Box A2405  
 Sydney South NSW 2000

Name: .....  
(please print)

Address: .....

Please send me the book "Threatened Frogs of New South Wales: Habitats, Status and Conservation". Enclosed is my cheque / postal order for \$57.80 plus \$6.00 postage & handling = **\$63.80**.

Phone: .....

Signature: .....

(Offer valid until 30. 9. 1997)



## THE LAST MEETING (4. 4. 97)

**F**rogs of sort-of-southern Western Australia was what the evening's main slide show was about. **Arthur White** and family had an idyllic four week trek: great weather (3 weeks rain, 1 week dry), lots of strange-looking frogs and spectacular countryside! Emerging from the Nullabor and hitting the scenic WA coast at Esperance, what awaited Arthur's eager camera? *Crinia*! Five species of these froglets and just as polymorphic and as hard to identify as ours here - unless you hear their calls. And Arthur brought us sound samples to go with his slides.

There was *Crinia georgiana*, a large froglet with red flash colours, *Crinia insignifera* (non-significant or non-signbearing, take your pick), even *Crinia subinsignifera* and *Crinia pseudinsignifera*. A little one, already mature at 9 mm, is *Crinia glauerti*.

On the way to Albany and the Jarrah forests, *Litoria adelaidensis* was definitely saying "ribbet", with WA Pobblebonks (*Limno-dynastes dorsalis*) and sometimes *Litoria moorei* - the Western Green and Golden Bell Frog - joining in. Also of the *aurea* complex, and also in that corner of WA is *Litoria cyclorhyncha*. In the Stirling Ranges the hunt was on for the newly described *Geocrinia*, alas, it would not reveal itself.

The sandbeds south-east of Perth had just gone into flood, and Arthur found himself knee-deep in burrowing frogs: 147 *Heleioporus* of four species in just one night! Sadly, no Turtle Frogs had surfaced.

From north of Perth Arthur brought us the eerie calls of the Moaning Burrowing Frog *Heleioporus eyrei*, just the kind of a lamentation to thrill you when it comes all night long from under your tent.

As you travel further north in WA, the growling of *Litoria moorei* keeps up with you, but the frog loses its green and becomes increasingly drabbish brown.

Shark Bay is plagued by foxes and rabbits, apart from its fenced off southern corner, where a fence has now been erected across the peninsula, as part of "Project Eden". And what an enormous fence! The electric wire even goes out to sea for a great distance, because foxes swim. Soon the area will see some of the old wildlife reintroduced again. Arthur was going to upend himself and look for Sandhill Frogs (*Arenophryne rotunda*, the ones that dig down head first). But a cyclone put an end to all that. The Whites fled south. The cyclone gave chase. With the cyclone in tow, they raced past countless *Neobatrachus* desert frogs by the roadside and past yet another fox-proof electric fence, this time to protect the rare WA Swamp Tortoise.

Although we are still undecided whether the effects of the journey and its ordeals on Arthur are permanent, his slides certainly left a permanent impression on us. WA, here we come!

**A Northern Exposure** - Frogging in NT's wet season was **Barbara Harvey's** idea of a good holiday. Still, after seeing her slides we ended up as envious as hell! Her trip's write-up was in the last issue, folks.

**The 5 slides** - Michael and Frank managed to get a few in before things got too hectic. A juvenile Great Barred River Frog had us guessing, then a Pobblebonk and a little *Pseudophryne coriacea* from Olney S.F. Finally, there was a slide of a Giant Burrowing Frog (*Heleioporus australiacus*) protecting itself by exuding a noxious white liquid.

