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CONVENTION**

OCTOBER 18-19

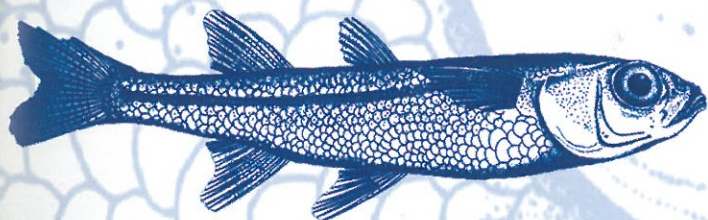
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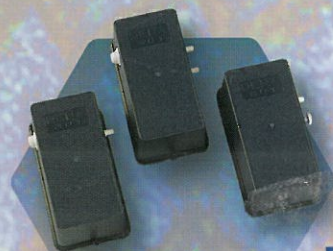
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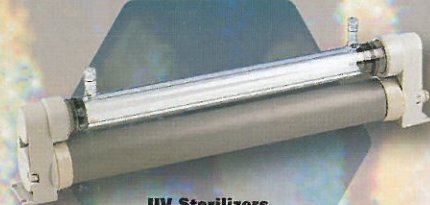
C40 powerhead
600 lph

RENA pumps



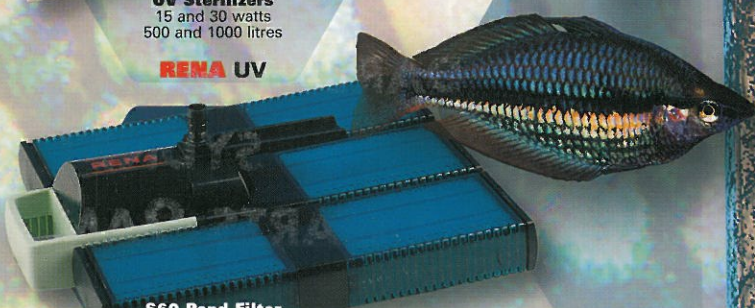
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Programme

Friday Evening

- 8:00 ANGFA Annual general Meeting
- 12:00 meeting ends
- 1:30 bar closes

Saturday

- 8:00 Registration
- 9:00 Opening Presentation of Convention followed by Official welcome by National President Bruce Hansen and NSW President Derek Gerkin
- 9:15 Mal Davidson
'The Growing of Aquatic Black worms. A fine food.'
- 9:45 George Wilson
'Australian Freshwater Isopod Crustaceans'
- 10:10 David Wilson
'Aquatic plants of the Northern Territory'
- 10:30 Morning Tea
- 11:15 Alex Ritchie
'Fossil Fish of Australia'
- 12:15 Aarn
'From Gabon to Gambusia'
- 12:40 Martyn Robinson
'Freshwater Crabs'
- 1:00 Lunch
- 2:00 Kenichiro Komora
'Systematics of Glassefishes'
- 2:25 Steve Pyecroft
To be announced
- 3:05 Aarn
Biology of Atheriniformes of the Upper Orara river, Karangi, NSW

- 3:30 Afternoon Tea
- 4:15 Neil Armstrong
Gobies and Gudgeons
- 5:00 Session ends. Pre - dinner drinks.
- 6:00 Seating for dinner begins
- 8:15 Auction
- Sunday
- 6:30 Breakfast begins
- 8:30 Assemble, coffee and chat time
- 9:00 Eddie Tootell - *Aquatic Plants*
Ron Bowman - *Breeding and fry raising*
Glen Briggs - *Collection techniques*
Neil Armstrong - *Photography of fishes*
- 10:00 Trevor Pontifex
'East Coast Cod. A disappearing national treasure.'
- 10:30 Morning Tea
- 11:15 Jean Joss
'The breeding in captivity of the Australian Lungfish.'
- 11:45 Slide Presentation
- 12:00 Discussion - To be announced
- 12:15 Harold Clapham
'European carp - putting a pest to good use.'
- 12:45 A short video presentation - by Cameron Bee
'Creeks of the Kimberly's'
- 1:00 Lunch
- 2:00 Heiko Bleher
To be announced
- 3:30 Afternoon Tea
- 4:15 Heiko Bleher (continued)
- 5:00 Close of conference by ANGFA National and NSW Presidents.



ANGFA Councils and Regional and Affiliated Groups



ANGFA National

President:	Bruce Hansen	07 73856414
Vice President:	Rod Brown	07 33552163
Secretary:	Doug Collom	07 32777171
Treasurer:	Peter Surmon	07 32056010
Membership:	Barry Meiklejohn	07 32451843
Global Liason:	Neil Armstrong	03 93064079
Fishes Of Sahul:	Ron Bowman	03 95688144
	Ken Smales	03 93915225
ANGFA Bulletin:	Adrian Tappin	07 33967566
	Barry Meiklejohn	07 32451843
Committee Members :	Adrian Dawson	07 38890770
	Graham Finsen	07 32024604

Regional And Affiliated Groups

ANGFA ACT	Andy Wattam	06 2543273
ANGFA NSW	Derek Girkin	04 3 882276
ANGFA QLD	Adrian Dawson	07 38890770
ANGFA USA	Roy Hunter	970 876 2553
ANGFA VIC	Glen Briggs	03 97253665
ANGFA WA	Ken Shaw	09 3771097
ANGFA SA	Gavin Rich	08 2548796

