



Official Newsletter of the Queensland Frog Society Inc.

Spring 2006

President's Report by Rod Pattison

I don't know about the rest of you but the older I get the faster the years seem to go. Here it is Christmas time again and, whether you have been nasty or nice, it won't be long before Santa is on his way.

Since the last Frogsheet QFS has held its AGM at Downfall Creek Bushland Centre. I thank all the committee members who were returned to their positions for their continuing commitment to the society and also welcome Pearl Symonds as our new Vice President. Pearl is a veterinarian who is currently studying the Chytrid fungus. Six species of frog are listed as extinct due to the Chytrid fungus and it is present in many frog colonies. The only hope of finding a way to fight this disease is through the invaluable work of researchers like Pearl.

Level 4 water restrictions are now in place. Friends of mine recently built a new house. As the crow flies it would be about one kilometre from my house. Although connected to town water they installed a large water tank to use as their primary supply. To their amazement it may only be used for flushing toilets. I *only* have tank water at my house so I'm surprised that the authorities have ruled that the rain that falls just over the hill has suddenly become undrinkable. You would have to wonder what the water tank rebate is really about. The drought is just one of the problems faced by our amphibian friends. With thousands of people moving into southeast Queensland, habitat is being destroyed at an alarming rate. With political momentum gathering pace the Federal Government is being forced to act on the Global Warming problem. For the love of frogs, family, friends and the rest of this planet I pray that nuclear power stations do not become their answer to it.

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NEWSLETTER

Janet White

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QFS SHOP SALES

Jenny Holdway

07 3366 1868

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FROGSHEET BY EMAIL

We can send the Frogsheet by email (pdf of about 1MB) - or send you an alert by email that the newsletter is available for download (at your leisure) from the website. Send your email address to Jenny at qldfrogs@bigpond.net.au stating your preference.

AREA CO-ORDINATORS**ASHGROVE**

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Stefan Durtschi - 3891 6853

comlab@optusnet.com.au

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CENTRAL QUEENSLAND

Position vacant

COOLOOLA REGION

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landwmarshall@bigpond.com

FASSIFERN/BOONAH DISTRICT

Position vacant

GOLD COAST

Shane Ho - 5533 8125 (A/H)

IPSWICH

Ric Natrass - 3288 4100

natrass@ine.com.au

LOCKYER

Position vacant

LOGAN CITY

Michael Kels - 3287 6752

MOUNT GRAVATT

Janet Willoughby - 3343 3949

janet@codingo.net

PINE RIVERS

Shelley Mills - 3285 4652

shelleymills@westnet.com.au

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bhomewoo@bigpond.net.au

SUNSHINE COAST

Desley Fricke - 5493 0031 (Glasshouse)

fricked@bigpond.com.au

Patricia Espin - 5446 7908 (North Arm)

trish@accesstractorparts.com.au

UPPER BROOKFIELD

Phil Bird **phil.bird@uq.edu.au**

Most of the Co-ordinators now hold the "Frogs of Brisbane" poster and you can pick up your FREE (to members) poster from them.

DIARY DATES**GREEN DAYS**

Organised by BCC and featuring local environment groups, guest speakers, free trees etc. The QFS display and shop will be there.

March 18 th	7 th Brigade Park, Murphy Rd, Chermide
April 29 th	Perrin Park, Josling St, Toowong.
May 20 th	Svoboda Park, Beenleigh Rd, Kuraby.

QFS WORKING BEES

Sunday February 4 th &	Frog habitat site in
Sunday April 1 st 2007.	Bowman Park, Bardon

QFS WORKSHOPS

February 24th 2007 Frogs of Brisbane ID Workshop,
Downfall Creek Bushland Centre,
815 Rode Road, McDowall.
1pm - 4pm. \$10 inc afternoon
tea. Please ph Jenny on
3366 1868 to book .

QFS MANAGEMENT MEETINGS

Third Wednesday of month
January 17th & February 21st (see p12)

QFS CAMP DATES

20-21 January 2007 Harry's Hut, Cooloola
Coastal heath land (acid frogs)

24-25 February 2007 Mt Barney
Wet Forest - Rain Forest (high altitude frogs). A
rare opportunity to visit a private 'land for wildlife'
area at 700m elevation.

