

The **DARTER**

V43#3



MAY/JUNE 2017

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Join or renew membership at any meeting, most club events, by PayPal from the MASI Website's Membership Page or by contacting the membership chair.

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Cover -
Limia vittata - Cuban Limia male By Gary Lange



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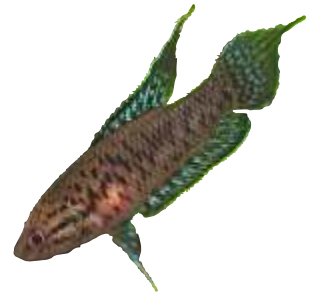
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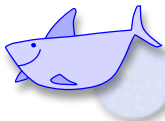
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Article Photos are provided by the Author unless otherwise noted.

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FROM THE PRESIDENT'S TANK

Pat Tosie

more fishy talk. It was a lot of hard work and those who helped out were wore out by the time it ended, but it was well worth it. A big **THANK YOU** goes out to all those who helped make these two weekends a huge success.

Gary has another wonderful speaker lined up for our May meeting, **Dr. Andy White** will be presenting to us a talk on his **Adventures with Plecos** and I'm sure it will be something you won't want to miss, and remember, we usually have Dinner with the Speaker at 6:00, right before the meeting, and this month it will be at Bandana's (be sure to let Gary know if you will be attending).

Our June meeting will feature a **Members Only Rare Fish Auction** with some fish donated from **Segrest Farms** (Segrest is the industry leader for wholesale ornamental fish, supplying pet stores, public aquariums, and research institutions since 1961. You must be a member to purchase at this special auction. You can join (or renew if you have not yet done so) at the meeting or using PayPal from our website. You won't want to miss this opportunity to get some of these highly sought after fish.

Our club is doing well; with over 100 members we have an active Breeders Award Program (BAP) and Horticultural Award Program (HAP), and many fun activities throughout the year. We do need a few people to step up and help out with the operations of the club and give a few long time people a little break.

You get the most out of the group when you are an active member and now is a great time to join in the fun. A couple positions in particular are needed- Vice-President and Treasurer, please talk to Gary Lange, myself or any of the council members if you are interested.

Participate and make our club strong.

Keep looking below water....

WOW!!!!

What a great couple of weeks we had and **if you don't know what I am talking about, you missed it!** MASI's Annual Convention was April 28, 29 and 30th and we had a nice crowd of people, some terrific speakers and another HUGE auction. There was lots of fun and even more fishy talk.

The following weekend, May 5, 6, and 7th MASI hosted National Convention for the American Livebearer Association with even more speakers, more fishy talk, many rare livebearers and

FROM THE EDITOR

Chuck Bremer



This issue of the Darter is largely a photo recap of the recent back to back MASI Fish School Spring Convention and the 2017 ALA Annual Convention also hosted by MASI the next weekend.

Much of the space in this issue was covered in an eSpecial of about 20 pages last year so there wasn't as much space for articles. When that was placed into a regular issue.

Its also been a frantic two weeks plus for everyone and we understandably didn't get many articles submitted. There are a couple that will be used in the next Darter issue but we'd like to fill it so send more. Instead of spending a lot of time writing myself I opted to dip into some photo essays for this issue.

Be sure to check out the Show pages 15-25 and also the Editorial by Gary Lange on page 26 As he indicates MASI needs to decide what to do with the show weekend for the future. **If you missed the Show activities we need to know what would serve you best in the future.** It's your club help the Council decide how to manage it.

Deadline for the July Darter is July 11th!

Send us an Article!!



MASI General Meeting Thursday, May 18th!! Adventures with Plecocos



Andy White

Andy will discuss various types of plecos available in the hobby, in particular the rarer species from the Loricarid number system, including basic care, advanced care, breeding tips, food and housing.

Andy has been keeping fish since the 4th grade when he was given a 29g and an Oscar by a “friend” of his parents. Formerly a Tanganyikan addict, he now exclusively keeps and breeds Plecostomus. He currently keeps 25 tanks, most of which are large, in his walkout basement in Webster Groves.

Dinner with the speaker will be at Bandanas on Dorsett Rd & I-270 at 6 pm. Contact Gary Lange, gwlange@sbcglobal.net, to reserve a spot.



**7:30 PM Dorsett Village Church
2240 Bennington Place, Maryland Heights, MO**



MASI Special Meeting - Thursday, June 15th!!

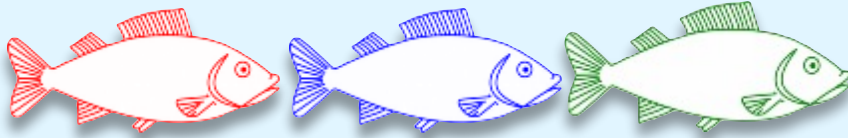


Members only RARE FISH auction!!

- Cichlids?
- Live-bearers?
- Catfish?
- Others?

The public is welcome to attend, memberships will be available at the meeting, but only MASI members can buy. The fish are being donated by Segrest Farms. Watch the MASI website for a list of fish being offered and your inbox for updates!

To bring more fish into the Hobbyist community and MASI's BAP Program.



MASI General Meeting - Thursday, July 20th!!



Dr. Phil Nixon



Fish of Tate's Hell, Florida.

After four NANFA study trips Phil will address several habitat characteristics and the fish that live in each.



Other MASI Programs

Recent MASI Bowling Nite



Other 2017 MASI Dates to Remember:

| | | | |
|------------------|------------------------|-------------------------------|----------------|
| 5/18/2017 | General Meeting | Dorsett Village Church | 7:30 PM |
| 5/20/2017 | Council Meeting | Home of Chuck Bremer | 6:30 PM |
| 6/15/2017 | General Meeting | Dorsett Village Church | 7:30 PM |
| 6/17/2017 | Council Meeting | Home of Cory Koch | 7:30 PM |
| 7/20/2017 | General Meeting | Dorsett Village Church | 7:30 PM |
| 8/6/2017 | Auction | Crown Plaza Hotel | 9:00 AM |
| 8/17/2017 | General Meeting | Dorsett Village Church | 7:30 PM |

**Save the Date: Oct 1, 2017
St Louis MASI Swap Meet**



Did Anyone Even Keep Score?



