

FROG CALL No. 10

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NEXT MEETING

Wednesday 2nd February 1994
 7:00 for 7:30 pm
 Hallstrom Theatre, Australian Museum
 (cnr. College & William Streets, East Sydney)
 William Street entrance and follow the sign.

SPEAKERS

| | |
|-------------------|---|
| (Mystery speaker) | (Mystery topic) |
| Harald Ehmann | What comes after Frogweek 93? |
| | The AFC? |
| | FATS GROUP Inc? |
| various | Summary of 2nd World Congress of Herpetology |
| Lothar Voigt | Proposed NPWS licensing for keeping frogs |
| AS ALWAYS | Visitors welcome |
| | Your \$2 donation at the door cheerfully accepted |
| | Refreshments provided |
| | Updates on projects |

Handwritten notes:
 1994 Frog Week
 1994 Frog Week
 1994 Frog Week

SPECIAL FROGWEEK ISSUE

The FATS Group ran Frogweek from 1.11. to 7.11. 1993. Its main purpose was to commence a major frog survey with public participation, concentrating on the species we are most concerned about.

ENDFROGS: THE 21 SPECIES

These are the eastern NSW frog species that are the subject of the Endangered Frog Survey, together with the number of sites we found them at during and around Frogweek:

| SITES | SEEN/HEARD | NAME | |
|------------------|------------|--|--------------------------------------|
| 20 | s&h | <u>Assa darlingtoni</u> | Marsupial Frog |
| 5 | s&h | <u>Crinia tinnula</u> | Wallum Froglet |
| 4 | s&h | <u>Heleioporus australiacus</u> | Eastern Owl Frog |
| None (intensive) | | <u>Litoria aurea</u> | Green & Golden Bell Frog |
| None | | <u>Litoria brevipalmata</u> | Green-thighed Tree Frog |
| None | | <u>Litoria castaneafflavipunctata</u> | Monaro Bell Frog/New Engl. Bell Frog |
| 2 | s&h | <u>Litoria "jervisiensis" (being descr.)</u> | Heath Frog |
| 1 | s&h | <u>Litoria olongburensis</u> | Wallum Reed Frog |
| None (intensive) | | <u>Litoria piperata</u> | Freckled Tree Frog |
| 1 | s&h | <u>Litoria raniformis</u> | Growing Bell Frog |
| 1 | s | <u>Litoria spenceri</u> | Spotted Tree Frog |
| 1 | h | <u>Litoria subglandulosa</u> | Tablelands Tree Frog |
| 1 | s | <u>Mixophyes balbus</u> | |
| None (intensive) | | <u>Mixophyes fleayi</u> | Giant Barred Frog |
| 2 | s | <u>Mixophyes iteratus</u> | Yellow-bellied Mountain Frog |
| Not checked | | <u>Philoria kundagungan</u> | Border Ranges Mountain Frog |
| 1 | s&h | <u>Philoria loveridgei</u> | Sphagnum Frog |
| Not checked | | <u>Philoria sphagnicolis</u> | Red-crowned Toadlet |
| 10 | s&h | <u>Pseudophryne australis</u> | South eastern Toadlet |
| 8 | s&h | <u>Pseudophryne bibronii</u> | Corroboree Frog |
| Not checked | | <u>Pseudophryne corroboree</u> | |

FROM THE FROGMOBILE LOG BOOK

The public, the media, even the frogs, have never seen anything like it. So many things happened in the grip of Frogweek fever. The visits to schools by FATS Group members; the big splash with the press at home (e.g. ABC TV Gardening Australia, ABC radio Green & Practical, the Blacktown Star cover story); the Frogfleet that set forth to the farflung reaches of the State. This account chronicles the fleet's progress down and up and up and down eastern NSW, from 1.11. to 15.11.93, i.e. during Frogweek itself and the week thereafter.

The core of the fleet consisted of two Frogmobiles, new fancy Nissan Patrols on free loan for the two weeks from Nissan. They were joined for most of the fortnight by a variety of other vehicles, some containing local froggers, others with Sydney members joining the action for as many days as they could spare.

Wherever we went in the countryside, we found the media keen to let people know about the plight of frogs and about the endangered frog survey, and they were always happy to put in a request for the public to send us sound recordings and to write to us for Frogfacts. We also experienced tremendous interest from country people including landholders. We would still be standing there talking to them if there had been no schedule to keep.

