

**A FISH ODYSSEY**

**ANGFA**



**2001**

**S.A.N.F.A. ADELAIDE**

**AUSTRALIA NEW GUINEA FISHES ASSOCIATION**  
INCORPORATED

**NATIONAL CONVENTION  
OCTOBER 27-28  
ADELAIDE AUSTRALIA**





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## CONVENTION 2001 PROGRAMME

### FRIDAY EVENING:

|           |                                      |
|-----------|--------------------------------------|
| 7.00-8.00 | <b>Pre AGM Drinks.</b>               |
| 7.00-7.30 | <b>Convention Registration.</b>      |
| 8.00      | <b>ANGFA Annual General Meeting.</b> |

### SATURDAY 27th OCTOBER:

#### Morning Program

Session Chairman: Robert Marshall and Mark Chettle.

|                                                |                                                                            |
|------------------------------------------------|----------------------------------------------------------------------------|
| 8.00-8.45                                      | <b>Registration &amp; Coffee.</b>                                          |
| 8.45-9.15                                      | <b>Convention Opening.</b>                                                 |
| 9.15-9.45                                      | <b>Neil Armstrong -<br/>"Arafura Swamp".</b>                               |
| 9.45-10.15                                     | <b>Steve Clark -<br/>"The Ecological Aquarist".</b>                        |
| 10.15-10.45                                    | Morning Tea                                                                |
| Session Chairman: Kevin Brodie & Glenn Briggs. |                                                                            |
| 10.45-11.30                                    | <b>Mike Hammer -<br/>"Australian Pygmy Perch &amp; Carp<br/>Gudgeons".</b> |
| 11.30-12.15                                    | <b>Ray Leggett -<br/>"The Rivers of Cape York and the<br/>Kimberley".</b>  |
| 12.15-1.30                                     | Lunch.                                                                     |

#### Afternoon Program

Session Chairman: Keith Hand & Neil Armstrong.

|                                            |                                                  |
|--------------------------------------------|--------------------------------------------------|
| 1.30-2.15                                  | <b>Bryan Pierce -<br/>"Flinders Mogurnda".</b>   |
| 2.15-3.00                                  | <b>Dr Bruce Hansen -<br/>"Aussie Blue Eyes".</b> |
| 3.00-3.30                                  | Afternoon Tea.                                   |
| Session Chairman: Bob Lines & Mark Chettle |                                                  |
| 3.30-5.00                                  | <b>Heiko Bleher -<br/>"Presentation No. 1".</b>  |

### SATURDAY EVENING:

|            |                                           |
|------------|-------------------------------------------|
| 5.45-6.15  | <b>Pre-Dinner Drinks.</b>                 |
| 6.15-8.15  | <b>Convention Dinner.</b>                 |
| 8.15-11.30 | <b>Auction Conducted by Glenn Briggs.</b> |

### SUNDAY 28th OCTOBER:

#### Morning Program

Session Chairman: Bob Lines & Bruce Hansen.

|                                            |                                                                         |
|--------------------------------------------|-------------------------------------------------------------------------|
| 8.15-8.45                                  | <b>Registration &amp; Coffee.</b>                                       |
| 8.45-9.15                                  | <b>Andrew Bock -<br/>"South Australian Pictorial".</b>                  |
| 9.15-9.45                                  | <b>Barry Crockford &amp; Rodney Wubben -<br/>"Rainbowfish Revival".</b> |
| 9.45-10.15                                 | <b>Dr Stephen McLeod -<br/>"Freshwater Aquatic Mammals".</b>            |
| 10.15-10.45                                | Morning Tea                                                             |
| Session Chairman: Keith Hand & Ron Bowman. |                                                                         |
| 10.45-11.15                                | <b>Darren Niejakle -<br/>"Mound Springs".</b>                           |
| 11.15-12.15                                | <b>Bryan Pierce -<br/>"Flinders Mogurnda (Part 2)".</b>                 |
| 12.15-1.30                                 | Lunch.                                                                  |

#### Afternoon Program:

Session Chairman: Kevin Brodie & Andy Wattam.