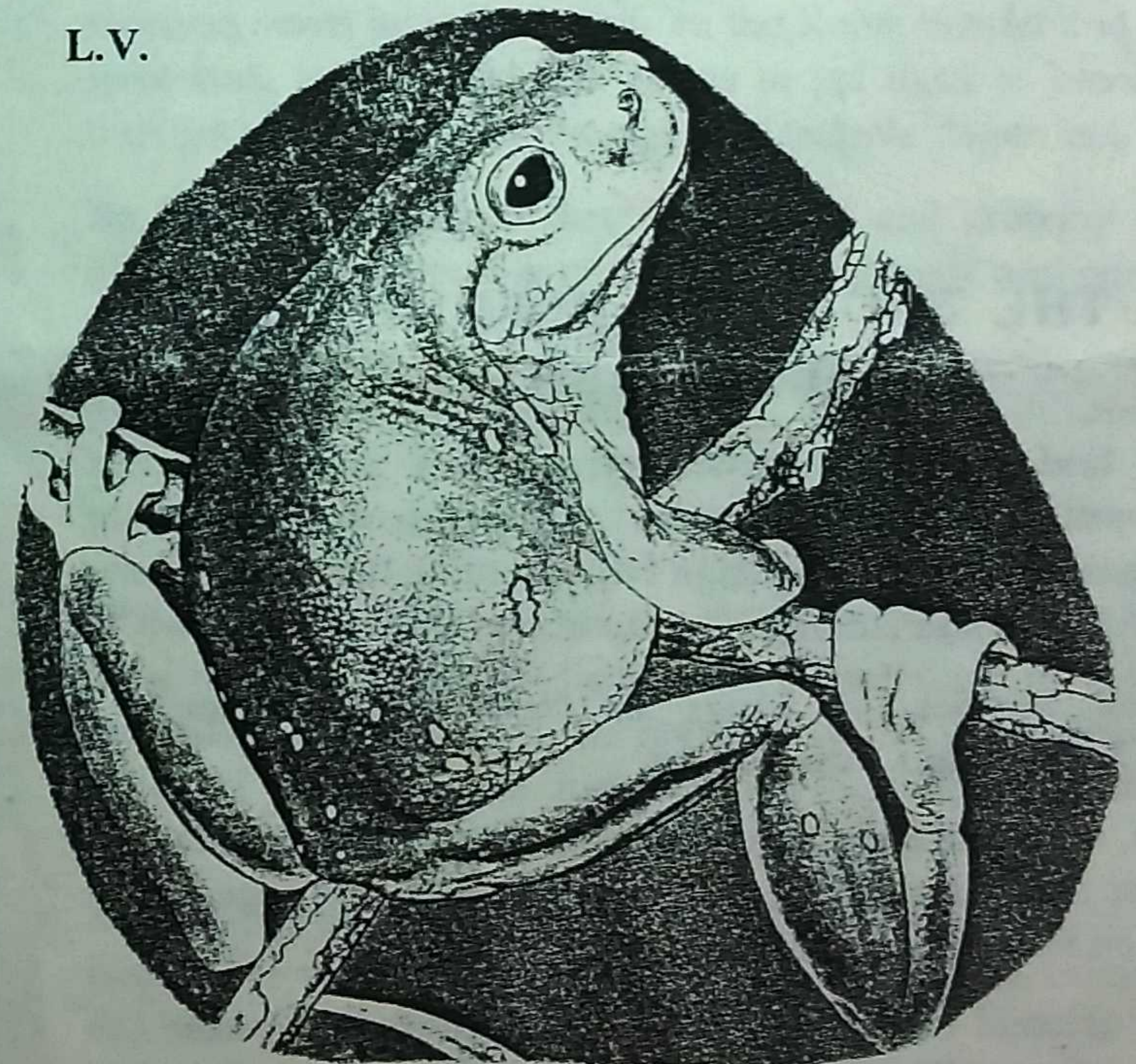
**The auction** was held by a ventriloquial giant fluffy frog, draped around Michael Harvey. Neither the frog nor Michael were auctioned off (not for want of bidding, though), but everything else was. The auction, together with a table sale of some of the aquarium things Lou Petruccio had given us, was again a success - thanks to the generous donors and bidders. Together with the table sales a total of \$185 was raised.

**The stone frog raffle** for this magnificent chunk of Pymont Bridge was won by brute force. Bob Hayes who had bought 40 tickets was able to lug it away (only just, though). Proceeds - if you include tickets that were sold in December and February - weighed in at \$236. The sculptor certainly did not labour in vain!

**The Corroboree Frog rescue raffle** netted \$120 for the Victorian Frog Group. A summary of what it's about is further down in this issue and it is a worthy cause indeed if this frog is to avoid extinction.

**The frog licensing proposal** by NSW NPWS had come out for community comment. Our meeting, as it turned out, was a very commenting community. The commenting continued over biscuits and coffee and then all the way home.

L.V.



The pix in this issue are from the Queensland Department of Environment "Green tree frogs" poster. See it in all its glory at the next meeting. We'll then work out if we should place a bulk order.



