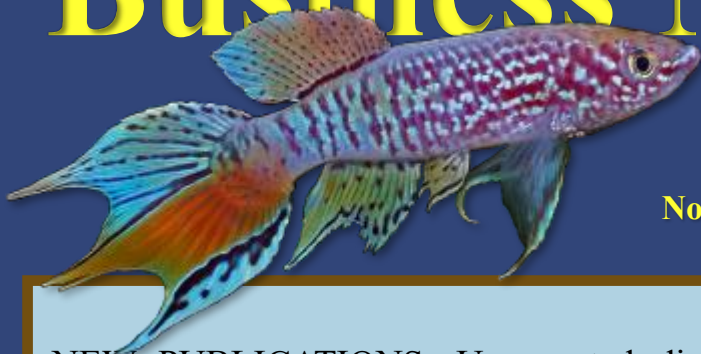


# The Business Newsletter

of the American Killifish Association

November 2018

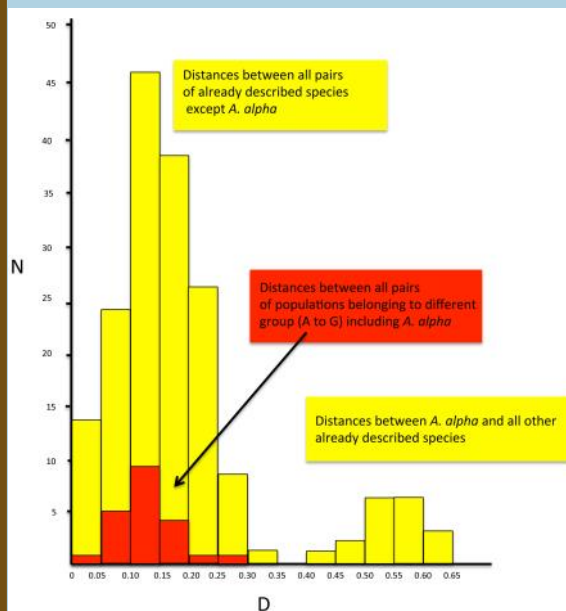
VOL. 57 No. 11



**NEW PUBLICATIONS:** Unexpected discovery of six new species of *Aphyosemion* (Cyprinodontiformes, Aplocheilidae) in the Wonga-Wongué Presidential Reserve in Gabon Jean-François Agnèse, Laurent Chirio, Olivier Legros, Richard Oslisly, Hervé Mvé Bhé. *European Journal of Taxonomy*, No 471 (2018). Full text is online at <http://www.europeanjournaloftaxonomy.eu/index.php/ejt/article/view/602/1386>

## ABSTRACT:

During a survey of the fishes in the region of the Wonga-Wongué Presidential Reserve, 14 new populations of the subgenus *Chromaphyosemion* Myers, 1924 were found. These observations extend the previously known distribution range of the subgenus 120 kilometres southward. None of these populations could be related to any described species. Based on the colouration of the males and females, together with a genetic marker (mitochondrial DNA cytochrome b sequences), the populations studied are grouped into six new species which are described in this article, all close to *Aphyosemion alpha* Huber, 1998 with which they share the presence of a black alpha-shaped mark on the pre- and post-opercular region. The group composed of *A. alpha* and the six new species is referred to here as the *A. alpha* species group. All the new species,



*A. aurantiacum* Chirio, Legros & Agnèse sp. nov.,  
*A. barakoniense* Chirio, Legros & Agnèse sp. nov.,  
*A. flammulatum* Chirio, Legros & Agnèse sp. nov.,  
*A. flavocyaneum* Chirio, Legros & Agnèse sp. nov.,  
*A. pusillum* Chirio, Legros & Agnèse sp. nov. and  
*A. rubrogaster* Chirio, Legros & Agnèse sp. nov., are further unambiguously diagnosed by unique combinations of colour patterns, making it possible to generate an identification key for the *A. alpha* species group. It is likely that the coastal dunes of Wonga-Wongué that form a sandy relief, could have led to the fragmentation and then isolation of the hydrographical networks that flow into the Atlantic Ocean, making possible a significant number of allopatric speciations.

Genetic distances (Kimura 2) between all pairs of species or populations.

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Happy Thanksgiving

The BOT election has been completed and I would like to thank Russ and Jim for their service on the BOT for the past year and it has been my pleasure working with them. We accomplished many things this year and with out their help and guidance this wouldn't have been possible.



Its my pleasure to introduce new the BOT members for 2019 to 2021; Keith Cook who was reelected, Bill Logue, and Bob Meyer and I look forward to working with them next year.

October was busy killifish month with Columbus Killifish Group (CKG) Workshop and Wisconsin Area Killifish Organization (WAKO) Annual Show and I enjoyed meeting and talking with you and discussing the AKA and keeping and raising killies. It was my first time attending CKG and my son and I had a blast and got to purchase some new killies. I am looking forward to the AKA convention that will be hosted by the CKG. What can you say WAKO other than its outstanding show and Jim, Gis, and WAKO gang make you feel welcome and make sure you have enjoyable time in Wisconsin. If you haven't attended either event highly recommend them next year.

Next month, we rolling out the editorial team for the JAKA and December 31 the registration for the convention will begin. Please don't forget about Killie Karnivel being held the first weekend in March and the Michigan Killifish Show being held the last weekend in March.

Don't forgot its all about the fish and friends.

Dave

**MKKA Show results — p 19-22**

**WAKO Show results — pp. 7-17**

Events	Details
29-31 March 2019 Motor City Review Detroit, MI	p. 37 Nov BNL
27 April 2019 Southwest Aquarium Keepers Event (SAKE) Phoenix, AZ	p. 37 Nov BNL <a href="#">2019 Southwest Aquarium Keeper Event (SAKE)</a>

If you are hosting a killie event in the next three months and you don't see it in this table, send your information right away to [bnl@aka.org](mailto:bnl@aka.org). Don't wait, six months notice will enable folks to put on their calendar, and BNL will remind them again as the date nears.

A calendar of other international Killi events can be viewed at [www.killi.org](http://www.killi.org). If you read even a little bit of German, you can find out about events overseas..

### AKA Facebook Page

Check out the AKA facebook page. AKA members and others have been sharing cool killi videos there. As always, submissions welcome. If your club has a meeting, an event or anything else you want advertised, e-mail the information to [aka\\_digital@aka.org](mailto:aka_digital@aka.org). Please include contact information and any deadlines for registration including hotel discount registrations. Thanks!

# News

## Letters to the Editor

These pages are yours. I hope to see your concerns, ideas, and suggestions expressed here in future editions. Please limit letters to one-half page.

AMERICAN KILLIFISH ASSOCIATION

# Convention 2019

**COLUMBUS, OHIO**

**May 23– 27**



**EMBASSY SUITES  
COLUMBUS AIRPORT  
2886 AIRPORT DRIVE  
COLUMBUS, OHIO 43219  
USA**

**HEINZ OTT –  
COLLECTING IN EQUATORIAL GUINEA**

**JEREMY BASCH –  
COLLECTING IN COLUMBIA**

**DR. DAVID KORAN PHD.  
DESERT KILLIFISH**

**CHARLES NUNZIATA –  
KILLIFISH CONSERVATION**

**It's COMING!!!**

## **WAKO Show Results**

It was yet another successful Wisconsin Area Killifish Org. Egg Laying Toothcarp Jamboree this past weekend, Oct. 27-28, 2018. We had a nice crowd in attendance for the seminars presented by Native Fish expert Bob Bock, our always large auction and about 272 Show entries! Everyone was happy with our new location at Comfort Suites. We even picked up two new members for our club, which is real success.

Thank you all for attending, mail-ins, and participants who didn't say "no" when asked to pitch in at the Show. We appreciated being able to share our 50<sup>th</sup> Club Anniversary with all of you.

Results follow:

**2018**  
**Wisconsin Area Killifish Organization**  
**Show Results**

Class 1		All Other New World				
Points	Place	Entry#	Description	Entered by	Sold	
80	2	1	J. floridae (Flagfish)	Gary Greenwood	Y	
75	3	2	J. floridae (Flag Fish)	Sarah Walker	Y	
84	1	3	Luc. goodei	David Hemmerlein	N	