|                                                   |                                                                         |
|---------------------------------------------------|-------------------------------------------------------------------------|
| 1.30-2.15                                         | <b>Professor Michael Tyler -<br/>"Amphibian Interaction with Fish".</b> |
| 2.15-3.00                                         | <b>Steve Clark -<br/>"Overview of Organic Aquaculture".</b>             |
| 3.00-3.30                                         | Afternoon Tea.                                                          |
| Session Chairman: Mark Chettle & Robert Marshall. |                                                                         |
| 3.30-5.00                                         | <b>Heiko Bleher -<br/>"Presentation No. 2".</b>                         |
| 5.00                                              | <b>President Elect 2002 -<br/>"Convention Close".</b>                   |



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## CONVENTION ORGANISERS

The 2001 ANGFA NATIONAL Convention has been organised by the South Australian Native Fish Association (SANFA) Inc "Convention Sub-Committee". Special thanks to Club President Robert Marshall for his illustrations and the Graphic Art work.

Treasurer Andrew Bock, Danny Walker, Brett Hall, Gavin Rich, Jeremy Doherty also Alex & Elisabeth Foreman who for work reasons could not continue on the committee, however when they attend the convention I am sure they will be assisting behind the scenes.

The support already received and anticipated support at this convention of ANGFA National & Regional Group members deserves special mention. With their assistance and support the Convention will be a success.

Once again Jennifer Palmer a special thanks for organising sponsorship.

Glen Briggs for his assistance,

Neil Armstrong, Mark Walker, and Bob Robinson for giving of their time.

"The Haven Inn": Michael Brown & Staff.

Post Convention: Monday 29th October – Our thanks to S.A.R.D.I for providing a Tour of their establishment.

Also Warrawong Sanctuary for providing free entry for the Tour Group.

Our Thanks to all the Presenters, Session Chairpersons, Auctioneers and the many un-named people who contributed to the success of the Convention.

Last but not least the ANGFA National Committee.

Graham Walker Convention Co-ordinator

This publication has been produced by: Graham Walker, Ken Smales, Mark Chettle, and Robert Marshall

**SPECIAL NOTICE:**  
**ALL MEMBERS AND VISITORS AT**  
**THE CONVENTION ARE**  
**REQUESTED TO ENSURE THAT**  
**MOBILE PHONES ARE SWITCHED**  
**OFF WHILST INSIDE THE**  
**CONVENTION CENTRE.**

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## WELCOME!!

*Please use this weekend to exchange information and make new friends and contacts. Record their names and addresses for future use.*

*Take notes, ask questions.  
This is a unique opportunity to increase your knowledge of our aquatic environment.*

*Please join in and enjoy yourself*



## NEIL ARMSTRONG

### About Neil Armstrong:

A foundation member of ANGFA and in more recent times awarded Life Membership for his active contributions to the Association over the years. He is regarded as one of the leading photographers of fish, and his photographs grace numerous and varied publications about fish in Australia and overseas.

Based in Melbourne, Neil, known to many of his friends as "The Silver Budgie" has travelled to many parts of Australia collecting fish, his eye for detail and great knowledge of the habits, habitats, and breeding of native fish is called upon regularly by all involved in the study and keeping of our fishes. By invitation Neil has travelled overseas to the United States and given presentations at the RSG conference in San Francisco in 1997 and again in Europe where he was invited to speak at the I.R.G. 1999 convention held in Bensheim Germany.

Neil has on numerous occasions entertained the attendees of ANGFA Conventions, and once again by popular demand has agreed to make yet another presentation.

### Neil's Presentation:

#### "The Arafura Swamp"

This presentation features a trip to the Arafura Swamp in 1999 with Neil and other ANGFA members that included Bruce Hansen, Andy Wattam, Dave Wilson and Ian Morris (of Kakadu fame) where, amongst other things, they discovered *Iriatherina werneri* for the first time in the N.T. The famous Goyder River drains into the Arafura Swamp which is a goldmine of native fish and other wildlife found within this unique part of Australia.

## WARRAWONG SANCTUARY



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## ANDREW BOCK

### About Andrew Bock:

Andrew grew up in Narrandera, N.S.W. where his father for many years worked at the Narrandera Inland Fishes Research Centre.

Consequently Andrew at an early age had a strong interest in fish but now has broadened his horizons into other fauna as well.

Andrew has lived in Adelaide for the past 10 years. In this time he joined SANFA when it was in its infancy. He soon became a member of the Committee and is a past President and currently the Association Treasurer. At present he is in the process of building a fishroom to expand his hobby as an aquarist and photographer of fish. Exploring on field trips is another of his skills and Andrew has been travelling around the State of South Australia during these past 10 years.