March & April Raffle Winners Cobalt & Zoo Med Products



Purchase raffle tickets at the meetings to help support your MASI and our Sponsors



MASI Challenge
2017 Progress!

2017 Stuart M Grant Fund

“Net Busters”

\$ 1,200





March - 9 Entries

Cichlids

| Place | Fish | Owner |
|-------|-----------------------------------|--------------|
| 1 | <i>Altum x Scalare Cross</i> | Mark Simmons |
| 2 | <i>Tramitichromis Intermedius</i> | Mark Simmons |
| 3 | <i>Labidochromis sp "White"</i> | Pat Tosie |

Open Class

| Place | Fish | Owner |
|-------|--|--------------|
| 1 | <i>Neoheterandria elegans "TigerTeddy"</i> | Chuck Bremer |
| 2 | <i>Calico Ryunkin "Goldfish"</i> | Jim Ulett |
| 3 | | |

April - 10 Entries

Rainbowfish

| Place | Fish | Owner |
|-------|---|------------------|
| 1 | <i>Apocheilus lineatus</i> | Evan Keim |
| 2 | <i>Aposimeon bivattatum "Lagos Red"</i> | Chuck Bremer |
| 3 | <i>Aposimeon Australe</i> | Charles Harrison |

Open Class

| Place | Fish | Owner |
|-------|---|---------------|
| 1 | <i>Nannostomus marginatus Dwarf Pencil Fish</i> | Chuck Bremer |
| 2 | <i>Turquoise Rainbow</i> | Charles Hoppe |
| 3 | <i>Hyphessobrycon bentosi</i> | Charles Hoppe |



Did your fish get entered?



ALA CONVENTION

Organizers

ALA 2017 ANNUAL CONVENTION

Did you make it to the ALA Convention? If not you really missed a good event.

This was the largest recent ALA Annual Convention and we've had many comments about it and the things that went on.

We realized several of our goals for this convention, including bringing the Livebearer community back together to include the **Goodeid Working Group, Mainstream Guppy Breeders as well as aficionados of the Fancy 4 (Guppies, Platys, Mollies & Swordtails) and other Wild Type livebearers.** For a group that has over 500 species in 5 main families it is 2nd only to the Cichlids in popularity in the hobby and needs its place again. We hope MASI has helped re-establish that.

Another goal was to enhance the Show. Adding the GGA did that and the ALA show portion was slightly larger than in 2016 so maybe it will grow for the future. Having the GGA/IFGA show with the ALA Convention was Fantastic! Not only did folks stopping in off the street get to see a fantastic show but **the IFGA really knows how to run a show!!!** Their help and organizational skills were put to the test for sure but they were up to the task and made it a win for everyone. Thanks and Hats Off to the GGA!

Two of the biggest draws for this year's ALA Convention were the two



days of Fish Room Tours. Turn out was FANTASTIC and contributed greatly to our ability to entice early registration which in turn helped planning. Many folks took the major portion of the

week off from work just for those and they saw some fantastic Fish Rooms!!

Jerry Jost's Huge Cory Lab on Thursday was the talk of the day.

200+ tanks with nearly as many species...colors most have never seen in Corys. Everyone had smiles on their faces. A HUGE Thanks to Jerry for hosting us in his new, state of the art, fish

room. It's not something he does easily. That tour contributed to the lasting power of the folks at the auction also as many waited around just to bid on the last table of fish which contained many species of corys. Thanks, Jerry!

The other fish rooms were also a success, we were still having to turn

Thank
You...



May 4-7
2017

ALA ANNUAL CONVENTION





folks away on the last day who would come from long distances just for those. We had a good diversity of rooms and many places fish room tours are not common so it is the rare fish keeper who isn't looking for ideas as well as fish and these hit that big empty spot. Thanks to Mike Hellweg, Leroy McLeary, Gary Lange

The Vendors were also happy with tons of sales from tons of folks they saw. We thank them all for helping fill the needs of the ALA Convention and helping make it a success: Cobalt, Swiss Tropicals, Fish Factory Books, Midwest Tropicals, Exotic Aquatics and Kitty's Jewelry.

The speakers were great, such a diversity across all parts of the hobby from beginners to advanced breeders, from how to handle the fish to their native habitats and moving them around the world, either wholesale or retail by mail. Fantastic topics with fantastic speakers and information.



things we got a chance to try before rolling them out on the MASI folks at one of our own auctions. NO reading or



If you weren't there you missed out on some wonderful opportunities for information that will never happen again as the ALA dipped into it's paper archives and gave them away for FREE to attendees. They're gone now so this will never happen again. We haven't heard how many new ALA members were gained but there was ample opportunity as the majority of the folks

and Jack Heller for showing their diverse fishrooms and spending the day when they wanted to be doing other things (some were multitasking!) instead of hanging around home all day. Thanks also to the drivers who kept it moving and on time!

The Friday Box Sale caused a furor. Such a mad house is rarely seen and a lot of fish and plants changed hands early in the Convention. Thanks to those who sold and purchased there.

The Special Saturday Fish Sale was tremendous, of about 130 Convention Registrants, EVERYONE, wanted in that room.

Some stood in line for nearly an hour to get in there. There was something for everyone, fancy breeder, wild type keeper or just plain fish keeper. Yes, there were even a couple of those Cichlids that slipped in. Prices were more than right and every one had a smile on their face when they left the room. One special species was purchased there for \$30 then donated back into the main ALA Sunday auction and sold for \$230 when others had a chance to bid.

present were not current members. **Several of you were there for the Sunday Auction** and saw some new






Dog

Cat

Fish

Small Animal

Reptile

Bird

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- Grooming Salon
- Affordable Vaccinations
- Pooch Hotel
- Pet Sitting by Rover.com

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Online Adoption Search

www.petco.com

17 St. Louis locations



writing of hand written numbers and less staging of items should help future MASI auctions. We were able to achieve higher accuracy and took about an hour to reconcile what normally takes 3-4 hours. Look for changes to happen accordingly at the next MASI auction on August 6th.