Class 2 Non-Annual Rivulins

Points	Place	Entry#	Description	Entered by	Sold
94	3	1	Anablepsoides (Riv.) derhami Tingo Maria PCC	Gary Greenwood	Y
89		2	Anablepsoides (Riv.) ornatus Neve Horizote	Gary Greenwood	Y
96	1	3	Laimosemion (Riv.) xiphidius Crique Blanche S-	Gary Greenwood	Y
84		4	Laimosemion (Riv.) mahdiaensis GUY 06-4	Gary Greenwood	Y
92		5	Laimosemion (Riv.) leticia Loc P 16-2 Columbia	Gary Greenwood	Y
84		6	Laimosemion (Riv.) xiphidius Crique Boulanger	Gary Greenwood	Y
82		7	Anablepsoides (Riv.) rubrolineatus affinis P-16-	Gary Greenwood	Y
89		8	Anablepsoides (Riv.) cryptocallus	Rick Ivik	Y
95	2	9	Anablepsoides (Riv.) waimacui GUY 02-4	Rick Ivik	Y
88		10	Anablepsoides (Riv.) derhami tingo Maria PCC	Rick Ivik	N
90		11	Anablepsoides (Riv.) iridescens	Jack Heller	Y
88		12	Anablepsoides (Riv.) iridescens	Jack Heller	Y
78		13	Anablepsoides (Riv.) iridescens Rio Dos Mayo	James Gasior	Y
85		14	Anablepsoides (Riv.) rubrolineatus P16-4	James Gasior	Y
75		15	Cynodonichthys (Riv.) isthmensis	James Gasior	Y
82		16	Riv. species Kuna Yala PAN 09-29	James Gasior	Y
93		17	Anablepsoides (Riv.) derhami tingo Maria Pccc	James Gasior	Y
79		18	Laimosemion (Riv.) xiphidius Crique Boulanger	James Gasior	Y
87		19	Laimosemion (Riv.) xiphidius Crique Boulanger	Dave Ryan	Y
85		20	Riv. Sp. Apaporis River Crossing ICE 2015-18 [	Ron Harlan	Y
85		22	Riv. sp taeniatus MORELIA ICE 2016-03	Ron Harlan	Y
89		23	Laimosemion (Riv.) agilae Bagne des Annamite	Mark Hlavaty	N
92		24	Laimosemion (Riv.) agilae Bagne des Annamite	Mark Hlavaty	Y
88		25	Laimosemion (Riv.) xiphidius Crique Boulanger	Mark Hlavaty	Y
89		26	Laimosemion (Riv.) leticia TP 03-16	Mark Hlavaty	Y
86		27	Riv. cylindraceus DKG-1	Gary Palubicki	Y
85		28	Riv. cylindraceus DKG-1	Gary Palubicki	Y
0		29	VOID Anablepsoides (Riv.) erberi IVE 2016-4	Lee Van Hyfte	N
0		30	VOID Anablepsoides (Riv.) hoetmeri NHvdBB 2	Lee Van Hyfte	N
78		31	Anablepsoides (Riv.) taeniatus Morelia 2016-03	Greg Niedzielski	Y
0		32	Laimosemion (Riv.) xiphidius Crique Boulanger	Juergen Kasprick	Y
84		33	Laimosemion (Riv.) xiphidius Crique Boulanger	Juergen Kasprick	Y



Class 3 South American Annuals

Points	Place	Entry#	Description	Entered by	Sold
86	P.C.	1	Mo. sp. Sp. Palon II BPB 2015-20 Chiquios Pro	Jack Heller	Y
82		2	Rac. pyropunctata Bachequero	Allan Semeit	Y
85		3	Ausf. limnaeus Quisiro	Tyrone Genade	Y
89	3	4	Rac MONTERIA CABO FRIO	Ron Harlan	Y
81		5	Pter. longipinnis BOL HV 2015-05 Laguna Suar	Jim Kostich	Y
79		6	Simp. santanae	Jim Kostich	Y
80		7	Rac, sp. Monteria	Jim Kostich	Y
81		8	Nem. (Simp.) whitei Cabo Frio	Jim Kostich	Y
76		9	Ausl. nigripinnis marcos paz	Jim Kostich	Y
85		10	Ophthalmolebias (Simp.) constanciae barra de S	Jim Kostich	Y
90	2	11	Simp. boitonei	Darlene Weisman	N
75		12	Simp. boitonei	Darlene Weisman	Y
75		13	Simp. boitonei	Darlene Weisman	Y
78		14	Pter. longipinnis	Scott Davis	N
83		15	Aphyl. rubrocaudatus Saboloyo	Tom Kean	Y
86		16	Mara. splendida	Bryon Thornton	Y
92	1	17	Hypsolebias (Simp.) flammeus	Greg Niedzielski	Y

**Class 4 Nothobranchius**

Points	Place	Entry#	Description	Entered by	Sold
77		1	N. furzeri MZCS 121	Tyrone Genade	Y
79		2	N. furzeri MZCS 121	Tyrone Genade	Y
75		3	N. guentheri ZAN 2014-2	Tyrone Genade	Y
75		4	N. guentheri ZAN 2014-2	Tyrone Genade	Y
75		5	N. guentheri ZAN 2014-2	Tyrone Genade	Y
75		6	N. kadleci Gorongosa MZCS -91	Tyrone Genade	Y
77		7	N. kadleci Gorongosa MZCS -91	Tyrone Genade	Y
75		8	N. korthausae Mafia Island TAN 02-5	Tyrone Genade	Y
75		9	N. korthausae Mafia Island	Tyrone Genade	Y
75		10	pron seymouri GHALOZ 03-16"6km N from Kas	Tyrone Genade	Y
75		11	pron seymouri GHALOZ 03-16"6km N from Kas	Tyrone Genade	Y
75		12	N. palmqvisti RAMSI KEN 08-23	Ron Harlan	Y
75		13	N. kafuensis Kayuni State Farm	Jim Kostich	Y
84	2	14	N. guentheri Zanzibar	Jim Kostich	Y
81	3	15	N. fuscotaeniatus Kitonga TAN 97-57	Jim Kostich	Y
85	1	16	N. jubbi	Jim Kostich	Y
75		17	N. kilomberoensis Ifakara TAN 54-4	Jim Kostich	Y
80		18	N. wattersi HOBA MZMW 09-6	Paul Christ	Y
75		19	N. chochamandai Kosomeno	Tom Kean	Y
76		20	N. hassoni Bukeya DRCH 2008-10	Tom Kean	Y
76		21	N. polli Kyembe DRCH 2008-2	Tom Kean	Y
76		22	N. palmqvisti	Bryon Thornton	Y
78		23	N. rubripinnis Kiziko TAN RB 05-47	Keith Cook	Y
75		24	N. korthausae Mafia Island red	Keith Cook	Y

**Class 5 Fundulopanchax except gardneri**

Points	Place	Entry#	Description	Entered by	Sold
80		1	Fp. oeseri	Gary Greenwood	Y
79		3	Fp. mirabilis traudeae Tinto	James Gasior	Y
83		4	Fp. oeseri	James Gasior	Y
78		5	Fp. gresensi Takwai	James Gasior	Y
75		6	Fp. puerzli LSP	Lee Summers	Y
79		7	Fp. filamentosus Majidun NG MM 14	Jim Kostich	Y
75		8	Fp. walkeri kutunsé GH2	Jim Kostich	Y
79		9	Fp. amieti C 89-31	Jim Kostich	Y
75		11	Fp. oeseri bioko Island A/S	Gary Palubicki	Y
75		12	Fp. oeseri bioko Island A/S	Gary Palubicki	Y
75		13	Fp. oeseri bioko Island A/S	Gary Palubicki	Y
75		16	Fp. oeseri	Frank Carriglitto	N
85		17	Fp. ndianus	Tom Dean	N
87	2	18	Fp. sjoestedti	Tom Dean	N
84		19	Fp. sjoestedti	Tom Dean	N
86	3	20	Fp. sjoestedti	Tom Dean	N
81		21	Fp. sjoestedti	Tom Dean	Y
84		22	Fp. amieti C 89-31	Tom Dean	Y
84		23	Fp. walkeri orange	Tom Dean	Y
82		24	Fp. sjoestedti aquarium strain	Bryon Thornton	Y
82		25	Fp. sjoestedti Dwarf Red	Bryon Thornton	Y
88	1	26	Fp. sjoestedti aquarium strain (P.D.)	Bryon Thornton	Y
81		27	Fp. cinnamomeus Supé GPE 90-16	Keith Cook	Y

**Class 6 Fundulopanchax gardneri**

<b>Points</b>	<b>Place</b>	<b>Entry#</b>	<b>Description</b>	<b>Entered by</b>	<b>Sold</b>
83	3	1	Fp. gardneri gardneri Lafia	Gary Greenwood	Y
72		2	Fp. gardneri nigerianus P-82	Gary Greenwood	Y
80		3	Fp. gardneri nigerianus Rayfield	Gary Greenwood	Y
75		4	Fp. gardneri Dumbo ADL 13-16	Rick Ivik	N
75		5	Fp. gardneri nigerianus Makurdi	Ken Pace	Y
76		6	Fp. gardneri uke 2008	Jim Kostich	Y
76		7	Fp. gardneri Gold A/S	Gary Palubicki	Y
77		8	Fp. gardneri Gold A/S	Gary Palubicki	Y
76		9	Fp. gardneri Gold A/S	Gary Palubicki	Y
82		10	Fp. gardneri nigerianus Innidere	Jim Liska	Y
81		11	Fp. gardneri nigerianus Innidere	Jim Liska	Y
77		12	Fp. gardneri gardneri Lafia	Gary Guralski	Y
74		13	Fp. gardneri nigerianus Innidere	Scott Davis	N
84	2	14	Fp. gardneri Gold	Tom Dean	Y
77		15	Fp. gardneri nigerianus Innidere	Bryon Thornton	Y
87	1	16	Fp. gardneri nigerianus Makurdi	David Hemmerlein	N
79		18	Fp. gardneri nigerianus Lokoja	Keith Cook	Y

Class 7 Mesoaphyosemion - except "calliurium types"