Please phone at least one week prior
Rod 3264 6391 or Stefan 38916853

FROG WEEK at O'Reillys

Held every year in early December - you can find
details for next year at **www.oreillys.com.au**

WILDWATCH WORKSHOPS (run by BCC for
members of Habitat Brisbane & Catchment groups)

Foraging for frogs. Feb 17, Feb 24 & Mar 10.
Ph 3403 8463 to book. (Other workshops include
spotlighting, birdwatching and reptile hunting).

**NEW MEMBERS**

Mary Lester, Doug Phillips,
Elizabeth Gearey, Suzanne Griffin,
Matisse Jacobs, Daniela Weier,
Bradley Dines, Janet Iwanow, Marion Diarveniza,
Alan Haase, Dawn & Dick Miles, Jane McNeill,
Carleen Mulcahy, Melissa Cundy, Janice
Ebrington, Jacqueline Weekes.
Welcome back: The Lamp-Chalker Family.

Cont'd from page 1

When it comes to stuffing things up the human race, if not directly responsible, has certainly had a hand in it. I recently read a report about Cane Toads that were tracked using transmitters. It is known that toads favour open ground; it doesn't matter whether the lawn is alive or dead our open suburban sprawl is a great place for toads to live. The report found that the toads were hopping down roads as a means to colonise new areas. It would appear that we not only introduced this animal but also provided the highways for young toads to 'go west'.

I wish everyone a merry Christmas and a Happy New Year and until next time keep those headlights shining and good frogging to all.

Rod Pattison

CO-ORDINATOR'S REPORTS

ASHGROVE REPORT:

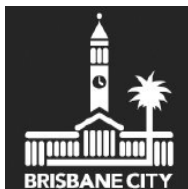
The 10th December will be the last Bowman Park working bee for 2006 and, with some rain, the area will be a very inviting frog habitat.

As this area has been quite dry there hasn't been a lot of activity but in my garden the Tusked frogs, Striped Marsh and Eastern Sedge frogs have let me know that they are still around.

I also have a devoted pair of Wood ducks who have been around one of my ponds for a couple of weeks now. I must say that they churn up the water a bit but they must be feeling the dry as well and my garden is for all creatures big and small. I think they have a nest in one of my trees so I might hear the sound of little ducklings soon.

Have a Great Christmas break and keep up the good work for our frogs.
Jenny Holdway

A BCC grant helped to
cover the printing
costs of this
newsletter.



Mis - IDENTIFICATION ?

A little article in the Bribie Island newspaper from 'a frog lover' reminds us to be careful when toad hunting not to pick up Scarlet-sided pobblebunks.

If you're in any doubt

- a) *leave it – better to have a few toads around than dispatch a frog*
- b) *take a photograph and compare with a book or frog pic on website*
- c) *come to a frog ID workshop (see below) to brush up your ID skills.*

FROGS OF BRISBANE IDENTIFICATION WORKSHOP

Members of QFS are holding an ID workshop on **February 24th 2007** at Downfall Creek Bushland Centre. With the use of our new laptop and projector, we will go through the species of ground and treefrogs that frequent Brisbane's surrounding areas as well as give you some tips on how to identify the ones in your garden.

Booking is essential so please phone Jenny on 3366 1868.

The committee would like
to thank all members
for their support through the year
and wish you all a

**VERY MERRY
FESTIVE SEASON
and a
HAPPY NEW YEAR**

HOW TO SAVE BUSHLAND FROM DEVELOPERS

A guide for South East Queensland



Michael Stephen

'HOW TO SAVE BUSHLAND FROM DEVELOPERS: A GUIDE FOR SOUTH EAST QUEENSLAND.'

This book is a handy practical guide for anyone trying to save wildlife habitat from development. It is full of useful information including: how to write an effective objection against a development proposal and how to analyse the ecological impacts.

Environmental laws and government policies are explained in non legalistic language with just the basic facts you need to know.