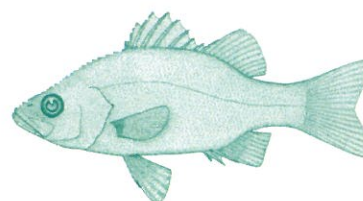
Overseas Contacts

USA: Rainbowfish Study Group
Sherry Taylor (membership)
171 Campbell lane
Cookville, Ten 38501 USA

Germany: IRG
Harro Heironimus
Nachtigallenweg 52
D-42657, Solingen, Germany

ANGFA Russian Regional Group

Sergey Makarenko
Arbuzova st, 89'g'/62, Nazarova City,
Krasnoyarsk region
662200, Russia.



Convention Organisers



The 1997 Convention Steering committee would like to acknowledge all the help and advice it received from outside parties over the last two years in the planning of this Convention. Particularly our Patron, Bob Croucher, of PA & WG and Pet Industry News who helped with the publication of this Convention Booklet. Without it we wouldn't have made it. Thank you all.

The Steering Committee was comprised of

- Cameron Bee
- Stewart Amos
- Sunny Chuang
- Sebastian and Connie Ferrari
- Derek and Lorraine Gerkin
- Jennifer Palmer
- David Crass



Thank You



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Welcome !!

Please enjoy yourself this weekend and use the time to meet new freinds and see old ones. We hope you find the presentations interesting and the scheduling less rushed than in years past. There will be longer breaks so you will be able to relax and talk with others between speakers. Please ask questions of the speakers or of other individuals as this is a unique gathering of people with a great opportunity to increase your knowledge.



George Wilson



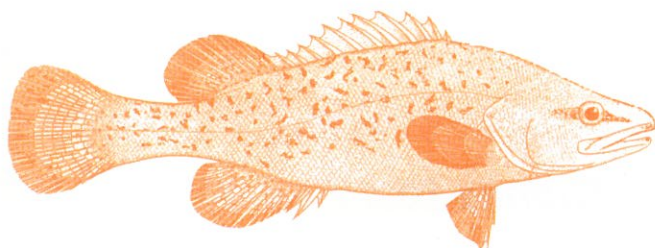
Principal Research Scientist,
Division of Invertebrate Zoology
Australian Museum, Sydney

Presentation:
*Australian Freshwater
Isopod Crustaceans*

Little is known of freshwater crustaceans- George has been studying the Isopod group and the evolutionary relationships within this area. Of particular interest is a new one that was recently found in the Kimberly region by several ANGFA members on a collecting trip recently.

About George Wilson

Being born and educated in North America, George worked at the Marine Biology Research Division for the Scripps Institute of Oceanography in California from 1969 till 1991. George then travelled to our shores and began work at the Australian Museum where he is currently a Research Scientist. George has published many papers and articles on marine and freshwater crustaceans and his work deals primarily with evolutionary biology and the phylogenetic relationships between various invertebrate families.



Steve Pyecroft

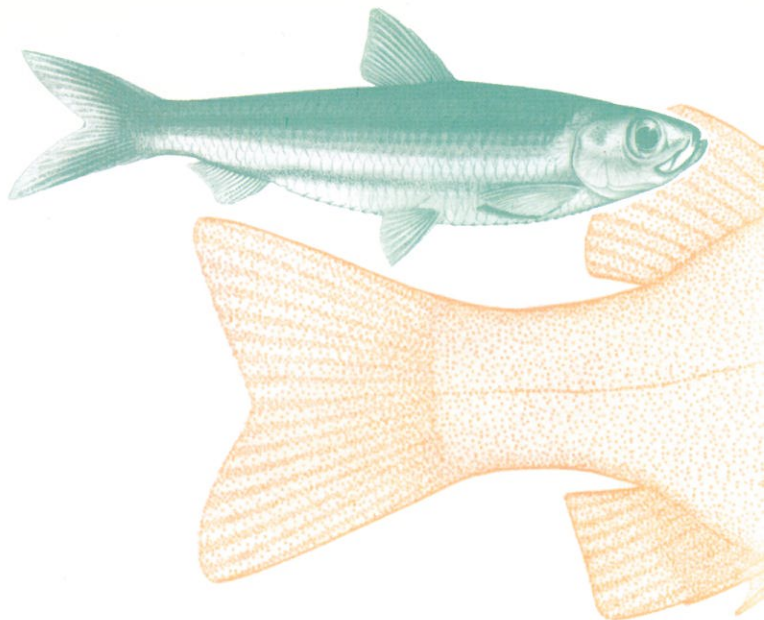


Aquatic Diagnostic Veterinary Services

Presentation:
To Be Announced

About Steve Pyecroft

Steve has had a long association with ANGFA being a past president of the Queensland regional group. Steve is a qualified Veterinarian that deals specifically with aquatic organisms with his practice. His work has varied from crocodile farms to fish farms to advising government bodies (such as the Quarantine services) on animal health issues. He currently lives in Brisbane as a base but the specific nature of his work sees him travelling all over Australia