Points	Place	Entry#	Description	Entered by	Sold
81		1	A. ogoense pyrophore Komono Yellow	Gary Greenwood	Y
83		2	A. caudofasciatum RPC 91-11 Ogowa	Gary Greenwood	Y
83		3	A. aureum GEB 94-9	Gary Greenwood	Y
83		4	A. halleri JVC 13-10 Mckeman	Gary Greenwood	Y
82		5	A. joergenscheeli GJS 00-13	Gary Greenwood	Y
85		6	A. ogoense pyrophore GHP 80-24	Gary Greenwood	Y
90	1	BOS 7	A. gab. gabunense	Rick Ivik	N
79		8	A. exigoidesum BBW 00-3	Jack Heller	Y
84		9	A. exigoidesum BBW 00-3	Jack Heller	Y
87		10	A. amoenum nyemtonye JVC 13-19	John Metzger	Y
79		11	A. cameronense cameronense Yen BDBG 04-0	John Metzger	Y
83		12	A. ogoense ogoense FCO 2011-10	John Metzger	Y
88	3	13	A. species pyrophore Makoumi FCO 13-13	John Metzger	Y
75		14	A. cameronense cameronense Est-Ebolowa AB	John Metzger	Y
83		15	A. etsamense GEM 05-03	John Metzger	Y
80		17	A. ogoense ogoense GHP 80-24	James Gasior	Y
81		18	A. gab. gabunense CBC 93-3	James Gasior	Y
75		19	A. wachtersi wachtersi FCO 2011-4	James Gasior	Y
85		20	A. cameronense cameronense South Makokou	James Gasior	Y
81		21	A. jeanhuberi COFE 2010-7	Mark Hlavaty	Y
80		22	A. escherichi FCCO 2-13-14 Dolisie	Mark Hlavaty	Y
81		23	A. ogoense ogoense Komono yellow	Darlene Weisman	N
81		24	A. ogoense ogoense GHP 80-24	Jim Liska	Y
82		25	A. ogoense ogoense GHP 80-24	Jim Liska	Y
84		26	A. striatum Lambaréné	Gary Sutcliffe	Y
85		27	A. joergenscheeli GJS 00-13	Frank Carriglito	N
89	2	28	A. joergenscheeli GJS 00-13	Frank Carriglito	N
83		29	A. gab. gabunense GPG 93/30	Juergen Kasprick	Y
82		30	A. gab. gabunense GPG 93/30	Juergen Kasprick	Y
85		31	A. louessense Malinga	Keith Cook	Y

**Class 8 Mesoaphyosemion - "calliurium types"**

Points	Place	Entry#	Description	Entered by	Sold
84		1	A. australe Cap Estérias BSWG 97-24	Gary Greenwood	Y
80		2	A. celiae winifredae Ebonji	Gary Greenwood	Y
86		3	A. campomaanense ABK_07-181	Gary Greenwood	Y
75		4	A. australe Gold	Jack Heller	Y
77		5	A. australe Gold	Jack Heller	Y
70		6	A. lividum AP 13-528	John Metzger	Y
72		7	A. australe Gold	John Metzger	Y
72		8	A. australe Gold	James Gasior	Y
85		9	A. campomaanense ABK_07-181	James Gasior	Y
91	3	10	A. australe Cap Estérias	Dave Ryan	Y
83		11	A. australe Orange	Ron Harlan	Y
86		12	A. australe Orange	Jim Kostich	Y
96	1	13	A. celiae winifredae Ebonji	Mark Hlavaty	Y
93	2	14	A. australe Gold	Mark Hlavaty	Y
90		15	A. australe Gold	Jim Liska	Y
86		16	A. australe Gold	Jim Liska	Y
86		17	A. australe Cap Estérias BSWG 97-24	Gary Sutcliffe	Y
82		18	A. australe Gold	Paul Christ	N
84		19	A. campomaanense ABK_07-181	Frank Carriglito	N
71		20	A. australe Cap Estérias BSWG 97-24	Frank Carriglito	N
80		22	A. australe Chocolate	Greg Niedzielski	N
87		23	A. campomaanense ABK_07-181	Frank Carriglito	N
80		24	A. calliurum Majidun River NMM 2014-9	Keith Cook	Y

**Class 9 Chromaphyosemion**

Points	Place	Entry#	Description	Entered by	Sold
77		1	A. bitaeniatum Ijebu-Odé	Gary Greenwood	Y
80		2	A. riggenbachi ndokama	Gary Greenwood	Y
79		3	A. bivittatum Splendopleure Tiko	Gary Greenwood	Y
75		4	A. bivittatum Fungé	Gary Greenwood	Y
92	3	5	A. vulcanum Mbongé [TRIO]	John Metzger	Y
93	2	6	A. splendopleure Ombe River System	James Gasior	Y
87		7	A. splendopleure Ekondo Titi	James Gasior	Y
75		8	A. bivittatum Fungé	Ron Harlan	Y
95	1 RESBOS	9	A. lugens Abok ADGP 11-11	Jim Kostich	Y
86		10	A. vulcanum Chutes d'Ekomo [HML 99-1]	Mark Hlavaty	Y
86		11	A. bitaeniatum Ijebu-Odé	Mark Hlavaty	Y
90		12	A. riggenbachi ndokama [PK-15]	Mark Hlavaty	Y
87		13	A. bitaeniatum Lagos red	David Hemmerlein	N
90		14	A. loennbergii Kopongo	Keith Cook	N

**Class 10 Callopanchax, Archiaphyosemion & Scriptaphyosemion**

Points	Place	Entry#	Description	Entered by	Sold
89		1	Script. liberiense Calabarica	Gary Greenwood	Y
94		2	Script. etzeli Yek Bir	Gary Greenwood	Y
98	2	3	Script. schmitti Juarzon	Gary Greenwood	Y
88		4	Script. guignardi Sougueta	Gary Greenwood	Y
88		5	Script. etzeli Lungi LOL 99-10	Gary Greenwood	Y
88		6	Script. Banforense Banfora	Gary Greenwood	Y
89		9	Script. etzeli LOL 99-10	Jack Heller	Y
90		10	Script. etzeli LOL 99-10	Jack Heller	Y
96	3	11	Script. schmitti Juarzon	John Metzger	Y
85		12	Script. guignardi Mamou	Allan Semeit	Y
99	1	13	Script. guignardi Mamou	Allan Semeit	Y
91		14	Script. guignardi Sougueta	Mark Hlavaty	Y
86		17	Script. guignardi Mamou	Gary Palubicki	Y
95		18	Script. schmitti Juarzon	Darlene Weisman	N
85		19	Script. guignardi Banfora	Gary Guralski	Y

**Class 11 Aphyosemion - Diapteron**

Points	Place	Entry#	Description	Entered by	Sold
79		2	A. cyanostictum Sam GBN 88-29	Gary Greenwood	Y
71		3	A. georgiae GBBS 99-19	Gary Greenwood	Y
77		4	A. georgiae GWW 86-2	Gary Greenwood	Y
84	2	5	A. fulgens LEC 93-7	Gary Greenwood	Y
79		6	A. fulgens GWW 86-4	Gary Greenwood	Y
74		7	A. georgiae GAB 90-18	Gary Greenwood	Y
75		8	A. georgiae GWW 86-2	Gary Greenwood	Y
92	1	9	A. fulgens LEC 93-7 [TRIO]	John Metzger	Y
72		10	A. abacinum	Mark Hlavaty	Y
82	3	11	A. georgiae GWW 86-2	Tom Kean	Y
75		12	A. georgiae GBBS 99-19	Tom Kean	Y

**Class 12 Aphyosemion - Kathetys**

Points	Place	Entry#	Description	Entered by	Sold
89		1	A. elberti Mbet BLLMC 05-8	Gary Greenwood	Y
84		2	A. dargei Mbam	Gary Greenwood	Y
80		3	A. elberti Matapit	Gary Greenwood	Y
0		4	A. exiguum Moyenam ADK 10-305	Gary Greenwood	N
90	3	5	A. elberti Ndokayo JVC 08	James Gasior	Y
92	1	6	A. elberti Foumban	James Gasior	Y
85		7	A. elberti Bafolé	James Gasior	Y
87		8	A. elberti Ntui	James Gasior	Y
83		9	A. dargei Mbam	James Gasior	Y
86		12	A. elberti Matapit	Tom Dean	N
83		13	A. elberti Ndokayo	Tom Dean	N
91	2	14	A. elberti Bafoussam	Tom Dean	Y
75		15	A. elberti Mbet BLLMC 05-8	Tom Dean	Y