Thanks to everyone who helped!!

Sure, there were a lot of the same faces who



helped the weekend before. If you weren't there just look around you and thank those who were there on your behalf. We can't remember them all and don't know who all of them

are whom we didn't meet at the time but **THANK YOU** anyway!!

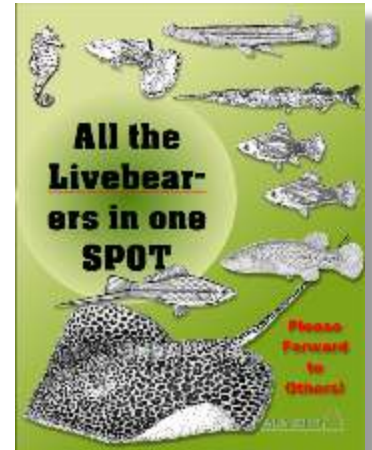
There were some who deserve special thanks for doing so much and doubling up or tripling up on their



contribution and time: Thanks especially to Mike Hellweg (Convention organization, fishroom, special fish sale housing, etc.), Jim Mueller (Treasurer, organization, registration, etc.), Leroy McLeary (Fishroom, BBQ, Guppy & ALA show organization, etc.), Chuck Bremer (Auction, Badges, Registration table). Thanks also for Kitty Mueller (Silent auctions/Raffles, vendor room), Gary Lange (fishroom, AV), Jack Heller

(fishroom, enthusiasm, etc.) and anyone else we might have missed.

Because of everyone the ALA Convention Weekend was a Success!!



MASI AUCTION MESSAGE

Mike Hellweg

Wow! I hope you all survived the deluge! I don't think I've ever seen that much rain on a show weekend. It seemed like it would never stop. The weather gage at the school just south of our house showed nearly 11 inches from Thursday through Sunday. Then driving home after the auction, there was this strange yellow ball in the sky that made driving difficult!

The auction went very well. By now you should have all received your checks. By the way, I always post on the Forum when we send out the checks. I do it here instead of Facebook so folks can go in and check whenever they want and the post doesn't disappear down the feed. We are working to make reconciling the books even quicker and easier, so **you will see a few changes at the next auction.** More about them in the next issue. If you went to the ALA Convention auction, you got a preview.

Our next auction, the annual Summer Auction, will be August 6, 2017.

Thank Chuck and the guys from Tropical World Pets for supplying the raffle tank. And if you get up to **Sailfin Pet Shop in Champaign**, be sure to thank John for his support, too. Not many shops in the country can or will do that, and we have two! Having the long-term local support of TWP and other shops as well is a huge bonus for our members! Many of

them will even give MASI folks a discount on every purchase. Whenever you buy something at a local shop, make sure you let them know you are a MASI member and please patronize them as they support us!

At the Summer Auction we will once again have three pieces of original artwork from nature artist Sam Scalz up for auction. He donated them to MASI and the proceeds will go to the MASI Challenge. They will be sold at 2:30 pm. Watch the Darter for pictures of the three pieces, and Charles, as the date approaches, will have them on the MASI webpage, too.

As always, the folks at the Crowne Plaza will be selling sandwiches, chips, nachos, and drinks right outside the door, so there is no need to head out somewhere else for lunch.

Mike -
auction@missouriaquariumsociety.com





CONVENTION CHAIRMAN

Gary Lange

Fish School - Annual Show Report

Speakers



OUR SPRING SHOW is over. Congratulations to all of the people that entered fish in the show and to those that took the time to come by and see our speakers. Thank you for participating. We had a good time and we learned a lot from those lectures.

We had 124 entries in the show including 111 fish entries. Twenty of our members entered fish in the show. Scot Roach had the most entries with 17 followed closely by our wizard editor Chuck Bremer with 16 entries. Where does he find all of the time to do things so well?! You'll find the list of winners elsewhere in this issue as well as our special awards winners.

There were a lot of you that helped put the show together but if I forget to mention you it's on me, sorry. My list of helpers included Chuck Bremer, Connie Bremer, Debbie Sultan and Tom Corradini who hauled all of that necessary equipment to put on a show to the site. Debbie and Tom also store all of that equipment until the next show or special event, like the ALA show that went down the very next weekend. Jim and Kitty Mueller were also there to help set up the site as well as Daniel Kinder and River Kinder-Russell. Scott Bush was busy filling up water barrels and treating the water for the entrants as well as handling the duties for organizing the pizza party on Friday night in the hospitality room. Many hands helped to lighten the load. I really appreciate all of your efforts.

Our vendors were Exotic Aquatics (Mike Hellweg), Swiss Tropicals, (Stephan Tanner) and Midwest Tropical Fish (Warren Crabtree). I hope you got a chance

to visit their booths and take advantage of some of the items that they had to offer. All three were then vendors the very next weekend at the ALA so we really appreciated them showing up for both events. I definitely need to get over to Warren's shop, I'm just one of those MO boys too lazy to cross the bridge! See you soon Warren.

I also want to thank our wonderful group of speakers. First was Phil Benes and his wife Jan. Phil gave a great talk after the pizza and beer bash on Friday on gadgets in the hobby from many years ago and on Saturday he gave a talk on putting together his huge Koi pond. Thank goodness the fall he took from the roof of his barn taking photos of his pond wasn't fatal as we would have lost a great fish keeper way too early! The ACA is extremely lucky to have him as one of their dedicated members helping to keep them strong and viable.

We sometimes forget that we have several speakers like Mike Hellweg and Steve Edie that also do a lot of speaking on the national circuit. We are indeed lucky to have them as MASI members. Mike's talk on Danios was first presented at the prestigious Aquatic Experience in Chicago last year. Steve's fairly new banquet talk was based on all of those mind-numbing changes to the scientific fish names that they keep throwing at us.