During the day it was mostly people but at night it was frogs that tied us up (metaphorically speaking). Over the 14 days we inspected 104 sites, a feat made possible by relegating sleep to whatever time was left between 3:30 a.m. (by when our eyes were as red as those of our logo frog) and 7:30 a.m. (when the sunshine started boiling us). The weather was not good, mostly sunshine and blue skies, but it improved briefly here and there with rumbling clouds and a bit of rain. All in all, we saw eleven of the endangered frog species, five of them holding their own but three of them apparently sliding. Five species were not found despite intensive searches. (In many cases their environment had been rendered unuseable.)

Monday, 1.11.

Picked up the two 4WDs at Nissan. Put big magnetic stickers on doors to turn them into Frogmobiles 1 and FM2. Harald and Lothar headed south in FM1, Shane scheduled FM2 crews, staffed Sydney base and faxed press releases ahead.

Harald and Lothar sped to 3 sites, looking for the Monaro Bell Frog (none found), then to Jarrambombarra Wetlands, the backdrop for a WIN TV Canberra news interview.

Left material for Canberra Times who used it for an article.

Saw Heath Tree Frog in S.W. Sydney basin area.

Tuesday, 2.11.

Interview with Illawarra FM radio.

Collected Garry Daly in Nowra.

Left press material with South Coast Register who then ran an article with picture.

Drove via known Green & Golden Bell Frog site in Shoalhaven area (none seen, too dry).

Sent information to Radio 2ST in Bowral.

Met with David Skelly at Comaditchy Lagoon near Wollongong, a former Green & Golden Bell Frog site. Interviewed there by:

* Illawarra Mercury (with colour pix) * WIN Illawarra TV * Prime TV

Then (Harald, Garry, Lothar in FM1) to Barren Grounds Nature Reserve. Found:

* Eastern Owl Frog

* Heath Tree Frog (incl. all pre-frog stages)

Checked more sites in the area.

FM1 and Garry to Darkes Forest. Joined Barbara, Jacquie, Karen and Shane in FM2, also Peter.

Hampered by windy, cold conditions.

Found 8 species at a pond which is a potential demo site for frog habitat rehabilitation.

Garry back to Nowra.

Back to Sydney via Owl Frog sites in Royal N.P. (none heard, too dry).

Wednesday, 3.11.

Final organising from Sydney for the big push north.

FM1 & FM2 & Martyn for press conference/public display in Centennial Park.

Harald interviewed by Green & Practical and by Southern Region NP&WS.

Lothar interviewed by Telegraph Mirror. Material given to SMH.

FM1 (Harald, Lothar) met again with FM2 (Karen, Shane, Barbara) at Ourimoh - poor frog activity. Then, joined by Michael Mahony and Paul, to Wattagan S.F., particularly to Boarding House Dam: cold, low rainfall, no endangered frogs found.

FM1 headed north.

Thursday, 4.11.

Interview with pix for both

* Port Macquarie News * Port Macquarie Express

Radio 2NC interviewed Harald on the car phone.

Sydney base sent faxes up to Prime TV and NRTV.

P.R. stop in shopping centre car park. Fruiterer doing frog info display.

Drove further north via coastal wallum.

Looked for Wallum Froglet on route to Crescent Head, none found (very dry).

Also looked for Green & Golden Bell Frog, no luck.

Camped south of Coffs Harbour.

Friday, 5.11.

Harald's usual morning exercises: data recording, photography, campaign planning.

Live radio interview with ABC Coffs Harbour.

Met up with Alan Manning.

Newspaper interview with Advocate (we have copy).

Lined up NBN TV interview with Alan for following week.

Also radio interview with frog calls for next week breakfast broadcast.

Dropped info for Bellingen Courier Sun and for Radio 2CHY (Coffs Harbour Youth station).

Went to Wallum Froglet site, at swamp and ditch by road. None found; it had dried out completely and only recently refilled. (Alan reported them calling strongly 2-3 months earlier.)

Went to some of Alan's forested study sites. Found tad of Great Barred Frogs. (In the following week, Alan found three species of Great Barred Frog at this site.)

Looked at Gold-eyed Barred Frog sites.

Stayed at Alan's. Thank you, Dick, Margaret and Alan Manning for your hospitality.

Saturday, 6.11.

NRTV interview at Coffs Botanical Garden.