David Wilson



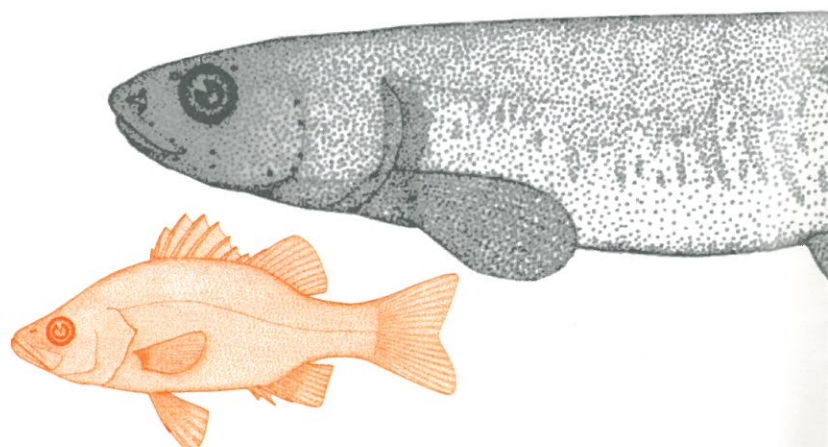
Aquarium Section, Territory Wildlife Park
Berry Springs, Darwin

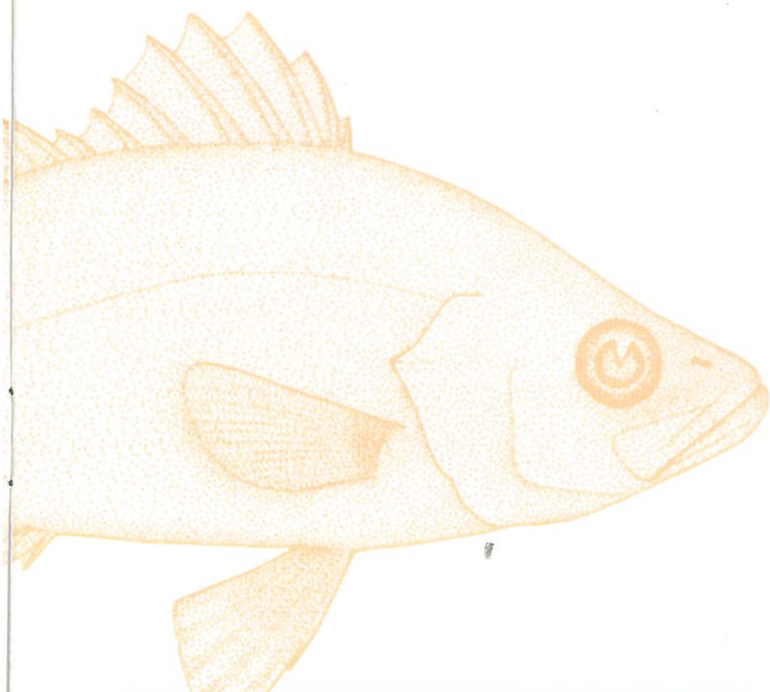
Presentation:
Aquatic Plants of the Northern Territory

Plants are an often overlooked aspect of any biotype and Dave has been endeavouring to readdress this imbalance by collecting, identifying and cultivating the incredibly unique plants he finds in his travels throughout the Northern Territory. Today Dave presents a slide show of plants not commonly seen (yet quite easily available) that can be cultivated in aquaria as a stunning accompaniment to the native fishes of this country.

About David Wilson

Dave has been working at the Aquarium at the Territory Wildlife Park since 1992. This unique zoo has the largest display of native freshwater fishes in Australia and Dave is working on including many rare and attractive native aquatic plants into these displays to recreate the aquatic habitats of the Northern Territory. Dave will explore any waterway in a bid to find anything new - but he isn't on the best of terms with the local reptile population.





Aarn Whitehouse



Research Scientist, Department of Biological Sciences, Macquarie University, Sydney

Presentation:

1. From Gabon To Gambusia

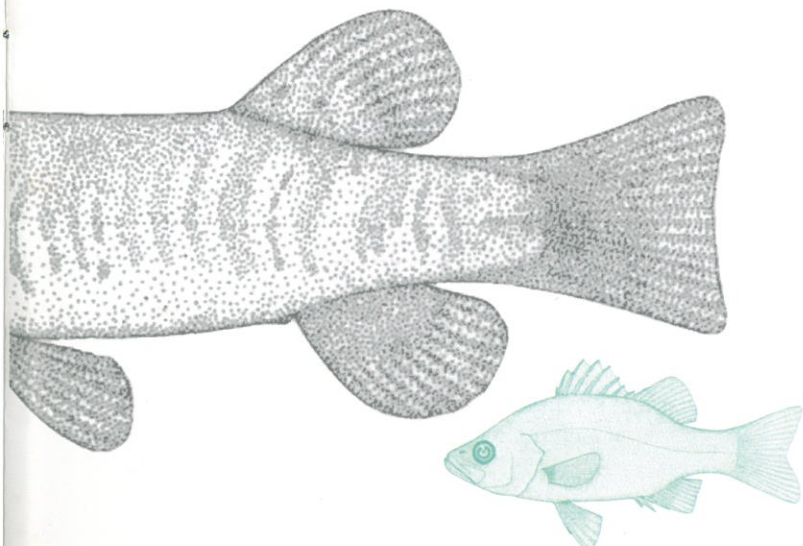
Aarn will talk about one of the more destructive organisms of the waterways, the Mosquito fish (*Gambusia holbrooki*)

2. Biology of Atheriniformes in the Upper Orara river, Karangi NSW.

Observations and distribution of some of the smaller fishes of this river system is discussed in the session.