The book explains how to anticipate which remnants of bushland may be at risk from future development; what to do if you see bushland being illegally cleared; and how to do a basic survey of fauna and flora.

Lists of threatened species and regional ecosystems are provided, with current status. The final chapter explores evidence for a possible link between deforestation and drought in South East Queensland.

Michael Kels.

Currently this book is only available from Nature Conservation Books, PO Box 174, Stones Corner 4120. To obtain a copy, send \$21.95 plus \$2.50 postage (cheque or money order). For more information contact Michael Kels on 3287 6752.

Proceedings of the Cane Toad National Workshop

Proceedings of the Cane Toad National Workshop held in Brisbane in June are available on the Invasive Animals CRC website at

<http://www.invasiveanimals.com/index.php?id=121>.

Lots of interesting papers.

GLASSHOUSE MOUNTAINS EVENT

Where else would you go to a "How to get your garden frog friendly" workshop but to a small garden centre at Glasshouse Mountains? Desley Fricke, QFS Co-ordinator for this area, organized and ran the workshop and the owners of the garden centre made everyone very welcome under a big *Syzygium* tree. For those who came, their new knowledge about frogs opened their eyes and ears and they left keen to put some water into their gardens. They were pleased to know that some of the sounds they hear at night are frogs not crickets!

The nursery had a couple of nice ponds and there were many *Litoria fallax* among the *Lomandras* which we could point out.

Many Thanks for organizing this, Desley.

Jenny Holdway.

VETS CORNER:

Pathology report on dead frogs examined September to October 2006

As Frogsheet readers are aware the QFS handles a large number of enquiries concerning sick or injured frogs. Unfortunately, we are unable to save them all; however, their bodies do not go to waste. Amphibian medicine is a new field for veterinarians and we are at a stage where we need desperately to understand how frogs cope with disease. For example, what changes occur in their organs? Here is where an archive of post mortem information on frogs becomes important; we may not find out the cause of death in every case but histology slides (thin slices of tissue to be examined using microscope) can be kept for a long time and used as reference material or even in retrospective research in the future.

Here is a list of some of the recent, more interesting cases I have seen.

Bufo marinus - large female adult picked up in mountain stream habitat where chytrid fungus is endemic. Found looking unwell with ulcerative skin lesions, infection with chytrid fungus highly suspected. However, histology of skin revealed another fungus, a hyphae-producing yeast, as cause of skin damage. A molecular test of skin (PCR) showed a low positive for chytrid.

Litoria caerulea - Male adult from Carbrook. No obvious cause of death but had large number of strongyle nematode eggs and nematode larvae in gut. No chytrid evident.

Litoria lesueuri (now wilcoxii) - Dead female found in study site. Typical case of chytridiomycosis with heavy growth of the fungus and skin sloughing. What is interesting about this case is that the frog must have ingested its skin prior to death, as the chytrid-infected skin was nicely visible in the gut. Skin sloughing and mouthpart sloughing appear to be behaviours that may reduce levels of pathogen on the host.

Mixophyes fasciolatus – Tadpoles, large (10cm) and some in early stages of metamorphosis, found floating dead in dam close to Jolly's lookout, Mt Nebo. Five live tadpoles caught; one bloated individual died shortly after capture. Dam choked with introduced waterweed. Water test showed no increase in nitrites or ammonia. Histology showed gill hyperplasia - a response of the gills over time to an irritant in the water. Actual cause remains unknown but toxicity from high ammonia levels can cause this. All five tadpoles were positive for chytrid fungus in their mouthparts.

I test all cases for evidence of the chytrid fungus (*Batrachochytrium dendrobatidis*), using histology and a molecular test of the skin (PCR). This fungus is unfortunately diagnosed in a majority of cases – but not in all. Just a reminder, it usually kills frogs in the late winter to early spring months from July to September, and there is usually more than one frog found dead or sick. This work is currently financed by my supervisors who I would like to thank for letting me do this (it is not always part of my research, see) as well as the vet. pathologists at Uni who I often have to sweet talk into looking at the histology with me.

Your Vice President: Pearl Symonds.