**Class 13 All Other Aphyosemion**

Points	Place	Entry#	Description	Entered by	Sold
77		1	A. rectogoense PEG 95-16	Gary Greenwood	Y
73		2	A. coeleste Mounana	Gary Greenwood	Y
75		3	A. musafirii AVD 07-1	Gary Greenwood	Y
86	2	4	A. labarrei Kingembe Inkisi River Congo PIVD 2	Gary Greenwood	Y
82		5	A. ocellatum Sika Sika GJS 00-5	Gary Greenwood	Y
82		6	A. ocellatum nzenzele	Gary Greenwood	Y
78		7	A. coeleste Titi RPC 5	John Metzger	Y
85	3	8	A. raddai Modé	James Gasior	Y
90	1	9	A. cognatum Lake Fwa	James Gasior	Y
81		10	A. congicum Takundi Z 82-17	James Gasior	Y
83		11	A. species Cofe 10-7	James Gasior	Y
83		12	A. labarrei Nenqua AVD 2011	Mark Hlavaty	Y
82		13	A. species Cofe 2010-23	Mark Hlavaty	Y
80		14	A. christyi CI 2015	Mark Hlavaty	Y
81		15	A. cognatum CI 2011	Mark Hlavaty	Y
84		16	A. musafirii AVD 07-1	Mark Hlavaty	Y
80		17	A. sp Massemb-Loubaki RC 2016-23	Mark Hlavaty	Y
80		18	A. labarrei Kingembe Inkisi River Congo AVD 2	Gary Palubicki	Y
77		19	A. cognatum Lake Fwa	Gary Palubicki	Y
0		21	A. species Ntoba FCCO 2013-15	Greg Niedzielski	Y
79		22	A. raddai Matomb Koktom	Greg Niedzielski	Y
79		23	A. tirbaki BSWG 97-8	Keith Cook	N
80		24	A. species Ntoba FCCO 13-15	James Gasior	Y
80		25	A. sp Ntoba FCCO 2013-15	Mark Hlavaty	Y



**Class 14 Epiplatys**

Points	Place	Entry#	Description	Entered by	Sold
92	2	1	Ps. (Ep.) annulatus Aquarium Strain	Gary Greenwood	Y
95	1	2	Ep. fasciolatus tototaensis	Rick Ivik	N
77		3	Ep. roloffii	Rick Ivik	N
91	3	4	Ep. olbrechtsi olbrechtsi Cresto River [G_06]	Rick Ivik	N
79		5	Ep. lamottei	James Gasior	Y
90		6	Ep. chaperi chaperi Angona	Rick Ivik	N
76		8	Ep. singa Kinsuka	Gary Palubicki	Y
76		9	Ep. singa Kinsuka	Gary Palubicki	Y
81		10	Ep. singa Kinsuka	Gary Palubicki	Y
75		12	Ep. lamottei koulé GRC 90-178	Gary Palubicki	Y
75		13	Ep. lamottei koulé GRC 90-178	Gary Palubicki	Y
78		14	Ep. dageti dageti	Scott Davis	N
81		15	Ps. (Ep.) annulatus	Juergen Kasprick	Y
82		16	Ps. (Ep.) annulatus	Juergen Kasprick	Y
86		17	Ep. species Sindara GBH 01-24	Keith Cook	Y

**Class 15 All Other Varieties - Old World**

Points	Place	Entry#	Description	Entered by	Sold
94	1	1	Apl. panchax panchax (Blue Panchax)	Gary Greenwood	Y
91		2	Proc. similis Kumba	Rick Ivik	Y
82		3	Apl. lineatus Red	Rick Ivik	Y
89		4	Aph. dispar dispar Jebel Akbar Oman Jordan	James Gasior	Y
89		6	Aph. mento erehi konya Turkey	Jim Kostich	Y
88		7	Pachy. playfairii	Gary Sutcliffe	Y
91		8	Apl. lineatus	Scott Davis	N
88		9	Aph. anatoliae anatoliae	David Hemmerlein	N
92	3	10	Apl. lineatus Red	David Hemmerlein	N
81		11	Pachy. arnoulti	Scott Davis	N
93	2	12	Pachy. playfairii	Keith Cook	Y

## **MKKA Show Results**

MKKA's show occurred on 6-7 October. Results are posted on their webpage: <http://mkka.net/>



Class number	Entry number	Genus	Species	Exhibitor name	Auctioned	Score	Place	BEST OF SHOW
4	3	Fundulopanchax	gardneri Innidere - Male Only	Carlos Pereyra	Y			
4	4	Fundulopanchax	gardneri Innidere Red	Lou Veiga	Y	80		
4	5	Fundulopanchax	gardneri nigerianus Rayfield	Gary Greenwood	Y	82		
4	6	Fundulopanchax	gardneri Misaje	Conrad Menclawicz	Y	75		
4	7	Fundulopanchax	gardneri	Sharky	Y	75		
4	9	Fundulopanchax	gardneri nigerianus Innidere	Jack Heller	Y	84	2nd	
4	10	Fundulopanchax	gardneri nigerianus Innidere	Jack Heller	Y	75		
4	11	Fundulopanchax	gardneri Misaje	Cadence Chicos	Y	75		
4	12	Fundulopanchax	gardneri Innidere	Scott Lobbestael	Y	83	3rd	
4	14	Fundulopanchax	gardneri N'sukka	Bruce Cameron	N	82		
4	17	Fundulopanchax	gardneri Gold	Bruce Cameron	N	81		
4	18	Fundulopanchax	gardneri Makurdi	David Hemmerlein	N	86	1st	
4	19	Fundulopanchax	gardneri	Sharky	Y	75		
6	1	Fundulopanchax	amieti C 89/31 Edea-Yaound km 18	Jim Kostich	Y	85		
6	2	Fundulopanchax	amieti Edea	Andy Jameson	Y	83		
6	3	Fundulopanchax	amieti C 89/31	Tom Dean	N	95	1st	
6	4	Fundulopanchax	spoorenbergi	Gary Haas	Y	88	3rd	
6	5	Fundulopanchax	amieti Edea	Andrew Bogott	Y	84		
6	6	Fundulopanchax	sjoestedti Niger Delta	Andrew Bogott	Y			
6	1	Fundulopanchax	walkeri Kutunse	Allan Semeit	Y	82		
6	2	Fundulopanchax	walkeri Kutunse GH 2	Jim Kostich	Y	89	2nd	
7	1	Aphyosemion	volcanum Mbonge	John Metzger	Y	85	3rd	
7	2	Aphyosemion	volcanum Mbonge	John Metzger	N	87	2nd	
7	3	Aphyosemion	splendopleure Ombe River - trio	Jim Gasior	Y	80		
7	4	Aphyosemion	bivitattum splendopleure Tiko	Gary Greenwood	Y	77		
7	5	Aphyosemion	bivitattum Funge	Bill Logue	Y	80		
7	6	Aphyosemion	volcanum Ekondo Titi CB3SR 07/21	Conrad Menclawicz	Y	75		
7	7	Aphyosemion	bitaeniatum Ijebue Ode	Jen Kruckenberg	N	82		
7	8	Aphyosemion	bivitattum Funge	William Boettger	Y	80		
7	9	Aphyosemion	bivitattum Funge	William Boettger	Y	79		
7	11	Aphyosemion	poliaki	Bruce Cameron	N	78		
7	12	Aphyosemion	bitaeniatum Lagos Red	David Hemmerlein	N	89	1st	
8	1	Aphyosemion	lividium AP 2013-528	John Metzger	N	76		
8	2	Aphyosemion	australe Gold	John Metzger	Y	84	1st	
8	3	Aphyosemion	australe EBT 96/27	Jen Kruckenberg	N	75		
8	4	Aphyosemion	campomaaense ABK 07/181	Gary Greenwood	Y	81	2nd	
8	5	Aphyosemion	australe Cape Esterias BSWG 97/24	Gary Sutcliffe	Y	75		
8	7	Aphyosemion	australe Harlan's Burnt Orange	Ron Harlan	Y	75		
8	8	Aphyosemion	australe Harlan's Burnt Orange	Ron Harlan	Y	75		
8	9	Aphyosemion	australe EBT 96/27	Jen Kruckenberg	N	77		
8	10	Aphyosemion	australe Gold	Jack Heller	Y	76		
8	11	Aphyosemion	australe Gold	Jack Heller	Y	75		
8	12	Aphyosemion	australe Gold	Bruce Cameron	N	78		
8	13	Aphyosemion	australe Gold	Bruce Cameron	N	79		
8	14	Aphyosemion	australe Orange	Bruce Cameron	N	75		
8	15	Aphyosemion	celiae celiae	Gary Haas	Y	80	3rd	
9	1	Aphyosemion	gabunense gabunense	Rick Ivik	N	91	2nd	
9	2	Aphyosemion	etsamense GEM 2005/3	John Metzger	N	75		
9	3	Aphyosemion	etsamense GEM 2005/3	John Metzger	N	92	1st	
9	4	Aphyosemion	cameronense YEN BDBG 04/4	John Metzger	N	86		
9	5	Aphyosemion	cameronense YEN BDBG 04/4	John Metzger	Y	75		
9	6	Aphyosemion	cameronense ABDEK 12/502 EST-Ebolowa	John Metzger	N	87		
9	7	Aphyosemion	amoenum Nyemtonye JVC 2013/19	John Metzger	N	86		
9	8	Aphyosemion	ogoense ogoense FCO 2011/10	John Metzger	N	78		