## AGM NOTICE

**D**on't forget that the Annual General Meeting will be held during our June Meeting at the Australian Museum. Anybody interested in nominating for any of the positions are greatly encouraged to do so as the committee is always short at least a couple of people. Moreover, the organisation could always do with some fresh viewpoints and ideas. But don't forget that if you have an interest that you should have some form of nomination in at least one week before the meeting otherwise you will miss out if anyone else has applied for that position on the committee. The position descriptions were enclosed in the last newsletter and nomination forms have been included in both this and the last newsletter so you have no excuses.

Also please note that this year there will be a change of order of the presentation of our Annual General Meeting. In previous years it has been run after the presentation of the usual Friday night meeting and many members were required to leave before the AGM and so had no opportunity to vote or to decide to nominate for any unfilled positions. This year the AGM will be run first to ensure everybody has a chance to contribute if they wish to do so. Don't forget that this AGM will include a vote on the proposed changes to the constitution regarding the renaming of the positions on the committee and so if you have any thoughts on this be ready to present them.

Finally in regards to the meeting, there will be a questionnaire handed out to all attending. This questionnaire will ask you how you currently feel about the Frog and Tadpole Study Group in terms of its performance, directions, future and aims. This is the opportunity for people to have a say on how they think our organisation should be run and, in particular, what is currently wrong with it. It has now been 5 years since the group was founded and it would be a good time to sort out what is going to happen over the next 5 years.

## THE ENDFROGS REPORT IS PUBLISHED

**T**he **Endangered Frog Survey**, our four year mega-project, resulted in December in a report of over 300 pages to the NSW Heritage Office and the Department of Urban Affairs and Planning. The report was titled:

### **Threatened Species of Frogs in New South Wales: Habitats, Status and Conservation**

The report, under the same title but somewhat reshaped, is now available as a publication. The flyer (reduced in size on page 2) gives you an idea of its contents.

The editor (Harald Ehmann) and the authors of the 25 species accounts (Marion Anstis, Harald Ehmann, Ross Knowles, Michael Mahony, Leanne Pattinson, Jacquie Recsei, Karen Thumm and Arthur White) have by all accounts done a tremendous job. And so have all the many FATS Group

members and other frog friendly volunteers who helped with field trips and in numerous other ways.

The NSW Heritage Office handed the FATS Group a formal certificate for a job well done. The NSW Department of Urban Affairs and Planning wrote:

"The authors are to be congratulated for having compiled such a comprehensive range of information on the ecology and biology of these frog species. The results of the project clearly illustrate and justify the threatened status of these species. It is considered that this work will contribute significantly to the recovery planning process to be carried out by the NPWS for each of these species."

What more can one say? One might read the words of Michael Mahony on the flyer. He was the project's nominated Independent Consultant.

L.V.



## CORROBOREE FROG RECOVERY EFFORT

**F**or those not yet aware of the situation, the southern form of the Corroboree Frog (true *Pseudophryne corroboree*) has continued to undergo major declines over the last few years to the point where no more than a few hundred individuals are likely to be left. The Corroboree Frog recovery team has been monitoring these declines and the situation is now considered to be so serious that drastic action is required. This resultant decision has been to take half of all the remaining clutches of eggs from the three largest accessible populations remaining and raise them to an advanced tadpole stage in captivity. These tadpoles will then be released in the hope that they will have had a far greater survivorship through this vulnerable stage of their life cycle. The end result will hopefully be a long-term boost in recruitment into the wild populations. The money raised by the FATS Group should certainly help this program to achieve its aims.