CHRISTMAS **SHOPPING**

Stuck for something to buy? Bored with ipods, undies and toiletries??
 For something unique, look at what's available in our **FROGSHOP**.
 As well as finding something different your \$ will **support frog conservation!**
 We have 3 designs of T-shirts, Polo-shirts, posters, identification books,
 frog-gardening books and CDs of Queensland frog calls.
 For those fed up with material presents
 how about a gift membership?

Use of dingoes to find toads

A professional dog-trainer in Western Australia is training pure-bred dingoes to sniff out Cane Toads (and improve the popular perception of the dingo in the process). The trainer, Sarah Fyffe, imports frozen toads from Queensland. She believes that whereas traditional sniffer dogs just use their noses the dingoes use sight, sound and smell to detect the toads and may therefore be more effective.

In the last wet season, the toads, which are moving toward WA across the Northern Territory, moved 90km. The project has not yet received backing from the WA government.

Summarised from original transcript on ABC website
<http://www.abc.net.au/7.30/content/2006/s1714848.htm> (broadcast 14 August 2006)

The wonderful colour heading
 on the Frogsheet has
 been printed for QFS
 free of charge by

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Thanks to Samford.net
 for hosting our website
 free of charge.



QFS PUBLIC TRUST FUND

The Queensland Frog Society inc.
 may receive tax deductible donations
 of \$2.00 or more, property and
 bequests.

Your donations will assist in research,
 education and helping to save our
 frogs. Cheques may be made payable
 to: *Qld Frog Society Public Trust Fund.*

The current total is
\$5852.91

Hi there!!
 Enjoy this issue of Frogsheet, and have a
 great summer! The frogs are coming back
 out again!
 Yay!
Gemma XOX

Junior Frog

Page



FROG CODE

Here's how this activity works; below there is a list of numbers. Each of these numbers stands for a letter, for example; 1 = A, 2 = B, etc.

Under each number, write in the letter that it stands for. Once you have done this a frog fact will be revealed!! Have fun!

1=A, 2=B, 3=C, 4=D, 5=E, 6=F, 7=G, 8=H, 9=I, 10=J, 11=K, 12=L, 13=M,
 14=N, 15=O, 16=P, 17=Q, 18=R, 19=S, 20=T, 21=U, 22=V, 23=W, 24=X,
 25=Y, 26=Z

6 18 15 7 19 3 1 14 14 15 20 12 9 22 5 9 14

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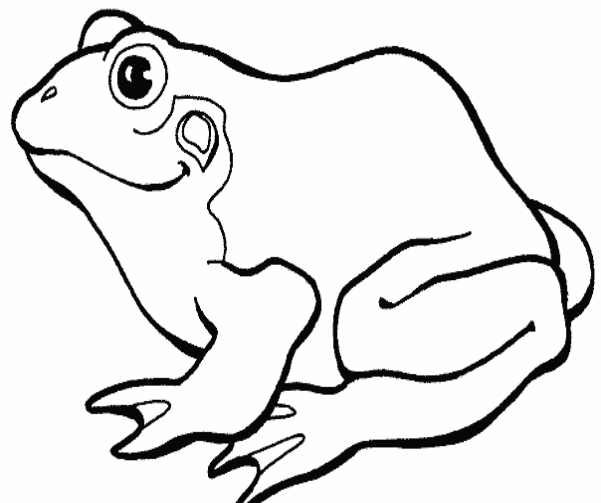
19 1 12 20 23 1 20 5 18

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COLOUR-ME-IN FROGGY!!

COLOUR ME
 IN!!



CAMP REPORTS

OCTOBER – COOLOOLA NATIONAL PARK.

Rod, Stefan and Julia set off for Rainbow beach on Saturday morning, travelling up to Gympie and then heading out to the coast, with a brief stop to revisit the beautiful creek at Seary's crossing. On arrival we had a picnic lunch, and then caught up with Pauline, a long-time keen frogger, and her family at their holiday house. Much discussion about where to explore later in the day but Rod had previously found a small reed-filled lake several kilometres down one of the sandy four wheel drive tracks between the main road and the beach and we were keen to see what frogs could be calling there, in the generally hot and dry conditions.