Class number	Entry number	Genus	Species	Exhibitor name	Auctioned	Score	Place	BEST OF SHOW
9	9	Aphyosemion	pyrophore Makoumi FCO 13/13	John Metzger	N	80		
9	10	Aphyosemion	sp. cofe 10/20	Gary Greenwood	Y	90	3rd	
9	11	Aphyosemion	pyrophore PEG 09/8	Bill Logue	Y	79		
9	12	Aphyosemion	striatum Cape Esterias	Conrad Menclawicz	Y	75		
9	13	Aphyosemion	sp. aff. primigenium GBN 88/10	Louis Hersh	Y	75		
9	14	Aphyosemion	sp. cofe 10/20	Louis Hersh	Y	DQ		
9	16	Aphyosemion	exigoideum BWW 00/3	Jack Heller	Y	75		
9	17	Aphyosemion	exigoideum BWW 00/3	Jack Heller	Y	75		
9	18	Aphyosemion	striatum Lamberene	Scott Lobbestael	Y	75		
9	19	Aphyosemion	pyrophore Kimono Yellow	Scott Lobbestael	Y	75		
9	21	Aphyosemion	amoenum	Bruce Cameron	N	75		
10	1	Aphyosemion	coeleste Mounana	John Metzger	Y	76		
10	2	Aphyosemion	coeleste Titi RPC 5	John Metzger	N	80		
10	3	Aphyosemion	fulgens LEC 93/7	John Metzger	N	92	1st	BEST OF SHOW
10	4	Aphyosemion	sp. Ntoba FCCO 13/15	Jim Gasior	Y	78		
10	5	Aphyosemion	dargei M'Bam	Jim Gasior	Y	75		
10	6	Aphyosemion	wachtersi FCG - trio	Jim Gasior	Y	78		
10	7	Aphyosemion	elberti N'Dop	John Metzger	N	78		
10	8	aphyosemion	ocellatum Sika Sika GJS 00/5	John Metzger	Y	75		
10	9	Aphyosemion	aureum GEB 94/9	Gary Greenwood	Y	80		
10	10	Aphyosemion	dargei M'Bam	Gary Greenwood	Y	88	3rd	
10	11	Aphyosemion	georgiae GBBS 99/19	Tom Kean	Y	80		
10	12	Aphyosemion	georgiae GWW 86/2	Tom Kean	Y	79		
10	13	Aphyosemion	cyanostictum SAM GBN 88/29	Tom Kean	Y	80		
10	14	Aphyosemion	seegersi - reverse trio	Tom Kean	N	77		
10	15	Aphyosemion	sp. Lobaye	Louis Hersh	Y	78		
10	16	Aphyosemion	schioetzi 91/1	Louis Hersh	Y	76		
10	17	Aphyosemion	punctatum Buong Bai	Jen Kruckenberg	N	75		
10	18	Aphyosemion	punctatum Buong Bai	Jen Kruckenberg	N	78		
10	19	Aphyosemion	exiguum Moyenam ADK 10/305	Jen Kruckenberg	N	79		
10	20	Aphyosemion	dargei M'Bam	Bruce Cameron	N	80		
10	22	Apyosemion	elberti Bafoussam	Tom Dean	N	78		
10	23	Apyosemion	elberti Ndokyo	Tom Dean	N	89	2nd	
10	24	Apyosemion	elberti Matapit	Tom Dean	N	79		
10	25	Aphyosemion	sp. Oyo	Bill Logue	Y	79		
11	1	Scriptaphyosemion	schmitti Juarzon	John Metzger	N	76		
11	2	Scriptaphyosemion	schmitti Juarzon	John Metzger	Y	90	2nd	
11	3	Scriptaphyosemion	schmitti Juarzon	Gary Greenwood	Y	80		
11	4	Scriptaphyosemion	guignardi Sougetta	Gary Greenwood	Y	92	1st	
11	5	Scriptaphyosemion	etzeli Lungi Lol SL 99/10	Gary Greenwood	Y	75		
11	7	Scriptaphyosemion	cauveti Kindia	Gabe Skidmore	Y	75		
11	8	Scriptaphyosemion	etzeli Lungi Lol SL 99/10	Gabe Skidmore	Y	75		
11	9	Scriptaphyosemion	etzeli Lungi Lol SL 99/10	Gabe Skidmore	Y	75		
11	10	Scriptaphyosemion	guignardi Mamou	Gabe Skidmore	Y	75		
11	12	Scriptaphyosemion	etzeli	Jack Heller	Y	79		
11	13	Scriptaphyosemion	etzeli	Jack Heller	Y	84		
11	14	Scriptaphyosemion	chaytori	Andy Jameson	Y	82		
11	15	Nimbapanchax	petersi	Gary Haas	Y	75		
11	16	Scriptaphyosemion	schmitti Juarzon	Darlene Weisman	N	76		
11	17	Scriptaphyosemion	guignardi	Andy Jameson	Y	87	3rd	
12	1	Epiplatys	fasciolatus tototaensis	Rick Ivik	N	96	1st	
12	2	Epiplatys	roloffi	Rick Ivik	N	86		
12	3	Epiplatys	olbrechtsi Cestos River GO-6	Rick Ivik	N	90	3rd	
12	4	Epiplatys	sexfasciatus	Andrew Bogott	Y	85		
12	5	Epiplatys	dageti monroviae	Bill Logue	Y	78		

Class number	Entry number	Genus	Species	Exhibitor name	Auctioned	Score	Place	BEST OF SHOW
12	6	Epiplatys	olbrechtsi Cestos River	Bill Logue	Y	75		
12	7	Epiplatys	togolensis	Jen Kruckenberg	N	79		
12	8	Epiplatys	fasciolatus CI 08	Allan Semeit	Y	83		
12	9	Epiplatys	lamottei Koule	Ron Harlan	Y	95	2nd	
12	11	Epiplatys	sexfasciatus	Jen Kruckenberg	N	86		
12	12	Pseudepiplatys	annulatus monroviae	Bruce Cameron	N	78		
12	13	Pseudepiplatys	annulatus monroviae	Bruce Cameron	N	DQ		
13	1	Aplocheilus	lineatus Red	Rick Ivik	N	93	2nd	
13	5	Pachypanchax	playfairii	Sarah Walker	Y	82		
13	6	Aphanius	mento Ereli Konya, Turkey	Jim Kostich	Y	88		
13	7	Pachypanchax	sakaramyi	Bruce Cameron	N	85		
13	8	Pachypanchax	playfairii	Bruce Cameron	N	84		
13	9	Pachypanchax	playfairii	Bruce Cameron	N	78		
13	10	Aphanius	mento	Bruce Cameron	N	89	3rd	
13	11	Aphanius	anatoliae	David Hemmerlein	N	94	1st	

# Features

BNL and JAKA provide a forum for you to share your experience and experiences with the rest of us. Pick up a pencil and write an article, or jot down some ideas and we'll help flesh them out.

[bnl@aka.org](mailto:bnl@aka.org)  
[cmte\\_jaka@aka.org](mailto:cmte_jaka@aka.org)

## Photographer of the Month

This is a feature of BNL, displaying several photographs by one of AKA's many talented photographers, in a tiny one-person show on the pages of BNL. We had no volunteers this month to grace our pages with their art, so the feature will take an involuntary hiatus this edition. I hope that it will return next edition.

If you want to see your photos (or other killi-related visual art) featured in this way, contact me at [compiler@aka.org](mailto:compiler@aka.org). This has been a popular feature, and I NEED your photos to keep it going.

All photos on the pages of this publication remain the property of the photographer, all rights reserved, and are displayed with his or her permission.

# Killie Korner: Gadgets for Fry Hatching and Raising

By Bob Meyer

Unless noted otherwise, all pictures are by the author

In order to understand this article, I suggest that you watch a couple of videos listed below. You can click on the links in [magenta](#) and they will take you to facebook or to YouTube and you can watch the videos. Then this article will make a lot more sense!

In the killifish hobby, with few exceptions, the following rule of thumb usually works. Out of 12 eggs, you can expect to hatch 6 fry and out of those fry, you can expect to get one good pair. Many breeders can do better than this. Many beginners wish they could do this well! The major problems seem to be with eggs fungus and not hatching. Or fry dying within a week of hatching (usually a bacterial or water chemistry problem). So, here is a short article on three gadgets to increase your chances of hatching eggs and raising fry.

Normally, non-annual (plant spawning killies like *Aphyosemion*) eggs are collected, put into a bowl of water and the fry hatch out about three weeks later. Sometimes a few eggs turn white from fungus. If the eggs are touching each other, the fungus can easily spread from one egg to another. Richard (Dick) Van Hyfte used to make an assortment of fish room gadgets. One of these was a killifish hatcher. I call it the **Van Hyfte killifish hatcher**. It consisted of a tub, with a piece of egg crate suspended half way down the tub. Egg crate is the white plastic that you often see on ceiling lighting. A sponge filter is put into the tub. An airline is attached to the sponge filter. Next, 1” to 3” diameter PVC pipes are cut to heights of 1 to 2 inches. Mesh screen is glued to the bottom of these PVC pipe cuts to make “egg cups” with permeable bottoms, allowing water but not eggs to flow in and out of the cup. < Screen must have mesh smaller than the eggs. Look for nylon screen with 25 to 50 mesh, which corresponds to a mesh opening of 300 to 600 um. Window screen is probably too large, even 20-mesh no-see-um screen has openings of 800 um or thereabouts. Mesh openings too large let eggs and fry escape, openings too small restrict water movement.> So, the egg crate is suspended half way up the tub either by using a plastic hanger to suspend it from the side or by putting supports under the egg crate. The egg cups are put on top of the egg crate, screen side down. The killifish eggs are put into these PVC pipe egg cups. Because of the use of the sponge filter, there is less of a chance of a bacterial infection. Because the screened mesh separates the eggs a little bit, and because of the water movement, there is less chance of fungus spreading from one egg to another. The fry can hatch and live in these little PVC cups for 3-4 days without food. They seem to live on the infusoria in the water. If you are careful, you can even feed a small amount of live brine shrimp to the fry in these cups. This method allows you to have several cups each with different types of eggs all in one hatching container. And the eggs are more likely to hatch because of the clean, moving water.