### Andrew's Presentation:

#### "Overview of Fauna of South Australia"

Andrew's Presentation is a short overview of South Australia; some of the locations and fauna of South Oz.



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## STEPHEN B. CLARK

### About Stephen B. Clark:

Born in London, United Kingdom, 1958. Worked at the Bentley Colliery, Yorkshire, in deep coal mining including tunnelling techniques, health and safety. From 1990; a change of career to the development of an environmental consultancy and has since undertaken assignments to China, Czech Republic, India, USA, Spain & Australia.

1993, held the position of Director and later in-house consultant in the core management team of Earth Centre. From 1993 to 1996, Steve conceived, designed and built the first Ecologically Sustainable Freshwater Finfish Farm in the United Kingdom.

At this time, carrying out desk and internet research, conceptual & detail design, project planning & management, business development, consultation & networking and more recently the development of two exhibitions concerning sustainable development.

Recently was the project manager of the Earth Centre's suite of five internet sites managing a budget of 500,000 UKP and concurrently formulating the design of an 150,000 UKP integrated biosystem comprising a demonstration of agricultural, horticultural and aquacultural units. The fish farm will be culturing native freshwater fish for food. Also has extensive internet experience and developed his own home site which is rapidly developing into a portal concerning organic aquaculture at: <http://www.fishace.com>

His introduction to fishkeeping began twenty years ago by stumbling across a discarded aquarium left by the previous homeowner. He steadily moved up the amateur ladder to the position of Chairman for a regional fishkeeping association. This led to visiting West Germany and armed only with a pocket phrase book contacted a similar organisation, initiated a partnership and two years later was honoured by the Mayor of Russelsheim for his efforts. At 21 years of age, formed a trading partnership and imported aquarium fish into the United Kingdom.

Wrote a book as a co-venture on Snakeheads. This accounted for 3 years of research, compiling 400 scientific references and summarising such data into a 26,000-word manuscript. Completed work underwent a critical review by British Natural History Museum and evaluation by Singapore University. After 7 years and many revisions it will soon be published by the Anabantoid Association of Great Britain. A regular contributor to international ornamental fishkeeping magazines since 1989, having 32 articles published to date.

In March 1990, he travelled to India on a self-funded business and field research trip and visited a variety of fishery research stations to collate Channidae material and met a good cross section of the scientific and business community. Subsequently exported Indian native freshwater species for controlled breeding and sales in the United Kingdom.

After an initial feasibility visit, he returned to Arcadia, Florida, USA in June 1991 to a commercial R&D orna-

mental freshwater fish farm, employed as Assistant Farm Manager. Experience attained was in the discipline of artificial inducement and environmental control techniques in the breeding of exotic freshwater fish species (in particular extremely marketable species such as Red Tailed Black Shark (*Labeo bicolor*) & African Elephant Nose (*Gnathonemus. petersi*).

On return from the United States he began a self-financed 31500-litre water recirculatory system based in Doncaster, South Yorkshire. This period realised the first European incidence of spawning the Indian Mud Murrel (*Channa punctata*) and the Sri Lankan, endangered species *Malpulutta kretseri* in captivity.

In 1992 joined Environ Ltd, as Northern Sales Executive. This constituted sales and advice to wholesale and retail ornamental fish outlets. The product range related to innovative educational aquarium products, including point of sale information, labelling systems, aquarium water testing facilities, computer based software and electronic fish information points. One of many contracts was based at Nautilus Aquatics, Wakefield with the design of hatchery filtration systems; implementation of captive breeding programmes for goldfish and koi carp; for sales through retail outlet. Developed a fish disease diagnosis service involving microscopic analysis and treatment of sick fish.

In May 1993, Steve attended the World Aquaculture Congress held in Torremolinos, Spain and lectured on following subjects: 1 Trends in European Ornamental Fish farming; 2. A new food fish (Channidae) for Europe.

A certain degree of his time has been devoted to the research and formulation of Earth Centre policies and strategies in relation to sustainable issues in freshwater ecology, conservation, aquatic production, ecological wastewater treatment and integrated farming systems.

Now working in South Australia.