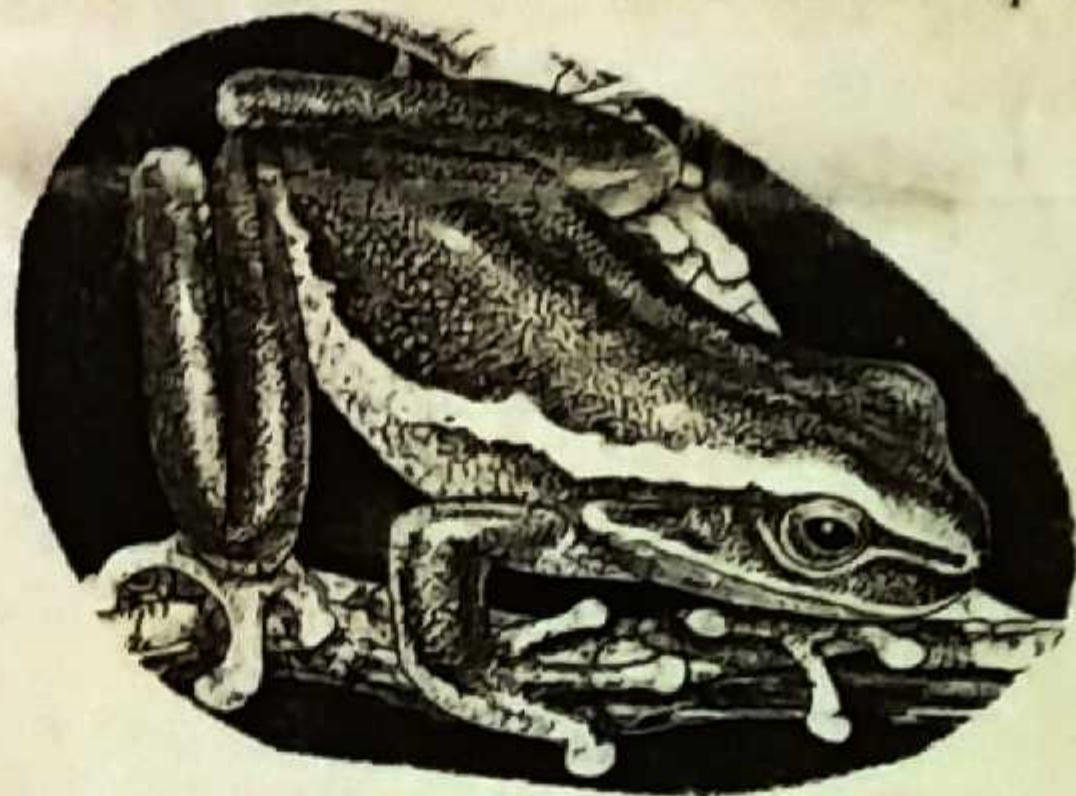
So far everything is going as hoped with the captive eggs having survived better than their wild counterparts. The critical stage will come when the tadpoles are to be released back into the wild. How well the captive raised frogs survive their first winter will be critical if this project is to be successful.

F.L.



## GREEN AND GOLDEN BELL FROG RECOVERY TEAM

The NPWS has recently formed this recovery team as part of its long-term program under the TSC Act. Arthur White is on this team as a FATS representative, an outcome which does our organisation great credit. This team will determine the best approach to ensure the long-term survival of this frog and provide direction to the funding agencies. It is hoped that this team will lead the way in developing strategies for frog conservation and recovery and will be the forerunner of other similar recovery teams for all species recognised to be in decline. If FATS keeps up its good rating it should have a representative on all of these teams, especially after the recognition of the ENDFROGS report.



### LISTING ON SCHEDULE 1

On the 23rd of April the NSW NPWS placed a notice in the Sydney Morning Herald notifying of several additions to the Schedule 1 and 2 listings of the Threatened Species Conservation Act. Included on this list was *Neobatrachus pictus* and so another frog is in a position to be protected. On this note, the ENDFROGS report has already identified several other species which could do with some protection under the Act, either as a whole species, a threatened population or by listing the activities threatening the species as a threatening process. The main problem with these species etc. getting listed is that someone needs to spend some time to put together a submission and perhaps FATS might think about doing that for a species such as *Litoria booroolongensis* which ENDFROGS shows should be a species of concern. Perhaps it is something that can be considered at the next meeting. However, it should be remembered that any species placed on Schedule 1 will almost certainly not be able to kept and bred. For species in genuine decline or under threat this should not be an impediment, but there are currently some species listed on Schedules 1 and 2 which might not require their current listing for protection, but be better protected through a listing of its populations or a threatening process. FATS members should also give some thought to this possibility as well.

### TWO NEW FROG PROJECTS

I thought that I'd just let everyone know that there are two Honours Projects on froggy things currently going on at the University of Sydney. The first is by Michael Green who is

looking at the effects of siltation on the tadpoles of stream dwelling species. He currently has a couple of species lined up and will be looking at the impacts of a couple of different siltation levels on their growth rate and gills. This information will be used to determine if activities such as road construction and logging are likely to have any impact on such species. Secondly, FATS's very own Julia Shoulder is attempting a tricky project looking at the effects of temperature on growth rates of tadpoles and especially, the physical characteristics of the metamorphlings. She has clutches being raised at three different temperatures and will be observing them to see what happens. Will they all be one sex? Will all the frogs in warmer water be bigger and stronger than those kept in cooler conditions? These exciting questions wait to be answered.

K.T.