I hope that you also got a chance to hear Stephan Tanner's talk on filtration. So many of us sort of take it for granted but a lot of hobbyists really don't understand filtration and their fish suffer from misunderstandings. I told Stephan that he didn't really get excited enough about his product, the Poret® foam for Matten and other types of filters, because when you look at the numbers he really should be jumping up and down. He says he's Swiss and likes to stay neutral, but if you haven't come around to Poret® yet hopefully you will eventually.

Thanks also to our judges Stephan Tanner, Phil and Jan Benes (President of the GCAS). Judging can be a thankless job and everyone has an opinion and we were very happy to have them available. Congrats to our Best of Show Winner Pat Tosie for a *Xiphophorus kalmani* "Catemaco" and runner up, Judges Award - Charles Harrison for a *Pachypanchax sakaramyi*.

Thanks again for all of you that did participate and we hope to have some new ideas on how our club can host some new events in the future, stay tuned!

GARY



Random Photos



The Name Game:
A Classification Permutation



Fish School

The Darter



The Results are IN!



Aquascaping - Multiple Entries

| Species | Entrant | Place |
|--------------------|---------------|-------|
| Aquarium Beautiful | Gary Lange | 1 |
| Aquarium Beautiful | Chuck Bremer | 2 |
| Aquarium Beautiful | Kitty Mueller | 3 |



Best School/Family or Biotope - 3 Entries

| Species | Entrant | Place |
|--|----------------|-------|
| <i>Ameba splendens</i> Family | Daniell Kinder | 1 |
| <i>Julidochromis transcriptus</i> - family | Steven Hoffman | 2 |
| <i>Corydoras aeneus</i> - School | Daniell Kinder | 3 |



Old World Cichlid - 8 Entrys

| Species | Entrant | Place |
|-------------------------------|--------------|-------|
| <i>Neolamprologus similis</i> | Chuck Bremer | 1 |
| <i>Julidochromis ornatus</i> | Jack Heller | 2 |
| <i>Aulonocara koningsi</i> | Scot Roach | 3 |



1

[More Show Results](#)



2



3



New World Cichlid - 13 Entrys

| Species | Entrant | Place |
|---|-------------|-------|
| <i>Apistogramma borelli</i> | Jack Heller | 1 |
| <i>Thorichthys maculipinnis</i> | Pat Tosie | 2 |
| <i>Pterophyllum scalare</i> - angelfish | Kathy Daly | 3 |

Killifish/Rainbowfish - 17 Entrys

| Species | Entrant | Place |
|---|------------------|-------|
| <i>Pachypanchax sakaramyi</i> | Charles Harrison | 1 |
| <i>Riv. xiphidius, Cirque Blanche</i> " (SGF04) | Charles Harrison | 2 |
| <i>Epiplatys lomottei</i> | Jack Heller | 3 |



1



1

Livebearers Wild Type - 10 Entrys

| Species | Entrant | Place |
|---------------------------------------|----------------|-------|
| <i>Xiphophorus kalmani</i> "Catemaco" | Pat Tosie | 1 |
| <i>Ameca splendens</i> | Chris Mohrle | 2 |
| <i>Ameca splendens</i> | Daniell Kinder | 3 |



Even More Show Results



1

Livebearers Fancy Aquarium Type 11 Entries

| Species | Entrant | Place |
|---------------------------------|-----------------|-------|
| Hi-fin Swordtail red male | Larry Allbright | 1 |
| Male swordtail | Mike Huber | 2 |
| Xiphophorus helleri - swordtail | Jim Mueller | 3 |

Egglayers: Cyprinids: Barbs, Danios, Rasboras, Minnows & Characins: Tetras, etc. 14 Entries

| Species | Entrant | Place | Jr? |
|-------------------------------------|----------------------|-------|-----|
| <i>Hasemania nana</i> - Brass Tetra | Scot Roach | 1 | |
| Gold Barb | Chuck Bremer | 2 | |
| Oranda Goldfish | River Kinder-Russell | 3 | JR |



1



3



1

Anabantids (X- B splendens) - 7 E

| Species | Entrant | Place |
|------------------------|------------|-------|
| <i>Betta mandor</i> | Pat Tosie | 1 |
| <i>Betta burdigala</i> | Pat Tosie | 2 |
| <i>Betta rubra</i> | Gary Lange | 3 |





Fancy Betta Splendens - 6 Entrys

| Species | Entrant | Place |
|---|----------------|-------|
| <i>Betta splendens</i> - Plakat type male | Gary Lange | 1 |
| <i>Betta splendens</i> - Plakat type male | Gary Lange | 2 |
| <i>Betta splendens</i> | Steven Hoffman | 3 |

Catfish: - 9 Entrys Corydoras, Scleromystax, and relatives

| Species | Entrant | Place |
|--|--------------|-------|
| <i>Corydoras semiaquilus</i> "Napo River" | Gary Lange | 1 |
| <i>Corydoras sterbai</i> | Scot Roach | 2 |
| <i>Corydoras nana</i> | Chuck Bremer | 3 |



Catfish, all other - 9 Entrys

| Species | Entrant | Place |
|-----------------------------|--------------------------|-------|
| Banjo Catfish | Deb Sultan, T. Corradini | 1 |
| Brown Bristlenose | Chuck Bremer | 2 |
| <i>Synodontis petricola</i> | Chris Mohrle | 3 |

All Other Fish - 3 Entrys

| Species | Entrant | Place |
|---|-----------------|-------|
| <i>Mastacembelus circumcinctus</i> Zig-zag eel | Jim Miller | 1 |
| <i>Polypterus senegalus</i> - Senegal bichir | Jim Miller | 2 |
| Redtail Black shark | Larry Allbright | 3 |