Photo by Lee Van Hyfte

A recent variation of this was posted on facebook by bnl editor Gary Haas. He calls it the **Glorp engine**. This is similar to Dick Van Hyfte’s hatching tub, except that a smaller plastic shoe box is used. And that the bubbles from the sponge filter are put directly beneath one of the PVC cups. This causes the bubbles to move the pvc cup around a little and rock the eggs. (Same principle as a Giant Clam aerator ornament). Basically keeping them moving more than the Van Hyfte design. See a YouTube video of the Glorp engine at [https://www.youtube.com/watch?v=\\_phMQsEGSDI](https://www.youtube.com/watch?v=_phMQsEGSDI)

**Angels Plus rearing jar.** I just started using this method last week and so far, I like the results. It would



really help if you watched this video:

[https://www.youtube.com/watch?v=p\\_nnF-bcE7c](https://www.youtube.com/watch?v=p_nnF-bcE7c)

So, what we have here is a one gallon jar. With a large piece of sponge filter suspended a half inch off of the bottom. Another sponge filter fits in at the top of the jar acting as a stopper. A lift tube goes through the stopper into the bottom sponge filter. This gives air and water movement. Fry are put on top of the bottom sponge filter. They are confined in the jar by means of the top sponge filter. The entire jar (or jars) are put into an aquarium. The lift tube causes water movement. Because the jar is in a larger aquarium, water chemistry stays more constant. No more drastic swings in pH and hardness. Because the fry are confined to a small area, you can keep food in front of them easier. I have found that this set up also works in a green water aquarium. Here is a picture of the gallon jar.



Here is another hotlink to a Youtube video of the Angel's plus jar:

<https://www.youtube.com/watch?v=Y2-QJAE6gL8>

Just some final thoughts. The AKA tries to not endorse specific items. The Angels plus jar videos are put out as an educational video and while Angels Plus does sell the set-ups, they also encourage you to build them on your own. Lee Van Hyfte says that his dads fry raising tub is easy to make and has given permission to discuss this gadget. Gary Haas' glorp engine was posted for all to see and discuss on facebook.

I encourage you to continue 'tinkering' in the fish room. Try to find ways to raise up more quality fry. Hopefully one of these gadgets will help you do that!

[https://www.youtube.com/watch?v=\\_phMQsEGSDI](https://www.youtube.com/watch?v=_phMQsEGSDI)

Wouldn't this empty space look better with a photo of a killifish? Like maybe one of YOUR photos? Contact me at [bnl@aka.org](mailto:bnl@aka.org) about becoming Photographer of the Month.

# Reports

# AKA Committee Reports

## AKA Committees

Affiliate Clubs:	Mike Jacobs	<a href="mailto:mjacobs2@tampabay.rr.com">mjacobs2@tampabay.rr.com</a>
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Internet Committee:	Jim Langan	<a href="mailto:webmaster@aka.org">webmaster@aka.org</a>
JAKA Editor:	pending	
Judging:	Art Leuterman	<a href="mailto:jaka@aka.org">jaka@aka.org</a>
KAP Chairman	Anton Mitchell	<a href="mailto:leutajjl@swbell.net">leutajjl@swbell.net</a>
KEY Chairman:	Keith Cook	<a href="mailto:amitch75@gmail.com">amitch75@gmail.com</a>
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Send F&E listings to the Fish & Egg Listing Chairperson by the 25th of the month, KEY show announcements to the KEY Chairperson by the 25th of the month. Send letters or business announcements for publication to the BNL Compiler by midnight the last day of the month prior to publication.

The Members Letters Section is an opportunity to voice concerns, propose agendas, solicit participation or question authority in a democratic forum. Letters for this section should be marked as "AKA BNL Letter" and sent to the BNL Compiler. Please note that unconfirmed letters cannot be considered, but names will be withheld upon request. Letters may be edited due to space considerations.

Access the AKA on-line: <http://aka.org> . Many of the AKA's goods and services can now be ordered on-line from the website at [www.aka.org](http://www.aka.org) .

**Send all BNL submissions to:**  
Gary Haas [bnl@aka.org](mailto:bnl@aka.org)

## Secretary's Report

This month the board has had discussions on replacing the previous editors for JAKA and on possible changes to the KAP program. Also, with the results of the election having come in, the board is now internally making nominations for officers.

This month's voting proposal is regarding accepting advertising in the BNL and the fee schedule that will accompany it. The board continues to seek alternative income streams to keep annual dues low.

Proposal 2018-20: Accept the advertising criteria and fee structure as put forth by Lee Summers (Publicity and Advertising Chairman for the AKA).

7 In favor      0 Against      0 Abstain

Respectfully submitted,

Keith Cook  
Secretary

# Membership Report November 2018

by Bob Meyer

BOT (Board of Trustee) email addresses are listed in the bnl. If you feel that something can be improved or if you just want to thank someone for the job that they are doing, please email them!

I encourage you to go to the aka.org site and find the membership roster. Search by state to see if there are any AKA members near you. There is also an online abbreviated free version of the beginner's guide at the AKA site.

Below are the new members for October. When you join the AKA, it is a two-step process. You have to pay to join, then you have to go to the AKA website and update your profile with your address. Without that address, we cannot send you business news letters and Journals of the American Killifish Association (bnl and JAKA). Three members this month still need to update their profiles. If you know any of the new members below that have incomplete profiles, please ask them to update his profile.

AKA membership is now about 615 members. With about 522 regular members and about 93 paid life members.

Last month, we had two excellent killifish shows. The Minnesota Killie Keepers Association (MKKA) and the Wisconsin (WAKO) clubs.

There are several good facebook killifish groups. Two of them are:

'Killifish breeding conservation maintenance' and 'American Killifish Association'.

New idea! A member told me that he made a deal with his local pet shop. He brought in several pairs of killies to the shop. He made a deal with the shop owner that if someone joined the AKA and could prove to the shop owner that they had joined the AKA that day, that the pair of killies would be free. We need more ideas like this to attract new members!

And an old idea.... The AKA has a Digital Presentation committee. Contact them at [aka\\_digital@aka.org](mailto:aka_digital@aka.org). Note, there is an underscore \_ between aka and digital. That committee will set you up with a very well done Power Point presentation that can be shown to clubs or groups. If you show this to a non affiliate club (like a general aquarium society), the committee will also include an AKA membership that can be raffled or auctioned off. These presentations are very, very good!

A new JAKA was sent out two months ago. IT HAS BEEN BROUGHT TO MY ATTENTION THAT THE EDITORIAL STAFF IS RUNNING LOW ON ARTICLES AND IF YOU HAVE AN IDEA FOR AN ARTICLE, PLEASE CONTACT ME [membership@aka.org](mailto:membership@aka.org), OR GARY HAAS ([bnl@aka.org](mailto:bnl@aka.org)) OR ANY OF THE BOT MEMBERS. THE AKA IS ALSO LOOKING FOR PEOPLE INTERESTED IN SUBMITTING PHOTOS FOR ARTICLES AND TO HELP EDIT THE JOURNAL OF THE AKA.

If any of the following new members are near you, please look up their information in the AKA roster (at [aka.org](http://aka.org)). Then send them a welcome email!

Jocelyn Adelman Kramer, North Caldwell, NJ  
Daniel Anggrianto, Philadelphia, PA  
Andrew Bogott, Minneapolis, MN  
Clayton Copelin, Mishawaka, IN  
Scott Fellman, Woodland Hills, CA  
Justin Woody, Colorado Springs, CO

Joshua Moehle, , \*\*\*\*\* Please click on profile and update your mailing address  
Dennis Schulz, , \*\*\*\*\* Please click on profile and update your mailing address

Eric Maxwell \*\*\*\*\* Please click on profile and update your mailing address



## Current KEY Standings

We are now a good chunk of the way through the 2018/2019 show season. I have compiled results through the Minnesota show. I will be uploading WAKO results soon. We have some new names in the standings. Congratulations to Gary Haas who has surged into third place in a tight field! After taking a break for a few months, we will pick up again with a show in Indiana followed by a show in Michigan. Current leaders are:

1. John Metzger	128 pts
2. Art Leuterman	114 pts
3. Gary Haas	112 pts
4. Rick Ivik	97 pts
5. John Buzzetti	71 pts
6. Anton Mitchell	61 pts
7 Tom Kean	57 pts
8. Keith Cook	47 pts
9. David Hemmerlein	46 pts
10. Jack Heller	44 pts

Complete results will be available on the AKA website as we go through the season. Check them out! Support your fellow killie keepers by supporting their shows. For many fellow keepers, these regional shows are their only opportunity to see these beautiful fish in person.