The track to the lake yielded a few extra surprises – the dragon type of lizard that ran up a tree in front of us turned out to be a real Frilled Lizard (*Chlamydosaurus kingii*), and at a clear sandy creek crossing we found many large long-armed prawns (*Macrobrachium tolmerum*), one of which took quite a fancy to Stefan's bare toes, and a school of Ornate Rainbow fish (*Rhadinocentrus ornatus*).

The lake itself had thick reed beds (*Lepironia articulata*) to scramble through that made actually sighting frogs difficult, though Rod did find a Cooloola sedge frog (*Litoria cooloolensis*). The very low water level still didn't manage to prevent him from filling his wellies! Eastern Sedge frogs (*Litoria fallax*) and Sandy Gungans (*Uperoleia fusca*) were calling from the central area, and from the surrounding trees we heard both Emerald spotted and Laughing treefrogs (*Litoria peronii*

and *L. tyleri*).

Despite the scarcity of frog sightings, it was a great weekend – the wonderful wallum vegetation, swamp and heathland, is always fascinating - we were lucky enough to find a large area near the Cooloola Way scattered with the rare and spectacular blooms of red and yellow Christmas Bells (*Blandfordia grandiflora*), and a solitary Large Cow Tongue orchid (*Cryptostylis subulata*).

NOVEMBER – SPRINGBROOK.

This was our first chance to check out the new camping site at Settlement Road; no camping is now allowed at the original site close to Purling Brook Falls. The usual suspects attended and Dan, Shelley and their family, and Keith – a visitor from England, and a very keen frogger, swelled numbers.

We spent a pleasant afternoon exploring the rainforest, enjoying the spectacular view from the Best of all Lookouts, and finding both the huge tadpoles of the Great Barred frog (*Mixophyes fasciolatus*) and the beautiful red blue and white spiny crayfish (*Euastacus sulcatus*) in Purling Brook Creek. It was a hard choice but as evening fell we decided to decline the delights of boot-scooting at the Bush Dance being held in the Community Hall, and went out in search of frogs. Clicking froglets (*Crinia signifera*) had been heard from the marshy area near the camp during the day, and were also heard (but not found) at several other sites. We identified the Cascade tree frog (*Litoria pearsoniana*) calling from overhanging vegetation at two creek crossings,

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Cont'd from page 8

but a local dam provided much the happiest hunting ground and some very photogenic frogs. Eastern Sedge frogs (*Litoria fallax*) were sitting on grass clumps all around the water line and Whistling treefrogs (*Litoria verreauxii*) Whirring treefrogs (*Litoria revelata*) and Emerald spotted treefrogs (*Litoria peronii*) were calling from the bushes. Then our major find – numbers of juvenile Great Barred frogs (*Mixophyes fasciolatus*), just emerged from the water, up to 3 cm long, and still carrying their remnant tails. An adult was also calling from a thicket, but was too deep in the leaf litter to be sighted. Happy with our search, but of course wishing for rain to bring out more of the species that live there, we returned to camp.

Julia Squires

Frog Poem by Jesse aged 8

Who sits in the rain & sits in the fog,
How do the creatures get to earth?
The female gives the strangest birth.

She lays her eggs in a pond,
Of that she is very fond,
Out of the eggs hatch tadpoles,
Who swim around & hide in holes.

Long black tails and great big heads,
Then they grow their big back legs &
their front legs in about a week,
Their tail shrinks and they say "eek!"

They grow lungs and their gills shrink,
They jump on the bank and out of the creek.

Rare amphibian has developers on hop

The wallum froglet is only the size of your thumbnail but the mere mention of its name can strike fear into the hearts of developers. The tiny endangered amphibian stands in the way of plans for a \$100 million supermarket and residential development in the northern New South Wales coastal town of Kingscliff. The NSW Land and Environment Court has ordered a study to ascertain whether the wallum froglet can climb an embankment and get across a road to safety. If it is part of the same population group as those on the other side of the road, Gales Holdings will get the green light to clear the site and build. If it is a separate colony, as Tweed Shire Council argues, the project will be blocked.