Harald photographed more tad, recorded more data sheets.

Visited Coffs Harbour Zoo. Alan had prepared an excellent endangered frogs exhibit with an information sheet and much local awareness activity. (His follow-up work in the next week yielded 9 Gold-eyed Barred Frogs from a site where a cat had mauled an adult specimen which was then brought in to the Zoo.)

Next whistlestop: Lismore. Met Prime TV at Boatharbour and recorded material for news presentations in 2 regions.

Camera-man transfixed by hat nearly floating away in wading-across-deep-river scene.

Bangalow: The birth of the Bangalow Burger, a family size, industrial strength hamburger, now world famous in Bangalow.

Met David Stewart, renowned nature sound recorder, and son Alistair, at Tyagarah Swamp. They introduced us to the Wallum Froglet and the Wallum Reed Frog. Both species were calling. Wallum Froglet tad found and one Wallum Tree Frog metamorph.

In Byron Bay, met up with Barbara and Liz in FM2 and with Peter.

Followed David to Boggy Creek in Whian Whian S.F. where we saw Great Barred Frog tad and many other breeding species.

On to Rummery Park. Heard several species calling but none of them endangered.

Saw Koala and Echidnas. Stayed at Stewart's property, thank you, David, Barbara, Don & Alistair for your hospitality.

Sunday, 7.11.

Live radio interview with Australia All Over.

Sampled David's frog sound recordings. Discussed some sound recording projects for the 1994 frog sound surveys.

Big Great Barred Frog tad in David's concrete tank, pH 8.2. Mystery how they got in, it's 1.8m high!

Back to Rummery Park for lunch. Joined by Danny and Angus. Then Boggy Creek to check on spawnings from the night before.

Barbara and Peter returned to Sydney.

Angus and Danny reconnoitered Ocean Shores. We met them again at Tyagarah Swamp, found Carpet Python and many calling Wallum Tree Frogs and some Wallum Froglets.

Went to Ocean Shores, looked for Green & Golden Bell Frogs without success despite seemingly ideal conditions for them.

Drove to Nullum S.F. and camped there the night.

Monday, 8.11.

Rendezvous with photographer of Brunswick Echo at Nullum S.F. swimming hole.

Drove on to Mt Warning Lodge, met up with Noelene. Again 4 vehicles in convoy. Mt Warning Lodge is owned by Noelene's friend Lindsey Cooper who accommodated us all for the next 2 nights for free! Moreover, the Lodge is right in frog heartland! (Maybe a future North Coast Frogfest venue - Woodstock move over!)

Danny and Lothar dashed to Dan's old home town Lismore and were interviewed by the Northern Star. Nice article with photo of Danny and travelling pet frog Henrietta.

Night drive to Border Ranges N.P. Marsupial Frogs calling at Harald's various study sites, but lower down the slopes than in past years. Found 2 Border Ranges Mountain Frogs together. Thousands of glowworms under a wooden bridge at Brindle Creek. Danny and Harald drove on to check on a Green Thighed Tree Frog site (negative result), while everybody else had piled into FM2 to catch a few hours sleep at the Lodge.

Tuesday, 9.11.

Lothar was up early for a pre-arranged 2LM radio interview. By the time he got through they had found out that they had already covered us the week before. Maybe no more virgin press left up there!

Harald was awoken by excitement about a very dead and stinky 50cm Major Skink. Lothar had brought it in and had placed it on the porch railing so that Harald could only see its tail and would hopefully sneak up and do an Ehmann Pounce on it. Which he did. With a splat. It ran away between his fingers. In all directions. It was so revolting. We were all doubled up.

Back to Border Ranges N.P., then to Sheepstation Creek. Found Marsupial Frog eggs in leaf litter under a log. Searched for *Mixophyes balbus*, no luck

Danny and Angus went back to Dan's parents' place in Lismore, the rest of us returned to the Lodge, this time with several hours to spare before dawn.

Wednesday, 10.11.

Drizzle. Thankful for Lindsey's hospitality and for the change in weather we headed back to Tyagarah Swamp.

Bulldozers revving and making a racket. Heard both Wallum Froglets and Wallum Reed Frogs calling through the din. Ear filters would have been useful!