### TADPOLES REQUIRED

As a further note to the above mentioned projects, Julia is on the lookout for very freshly laid clutches of tree frog eggs (preferably less than 24 hrs old). If anyone happens to have some amorous amphibians that are currently breeding or can be relied upon to spawn if provided with the right conditions Julia would be extremely interested in talking to you. She promises to bake the helpful person a chocolate cake.

### FURTHER RESEARCH BY FATS GROUP MEMBERS

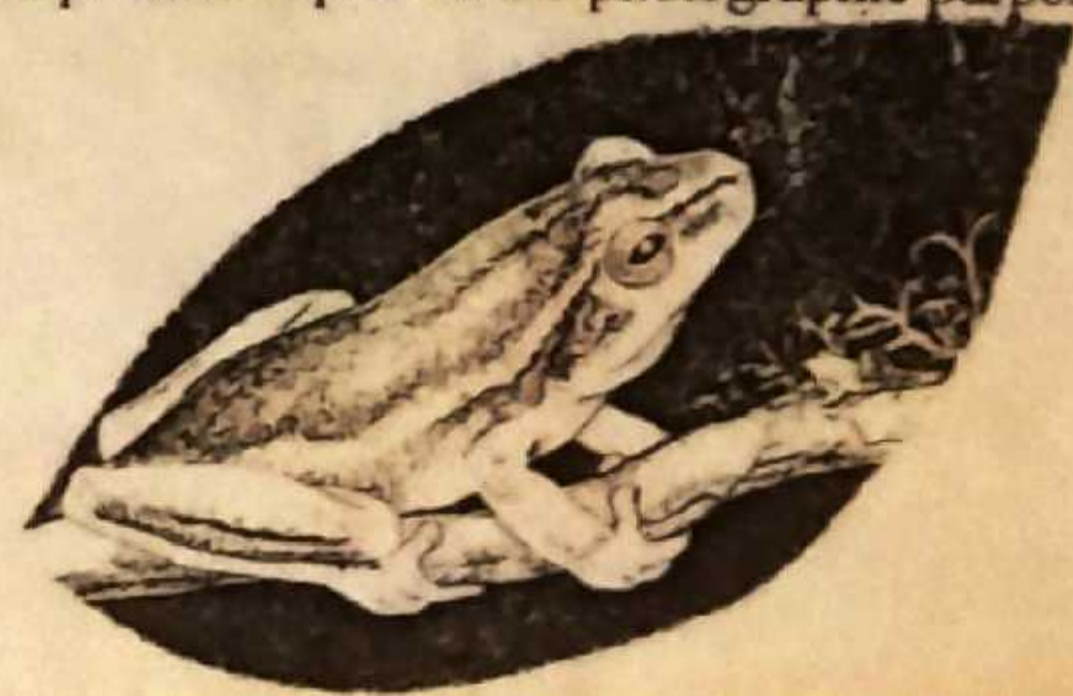
"I am continuing my attempts to discover more about the habits of the Wide-mouthed Burrowing Frog, *Cyclorana novaehollandiae*. On the 8th of April I received seven juvenile frogs from the Roma district and these have been incorporated into efforts to get them to breed and thus get a record of what the eggs and tadpole stages look like.

So far, all is well and they are feeding and growing at an alarming rate - devouring insects 2/3 their length, and pieces of fish or (desalted) prawns from forceps.

Their behaviour (and appearance) is rather different to members of the same species from N.E. Queensland in as much as these southern forms attempt cannibalism far more readily. The northern ones tend to let go if they grab a member of their own species by mistake. They also have an elaborate head down backside up display when confronted by a larger individual a behaviour so far not observed in the southerners! Still, all of this could just be local variation or juvenile behaviour. I just thought I'd share it with you."

Martyn has also noted that two live Cane Toads have been handed into the Museum recently. One was from Dural and the other from Springwood. He hopes that they are just isolated travelers and not from established colonies. They are being kept alive at present for photographic purposes.

M.R.





## FROGWEEK COMMITTEE

**F**rogweek is again approaching (1st week in November) and the question is what to do this year in order to help in the conservation of our frog fauna? To this end we are looking for a sub-committee of FATS members to consider the options and develop a program. These options are far ranging and could include such things as intensive surveys of known or suspected endangered frog sites, a massed school frog survey of NSW, an intensive assessment of the current status of a possibly declining species (e.g., the green tree frog) or collaboration with the Australian Museum and/or Taronga Zoo to educate people on frogs. All ideas are to be considered and the opportunity is there for people to join the sub-committee and get involved. You need only commit to a bit of time to discuss and decide on approaches which can then be submitted to the group for consideration. Any interested people should contact Frank Lemckert to get themselves and any ideas registered.