The wallum froglet is said to make a small tinkling sound, but its plight has provided a loud call from environmentalists and wildlife protection groups in case after case. The Queensland Government's plan for a Tugun bypass road was delayed for months after protests by NSW residents that habitats of the wallum froglet and the wallum sedge frog would be destroyed. Eventually, the route was altered at the insistence of NSW's then-roads minister Carl Scully, adding about \$300 million to the cost, according to Queensland.

The wallum froglet also had a starring role in the successful campaign to stop an \$85 million Club Med resort being built at Byron Bay in the mid-90s. Larissa Waters, a solicitor with the Environmental Defenders Office in Brisbane, says successes are rare. "We are disappointed that more developments are not stopped when there are significant wildlife impacts," she said.

But Glen Ingram, of Biodiversity Assessment and Management, a Queensland consultancy which prepares expert witness reports for both sides in disputes, said the system is much better at protecting fauna and flora than in previous decades.

"In the '60s there were no environmental impact considerations. In the '70s, you would pull your hair out – no one would listen. Now there is due process to follow and much of the environmental activism is within government departments," he said.

"The major thing that distresses me is that animals have become a political tool on both sides rather than being treated as a genuine concern"

D. Passmore Sunday Mail, 26 Nov 2006

IT'S TRUE! FROGS ARE CANNIBALS

by Michael Tyler

This is a fun and informative book. Though aimed at a juvenile audience in fact any age will enjoy it, have a giggle *and* find out some new and useful information. For example, you may have heard that we shouldn't shampoo our hair in or near creeks but do you know exactly why? The answer is that the surfactants in the shampoo change the behaviour of water on the frog's body and prevent the frog from breathing through its skin. Wetting agents used in gardens are just as bad (something to remember if we reach for them during these droughty times).

More fun for the kids are questions/answers to favourites like 'what do frog's legs taste like?' (without having to sample), how frogs drink through their bottoms and various other fun and funky frog facts.

To cap it all there's a shaggy-froggy-dog story with the punchline... "time's fun when your having flies!"

VOLUNTEERS NEEDED FOR ANIMAL ETHICS COMMITTEES

The animal welfare unit of The University of Queensland has asked QFS to circulate this information amongst our members:-

The Animal Welfare Unit of The University of Queensland currently needs participants, on a voluntary basis, to serve on their animal ethics committees. These committees are responsible for ensuring the humane care of animals used for scientific purposes. Category C and D members are needed.

A Category C member is a person with demonstrable commitment and experience in furthering the welfare of animals, who is not employed by or associated with the University and who is not involved in the care and use of animals for scientific purposes. Veterinarians and veterinary nurses with specific animal welfare interest and experience may meet the requirements of this Category. While not representing an animal welfare organisation, the person should, where possible, be selected on the basis of active membership of, and nomination by, such an organisation.

A Category D member is a person independent of the University who has not conducted scientific or teaching activities using animals. They should be viewed by the wider community as bringing a completely independent view to the committee.

Meetings are held once a month in the afternoon and a working lunch is supplied.

If you or someone you know would be interested or would like further information we would be delighted to hear from you.