Caught up again with Liz, Noelene, Angus and Danny at Casino. Met up with local herpetologist Harry Hines at former Freckled Tree Frog site near Pinkett (in fact, THE type locality). Nowadays the steep hilly site is extensively ringbarked and grazed. The three creeks are in places coated with a lining of cattle poo. Undeterred, we waded up and down, dipnetting and upending ourselves, splitting up into teams and reformatting ourselves. Despite all this and despite ideal weather conditions, no Freckled Tree Frogs or any unusual tadpoles were to be found. We wrenched our tin cans open and we ate where we stood.

Thursday, 11.11.

After Harry Hines returned to Armidale and Angus left for Coffs Harbour, the remaining five of us went on an intensive daytime search for the Freckled Tree Frog. Nothing. (John Barker, who was involved in finding most of the type material, had provided his detailed experience of the species. Many thanks to him.)

We had a tape with an ominous growl on it. Shane had played the growl over the mobile phone from a tape the public had sent in from the Goulburn area. A clear growl, like a Growling Bell Frog one, with a background of Eastern Banjo Frogs banking away. Before we allowed ourselves to get too excited, we thought we'd better check whether Eastern Banjo Frogs can make that growl too as their release call. So we got our tame E.B.F. out, only he wouldn't give a murmur - too tame and too famous from constant press exposure. Luckily there was also a group of E.B.F.s pobblebonking just where we camped, with males struggling with each other from time to time and then doing that selfsame growl as on the tape! We had just saved ourselves a wild goose chase to Goulburn, thanks to the wonders of communications technology and to the cooperative effort between the recording public, our Sydney base, our field people and the E.B.F.s themselves.

We then drove on to hunt the New England Bell Frog, a species that was common but seems to have disappeared ten years ago. Again nothing. Native tussock grass with its hiding places had been replaced by smooth improved pasture and camps looked trampled about. Although that may not be the whole story, New England did not look like a nice place for the N.E.B.F.

From a bridge after dark we heard the Tablelands Tree Frog calling. Then, when we got to its type locality, there was no sign of them. Nutrient loads were very high and the water looked bad.

At Ebor, the Frogforce was formed. We had no intention of filing into an ominous looking pub until all our cars had pulled up. Our misgivings proved correct, for the only service available (eventually) was some hot water. In the meantime though we had brainstormed all available coasters full of great ideas for next year's frogging. (The next Frog Call will probably be in coaster format.)

The rest of the night was spent snoring in the unaccustomed luxury of a motel in Armidale.

Friday, 12.11.

The great drive home for some, the drive for Harald and Dan to Barrington Tops to teach the Herp. Techniques course.

Six frog species seen in Allyn River area.

Saturday, 13.11.

Lothar went with Peter and Mark Wilson to Upper Colo. An Eastern Owl Frog site had dried up, but one E.O.F. (a female no longer gravid) was sitting in the road nearby although the rain had long stopped. Checked out a Rocket Frog chorus and other local species.

Shane, Barbara and Karen went back to Ourimbah: 11 species, all females gravid. Red-eyed Tree Frogs calling, although no rain.

Sunday, 14.11.

Barbara and Shane, again at Darkes forest prior to their return with our thanks. Untying of soggy boots from rear bumpers. Beginning of drying out process of froggers and of weaning from nocturnalism. Only then will we be human again. Reedit!

P.S.

The vehicles had handled like a dream, in all terrain. Deceptively quiet and prone to flying along the highway above the speed limit (as was explained to the friendly radar cop). If you like frogging in comfort and in style, well, it's a pity if you couldn't come with us.

Book your frog holiday in for next year: FROGWEEK 94 -31st October - 6th December

P.P.S.

Frogweek is not yet wrapped up until you have photocopied the following article and hung it on notice boards or wherever else you think it'll do the Most Good. Many thanks. (LV)

THE BIG FROG WRAP-UP

There came a time when the Pope of the Frogs decreed that every spawn was sacred, every tadpole good. The planet quickly became twice its size and consisted of frogs all the way through. After the Great Carniverous Act all that was left was the GSF, the Giant Space Frog. The GSF then jumped at the Moon and ate it. Then the GSF proceeded to eat all the planets and finally the Sun. This was when he became truly magnificent, for the Sun shone out of his cloaca. The Sun also propelled him forwards, and by pursing his cloaca in the right way he steered to other solar systems where he appeared as a comet in their skies before he consumed them all.

The GSF grew and grew. Between the galaxies he left a swathe of darkness, intent on eating the remaining ones on his way back when he would make the Universe shrink again.