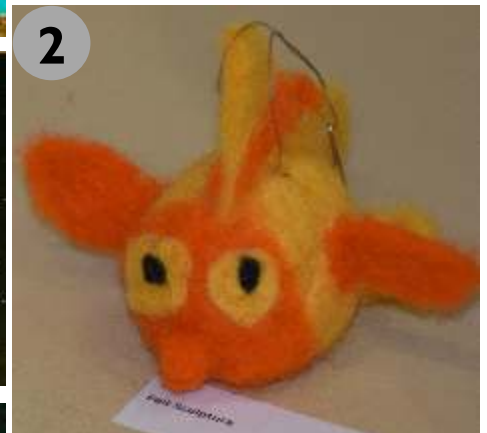
Photography - 6 Entrys

| Species | Entrant | Place |
|------------------------------|------------|-------|
| <i>Betta rubra</i> | Gary Lange | 1 |
| <i>Chilatherina axelrodi</i> | Gary Lange | 2 |
| L#95 Pleco | Gary Lange | 3 |



Art/Craft Item - 7 Entrys

| Species | Entrant | Place | Jr? |
|-------------------|----------------|-------|-----|
| Angelfish | Kitty Mueller | 1 | |
| Felt Fish | Daniell Kinder | 2 | |
| Angelfish drawing | Evan Roach | 3 | JR |



**Thanks to
Gary Lange for
these Photos!**



Best of Show Awards



**Best in Show - Pat Tosie -
Xiphophorus Kalmani
"Catemaco"**



**People's Choice Deb Sultan
& Tom Corradini - Banjo
Catfish**



**Best Catfish Award - Deb
Sultan & Tom Corradini -
Banjo Catfish**



**Best Junior - River Kinder-
Russell - Oranda Goldfish**



**Judges Award - Charles
Harrison - *Pachypanchax*
*sakaramyi***



**Reet Thomas Best Livebearer
Award - Pat Tosie -
Xiphophorus Kalmani
"Catemaco"**

Fish School



2017



**Best Cichlid Award - Jack
Heller - *Apistogramma Borelli***



Congratulations to the 2016 BAP Award recipients.

General Breeder (50 points) - Dan Rios, Mike Slater, Guy Tinker, Bob & Lora Watson

Advanced Breeder (100 points) - Chris Mohrle

Advanced Grand Master Breeder (1000 points) - Chuck Bremer

Illustrious Grand Master Breeder (3500 points) - Pat Tosie

Breeder of the Year (23 spawns) - Chuck Bremer

CARES Breeder of the Year (16 spawns) - Chuck Bremer

400 Species Bred - Mike Hellweg



400 Species Spawned

Congratulations to the 2016 HAP Award recipients.

Advanced Horticulturalist (100 points) - Daniell Kinder, Stever & Kathy Deutsch

Senior Horticulturalist (200 points) - Chris Mohrle, Devvie Sultan & Tom Corradini, Jim Mueller

Green Thumb Award (22 propagations) - Chris Mohrle



2016 Green Thumb Award Most Propagations





MA SI Thanks and Congratulates also the bigger winners of the night...

**Hobbyist
Society
Service
Award 2016
Pat Tosie**

**Most Service/
Volunteer
Award Points**



**Ralph Wilhelm Writer
of the Year for 2016**

**COLLECTING IN
NICARAGUA**

**Also
Receives
\$100**

**Text and photos by
Kurt A. Zahringer**

**Darter : Vol 42 No1,
January, 2016, Pages 21-24**

WHEN LAST WE left the hero of our story, his chances of collecting fish during the final days of his trip seemed all but lost. Then, at the eleventh hour, Edgardo and Benjamin, owners of Acuario Arrecife, saved the seemingly doomed collecting trip. ...



Congratulate Ed who Received the



2016 Member of the Year

Ed Millinger

Ed Millinger is the epitome of a nearly perfect MASI member. Ed is well known within MASI and has been for many years- so many that most take him for granted. He has been an unsung hero always willing to step in where there is a need even before being asked. As a Volunteer Ed is unassuming and quiet but very thorough about his job and willing to help anyone.

Ed has filled many roles for MASI, including Auction Scribe and Points Tabulator among others. Longer term members can fill in the blanks many don't know. His roles have been assumed and performed so quietly Ed would not have been noticed were it not for his height and (previously) red hair. Although Ed claims retirement, both from his "regular" job and MASI Volunteer jobs, he continues to seek ways to fill in for both. Most recently Ed "retired" from MASI Points Tabulator but not before he could train Guy Tinker to take his place and knew it would be in good hands.

As Ed "retired" from this position he quietly assumed the role of Membership Chair filling in for Ron Huck during his absence, being sure that Ron had the support of our club in his MASI job and in his personal life. Ed has provided a conduit of communication to Ron. Ed's caring and compassion have also driven him to gather more information for us about recently deceased and nearly unknown MASI member, Craig Henning.



Throughout Ed's membership in MASI he has been an avid Hobbyist and Event participant. His fish continue to win at many MASI Shows. He has also continued to challenge himself in the BAP and HAP, being at the levels of Advanced Grand Master Breeder and Master Aquatic Horticulturalist and providing MASI members with two difficult to spawn species in the past 6 months! He has been sure to write informative articles on both so that information on their propagation continues in the Hobby for MASI and wherever his articles on *Geophagus Winemilleri* and the

Cool Cat *Schleromystax barbatus* are reprinted next. As a consistent writer for the club newsletter, the Darter, Ed has provided over 50 articles and columns in the past 12 years- nearly unsurpassed.

Unassuming Ed received the MASI Hobbyist of the Year Award for his continued and loyal support of MASI in 2016 and all those years that came before! Ed has held the bar high and this is our way of thanking him as an Unsung Hero for long term devotion of a nearly perfect MASI member setting the example for all of us!



Do we have a Show next year?

Help us decide...

Editorial by Gary Lange

ALTHOUGH THE 2017 Spring Show/Convention met many's expectations we will be rethinking our approach to our Spring Event at the next Council Meeting.

On Saturday at some points we only had 18 people in the room to hear a quality speaker. We have been pushing hard to get members to come to these Saturday talks and relatively low turnout appears to be a real trend over the past several years. Attendance got a little better as the day went on but not by much.

When less than 20% of the members show up for an event it's really time to rethink what you're doing.