F.L.

## LICENSING UPDATE

**T**he mail-out of information is proceeding and by the time you have received this newsletter you should have also received the letters to be sent to the relevant authorities. The main hope is to have a meeting with Pam Allen herself to discuss the issue and present her with as balanced view of the situation as is possible before she makes her decision. The committee would ask that you do take the time to send in these or other letters if you consider that we should be allowed to keep at least some species of frogs in captivity. Conversely, if you as a FATS member are opposed to this point of view or to the current proposal please send your thoughts on the matter to Martyn (our illustrious president) so that we can take into account all our members points of view.

## LICENSING HOTTING UP

**F**unnily, just as the last issue went to press (the one that said nothing's been happening on that front for ages), NPWS finally released a frog keepers' licensing proposal for public comment. And a reptile keepers' one. And the race was on!

Without giving too much away to the "enemy", here is a quick summary of what's been happening.

We knew we had to outweigh the forces of darkness who demand that people should not keep frogs (nor most other animals for that matter). The Hobson's choice we had was to either forget about keeping frogs altogether or to accept that we can only keep them under license. Same for reptiles. The reasons have more to do with perceived community concern and with administration of law enforcement than with valid conservation issues, but in the end we accepted that, and we

asked all our members and our friends to write in and support the proposed licensing system.

And you responded overwhelmingly! From all we can gather, you have released a flood of letters and faxes to polities and public servants alike. At least 7000 frog and reptile letters - about 50/50 for each!!! Well, they did want the community to stand up and be counted, and that we did.

We also told some of the scientists and most of the environmental societies and the members of Parliament what's going on. Many of the MPs wrote back almost by return mail, and support from scientists and other groups was very, very nice to see. It was all very friendly and informative.

Although we didn't get to meet the Minister, she arranged for us to see her policy adviser, Pat Holland, instead. The meeting (on 15.5.97) started off with his observation that it appears we have won hands down. After this there was very little left for us to say ... And after that, we couldn't resist writing to the Minister to send her a copy of Martyn's Field Guide of Frogs and ensure that she definitely remembers by how much we won.

What will happen next? This is our best guess, based on information we have pieced together:

- Licenses could be implemented as early as August. On the other hand, there could again be long delays.
- There would be a two months "amnesty" period, during which time we can each apply for a license and declare which animals we got - which will then normally be put on the license (unless they're endangered species).
- Only one license will be issued per address (or per household).
- Respondents who wrote in favour of licensing will be replied to by the Service, and they will each be sent an application form for a license.

Other points are more speculative at this stage. We'll have to wait and see.

L.V.

## GREEN-THIGHED FROGS

**S**ome people will have seen the article on this frog in the Telegraph-Mirror on the 8th of May. Unfortunately, neither the State Forests of NSW or fellow FATS member Dr. Michael Mahony even rated a mention, even though it was them who told the RTA about the frogs and who have undertaken all the studies to tell the NPWS what to do. As noted, a bridge is to be built to help the frogs and monitoring will continue to determine how these froggies fare over the following years. When the study is completed I will provide you all with a summary of the results.

F.L.





## Frog Call Tapes

**T**apes of the Frog Calls of the Greater Sydney Basin and the Frog Calls of Northeastern NSW will again be available at the meeting. They cost \$15 each which is a considerable saving over retail price. The text was produced by members of our group and spoken by Richard Morecroft. The tapes are highly recommended by the group as a way of getting to know your frog calls.

J.R.

## THE NCC AND FATS

**N**ature Conservation Council of NSW is the name of the umbrella organisation of about 100 environmental and scientific societies which promote the cause of conservation. One of them, as of last month, is the FATS Group.