Respectfully submitted,  
Keith Cook  
KEY Chair

## Internet Committee Report for November

Good Morning Everyone,

Since the response form the membership via Bill Gallagher was so helpful with the missing past BNL's and annual results I thought I would make a plea once more for some missing pictures. I am seeking picture(s) of our 1998 KHY winner Charles Minnemeyer and 2001 KHY winner Jim Robinson. These pictures will be used on our website on the KHY page. If anyone has any convention pictures from these years stashed away please contact me.

I've performed some security updates this month, posted the annual election results and worked on the efficiency of our websites' page loading for faster response. Moving forward I have a laundry list of minor improvements efficiency, performance, and ease of access to incorporate into the website over the next few months. I've begun work on the 2019 Annual Convention site and more specifics will be available for the registration and site preparation in December.

I've update the forums to allow responsive emails to posts made by member's. If a member makes a post they will receive an email when replies or inquiries to their post are made. Hopefully this will make the FORUM process easier and generate more interest.

Our next big online project will be the a full version of the KMI (Killifish Master Index). I've begun collating all of the original type specification(s) genus and species identifying publications for killies around the world. Created a basic template for presentation and various nomenclature and senior hobbyists are reviewing this for moving forward. The original basis will be Ken Lazara's Edition 3 of the KMI. Revisions after will solely be based on accepted publications for those original killies misidentified and the new revised identifications. This is also being encompassed into our vast KMI gallery so the new KMI will be very dynamic with pictures, both fish and collecting, and hard links to collections and papers regarding keeping, breeding, and identification. Once a genus and species plate format is determined, work will begin on the individual genus and species plates.

More on all of these topics will come in the future, I wish everyone a Happy Thanksgiving,

Jim Langan, AKA Webmaster

# Killifish Conservation Committee Report - November, 2018

The 2018 survey is nearly completed and we plan to have a report available to the KCC members by the end of the month, and to the general AKA membership in the December BNL. The overall news is good; participation in the KCC continues to grow as do the number of species being maintained. We trust this trend will continue. We noted in the recently released George Maier Fund annual report and newsletter that there appears to be building support for research among the membership that is manifesting as a fundamental and genuine change in attitude. We also see the corollary; a growing sense of the importance of species maintenance among the membership, a sense that it is an integral part of the hobby and an accepted and universally appropriate AKA activity. Our volunteers are becoming more numerous and more generous with their time, and by that action directly validate the purpose and goals of the KCC. We believe that this trend represents the same realization among our members.

The KCC fully supports the maintenance of as many species in the hobby as possible, regardless of their conservation status, or whether they are represented by a core species. The KCC encourages breeder team formation by clubs or any group of interested members that wishes to maintain a given species. The KCC incorporates these teams in our reporting functions alongside our Core and EMS teams. Just let us know of your intent to form a team or club project to conserve a species and we will promote it in our reports.

## **Emergency Survival Program:**

Among the current core species, *Campellolebias brucei*, *Scriptaphyosemion etzeli* Yek Bir and *Simpsonichthys marginatus* are also considered to be endangered in the American hobby. There are many other species also endangered in the hobby, primarily because they are not available, difficult to propagate or not attractive enough to garner sufficient interest among the membership. Recognizing that the AKA does not have the capacity to conserve all these species in any case, the KCC concentrates on the few endangered in the hobby that can potentially be conserved.

Aside from the species noted, the *Pachypanchax* sub-group has established breeder teams for all but one *Pachypanchax* species, all of whom are vulnerable or endangered in nature. Because of this, we treat the entire group as an Emergency Survival project.

New candidates for the EMS program will emerge during the coming year as their status becomes better known and where stocks become available to the committee.

## **New Breeder teams formed:**

We have completed our assessments for the coming year and have added additional breeder teams that now have a sufficient number of volunteers to support them.

## **Species Maintenance added in 2018**

*Epiplatys fasciolatus tototaensis*: added in October.

*Scriptaphyosemion etzeli* LOL 99/10.

*Fundulopanchax walkeri* GH/2 Katunse (Restarted)

*Callopanchax monroviae* Paynesville

*Scriptaphyosemion etzeli* LOL 99-10: (Note 1)

Note 1: The LOL 99-10 population of *Scriptaphyosemion etzeli* was initially designated as a replacement of the Yek Bir population that appeared to be disappearing. Additional volunteers supporting the Yek Bir population have emerged in the latest survey, moving the LOL 99-10 population to Species Maintenance. If the Yek Bir population ultimately disappears, the LOL 99-10 population will take its place as the core species, representing the *Scriptaphyosemion geryi* species group.



### **The Blue Gularis Study Group:**

This highly successful group has among its holdings nearly all the populations of Blue Gularis available. The membership continues to grow and activity among its members is brisk. This study group has its own newsletter the 2018 version of which has been issued to all members and is now available to any A.K.A. member by request. This newsletter includes the result of the 2018 survey, a data analysis regarding the growth of Blue Gularis in the hobby as well as articles and discussions of interest. Email Charlie for a PDF copy.

### **Core Species added in 2018:**

*Callopanchax occidentalis* Teme Yellah DRCH SL89

### **Species maintenance candidates still in evaluation for 2019:**

*Callopanchax occidentalis* Malai SL 03/11

*Epiplatys roloffi* Salayea

### **Core Species candidates still in evaluation for 2019:**

*Archiaphyosemion guineense*

*Rachovia* aff. *brevis* Plato COL 2009-09

*Renova oscari*: Note that we need just one or two more volunteers to initiate this group.

Any member of the *Aphyosemion* chromaphyosemion subgenus

Any member of the *Aphyosemion kathetys* subgenus

*Aplocheilus dayi* or *Aplocheilus lineatus* (no sports)

Any member of each *Nothobranchius* subgenus; adiniops, aphyobranchius, nothobranchius and zoonothobranchius. We continue to evaluate the genus *Nothobranchius* for a suitable candidate to represent these major sub-groups. The 2018 attempts in this regard failed, but these efforts will continue until *Nothobranchius* are represented in the KCC activities.

### **Candidate species removed from consideration due to lack of support or the lack of available stocks.**

*Micromoema xiphophora*

*Pachypanchax varatraza*

Thank you volunteers, you have made the 2018 KCC a success, and will make the 2019 KCC an even greater one.

Please contact Charlie Nunziata, [epiplaty@tampabay.rr.com](mailto:epiplaty@tampabay.rr.com), if interested in any of the above initiatives or for additional information about the A.K.A. Killifish Conservation and Species Maintenance Committee.

Charlie

## Maier Fund Update, November 2018:

The annual newsletter and financial report has been issued to all Maier Fund supporters and volunteers, and is now available to any member upon request. Email Charlie for a copy. This issue features several summary reports for the grants issued to date, reviews our revenue activities and provides a full accounting of our annual financials and fund raising at our last convention. The newsletter is issued in PDF format, and we urge everyone with an interest to request a copy. We think many members will be surprised by the work of the organization and our history of success. With your help, that successful trend will continue throughout 2019.

The Board of Directors of the George Maier Fund has approved a grant budget for 2018-2019. We will accept proposals from August 15, 2018 through January 15, 2019. Proposals must directly enhance the knowledge of killifish, especially as applied to one or more of the following; reproduction, life cycle, maintenance, nutritional requirements and food sources, biology, ecology, habitat, conservation, nomenclatural and biological relationships.

Grant Number reference: GMF A-18

Application Deadline: January 15, 2019.

Grant Awards: Announced no later than February 15, 2017

Total Available Funding: Up to \$7,500

Length of Project Period: May be up to 2 years

One or more grants may be issued at the recommendation of our independent grant selection committee.

We urge the widest distribution of this notice to all eligible candidates and request that it be passed on to anyone who may be interested in offering a proposal for consideration. Grants are awarded to both professional and non-professional individuals and organizations regardless of race, ethnicity, gender, or religious affiliation. The individual applicant cannot be a legal relative of any Officer, Board member or Grant Committee member, and an organizational applicant can neither be the direct employer of, nor have a consulting relationship with any Officer, Board member or Grant Committee member.

Proposals must be in accordance with document GMF P-1 and are to be submitted via e-mail in Microsoft Word or Adobe Acrobat (PDF) format. Request copies of relevant documents and send completed proposals to Charles Nunziata at [epiplaty@tampabay.rr.com](mailto:epiplaty@tampabay.rr.com). Please refer to grant number GMF A-18 in all correspondence. We look forward to receiving interesting and substantive proposals, and to providing funds to aid in the realization of stated goals.

We continue to make progress toward our annual revenue goal for 2018, and we depend on an active November and December to achieve it. Personal donations typically peak in these last few months so we look forward to our stalwart donors who come through each year, and welcome new donors that are ready to join us in providing funds supporting killifish research.

Members can donate through the A.K.A. website, and anyone can donate directly via Paypal or check. Send direct Paypal donations to [donations@maierfund.org](mailto:donations@maierfund.org). Make checks out to "The George Maier Fund" and mail it to our Treasurer, Jack Heller, 14212 Trail Top Drive, Chesterfield, MO. 63017. The Maier Fund is a 501(c)3 public charity. All donations are tax exempt.