As the show chair/vice show chair for many shows over the years we just can't justify bringing in quality speakers only to have a handful of folks show up to enjoy their craft. When you have legends like Ad Konings, Paul Loisel, Rachel O'Leary plus those above getting less than 50 people to listen to them it's time to do something different. It's not right to have them take their time and effort to speak to such a tiny audience. We could spend the same and have them at a monthly meeting where we consistently draw 45-70 people per meeting.

We had a decent turnout for show entries but it's just a drop in the bucket compared to shows in the past so it may not be addressing member's needs. Only 20% of our members decided to participate by putting fish into the annual show. Considering the time, money and energy that goes into setting things up it appears to be producing diminishing returns. I would say that if we only had 20 members showing fish and a whole bunch coming through to see the display then we might be able to justify it but that also isn't the case.

What I plan to propose for the future is to have a banquet that is not linked to any auction or swap meet. There will be no more show setups and no more Saturday speakers, they just aren't working. The banquet will serve as a platform to honor our award winners for BAP, HAP, and service awards and also just to let us enjoy the evening.

When an auction or a swap meet is planned for the next day everyone is in a hurry to get out of there and go bag fish. We could also fly in a major speaker for the banquet so that you would have another reason to show up. Keep the banquet donation slots intact on our auction sheet and with a few donations your ticket could also be free.

We should still keep the Super Bowl in place for our October meeting so our members still will have a chance for bragging rights and the ability to show off their fish.



I know that there are some people that might disagree with me about replacing the annual show and workshop. But isn't the definition of insanity doing the same thing over and over and expecting different results? Mike Hellweg and I have had this conversation now for the last two or three years and we both agreed that if things didn't improve it was time to move on and try something different. We think that time is now.

I hate to admit it but it is time to move on.

GARY

This will be a major topic of discussion at the next Council Meeting to be held at 6:30 PM (Cookout first, meeting at 7:30) at the home of Chuck Bremer. RSVP if you plan to attend.

If you do not attend please let the council know your thoughts either in person to one of those listed on page 2 of this Darter or by emailing council@missouriaquariumsociety.com.

We really do need your thoughts and input on this major decision as it will affect everyone.



Meet MASI Fishy Folk - Jim Miller

Mr. "I'll bid a \$I!!"



Welcome to Jim's Fish House



MOST OF YOU, especially the new members, probably know Jim as the person who sits in the front of the room and sticks his hand in the air while hollering "I'll bid a Dollar!!"

He's really getting your attention to see what caught his eye...and the bids are off!! Jim is no Cheap Scate as many of you may be thinking. He usually has the highest or 2nd highest total and he is contributing to the club by getting you to bid him up. It's worked on me too a couple of times.

Jim is very modest and rarely turns in fish or plants for BAP or HAP and he's never hosted a club fish room tour. That's why this photo essay on his fish room... really a fish house within a house. He's got all kinds of things in there and **most are in 2 sizes, Adult and Fry.**

I never could get Jim to give me the answers to questions so the photos will have to stand on their own.

Editor





**Always Lots of Babies in the Room.
From Corys to Rineloricaria to Angelfish
and beyond!**



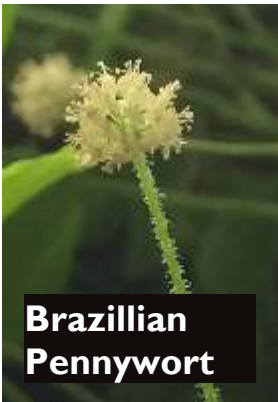


Saltwater as well as Freshwater fish and crustaceans benefit from the heat in Jim's Fish House... and he's the only one who notices the humidity!





**Not just
Fish in
Jim's Fish
Room!!**



**Brazilian
Pennywort**



**Ammania/
Nesaea sp ??**



**Red Melon
Sword**





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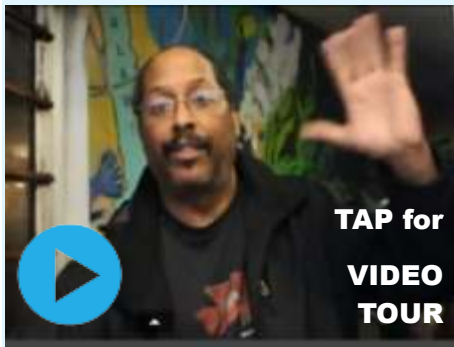
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Minifins

-

Malpulutta kretseri

The Blue Pin Tail Gourami

A C.A.R.E.S. Species

-

Mike Hellweg, CFN
(Certifiable Fish Nut)

HIDING AMONG THE leaf litter on small Sri Lankan streams, and even among the leaves and plants growing in some family water collection and storage tanks on the island is the gorgeous, yet little known dwarf



not unusual. Once a few more specialized breeders bite the bullet and start working with them, I see that price coming down quickly.

The fish are remarkably undemanding for such a rumored "delicate" fish. In my experience, they are remarkably hardy and prolific. The biggest disappointment is that these gorgeous fish are extremely shy. This could lead to being thought more rare in the wild than they actually are because they hide all the time.

Males prefer caves, and females seem to prefer hiding in plants. Most of the time even with small dither fish you don't see them and the tank looks empty. Sometimes a week or more will go by without ever seeing them, especially the females.

gourami - *Malpulutta kretseri*. I've been told local boys collect them and gave them the name that translates to Blue Pin Tail.

Males are among the most stunning of freshwater fishes. They are a pale tan color, covered with metallic blue dots. The unpaired fins are bright metallic blue. The dorsal fin can extend well past the caudal base and the central rays of the caudal form a pin tail that is sometimes as long as the rest of the fish!

For many years, this fish has been rumored to be extinct, nearly extinct, endangered, or threatened depending on the source you being read. Due to the recently ended long and brutal civil war in Sri Lanka, actual data is hard to come by, even today. They disappeared from the hobby in the late 1980's, leading hobbyists to fear the worst. But in the last few years, numbers of them have made their way to Europe and from there to the US. Prices reflect their scarcity in the trade, and paying \$150 for a pair is

Not even food can bring them out, though Grindal worms will sometimes coax the male out into the open.