About Aarn

Aarn is currently undertaking Ph D studies, investigating the phylogenetic relationships of Rainbowfish. He has pursued many areas of study, being qualified in the areas of Veterinary science, Veterinary Pathology, Chemistry and Philosophy. Aarn has travelled the world extensively (visiting museums to view their preserved fish collections) including several trips to Papua New Guinea. He spent time working as a veterinarian with Taronga Zoo in the late eighties, treating a potpourri of exotic birds and mammals



Dr Alex Ritchie

Paleontologist, Department of Paleontology
Australian Museum, Sydney

Presentation: Fossil Fish

About Alex Ritchie

Dr Ritchie was born in Scotland and studied geology at the Edinburgh University (1955- 59), where he studied early fossil fishes for his doctorate (1963). He lectured in geology at Edinburgh University (1960- 63) and Sheffield University (1963 - 67) before joining the Australian Museum in 1968 as Curator of Fossils.

Alex has collected many important fossils from all over Australia and Antarctica. His main interest, however concerns the origin and evolution of early backboned animals, from the appearance of the first jawless fishes, 480 million years ago, until the invasion of the land by 'fish with legs', 360 million years ago. Alex's most outstanding achievement is the discovery of perhaps the richest fossil fish site in the world in Central NSW at Canowindra. These sites have yielded fantastic amounts of fossils in excellent condition. Over 70 tons of rock have been removed for further study, which has yielded over 2,500 fossil fish, some up to 1.6 metres long. Currently Alex is working on establishing a fossil museum at Canowindra and is continuing his work on the finds from this site.



Kenichiro Komori

Research Scientist, Department of Biological Sciences, Macquarie University, Sydney

Presentation: Systematics of Glassfishes

The identification of Glassfishes is a difficult one that not many people have been interested in taking on. Examining the fine characteristics that identify one species from another is a very difficult task and one that needs more attention in a bid to understand biodiversity. Kenichiro is taking some of Dr Allan's primary work in this area another step further in a bid to clarify which fish is which in the world of Glassfish.

About Kenichiro

Born and educated in Japan, Kenichiro travelled to North America to further his studies by working on the early life development of the marine fishes Icosteidae (or Ragfish, a deepwater dweller). Kenichiro has worked extensively in the United States for the California Fisheries and Wildlife Department on fish related projects. These included such areas as the Seasonal distribution of marine species, the population and life studies of Striped Bass and Marine fish ecology. Kenichiro is now in Australia to complete his Ph D by studying the classification of Glassfish..





Mal Davidson



Victorian Aquatic Worms

Presentation: *Growing Black Worms*

Mal will demonstrate what makes his former Trout farm so successful at cultivating worms that are being sold as live food throughout Australia.

About Mal

Mal is a former Trout farmer who decided that there was a bigger demand for the worms that he had growing in his water runoff channels than the fish he was farming. Mal has changed his property to accommodate the cultivation of these worms for the live food trade. His success is remarkable and he is constantly looking at new ways to market the foodstuffs that he develops from the naturally flourishing flora and fauna that grows in the waterways of his property.



Martyn Robinson

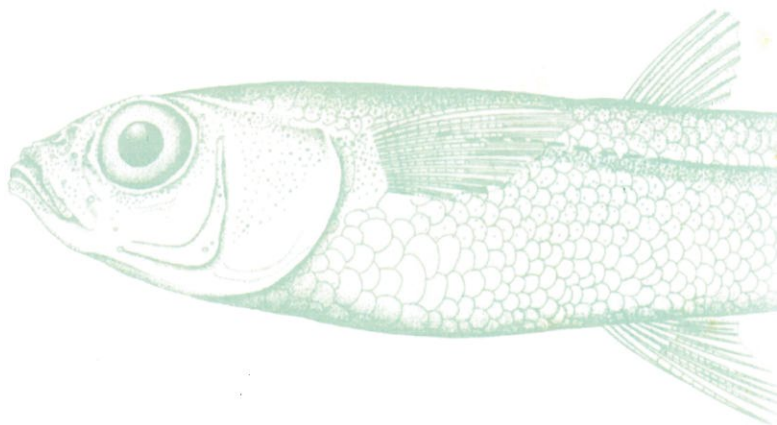
Research Scientist,
Australian Museum, Sydney

Presentation: *Freshwater Crabs of Australia*

Freshwater crabs occur in the pet trade sporadically. They are poorly understood scientifically yet are quite interesting animals to keep and study in aquaria. Martin will elaborate on the different crabs that are found in the warmer climates of Australia.

About Martyn

Martyn's interest in all flora and fauna is very broad. He is involved with plant groups, Frog and Tadpole study groups and has been on the ANGFA NSW committee since its formation. Principally he is employed by the Australian Museum, where he has worked for the last 20 years, and here he finds time to further his knowledge of aquatic organisms. Martin is so keen in his fieldwork that he can quite often be found in the middle of a stream, up to his knees in icy cold water in the middle of July searching for some sort of creature.