To place an expression of interest, please contact :-

Mrs Ann Higgins

Coordinator

Animal Welfare Unit

The University of Queensland

Tel: 3365 2713

Fax : 3365 4455

Email: a.higgins@research.uq.edu.au

QUEENSLAND FROG SOCIETY INC ORDER FORM

ITEM	Price (QFS Member)	Price (Non-Member)	Qty	Amount Enclosed
Booklet – ‘Frogs of Brisbane’ by Lex Morley A small booklet describing about 45 species from Brisbane and surrounding areas. A good field guide.	\$ 7.00	\$ 7.00		\$
‘Australian Frogs, Amazing Amphibians’ by Jill Morris A beautifully illustrated and enjoyable book to read packed with heaps of information on Aussie frogs. A great coffee table book to be enjoyed by both adults and children.	\$20.50	\$23.50		\$
‘Attracting Frogs to your Garden’ by Kevin Casey All about making your garden super frog-friendly. A real must for every frog lover!	\$19.00	\$23.00		\$
A pocket sized waterproof field guide titled ‘Wet Forest Frogs of South East Queensland’ by Meyer,E., Hines,H., Hero, J-M.,	\$6.00	\$6.00		\$
SYMPOSIUM PROCEEDINGS – a great information book with over 20 papers – including colour photos. (164 pages.)	\$12.00	\$17.00		\$
Poster – ‘Frogs of Brisbane’ QFS A colourful poster with life-size photographs of all frogs in the Brisbane area. Good for visual identification.	\$5.00 postage cost	\$12.50		\$
Poster – ‘Green Frogs’ Illustrated A beautiful poster introducing you to the 11 species found in Qld all hanging out on one branch..	\$10.50	\$10.50		\$
CD’s - ‘Australian Frog Calls’ by David Stewart (please tick) <input type="checkbox"/> CD One – Sub-tropical East: 70 species between the Tropic of Capricorn and the Shoalhaven River. <input type="checkbox"/> CD two – Tropical North-east: 67 species between the Tropic of Capricorn and Cape York Peninsula	\$24.95	\$29.95		\$
QFS T-shirt – Sizes: (please circle) Please place a tick beside your choice of shirt. <input type="checkbox"/> Cream shirt with large green logo on front S, L, XL <input type="checkbox"/> Bottle green with bright green logo on front M, XL	\$18.00	\$20.00		\$
QFS Polo Shirt – Sizes: (please circle) Cream shirt with green logo on upper left L, XL Dark Green with logo on upper left (65% cotton) S, L	\$20.00	\$23.00		\$
NEW T SHIRT – ‘Frogs with Attitude’ Sizes: S L XL Grey with rusty red frog drawings front and back	\$20.00	\$23.00		\$
Individual Membership New/Renewal (please circle)	\$15.00	\$15.00		\$
Family Membership New/Renewal (please circle)	\$15.00	\$15.00		\$
Junior Membership (to 17yrs) New/Renewal (please circle)	\$ 7.50	\$ 7.50		\$
THANKYOU FOR SUPPORTING QFS	TOTAL OF ORDER	\$		

Donation to QFS Public Trust Fund \$..... Tax deductible over \$2.00
Made out to the QFS Public Trust Fund.

NAME _____
ADDRESS _____

P/CODE _____
MEMBERSHIP NO _____
SIGNATURE _____

NB: Postage is included in the price.

Please make cheques payable to
Queensland Frog Society Inc
PO Box 7017
EAST BRISBANE Q 4169

Frog froth used to treat wounds

When female Tungara frogs lay eggs in Trinidadian ponds, their mates build huge balls of froth around them. These act as nests that protect their developing offspring. Scientists have found that they contain an anti-microbial agent. Researchers are trying to isolate and develop this chemical to make new drugs and medicines. Professor Malcolm Kennedy, of Glasgow University's biology department, said: "You could imagine using this stuff as an emergency spray on soldiers injured by shell blasts or on burns victims. It could provide immediate protection for the wound and stop infections spreading".

Robin McKie, Observer (reprinted in Guardian Weekly, Sept 1-7, 2006).

GETTING INVOLVED

Area Co-ordinators

We have some Area Co-ordinator positions vacant (Lockyer, Fassifern/Boonah, Central Queensland). If you live in one of these areas, or in another un-represented area, and would like to be a co-ordinator please get in touch.

Management Meetings

Management meetings are held on the third Wednesday of the month at committee members houses. If you would like to come please phone Jenny as venue changes each month.

FROGSHEET

Please note: all are welcome to submit articles. This is a members newsletter and will be far more interesting if it includes members observations and experiences rather than just being a digest of newspaper articles.

Items can be sent by email (subject line: frogbiz) or post.

Deadline for Autumn issue is March 1st .

Janet White

If undeliverable, return to
Qld Frog Society Inc
PO Box 7017
East Brisbane Qld 4169

Frogsheet - Summer 2006
Print Post Approved
PP424022/00619

**SURFACE
MAIL**

**POSTAGE PAID
AUSTRALIA**