In the end God's neighbours became concerned. "You have an annoying frog on the loose in your Universe" they said, "we don't want him translocated to our universes." And God said in His deep, resonating voice, "I shall maketh him pop", and He made him pop. And in that instant of the Big Pop, when our present Universe began, there were spawnions and tadinos and frogotrons flying everywhere, to condense eventually into ordinary matter like us.

Those people who were in tune with nature thought that God must have done something. Only, they thought it was humans who had been created in His image, and many died with surprised looks on their faces.

A few others began to understand the Miracle of the Metamorphosis and worshipped the Trinity: the Spawn, the Tadpole and the Holy Frog. They followed their Calling and went out into the swamps and wilderness to Save the frogs. They began to show people how to make damp places. Wherever they went they made the Sign of the Frog and converted others to record the sounds of the frogs. Frog future became inextricably wrapped up with sound recording tape, for each species has been given its own distinctive call. And if recorded, their calls will be heard so that those species in greatest need will be spared.

Thus the planet will become a lovely damp place once again and the frogs' chorus will be beamed into space on many frequencies and the mosquitoes will be no more.

To help make all this happen, there are three things that you should do:

- 1. Take your tape recorder to places where frogs are still calling. This is usually best done after dark and especially after rain. Take a five minute sound recording at each location and also speak onto the tape where the exact location is, the date and the time. Do this at as many locations as you wish, possibly over a week or more. Also add your name, address and phone number and send your tape to the Frog & Tadpole Study Group, P.O. Box A20405, South Sydney, 2000. We will send the tape back to you with the names of the frogs we have heard and whether any of them are rare.*
- 2. Send a stamped self-addressed (long) envelope to the above address and ask for our free brochures "Keeping Frogs in Your Garden" or "Establishing Frog Habitats on Your Property".*
- 3. Become a Frog & Tadpole Study Group member and send to the above address eight 45cent stamps for receiving the next eight newsletters.*

Join the Frogforce. And may the Frog be with you!

(LV)

ENDFROGS SURVEY FORM & VOLUNTARY TIME FORM

Enclosed in this issue are two forms for you:

The Survey Form, to fill in during your field work. This ensures that your data is reasonably complete and compatible with that of others. Please copy more as needed, and send the completed ones to our post box. The form comes with a guide to its use (which is too hefty to copy and hand out to all but the activists in remote areas). If you have a query about the form's use, please ring one of the numbers at the top of the front page.

A form in which you can record how many hours you have put in for the good cause. For official field trips and where the Group gets useful data back, you can also claim your kilometers for reimbursement on that form. Ring Lothar if unsure.

FROGWEEK AT THE ZOO

A fax from Taranga:

"I wish to report that "Frogweek" at the zoo was a great success. The herd department and graphics did a wonderful job with the limited resources available.

The zoo's education department, I'm sure, inspired many budding froggers of the future by introducing kids to the wonderful world of frogs. All school groups received "Frog Facts No. 2" (about creating a frog pond) and activity sheets directed at froggy things such as looking for tadpoles in moats and ponds around the zoo and observing frogs on display and matching up frog feet with frog names. Teachers also talked about frogs and why many appear to be in big trouble. Schools were encouraged to do follow-up activities like identifying a frog environment near their school and studying it or writing a frog story or poem.

All in all I'm sure there are now a lot more people aware of the plight of frogs and hopefully we may see some of them at future meetings.

See you soon,

Sharon Robertson"

FROGWEEK AT SCHOOLS

Liz, Scott, Danny, Karen, Jacquie and many others went out to schools to speak to kids and teachers, to set up displays or to start activities. Martyn gave talks to WEA and SGAP, Danny produced a handout integrating frogs and tadpoles into the science & technology syllabus. (And NPWS agreed to us taking frogs to schools for Frogweek purposes.)