### Stephen's Presentations:

#### "The Ecological Aquarist" "Overview of Organic Aquaculture"



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## BARRY CROCKFORD & RODNEY WUBBEN

### About Barry Crockford:

Barry received his first fish tank at the age of 12 as a birthday gift from his mother and built his first fish room at age 17. Also at this time his interest developed into aquatic plants. In 1955 he joined the R.A.A.F. but with the help of his parents he was still able to manage keeping his fish room going. In 1960 his work took him to Papua New Guinea and Netherlands New Guinea and he returned to Australia in 1967. From 1972 to 1999 Barry has returned to PNG many times specifically for native fish collecting trips and was responsible for introducing many species into Australia, including *Glossolepis maculosus* which he discovered in 1979.

### About Rodney Wubben:

Rod's passion with fish began in the early 60's. It was not until his 10th birthday that his parents presented him with his first tank. Of course the number of aquariums grew exponentially from 2 up to 12 located in a small section of his father's 100ft orchid glass house. The number of aquariums declined with tertiary studies and a development career as an Industrial Chemist. Rod returned into the hobby in 1996 with a focus on native Rainbowfish. This led to Rod teaming up with Barry Crockford in 1999 to start SRSG - "Specialist Rainbowfish Species Group." While discussing Native Rainbowfish in 1999 Barry and Rod made an observation that many rainbowfish species were difficult to obtain or just not available. This prompted them to undertake a survey of the fish hobby, confirming their initial thoughts and a decision was made. After discussions with local hobbyists the idea of the "Specialist Rainbowfish Species Group" was born. This paper aims to provide an outline of the initiation and development of the Group over the past 2 years and the Group's progress to date.

**Editors Note:** The South Australian Native Fish Association Inc contacted SRSG Victoria and in March 2001 formed a similar group in South Australia.

### Barry and Rodney's Presentation:

#### "Development of the SRSG in Victoria"



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## HEIKO BLEHER

### About Heiko Bleher:

Born in an air raid shelter in 1944 in the 80% war-damaged city of Frankfurt on Main, his development into probably Germany's most important international exporter of tropical fishes and discoverer of new species is so adventurous and eventful that it can only be described here in brief detail. His grandfather; Adolf Kiel after numerous collecting trips, founded what was early this century, Frankfurt's largest aquatic plant and tropical fish establishment. Heiko's mother, Amanda Bleher, continued the tradition with yet greater application and energy. The international press named her "The woman with the heart of Tarzan". Crash-helmeted on a motorcycle, she travelled throughout Europe and northern and central Africa. Her travelling ended with all four children (Heiko was the youngest) deep in South America. Starting at Rio de Janeiro, she went off with the children into the deep Brazilian jungle, into the Matto Grosso region, and lived there with the Indians for 6 months, searching for new plants and fishes. These experiences left their mark on Heiko, his future was pre-ordained.

Back in Germany in 1955, he attended school till 1960. Then back to Rio de Janeiro. Mother Amanda had set up a farm for aquatic plants, orchids and fishes at the city's edge. Heiko worked on the farm for four years and also looked for rare fishes and plants in the jungles of Goias, Minas Gerais, Parana, Para and the Amazon. Then to the United States for further study (biology, ichthyology, parasitology, limnology and oceanography). During his studies he set up a plant station for Dr. H. R. Axelrod's Gulf Fish Farms in Florida. After this two-year stay he went back to Brazil and opened his own fish-catching and collecting stations in three states. In 1967 he returned to Germany and opened Aquarium Rio in Frankfurt on Main.

Heiko Bleher is an unusually vibrant, versatile personality; speaks seven languages fluently, is a prolific writer and author; shoots documentaries and is an enthusiastic photographer. Heiko supplies the wholesale trade and zoological gardens worldwide with newly discovered species and those which have died out in the wild. When asked what motivated him to put his life at risk time and time again on hazardous expeditions, Heiko's reply was that his purpose in life was to search for rare and undiscovered fishes before most natural paradises are finally destroyed by mankind, and his hope was to maintain the species in this way.

Many species of fishes which he has discovered have already been named after him including the red-headed tetra *Hemigrammus bleheri*, and the wine-red rainbowfish *Chilatherina bleheri*. We are indebted to him for innumerable species which now swim in European aquariums. Rainbowfishes such as *Melanotaenia boesmani*; *lacustris*; *trifasciata*, *Glossolepis wanamensis*, *Pseudomugil furcatus*; *connieae*; *mellis* and *gertrudae* to name just a few.



## MICHAEL HAMMER

### About Michael Hammer:

B.Tech Aqua: Flinders University S.A.