Neil Armstrong

Wildlife/Fish Photographer

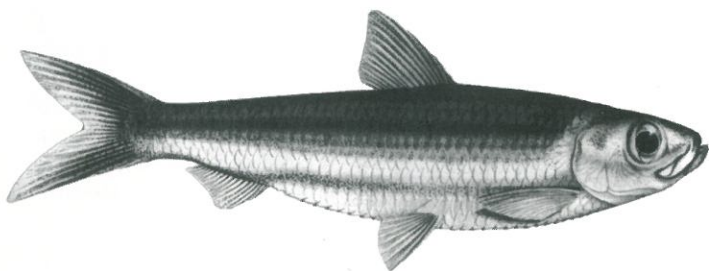
Presentation: *Gobies and Gudgeons*

Often overlooked yet still very interesting and colourful in their own right. Neil will present a slide show that will add a new dimension to these creatures.

About Neil

Neil was one of the foundation members of ANGFA and his interest in aquatic plants and organisms spans decades.

Neil combines his interest in aquaria with a newer passion - photography, and many of the images that appear in *Fishes of Sahul* are Neil's. Neil is an oracle of Rainbowfish knowledge - giving accurate details of patterns and colourations of the different tribes of each species is his forte.



Trevor Pontifex



**Biologist, Lecturer in Aquaculture
for Tafe Colleges**

Presentation:

***East Coast Cod - A Unique and
Threatened Animal***

The East Coast Cod is the only fish that is exclusively found in NSW. It is restricted to several rivers and their tributaries on the mid north coast of NSW and increased pressure from man and habitat degradation has severely reduced its numbers in the wild. Trevor will outline the plight of this national treasure and the efforts that are being made by him and several others that are determined to save this animal from extinction.

About Trevor

Trevor has been part of a team of dedicated individuals who has been successfully breeding these cod for the last 3 years, all without any financial support from any government or conservation body. Trevor has been working with a father and son team of Mick and Michael Gilbert of Booma fisheries (a commercial foodfish production farm at Dorrigo on the north coast of NSW) to breed the cod for rerelease into the wild to replenish wild stocks. Trevor studied aquaculture at university and has worked for the Queensland department of Primary Industry and the NSW Fisheries. It was whilst working at the Queensland Department of Primary Industry with the Mary River Cod that Trevor became well versed in the reproductive biology of these animals.

Jean Joss



**Associate Professor, School of Biological
Sciences, Macquarie University, Sydney**

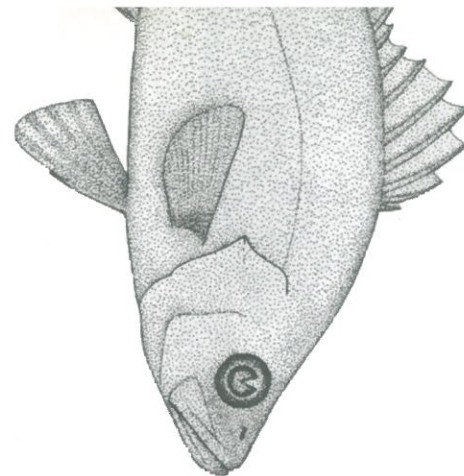
Presentation:

Lungfish - Reproduction and Biology

Jean has been fortunate to work with one of the most prehistoric and unchanged of vertebrates- the lungfish. Jean has a captive population of Lungfish here in Sydney that have successfully bred for the last couple of years and she has been able to raise several hundred juveniles. Jean's research will unfold as her talk will illustrate how important and significant the Lungfish is in regards to evolution.

About Jean Joss

Jean is a highly qualified scientist who completed her Ph D at the University of Wales - on lampreys. She is an Evolutionary Biologist and lectures at Macquarie University, here in Sydney. Jean has worked with several key species of animals and her work is mainly concerned with the evolution of aquatic organisms to the land dwelling Tetrapods. Jean is currently the President of the Asia Oceania Centre for Endocrinology and is a past president of the Royal Zoological Society. Her Lungfish are part of the only research breeding facility of Lungfish in this country.



ANGFA Vic



Presentation:

***Aquatic Plants - Eddie Tootell
Breeding and Fry Raising - Ron Bowman
Collection Techniques - Glen Briggs
Fish Photography - Neil Armstrong***

Here is a panel of learned individuals who when tallied up have 155 years of aquarium keeping experience between them. Each will present a small introduction on their area of expertise and then you the audience will have the chance to tap into the infinite wisdom and pearls of knowledge that these 4 gentlemen can provide by asking them the secrets to their success. Please feel free to ask as many questions as possible, this is all about the audience's participation.