A note from Karen:

1. The Gould League Competition's topic for 1994 is "Rainforests". The G.L. reaches thousands of children each year with good quality information. Their calendar for 1994, for example, features Frogweek! This is a chance to "indoctrinate" the children with frog enthusiasm. Is there anyone who has information on Rainforest Frogs which could be collated and passed on? Think about Kyranus, Rheobatrachus, Mixophyes, the topic of disappearing frogs. Contact Karen (482 1017)
2. Two of the Gould League prizes were won for projects on "Red-crowned Toadlets". Please see SMH, Monday 23.11.93, where they got two mentions. The one poster was displayed very prominently at the prize presentation.
3. The Frogweek display in the Kalkari Visitor's Centre in Ku-ring-gai C.N.P. has been praised. One of the rangers would like something like it for a mobile display for the NPWS. How about a theme such as "Frogs in Sydney" with some stunning photos?
4. Frogs were taken into a pre-school in Hornsby and into the infants and primary sections of Hornsby North P.S. Hornsby North, as usual, jumped on the topic and did frog craft, frog books - they even counted frogs! We were thanked in the newsletter and have been inundated with requests for identifying tads ever since!

(K.T.)

P.S. - The committee meeting of 23.11. agreed to a \$100 prize (to be raised by raffle) for a Gould League competition on frogs: \$50 senior, \$30 intermediate, \$20 Junior school

P.P.S. - The same meeting also expressed the FATS Group's thanks to the many members who put so much of their time and effort into making Frogweek work so well!

BEYOND FROGWEEK - THE MEDIA WON'T STOP

Hardly a day goes past without Frogweek or at least its message being mentioned on TV, the radio or the papers. Particularly useful is the printed message, showing the post box for sending tape recordings to - and both SMH Column 8 and the Gardening Australia magazine obliged in December.

At the end of November, the Illawarra Mercury and Prime TV had a field day at a swamp we took them to. Harald had found a large colony of Green & Golden Bell Frogs in the Illawarra area, with 40-60 males calling, and with amplexing pairs and spawn around. But cattle were around as well. The local farmer agreed for us to put an electric fence he provided across his swamp to give the frogs a break from being trampled. The press (who had already covered us for Frogweek earlier that month) now covered the laying of the frog fence from all angles.

Green & Golden Bell Frogs at the Olympic site also made the front page of the Herald on 19.11. ("Hop it, sport, we need the pond") and those at Greenacre filled not only the brick pit but also the local Courier's front page.

A few years ago, TV documentaries gave us mangrovesmania; now they have discovered frog frenzy. Quantum suggests their beneficial properties extend to curing warts, others report on an Ecuadorian frog with a painkiller 200 times stronger than morphine. Every radio listener is becoming familiar with what frogs and canaries have in common, and newspaper

readers are heartened by court decisions where frogs won against developers (such as the Eastern Owl Frog vs the proposed Bombaderry Creek road). Frogs are the new loveable underdogs, we feel for them, we could almost kiss them for their own sake.

Effectively protecting them is a little bit harder.

(L.V.)

THE LAST MEETING

Lothar gave a slide show on an endless holiday "Frogs, the Kimberleys and everything", designed to make everybody envious and leaving one wondering why this guy has so much time on his hands.

Danny gave a talk and handouts for people giving Frogweek talks at schools.

Harald gave a fieldwork methodology talk for those going on Frogweek field trips.

Arthur ('Arfa') won the raffle (a bottle of champs surrounded by 20 empty paper cups). He could have won it easier had he brought any of his Blue Mountains Tree Frog slides along. In the absence of anyone's citropa pix, the bottle was raffled instead of giving it back to Lothar.

BOOKS

A. The AHS takes orders from its members for discounted books. We will take orders at the Fats meeting and pass them onto Peter McGovern or you can see him at AHS meetings (every 4th Friday of the month, Hallstrom Theatre, Australian Museum).

| | | | |
|--------|--|----------|--------------|
| Cogger | Reptiles & Amphibians of Australia | \$57.00 | RRP \$89.95 |
| Ehmann | Encyclopedia of Aust. Animals - Reptiles | \$37.00 | RRP \$49.95 |
| Tyler | Encyclopedia of Aust. Animals - Frogs | \$25.00 | RRP \$29.95 |
| | Encycl. whole set incl mammals, birds | \$123.00 | RRP \$170.00 |
| Shine | Aust. Snakes, a Natural History | \$22.00 | RRP \$39.95 |
| Weigel | Care of Aust. Reptiles in Captivity | \$12.00 | RRP \$18.00 |

B. Lothar brought 3 copies of the \$7.00 booklet "The General Care & Maintenance of White's Tree Frogs and White-lipped Tree Frogs" from Adelaide and is selling two.

THE NEXT ISSUE

Frog Call No. 11 will be another special issue, this time on highlights from the Congress (and there were plenty). It will also feature articles that didn't make it into this issue, plus all the good stuff you will be sending me shortly.