B. Science Honours: Adelaide University.

Michael's keen interest in native fish began by observing them in aquariums and in nature, that has now extended to research into the conservation, ecology and genetics of our interesting Australian fish species. This has a focus on community involvement to relay the knowledge gained from research (eg. a series of data sheets on the freshwater fishes of the Mount Lofty Ranges. S.A.)

### Michael's Presentation:

#### "Introduction to Sth Australian Species"

Michael's talk will provide an introduction to some of South Australia's newly described species and species complexes (ie. carp gudgeons). Followed by a tour of Australian Pygmy Perch habitats and inhabitants, the latter includes a new pygmy perch species and several other findings and discoveries from recent study.

## BRUCE HANSEN

### About Bruce Hansen:

Bruce has been catching and keeping fish for over 50 years and was overjoyed to find that other grown men did the same thing – so he joined ANGFA back in 1983. At that stage he had no fish and one old 4 foot aquarium in the garage that had not seen water for 15 years. Soon after he was right into the fascinating hobby of native aquarium fish and all that goes with it. At home he accumulated a personal library of over 2000 titles mostly "aquatica."

Since then he has made numerous collecting and surveying trips to many parts of Australia and even one to New Guinea, most of which have been shared with fellow ANGFA members through the pages of various club publications. Last year ended 6 years as national President of ANGFA and is an ardent supporter of the educational character of all such hobby organisations.

Although he has maintained a wide variety of native species (from Ambassids to Zenarchopterus) he has always had a soft spot for "Blue Eyes" and his presentation at this conference will be on "Australian Blue Eyes."

### Bruce's Presentation:

#### "Australian Blue Eyes"

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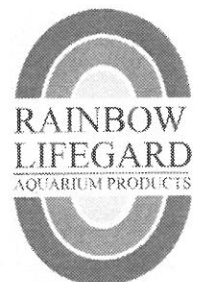


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## RAY LEGGETT

### About Ray Leggett:

Ray began taking an interest in fish around 1945 when he collected spangled perch and rainbows in the local creek. As opportunity presented itself he made more tanks, went further afield collecting fish and aquatic plants and in 1958 a move to Townsville gave him the chance to explore the creeks and rivers of north Queensland, including several trips to Cape York and one 3 month field survey of the Kimberly. Ray has always enjoyed the challenge of breeding fish and to date has managed to breed and raise over 200 species, from rasboras to cichlids, rainbows and catfish. He currently makes his living carrying out surveys of impoundment's, rivers, wetlands and creeks.

### Ray's Presentation:

#### "The Rivers of Cape York and the Kimberly"

## STEPHEN McLEOD

### About Stephen McLeod:

Batchelor of Science, Master of Science & Dr of Philosophy. Recently became the Group Wildlife Officer for Earth Sanctuaries.

Born 1961, from 1980-94 attended the Deakin/Macquarie University & University of Sydney.

Steve commenced his career at the Macquarie University as Animal House Manager and Grounds Officer, later at Macquarie University the Scientific Officer; Marsupial Cooperative Research Centre.

We are very pleased to have Steve avail himself to attend our convention and his presentation we are sure will be well received.

### Stephen's Presentation:

#### "Aquatic Mammals in Australian Fresh Water"

The physiology and behaviour of this fascinating animal will be discussed along with its unique habitat at Warrawong Earth Sanctuaries and the continuing efforts of Earth Sanctuaries Ltd to save threatened wildlife.

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## DARREN NIEJALKE

### About Darren Niejalke:

Darren is a senior management scientist with Western Mining Corporation (WMC) Ltd., and is currently responsible for the management of groundwater and biological issues associated with companies. Olympic Dam operations in Northern South Australia. As part of his role he has been working with the Great Artesian Basin (GAB) and its associated Mound Springs for the past 7 years.

In conjunction with Flinders and Adelaide Universities, Darren has on an extensive array of research that is aimed at improving our understanding of the mound spring ecosystems.

### Darren's Presentation:

#### "Mound Springs"

Mound Springs are perhaps the most unique, but poorly known wetland habitats in Australia. They were recently one of the first ecological communities to be listed endangered in Australia. Scattered throughout some of the most isolated parts of Australia, each spring group can support a unique and different assemblage of plant and animals, including fish.