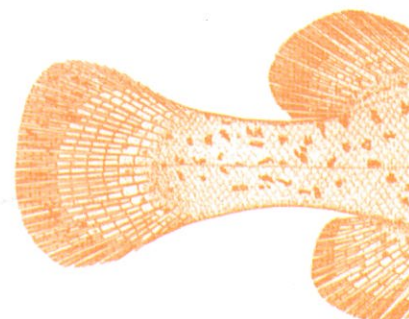
About the panel

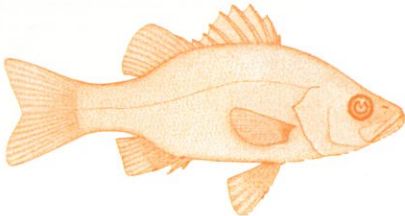
Eddie Tootell - has worked in and around the pet industry for several decades, a dab hand with an underwater camera and a fine plant cultivator to boot. Believes all that Neil Armstrong tells him. A potentially fatal mistake.

Ron Bowman - AKA Godfather of Rainbowfish. Fish cultivar extraordinaire, Ron is responsible for many illustrations seen in past Journals and convention booklets. Once a graphic artist but found fish more to his liking. Claims not to know Neil Armstrong.

Glen Briggs - young dynamic banker, the man behind Alan Bond, a dab hand with a dip net, cunning with collection boxes. Braver than all of us to be sitting out the front with these 3 old blighters.

Neil Armstrong - Photographer, storyteller and numbers man. Has a keen eye for detail and can spot a Goyder River Rainbow from a Coen River Rainbow at 30 paces. Claims to have incriminating evidence of Eddie Tootell and Ron Bowman judging a Koi show. Not to be trusted when seen drinking a beer.





Harold Clapham

Director, FourSeas (NSW) Pty. Ltd

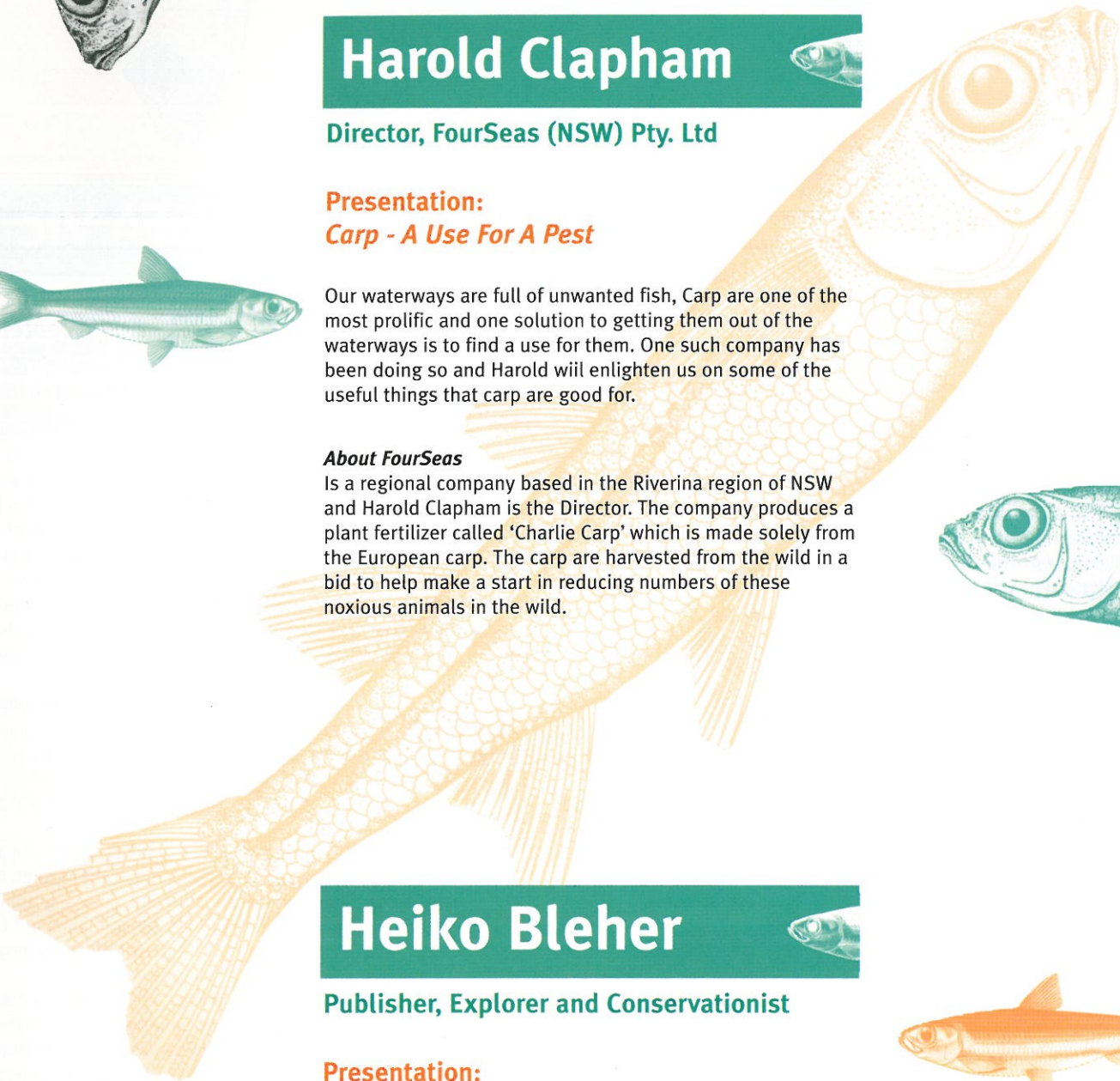
Presentation:
Carp - A Use For A Pest



Our waterways are full of unwanted fish, Carp are one of the most prolific and one solution to getting them out of the waterways is to find a use for them. One such company has been doing so and Harold will enlighten us on some of the useful things that carp are good for.