If you wish to stay on the mailing list, simply send eight 45 cent stamps to Jacquie unless you have done so already - to cover postage for the next 8 newsletters:

Jacquie Recsei, 14 Wallace Close, Hornsby Heights, 2077.

PS a new frogging word now in common use thanks to Harald.....

"Farballing" v. 1. to listen for and identify frog calls by passing habitat preferably leaning far out of the car/frogmobile window, travelling at optimum speed.

SECTION 1 - LOCATIONAL DATA

| | | | |
|----------------|-----------|---------|-------------------|
| OBSERVERS | | | DATE: |
| LOCATION | | | |
| RESERVE/FOREST | | | |
| AMG LOCATION | Map Name: | Map N°: | |
| | Scale: | Zone: | Easting/Northing: |

SECTION 2 - MAJOR SITE DESCRIPTION

| SURROUNDING DOMINANT VEGETATION | | | | | | |
|---------------------------------|---|--|---|---|--|--|
| HABITAT | <input type="checkbox"/> RF <input type="checkbox"/> Riparian | <input type="checkbox"/> WS <input type="checkbox"/> Alpine | <input type="checkbox"/> DS <input type="checkbox"/> Heath | <input type="checkbox"/> WD <input type="checkbox"/> Grassland | <input type="checkbox"/> Exotic <input type="checkbox"/> Mallee | <input type="checkbox"/> Swamp <input type="checkbox"/> Urban |
| SUCCESSION STAGE | <input type="checkbox"/> E | <input type="checkbox"/> ERc | <input type="checkbox"/> ARa | <input type="checkbox"/> M | <input type="checkbox"/> UA | <input type="checkbox"/> OG |
| HABITAT DISTURBANCE | <input type="checkbox"/> Logging <input type="checkbox"/> Clearing <input type="checkbox"/> Vehicle <input type="checkbox"/> Drainage <input type="checkbox"/> Stock <input type="checkbox"/> Other | | | | | |
| If Logged: | How Many Stumps: <input type="checkbox"/> > 16 ha <input type="checkbox"/> ≤ 15 and > 4 ha <input type="checkbox"/> ≤ 4 ha | | | Time since logging: <input type="checkbox"/> < 20 yrs ago <input type="checkbox"/> ≥ 20 yrs ago | | |
| TREE HEIGHT | On Land | <input type="checkbox"/> 0-5m | <input type="checkbox"/> 6-10m | <input type="checkbox"/> 11-20m | <input type="checkbox"/> 21-30m | <input type="checkbox"/> > 30m |
| | On Water | <input type="checkbox"/> 0-5m | <input type="checkbox"/> 6-10m | <input type="checkbox"/> 11-20m | <input type="checkbox"/> 21-30m | <input type="checkbox"/> > 30m |
| TREE COVER | On Land | <input type="checkbox"/> < 30% | <input type="checkbox"/> 31-50% | <input type="checkbox"/> 51-70% | <input type="checkbox"/> > 71% | |
| | On Water | <input type="checkbox"/> < 30% | <input type="checkbox"/> 31-50% | <input type="checkbox"/> 51-70% | <input type="checkbox"/> > 71% | |
| UNDERSTOREY | COMPOSITION: <input type="checkbox"/> Rainforest Species <input type="checkbox"/> Eucalypt regrowth <input type="checkbox"/> other shrubs | | | | | |
| | % Cover | <input type="checkbox"/> < 30% | <input type="checkbox"/> 31-50% | <input type="checkbox"/> > 50% | | |
| GROUND COVER | COMPOSITION: <input type="checkbox"/> Rock _____% <input type="checkbox"/> Log _____% <input type="checkbox"/> Litter _____% | | | | | |
| | <input type="checkbox"/> Sand/Soil/Gravel _____% <input type="checkbox"/> Grass _____% <input type="checkbox"/> Other Low Veg _____% | | | | | |
| GENERAL COMMENTS | | | | | | |