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## BRYAN PIERCE

### About Bryan Pierce:

Born 1955. U.S.A. Current Employment: South Australian Research Development Institute. (S.A.R.D.I.)

Bryan has an absolutely crystal clear core vision: -- "healthy fish and fisheries through innovative, cost-effective research." Considerable experience underpins the continued devotion to achievement of this vision at a practical level amongst both communities and aquatic ecosystems. Bryan has practical experience working within all three key fishery stakeholder groups.

He has worked as a commercial fisherman, harvesting salmon on the west coast of North America. He has been an active recreational fisher since the age of seven, angling any available fish -- from tiny inmates of aquariums, to trout, shark and mighty Murray cod. He has also contributed on an ongoing basis as a conservationist, and sometimes "radical greenie," pursuing active habitat protection and rehabilitation.

Bryan has a diverse education, with a specialist Bachelor of Science degree in Fisheries from the prestigious University of Washington, College of Fisheries, where he graduated top of his class. He completed a Masters of Science in Fisheries and Wildlife Biology from Colorado State University where his thesis research focused on the unique stewardship requirements of locally adapted salmonoid species specialised to live within a deep, low productivity North American lake. A firm believer in continuing education, he continues to regularly challenge himself with diverse personal development opportunities, an insatiable capacity for reading in both his chosen field and any developing areas which can be brought to bear towards the achievement and continuous improvement of his core vision.

Bryan's work experience is diverse. He has had a successful consulting career including work in all Australian mainland States; parts of Asia, and throughout North America. Consulting focus has included aquaculture (particularly inland species), core aquatic research (both habitat and fishery related), development (value-adding and harvest technology improvement), and most recently, strategic planning and guidance. He has over a decade's experience within the South Australian public service, where he has sought to balance the needs of diverse stakeholders and managers while retaining a focus on achievements at the "coal-face" where fisheries management success actually has to happen.

Bryan, through the position of Senior Inland Fisheries Scientist with the South Australian Department of Fisheries, and later as Program Leader, Inland Waters Research and Development Program, SARDI Aquatic Sciences has continually produced professional contributions to the fisheries discipline including:

Almost 70 scientific and popular papers; over 200 public presentations; over 180 media contacts aimed at improving public understanding of aquatic resource sustainability issues; over 8000 hours unpaid professional contribution

to South Australia's inland fisheries stakeholders and resource sustainability.

Several key milestone successes punctuate the pathway to achieving his core vision: Application of innovative science: for example, producing the highest known density of any wild or cultured system of water fleas (*Daphnia*) using a low-cost electronic chemostat applicable to aquaculture and other live feed production; Innovative development work applying depth of knowledge of diverse fisheries techniques and experiences which allowed the doubling of harvest rates in one Australian fishery -- literally overnight. Not only was production and business efficiency radically increased, but actual fuel usage and environmental impacts were reduced at the same time;

Environmental Management Planning cooperative development: Mr Pierce was part of a world-first team development approach to planned fisheries sustainability as applied in the Lakes and Coorong Fishery of South Australia. This involved application of EMS principles to an entire fishing industry, with the involvement of all participant businesses. This planning system continues to develop, evolve, and improve in the application of fisheries co-management principles on the water and in practical terms; Voluntary Environmental Data collection systems: Bryan, as supervising scientist, assisted in the implementation of a practical voluntary data collection system across two commercial fishing industries in order to greatly expand the value of commercial fisheries systems to both ecosystem management and the associated regional communities. Through systematic collection of key observational data to underpin the assessment of ecosystem and fishery health in the future.

### Bryan's Presentation:

#### "The Flinders Range Purple Spotted Gudgeon (*Mogurnda divicolla*)"

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## MICHAEL TYLER

### About Michael Tyler A.O.:

Associate Professor, Dept of Zoology; University of Adelaide.

For ten years Michael was Chairman of the South Australian Museum Board, and since 1994 has been the President of the Royal Zoological Society of South Australia and acknowledged as the foremost expert on Australian Frogs.

Mike is fondly referred to as the "Australian Frogman". He was born 1937 and educated in Surrey, England.

He first became interested in "Frogs" working as a Volunteer in the British Museum. He emigrated to Australia in 1957, gained his Master of Science (Adelaide) 1974.