Oddly, young fish are just the opposite, gregarious to the point of not letting other non-kretseri in the tank even get something to eat. Upon reaching maturity, however, they also take on the secretive ways of their parents.

A tank setup is simple. I kept a single pair in a 10 gallon tank, filtered by a sponge filter (before my Mattenfilter phase). The tank was tightly covered; as with many other small Anabantoids, they are excellent jumpers. The tank was full of caves and plants, and the surface of the tank was completely covered with Water Sprite (this was back when it grew like a weed for me - I can't keep it alive now!). I kept them at a pH of around 7.0 - 7.2 with a total hardness of 125 ppm, mostly from carbonates (about 70 ppm). Temperatures were in the low to mid 70's. They appeared to stop spawning when it gets close to 80.



As you might guess from their hiding nature, **they are also a hidden nest spawner**. My males have preferred to spawn in caves made of inverted flower pot saucers with a notch in the side. You'll know something is up when the male doesn't even come out for a nice, juicy worm, or if he does, it's a quick dash and back to the cave. It seems that almost magically one day you are presented with a group of 25 to 40 fry when they become free swimming.

I remove the fry to another tank as I see them, though I've missed some and they've grown up in the tank with the adults, so they don't seem to be serious fry predators. This is similar to their cousins, *Pseudosphromenus cupanis* and *P. dayi*, neither of which are fry predators to a great degree.

Over the last year or two that I kept them, I noted a couple of nests that were made by young males in caves up against the front glass. They are small, barely larger than a dime. Spawns are likewise small. I've had some spawns as large as 60, but some of the first were only a dozen or so.

I fed the adults and juveniles a variety of foods - live and freeze dried. Rehydrate freeze dried foods for 10 - 20 minutes, then feed to the fish with a baster like brine shrimp. They loved newly hatched brine shrimp, small *Daphnia* and *Moina*. They also enjoyed smaller worms like Grindals and young black worms. The fry ate microworms, 'Walter Worms', Cyclopeeze, Golden Pearls and APR, along with grazing microfauna from the large number of plants in the tank.

The species was kept alone. My interest is mainly in breeding and studying fish, not in keeping a "community", though I do have a few of those. Most of the folks that received fry from me reported a similar shyness when the juveniles reach spawning age.

Thinking Pygmy Rasboras would act as dithers and make the *kretseri* feel



comfortable enough to spend time in the open, at least one person tried to keep adult fish with this diminutive fish. His *kretseri* nearly starved to death! Judging by their shyness, they probably won't do well with a lot of other fish.



If you come across these rare gems, don't hesitate to give them a try. Provide them with their own tank set up in a simple manner as outlined above, keep them cool, and they'll provide you with more fry than you know what to do with!

Photos from
www.seriouslyfish.com

(c) Choy Heng Wah, Colin Dunlap & Kohr Harn Sheng



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CLOSED MONDAY



2017 BREEDER'S AWARD PROGRAM - Steve Edie



March

| Member | Genus | Species | Common Name | Points | Bonus | CARES | Total |
|-----------------|-----------------------|---|----------------------|--------|-------|-------|-------|
| Chuck Bremer | <i>Ameca</i> | <i>splendens</i> "Rio Teuchitlan" @ | | 15 | | 15 | 1022 |
| | <i>Ilyodon</i> | <i>whitei</i> "Rio Huamita" #@ | Trout goodeid | 0 | | 15 | 1037 |
| | <i>Limia</i> | <i>perugiaei</i> "La Azufrada" | | 5 | | | 1042 |
| | <i>Skiffia</i> | <i>multipunctata</i> "Lago de Comecuaro" #@ | Spotted Skiffia | 0 | | 20 | 1062 |
| | <i>Xenotoca</i> | <i>doadrioi</i> #@ | Red Tailed Goodeid | 0 | | 15 | 1077 |
| | <i>Xenotoca</i> | <i>variata</i> "Zaputa" # | Jewel Goodeid | 0 | | | 1077 |
| Mike Hellweg | <i>Elassoma</i> | <i>zonatum</i> "Gulfport, MS" * | Dwarf Banded Sunfish | 20 | 5 | | 6890 |
| Steven Hoffman | <i>Julidochromis</i> | <i>transcriptus</i> | | 10 | | | 160 |
| Mike Huber | <i>Anomalochromis</i> | <i>thomasi</i> | | 15 | | | 1134 |
| | <i>Metriaclima</i> | <i>zebra</i> ^ | OB Zebra | 0 | 2 | | 1136 |
| | <i>Pelvicachromis</i> | <i>pulcher</i> | Kribensis | 10 | | | 1146 |
| | <i>Poecilia</i> | <i>wingei</i> ^ | Super Red Endlers | 0 | 1 | | 1147 |
| Jerry Jost | <i>Corydoras</i> | <i>dauidsandsi</i> * | Sand's Cory | 10 | 5 | | 2467 |
| | <i>Corydoras</i> | <i>sp.</i> "CW022" * | | 10 | 5 | | 2482 |
| | <i>Corydoras</i> | <i>sp.</i> "C123" * | Yellow Finned Cory | 10 | 5 | | 2497 |
| Scot Roach | <i>Ancistrus</i> | <i>cirrhosus</i> | Brown Bristlenose | 10 | | | 90 |
| | <i>Ancistrus</i> | <i>cirrhosus</i> ^ | Albino Bristlenose | 0 | 2 | | 92 |
| Debbie Sultan | <i>Otopharynx</i> | <i>lithobates</i> "Black Orange Dorsal" * | | 10 | 5 | | 850 |
| & Tom Corradini | <i>Protomelas</i> | <i>annectens</i> * | | 10 | 5 | | 865 |
| Pat Tosie | <i>Apistogramma</i> | <i>macmasteri</i> "Lala Tane" * | | 15 | 5 | | 5225 |
| | <i>Labidochromis</i> | <i>caeruleus</i> "Lions Cove" | | 10 | | | 5235 |
| | <i>Melanochromis</i> | <i>kaskazini</i> * | | 10 | 5 | | 5250 |