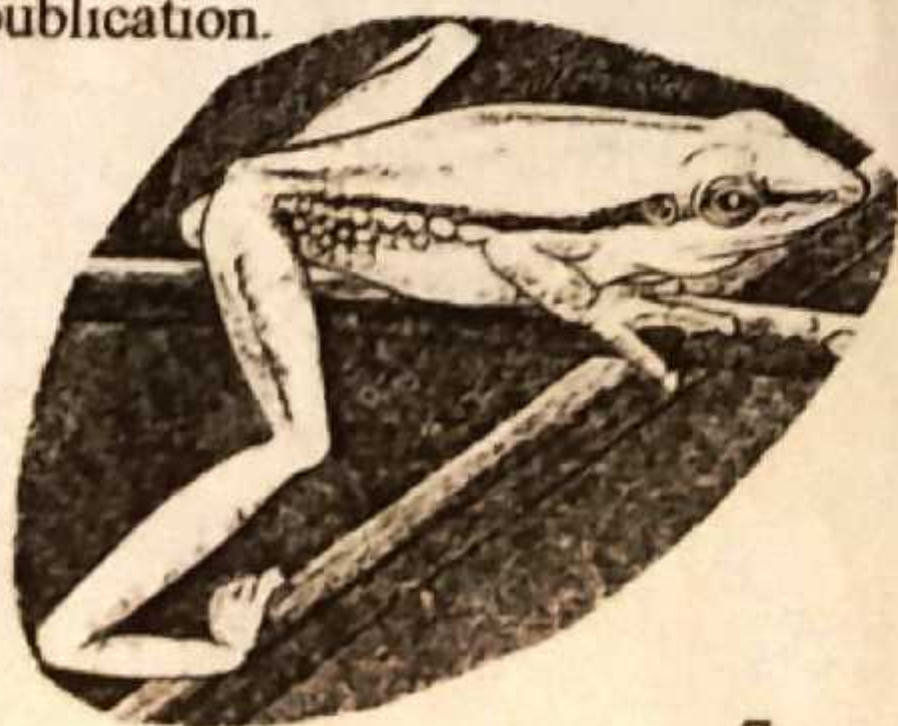
Belonging to NCC costs us \$160 per year, but it lets us plug into a network for developing and campaigning for conservation policies, for responding to government initiatives and disseminating information to the public. You will find their newsletters and information sheets in a folder on the table at our meetings.

The NCC mail-out for April was a thick packet with briefing notes on:

- environmental bills before Parliament,
- a report of the Environmental Liaison Officer to the NSW Parliament,
- calls for nominations to various boards, councils and task forces,
- information where grants may be available,
- conference reminders and upcoming events, including
  - Conference "Our National Parks: New vision for a new century" on 18<sup>th</sup> and 19<sup>th</sup> July. Phone (02) 9241 2052.
  - Conference: "Wetlands - Fish, Flow and Reform of Water Management" on 16<sup>th</sup> June. Ring NPA on (02) 9260 4553.
  - Conference: "Wetlands of the Arid Zone" on 17<sup>th</sup> June. Phone NPA on (02) 9260 4553.
- and a letter from the FATS Group to all member organisations asking them to support us, together with a copy of the amphibian keepers' licensing proposal!

The next NCC mail-out to their member organisations will include a flyer on our ENDFROGS publication.

L.V.



## FROGBITS & TADPIECES

**H**ow much do you love your frog? Last year I took one of mine to the vet, for a microbiology swab test of an open skin infection. I gave it Amoxil, and when the lab results came back, Topigen and Conoptal. Alas, it was all to no avail. The bill was \$135.05. What cheered me up again was a recent letter from the vet: "Your Treefrog is due for its annual revaccination". Your treefrog's appointment will also give you the opportunity to discuss any other health care matters, such as routine worming, diet, skin and dental problems, behaviour problems etc." As he also suggested to implant a microchip, this offer was almost too good to be true, but I just couldn't dig Henrietta up again. She had dried up a lot since he saw her last. But maybe the frogs on his dog data base need to be "vetted"? (Vell, ve could always invite him as a speaker at our meeting, couldn't ve?)

**Frogtalk** at North Sydney Council, at the Oval Function Centre on Wednesday, 11<sup>th</sup> June, 7:30 pm. Speaker: no idea - too many typos in my name to work it out. Bookings essential: Amelia Jones on 9936 8252.

**Frog and reptile workshop** in Quakers Hill on two consecutive Saturdays: 14.6. and 21.6.97, 9 - 5 pm. Ring Blacktown District Community College on 9622 1011.

**O'Reilly's Frogweek** runs this time from 7<sup>th</sup> to 12<sup>th</sup> December at their stupendous Lamington National Park venue. A mixture of spotlighting, BBQs, mod cons and lecture speakers Harry Hines, David Stewart, Glen Ingram and Neville Coleman. Telephone (07) 5544 0644.