Over the years he achieved and received numerous Distinctions, to name just a few of these Awards:-

- **1980:** Sir Joseph Verco Medal contributions to herpetology; • Australian Natural History Medallion contributions to Australian Natural History; • Fellow, Australian Institute of Biology
- **1993:** City of Adelaide, Australia Day Citizen of the Year. for contributions to the community;
- **1995:** Officer of the Order of Australia for contributions to Zoology;.
- **1997:** Michael Daly Eureka Prize for Science Communication;
- **1998:** Fellow, American Association for the Advancement of Science; • 1998 Riversleigh Medal.

As are his awards too numerous to mention, so are his Publications, Papers and monographs in referred journals, numbering in at over 350. Several of his books dating back to 1966 have been re-revised over time.

- Frogs' (Revised Edition) Collins 1982; • 'Frogs of Western Australia' (with L.A. Smith & R.E. Johnstone) Western Australian Museum (third revised edition) 2000;
- Encyclopedia of Australian Animals "Frogs" Revised CD-ROM edition, Webster 1995, the book Collins Angus & Robertson 1992.

Other recent publications: "Frogs as Pets"; Australian Frogs a Natural History, New edition 1999, Reed New Holland.

Over the years Michael has worked as a consultant with many Government and Private Companies in Australia and also Overseas.

With all this knowledge and experience we are ensured his Presentation will be informative and Mike's style often has a humorous flavour relating to the origins, biology, environment and diversity of frogs.

### Michael's Presentation:

#### "Amphibian Interaction with Fish"



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## ABOUT THE SOUTH AUSTRALIAN NATIVE FISH ASSOCIATION INC.

The club formed April 2 1992 as a sub-group of the S.A. Aquarium Society. At their first AGM mid 1994 the group voted to establish itself as an independent incorporated body. The club later applied to become an affiliate of the Australian New Guinea Fish Association. (ANGFA) and in late 1996 was accepted. The Club was very pleased to receive from ANGFA National a complete set of "Fishes of Sahul" for their library and we now enjoy the benefits of being a part of ANGFA and its Regional Groups.

The objects of the Association are the keeping and propagation of native fish of Australia and New Guinea, particularly South Australian species; the surveying of habitats to establish a body of knowledge relating to native fish; the continual study of matters relating to the ecology and conservation of native fish and informing the community and appropriate agencies of knowledge gained.

The Association meets at the Payneham Community Centre, Payneham Rd, Payneham, on the first Monday of every month starting at 8:00pm. Visitors are always welcome to attend.

For more information phone 08 8337 7007 Graham Walker email: reklaw01@bigpond.com

The Club makes available monthly field trips to its members. We also encourage members to display native Fish each year in the Royal Adelaide Show and as a rule the Club also display Native Fish for educational purposes..

The dream of a public freshwater aquarium in Adelaide started many years ago. In 1996 the club completed a display with the aid of a grant from "The Murray Darling Basin Commission" of eight aquaria housing fish of the Murray Darling Basin in the Adelaide Zoo bringing that dream to reality.

March 1998 the South.Australian Native Fish Association in conjunction with the Office of Catchment Water Management Board set out to produce a poster of the "Freshwater Fishes of the South Australian Gulf Division" (That is the watercourses that drain into the Spencer and Vincent Gulfs). At this point in time these waters are of little Commercial fish value. They do however contain native fish species little known to the general public and their conservation is of great importance to South Australia and future generations.

The Artwork, Layout, & Photographs for the poster were in the main produced by members of the South Australian Native Fish Association. their Project Committee are worthy of mention:

Andrew Bock in charge of photography, Robert Marshall artwork & layout, Michael Hammer, Bill Hann, Daniel Walker all fishermen and fish keepers etc., finally Graham Walker project coordinator.

The South Australian Native Fish Association also produce a quarterly publication "AUSTRALIS" - editor Gavin Rich - contact number phone (08) 8254 8796 or email: garich@senet.com.au

Over time the Association has on request stocked South Australian fishes into several new Wetlands recently created in South Australia.

At the AGM of the ANGFA National Convention in Melbourne it was confirmed the South Australian Native Fish Association would host the 2001 ANGFA National Convention in South Australia.

The Organising Committee of ANGFA hope you enjoy the Convention as well as your stay in South Australia and we look forward to meeting you all again in 2002 at the next National Convention.



***The organising committee of ANGFA hopes you enjoy the 2001  
South Australian National Convention and sincerely wishes  
that you may again rendezvous in 2002 at the  
N.S.W. National Convention in Port Macquarie***





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