About FourSeas

Is a regional company based in the Riverina region of NSW and Harold Clapham is the Director. The company produces a plant fertilizer called 'Charlie Carp' which is made solely from the European carp. The carp are harvested from the wild in a bid to help make a start in reducing numbers of these noxious animals in the wild.



Heiko Bleher

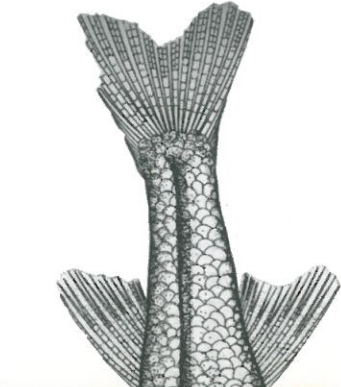
Publisher, Explorer and Conservationist

Presentation:
To Be Announced

About Heiko



Heiko is a publisher, explorer, conservationist who has the luck to travel the world documenting, cataloguing and exploring remote parts of all continents. Heiko has produced many magazines, articles and photographs of the often bizarre new flora and fauna that he chances across. He leaves no stone unturned in his quest for new species of fish and plants.





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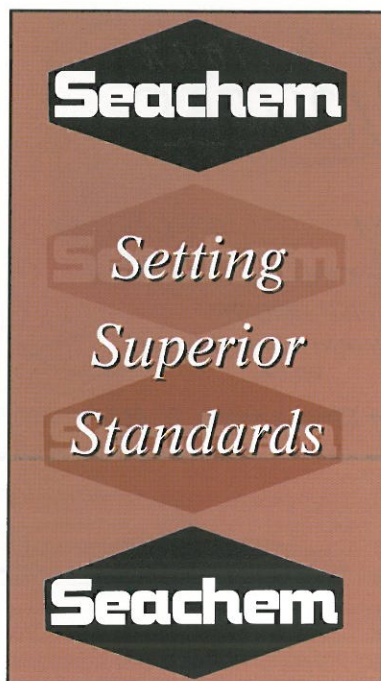
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The History of ANGFA NSW

Initial contact was made by David Crass, Ian Baddock and Barry Hollingsworth and discussions were held at the Doncaster Hotel to start up a New South Wales branch of ANGFA. The first meeting was to be held at the Sydney Aquarium on availability of the education room.

On the 2nd of August we had our first official meeting. NSW was here to stay. Growing rapidly, we welcomed our first international member, Marcel Garot, from Paris who was in Australia to work in the Northern Territory for twelve months. A trip was organised to dingo ck near Taree to search for an unidentified goby or perch that has been caught there. Cameron Bee was the secretary, Derek Girkin was the man with the money, John Hutley the librarian, David Crass the species controller, Ian Baddock the editor, Martyn Robinson the vice president and Barry Hollingsworth was the president. Our logo at that time was designed by Martyn Robinson and it consisted of the Murray cod at the top, the Nepean herring at the bottom and the non-parasitic lamprey both left and right. Membership was set at \$10 and \$5 if you were a member of National. Our first guest speaker was Bob Gray about his experiences with breeding native fish and who generously donated \$70 to help us begin a bank balance.





Our first auction went very well with a jar of daphnia going to David Morris for \$15. Dereks brother managed to catch the dwarf flathead gudgeon spawning on video. Trip to Dingo ck was successful the first time but was flooded out the second time e with no luck to find this mystery fish.

Had a stand at the pet expo in 96 which was well received and created more interest in the club. Then an article in the Hornsby advocate on out carp eradication trip at a dam at Berrilea which resulted in the removal of 400+ carp..and this led to totally wild getting in touch with Derek with regards t ANGFA and native fish so they did a segment on carp busters and also Derekís fish room. This year we were involved in the pet expo again shared with bob Croucher and also the profishionals which generated in more memberships. Contact from Australian Geographic resulted in a survey of the ponds on their property which was published in Australian Geographic newsletter which is distributed Australia wide and generated a lot of interest from interstate and new guinea. The most recent activity this year was a biodiversity survey of OíHares creek which was a huge success which has led to further involvement in this ongoing field with national parks and continued communication.

We would like to thank Tim Fischer and the ACF for their interest and their contribution to the convention. The ACF have been actively involved in helping to raise awareness of the plight of many of our endangered species not just fish and are actively engaged in promoting healthy rivers and bringing back from the brink many of our endangered fish species. They also produce a bi monthly high quality magazine available through membership of the ACF called habitat.