SECTION 3 - SPECIFIC SITE DESCRIPTION

| SITES AT WHICH FROGS WERE FOUND | | | | | | |
|--|--|---|--|--|---------------------------------|--|
| TIME OF COLLECTION: | TIME SPENT ON SITE: | | SITE ELEVATION: | | | |
| WEATHER | CLOUD COVER: _____ % | | RAIN CODE: 0 1 2 3 4 5 | | | |
| | WIND DIRECTION: (circle) N NE E SE S SW W NW | | | | | |
| | WIND STRENGTH: STRONG MEDIUM CALM | | | | | |
| AIR TEMPERATURE | WET _____ °C | DRY _____ °C | WATER TEMPERATURE: _____ °C | HUMIDITY _____ % | | |
| WATER | STILL <input type="checkbox"/> | FLOWING <input type="checkbox"/> How Fast _____ m/s | | | | |
| COLOUR | CLEAR <input type="checkbox"/> | STAINED <input type="checkbox"/> | TURBIDITY | Clear <input type="checkbox"/> | Cloudy <input type="checkbox"/> | |
| SMELL | STRONG <input type="checkbox"/> | LITTLE <input type="checkbox"/> | NO <input type="checkbox"/> | SALINITY: | CONDUCTIVITY: | |
| FROTH | STRONG <input type="checkbox"/> | LITTLE <input type="checkbox"/> | NO <input type="checkbox"/> | pH: | | |
| WATER BODY | TEMPORARY <input type="checkbox"/> | PERMANENT <input type="checkbox"/> | MAN-MADE <input type="checkbox"/> | NATURAL <input type="checkbox"/> | | |
| SITE: | WIDTH: _____ m | LENGTH: _____ m | DEPTH: <input type="checkbox"/> < 1m <input type="checkbox"/> 1-2m <input type="checkbox"/> > 2m | | | |
| STREAM ORDER: | 1 | 2 | 3 | 4 | 5+ | |
| PRIMARY SUBSTRATE: | <input type="checkbox"/> SILT/MUD | | <input type="checkbox"/> SAND/GRAVEL | <input type="checkbox"/> BOULDER/BEDROCK | <input type="checkbox"/> OTHER | |
| SHORE LINE CHARACTERISTICS: | <input type="checkbox"/> SHALLOWS PRESENT | | | <input type="checkbox"/> SHALLOWS ABSENT | | |
| EMERGENT VEGETATION: | <input type="checkbox"/> ABSENT | | <input type="checkbox"/> PRESENT | <input type="checkbox"/> 0% | <input type="checkbox"/> 1-25% | <input type="checkbox"/> 26-50% <input type="checkbox"/> > 51% |
| EMERGENT VEGETATION SPECIES DESCRIPTION: | | | | | | |

SECTION 4 - FROG PRESENCE/ACTIVITY RECORDS

| ADULT FROG PRESENCE AND ACTIVITY | | | | | | | |
|---|--------------------|-----------------|---------------|-----------------------|-------------------|--------------------------|--------------------|
| SPECIES NAME | N°. OF INDIVIDUALS | SUBSTRATES CODE | ACTIVITY CODE | N°. OF AMPLEXED PAIRS | METHOD OF ID CODE | VOUCHER COLLECTION (Y/N) | TAPE RECORDED (N°) |
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Other animals seen in vicinity: (eg. insect larvae, yabbies, birds, fish, snakes, stock etc)

| METAMORPHS (if seen) | | | | | | |
|-----------------------------|--------------------|-----------------|---------------|-------------------|--------------------------|----------------------|
| SPECIES NAME | N°. OF INDIVIDUALS | SUBSTRATES CODE | ACTIVITY CODE | METHOD OF ID CODE | VOUCHER COLLECTION (Y/N) | DISTINCTIVE FEATURES |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| TADPOLES | | | | | | |
|-----------------|--------------------|-----------------|---------------|--------|-------------|----------------------|
| SPECIES NAME | N°. OF INDIVIDUALS | SUBSTRATES CODE | ACTIVITY CODE | COLOUR | WATER DEPTH | DISTINCTIVE FEATURES |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| EGG MASS | | | |
|--------------------|-------------------------|--|--------------|
| IDENTIFICATION | | | |
| EGGS/SPAWN | NUMBER OF CLUMPS: _____ | DID YOU SEE THE SPECIES ACTUALLY LAY THEM? <input type="checkbox"/> Y <input type="checkbox"/> N | |
| EGG MASS, SHAPE | CODE: _____ | EGG MASS SIZE: _____ | |
| EGG/MASS BEHAVIOUR | CODE: _____ | EGG COLOUR ABOVE: _____ | BELOW: _____ |