**Our very own Frogweek** is, as per tradition, the first week in November, from Sunday, 2<sup>nd</sup> to Saturday, 9<sup>th</sup>. As always, we're gonna make a great big splash! If you can help in any way, please speak to the committee.

**Funding** to help get the ENDFROGS report published and to help produce more FROGFACTS is a bit hard to come by. After three years of experience in applying for Australian Frog Count funding, each time with shattering results, we barely got discouraged when the Department of Environment, Sport and Territories regretted they had no publishing money either. We simply took our case to the Natural Heritage Trust, in case they got any of that Telstra money yet. Never give up, froggies!

L.V.

## SYDNEY SOUTH HAS MOVED

**O**ur P.O. Box (still A2405, not A2045 please) is still where it should be, but the post office has got a new number: Sydney South 1235 (not 2000 any longer). We are now waiting for you to write in. Try it, you'll like it!



# Stuttering frog may scuttle mine

by MURRAY HOGARTH  
Environment Writer

SMH  
pg 5



April 14th

The plateau includes high-altitude wetlands, rainforest creeks and spectacular granite tors. It drains into the Timbarra River and on to the Clarence.

Timbarra was gold country last century and earlier this century, and soon will be again - assuming Ross Mining has its way.

The elusive amphibians have the pro-mine Tenterfield Shire Council worried after mine opponents threatened court action.

The council has deferred a deci-

sion on Ross Mining's application to expand one planned open pit and to develop another until the company provides more data on the frog.

"There is some dispute over whether they are there," said the council's acting general manager, Mr Bill Naylor. "In the Statement of Environmental Effects it says the habitat possibly is that of the stuttering frog."

A frog specialist, Dr Michael Mahoney, said yesterday there was no doubt the frogs were present and that excavations and blasting threatened them. "I collected two tadpoles there," he said. "By my own eyes I know it is there."

Ross Mining has a mining lease covering 400 hectares granted a year ago by the Department of Mineral Resources, and expects to start work on mine development by July, with ore production in the new year.

"Our core objective is to do the right thing environmentally," said Ross Mining's chief executive, Mr John Lawton. "We actually see it as an opportunity to show what

mining can do in this sort of area."

But the mine's opponents, the Timbarra Protection Coalition, fears environmental destruction.

"Goldmining is an extreme hazardous activity," said the coalition's president, Mr Dave Julia. "The cyanide leaching process and on-site smelting of gold involve large amounts of toxic chemicals."

The Environment Protection Authority, which identified the area as having outstanding conservation values, has yet to finalise its pollution licence requirements for the mine which will take up to two megalitres of water a day from the Timbarra River via a 6.5 kilometre pipeline.

The coalition also fears that the mine will use its surrounding exploration licences to add more pits to the project.

"Ross Mining's full ambition is to construct up to a dozen open mines on the plateau, many of the within water courses," said Mr Julia.

Mr Lawton denied there were 10 potential mines, but agreed Ross Mining had substantial exploration potential in the area.

## CONTACTS

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(02) 9599 1161  
  
(02) 9320 6065 (w)  
(02) 9871 6941 (w)  
  
(02) 9482 1017 (h)  
(02) 9906 2538 (h)

**DON'T FORGET THE AGM TO BE HELD IMMEDIATELY BEFORE THE NEXT GENERAL MEETING. IF YOU WOULD LIKE TO STAND FOR A POSITION ON THE COMMITTEE THEN PLEASE SEND IN YOUR SIGNED FORM TO THE PRESIDENT (PREFERABLY AT LEAST A WEEK BEFORE THE MEETING) TO GIVE YOURSELF A CHANCE TO BE ELECTED.**

**MAYDAY! MAYDAY!  
PAYDAY, ACTUALLY. YOUR RENEWAL IS DUE AT THE END OF MAY (UNLESS YOU'VE JOINED UP VERY RECENTLY). WOULD YOU PLEASE MAKE USE OF THE ENCLOSED MEMBERSHIP FORM BEFORE YOU LAY THIS NEWSLETTER ASIDE?**

And our thanks to all people who helped with the Newsletter and postage.



Your FATS Group

We hold six informative, informal, topical and practical meetings each year at the Australian Museum (William Street entrance) in Sydney. Meetings are held on the first Friday of every even month (February, April, June, August, Oct. and Dec.) at 7 pm for a 7.30 start. Visitors are welcome. We are actively involved in monitoring frog populations and in other frog studies, and we produce the newsletter FROGCALL and FROGFACTS information sheets.