We at ANGFA applaud their efforts and hope that you our members will feel this way too and become a member and help them is this worthy cause



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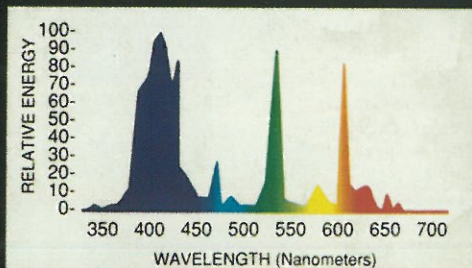
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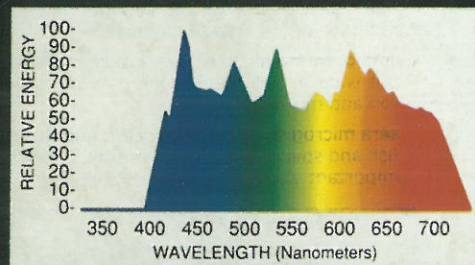
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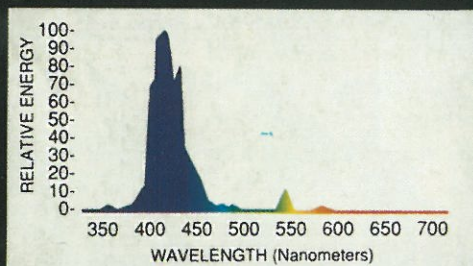
ACTINIC 03 BLUE™

360° WITHOUT REFLECTOR

MAGTINIC 03 BLUE™

180° WITH SUPER
MAGNIFYING REFLECTOR

100% Actinic 03 Blue.
7100 Kelvin. Peaks at 420
nanometers.



Enhances the vibrant fluorescent colors of fish and invertebrates. Conditions the tank environment before and after the daylight cycle.

6500 Kelvin
Full Spectrum Lamp with Rare Earth Phosphors for a bright and colorful aquarium. Simulates natural daylight. Full spectrum emission allows tank's inhabitants to carry out essential biological photoreactions.

CORALIFE LAMPS
OPERATE ON ALL STANDARD BALLASTS AND ARE IDEAL FOR FRESHWATER, SALT-WATER AND REEF TANKS.



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sera brand products

for a healthy and well-balanced aquarium

sera granulated food

sera granumix - the ideal food for all community fish. Due to the composition and combination of high quality raw materials, sera granumix is also accepted by the most finicky fish.

sera granumarin - the high quality staple diet for all salt-water fish contains iodine, sea algae, krill, plankton and minerals.

sera microgran - mini-granulated food for all young fish and species with small mouths. It contains all important vitamins and trace elements.



sera flake food and tablets

sera flora - the vegetable flakes are particularly suited for plant and algae-eating species, enriched with minerals, numerous vitamins and highly nourishing amino acids.

sera vipan - the popular staple diet with more than 40 different raw materials for the daily feeding of all ornamental fish.

sera O-nip - the delicate food tablet for all salt-water and fresh-water fish, it consists of 50% high quality flakes and 50% vacuum-freeze-dried food substances.



sera water conditioners

sera aquatan - provides clear and fish-friendly water. It immediately binds harmful metal ions and neutralizes dissolved salts and aggressive chlorine. sera aquatan is indispensable when the tank is stocked for the first time and after every water change.

sera florena - the liquid plant fertilizer for all plants that mainly take in the nutrients through the leaves.

sera nitrivec - the biological water conditioner for immediate introduction of fish contains a large quantity of nitrobacter bacteria.



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- ☐ How your ornamental fish will become healthy and lively again

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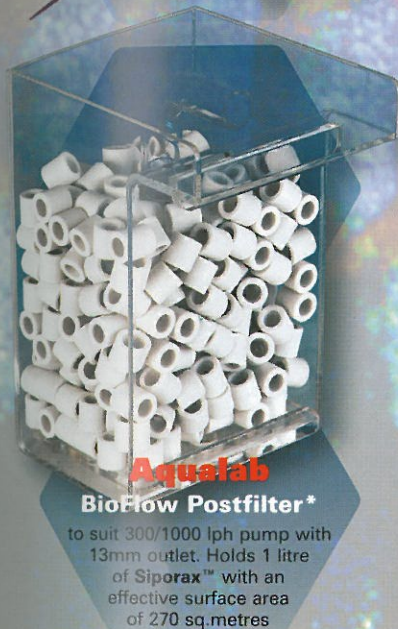
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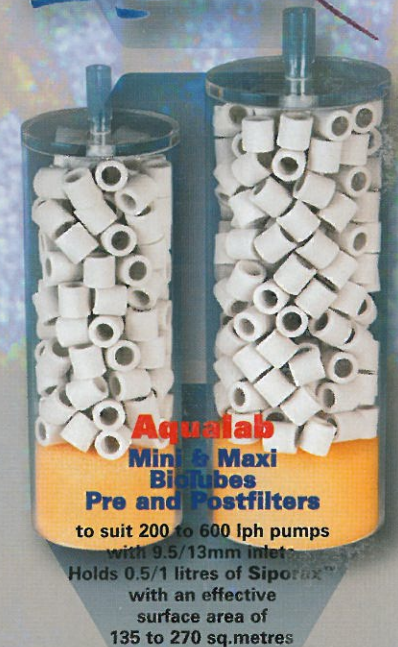
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Promotes the vigorous root growth needed to develop a truly spectacular underwater garden.

Aqualab Prefilter Small
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Laguna

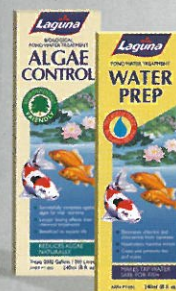
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