For further information, contact Charlie Nunziata, at [epiplaty@tampabay.rr.com](mailto:epiplaty@tampabay.rr.com).

The Fund was created to Honor the memory of George Maier Founding member of the American Killifish Association and the Chicago Killifish Association. IRS EIN: 80-0531667. Document Location Number: 17053243357000, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. GEORGE MAIER FUND: REGISTRATION #: CH33046 EXPIRATION: DATE: SEPTEMBER 3, 2018. A COPY OF THE OFFICIAL REGISTRATION AND FINANCIAL INFORMATION MAY BE OBTAINED FROM THE DIVISION OF CONSUMER SERVICES BY CALLING TOLL-FREE (800-435-7352) WITHIN THE STATE. REGISTRATION DOES NOT IMPLY ENDORSEMENT, APPROVAL, OR RECOMMENDATION BY THE STATE.



## AKA Digital Presentation Program

November 2018 Update

The goal of this program is to provide 'killi ambassadors' high-quality presentations about killifish to give at local aquarium club meetings. Presentations are available to AKA members in good standing. To obtain the talks, simply e-mail your name and e-mail address to [aka\\_digital@aka.org](mailto:aka_digital@aka.org). The coordinators will send you a link you can use to download the talk or talks, in PowerPoint format. A typical download is around 30-40 megabytes, so you'll need a little free space on your computer for the download.

When you present the talk at a local aquarium club, the AKA donates a free 1 year membership to that club. The club is free to distribute that membership how they see fit. Once you have the contact information for the new member, send that to [aka\\_digital@aka.org](mailto:aka_digital@aka.org). Please be sure that the contact information contains the recipient's name, address and e-mail address. After you present, are eligible for KHY points. Please e-mail [chairman@aka.org](mailto:chairman@aka.org), for details of the KHY program.

Also, PLEASE reply to [aka\\_digital@aka.org](mailto:aka_digital@aka.org) once you have the contact information for the free membership recipients. Thank you!

Available talks:

"Introduction to Killifish"

"Killifish for the Experienced Aquarist"

"Survival Mechanisms of the Genus Nothobranchius and the implications for the Killifish breeder"

## Marketing and Advertising

Hello everyone!,

My name is Lee Summers, the newly appointed Marketing and Advertising chair for the AKA. and we have some new exciting things going on, I figured I would talk to all my fellow AKA members about.

The BOT has opened up some advertising in the BNL, in order to raise some money for our wonderful club. Now I understand, no one wants tons of tacky ads everywhere making our wonderful club full of "junk", so there are a few rules I set aside to ensure we can stay as nice as we can. There is a very limited number of available spots as well.

I have also created a printable brochure for the AKA that will be available for members to print out for when you go to another clubs meeting or show to hand out.

I would love to hear peoples feedback, ideas and suggestions, or if your interested in doing an advertisement let me know.

-Lee Summers



# The AKA Fish & Egg Listing

Bob Young  
4192 Highway 16W  
N.Clinton AR  
72031-7330

A. australe. free .for Postage

Correspondence by mail only please

**AMAZONAS** Magazine  
is proud to support  
the AKA!  
Learn more about us at  
[amazonasmagazine.com!](http://amazonasmagazine.com)

**A.K.A. Fish and Egg Listing Guidelines** Fish and egg listings are due on the 25th of the month before publication by e-mail to Eric Beyer [akafishandegg@gmail.com](mailto:akafishandegg@gmail.com). Postage must be added to all orders. Use the shipping rates described in the seller's listing, or contact the seller in advance to agree on the amount of postage to include with your order. Ads are limited to killifish, killifish eggs, spawning media, plants, food cultures and killifish-related items. All fish are sold by pairs and all eggs are sold per dozen (12), unless otherwise noted. Week's spawn (WS) means an undetermined number of eggs laid usually into peat over a period of at least one week. Please return boxes promptly unless noted. Live Delivery is GUARANTEED during the months of April through October. Genus and species in italics conform with KMI 4 (or descriptions published thereafter), and may have been edited to standardize these listings. The use of the BNL F&E Listings is restricted to members only. Adherence to the Code of Ethics is mandatory. The Code of Ethics can be found in the Roster and on the AKA Website.

RON HARLAN  
1735 PREMIER ST.  
FALLBROOK, CA 92028-4348  
(818) 298-6740  
[ronkharlan@att.net](mailto:ronkharlan@att.net)

AVAILABLE:

RBT50fp reverse osmosis unit (50 gpd USA membrane, canister prefilter w/ 5 micron rated carbon block prefilter, Tubing and instructions \$75

CC2r carbon block prefilter inserts \$10 each or 4 for \$32

TDS10 electronic TDS meter to test water "hardness", auto shut-off to save batteries and hold button.....\$22

AKA AFFILIATE CLUB MULTI DISCOUNT PACKAGE:

Four RBT50fp RO units + Four TDS10 meters for \$300.

(Call or Email for specific shipping quote.)

RO unit shipping is \$18. Prefilters and/or TDS meter can be added for no additional charge.

# The AKA Publications Book List

Contact Dick Martino, [rm3857@hotmail.com](mailto:rm3857@hotmail.com)

## **“Postage and handling charges.**

For US orders, 1 to 3 books add \$2.00 per book, over 3 books add \$1.50 per book. Excess postage will be refunded.

For Foreign orders, please send an order list to [rm3857@hotmail.com](mailto:rm3857@hotmail.com). I will calculate proper postage if necessary and reply by email. **Do not make an order until you receive postage charges from me.**

Or, order online at [AKA.org](http://AKA.org).

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Wildekamp books;

Vol 1 hardcover: \$45, plus postage

Vol 2 hardcover: \$45, plus postage

Vol 3 hardcover: \$45, plus postage

Vol 3 softcover: \$32, plus postage

Vol 4 hardcover: \$52, plus postage

Vol 4 softcover: \$40, plus postage

Wild Collections (Langton): \$3, plus postage

Arnold&Ahl reprint: \$9, plus postage

Pike-like Killies (Neuman): \$12, plus postage

Success With Killifish (Warner): \$9, plus postage

Cameronense Group (Eberl et al): \$50, plus postage

Fauna Of Cameroon (Amiet): \$45, plus postage

## AKA Online Beginner’s Guide

Did you know that the original AKA Beginner’s guide is available to anyone at [www.aka.org/beginner](http://www.aka.org/beginner) (English) and <http://aka.org/wp-content/uploads/AKA-bg-Eng-Cn-side-by-side-RTW.pdf> (Traditional Chinese.)

These guides are still the best online materials available on the Web that provide a comprehensive guide to killifish husbandry. There are a lot of really inadequate materials out there, so if you get a query from an online contact about killies, point them at the guide as a starter, they’ll be more successful as a result. If you can translate or proofread a translation, feel free to contact [aka\\_digital@aka.org](mailto:aka_digital@aka.org). We especially need a proofreader for the Spanish version. Thanks!

# Events



Think Spring

Save the Date

Motor City Review

March 29-31 2019

## 2019 Southwest Aquarium Keepers Event (SAKE)

Saturday, April 27, 2019

La Quinta Inn & Suites  
2510 W Greenway Rd  
Phoenix, AZ 85023

We will post updates and additional information at -  
[2019 Southwest Aquarium Keeper Event \(SAKE\)](#)

Allan Semeit

Check out the website for the Arizona Rivulin Keepers at: <http://ark.aka.org>

# AKA Membership Application

Send to: AKA Treasurer, C/O  
Mr. Jay Foster  
Suite 203  
15200 Sunset Blvd.  
Pacific Palisades, CA 90272

E-mail inquiries and questions to: [membership@aka.org](mailto:membership@aka.org)

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_

Country: \_\_\_\_\_ Zip (+4 if known): \_\_\_\_\_

Phone: \_\_\_\_\_ email address: \_\_\_\_\_

New Member: [  ] Renewing Member: [  ] AKA # (if applicable): \_\_\_\_\_

Payment by [  ] check; [  ] money order; [  ]

Check membership type:

US Membership: 1 year \$35 [  ]

US Membership 5 year \$165 [  ]

Canada, Mexico 1 year \$41 [  ]

Canada, Mexico 5 year \$195 [  ]

Foreign membership 1 year \$51 [  ]

Foreign Membership 5 year \$245 [  ]

Donation to George Maier Fund for Research & Conservation: \$ \_\_\_\_\_

Payment total: \$ \_\_\_\_\_

All prospective members must agree to abide by the AKA Code of Ethics and will be governed by its Bylaws. Membership is subject to approval by the Board of Trustees.

AKA dues provide the following:

1. Monthly issues of the Business Newsletter delivered by email
2. A one-year subscription to the Journal of the American Killifish Association
3. Access to members-only section of the web site <http://aka.org>
4. The privilege of posting in the AKA online forum.
5. Access to all other rights, services, products and discounts provided through this organization.

Membership dues are subject to change without notice. Your dues must accompany this application. Payment should be made in US funds and checks be made payable to the "American Killifish Association, Inc." Allow 1-2 weeks for processing.

You may also Join the American Killifish Association online at: <http://aka.org>

We accept online payment through PayPal at [aka.org](http://aka.org).