2017 BREEDER'S AWARD PROGRAM - continued

April

| Member | Genus | Species | Common Name | Points | Bonus | CARES | Total |
|----------------------------------|---------------|-----------------------------|-----------------|--------|-------|-------|-------|
| Mike Hellweg | Rocio | octofasciata | Jack Dempsey | 5 | | | 6895 |
| Mike Huber | Heterandria | formosa | Least Killifish | 5 | | | 1152 |
| | Lamprologus | similis | | 10 | | | 1162 |
| | Poecilia | wingei ^ | Blonde Endlers | 0 | 1 | | 1163 |
| | Zoogoneticus | tequilla @ | Tequila Goodeid | 15 | | 15 | 1193 |
| Jerry Jost | Aspidoras | fuscoguttatus * | | 15 | 5 | | 2517 |
| | Brochis | splendens * | Emerald Cory | 15 | 10 | | 2542 |
| Scot Roach | Xiphophorus | sp. "Domestic Platy" | Painted Platy | 5 | | | 97 |
| Debbie Sultan & Tom Corradini | Mylochromis | ericotaenia * | | 10 | 5 | | 880 |
| | Thorichthys | callolepis "Rio Carolina" * | | 15 | 5 | | 900 |
| Pat Tosie | Labidochromis | chisumulae | | 10 | | | 5260 |
| | Tropheus | duboisii "Maswa" @ | | 15 | | 15 | 5290 |

BAP Key:

- * = First MASI species spawn (5 point bonus)
- ** = First MASI species and genus spawn (10 point bonus)
- *** = First MASI species, genus and family spawn (15 point bonus)
- @ = C.A.R.E.S Species at Risk (Double base points)

= Species previously submitted = 0 points, except for C.A.R.E.S. = base point bonus

^ = Species previously submitted, limited points for additional color varieties

Sources: Cal Academy - <http://research.calacademy.org>
CARES - <http://www.carespreservation.com>

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HORTICULTURE AWARD PROGRAM - Mike Hellweg

January & February 2017



| Member | Genus & Species | Common Name | Type | Points |
|---|---|-----------------------|-----------|-----------|
|  Chris Mohrle | 455 points | | | |
| | <i>Bucephalandra</i> sp. <i>Avocado</i> | | IB | 20 |
| | <i>Crinum calamistratum</i> | Waffle Leaf Bog Lily | V | 20 |
| | <i>Myriophyllum pinnatum</i> | Eastern Water Milfoil | V | 10 |
| Pat Tosie | 400 points | | | |
| | <i>Anubias barteri nana</i> | Dwarf Anubias | V | 15 |

HAP Key:

Reproduction Key: **V** = Vegetative, **OB** = Outdoor Bloom, **IB** = Indoor Bloom, **S** = Seedling;

* **MASI First!**

Horticultural Award Program Blooms submitted in 2017



Bucephalandra sp.
Avocado
- Chris Mohrle

Folks, Its time to begin mining those outdoor ponds for blooms for 2017! Get plants now, enjoy them over the summer in your ponds and tubs and **don't miss photographing their outdoor blooms.**

This fall, split the plant and also turn in for Vegetative reproduction points. If you're lucky you'll get seed and can grow another plant from that in 2018 for even more points.

Pond space and enjoyment well invested!!



CLUB HOPPING - Steve Edie

- May 21 - Chicago: Greater Chicago Cichlid Association – Swap Meet
- May 26-28 – Chicago, IL: American Killifish Association – Annual Convention
- Jun 8-13 – Meramec SP, MO: North American Native Fish Association – Annual Convention
- Jun 22-25 – Orlando, FL: International Betta Congress – Annual Convention
- July 13-16 – Detroit: American Cichlid Association – Annual Convention
- Jul 22 – Urbana, IL: Champaign Area Fish Exchange – Summer Auction
- Aug 6 - St Louis: MASI – Summer Auction
- Aug 12 - Kansas City: Heart of America Aquarium Society – Swap Meet
- Sep 22-24 – Madison, WI: Madison Area Aquatic Hobbyists - Cataclysm Catfish Convention
- Oct 1 - St Louis: MASI – Swap Meet
- Oct 1 - Chicago: Greater Chicago Cichlid Association – Swap Meet
- Oct 21 - Kansas City: Heart of America Aquarium Society – Auction
- Oct 28 - Peoria, IL: TriCounty Tropical Fish Society - Auction
- Oct 29 – Davenport, IA: Quad City Fish Keepers Swap
- Oct 29 – Alsip, IL: Greenwater Aquarist Society
- Nov 4 – Hiawatha, IA – Eastern Iowa Aquarium Association - Auction
- Nov 3-5 - Chicago: Aquatic Experience
- Nov 17-19 - Cleveland: Ohio Cichlid Association – Extravaganza
- Nov 19 - St Louis: MASI – Fall Auction
- Dec 3 - Chicago: Greater Chicago Cichlid Association – Swap Meet



Nearby Clubs linked to their logo



Other links are on the MASI

[Linkpage.](#)

Convention LogosHotlinked!



Michigan Cichlid Association Presents

Cruisin' for Cichlids



ACA 2017

Novi, MI
July 13th - July 17th



SHOP HOPPING - May 15th - June , 2017

Special Events and Deals!



These Local Fish Shops (LFS) help introduce hundreds of people to the Aquatic Hobby every day. They also help the Missouri Aquarium Society reach those hobbyists and keep them engaged by promoting our programs. **Support their programs too!**

LFS current Special Aquarium Offerings are brought together here and you can find Store Ads elsewhere in the Darter. Click on their Logos here or their Ads elsewhere for additional information.

Happy Fish Shopping!

The Missouri Aquarium Society

| When | What | Where |
|---------|-----------------------------------|---------------------|
| Current | Current Specials | petco |
| March | May Specials | PetsWay |
| Current | Facebook | Pet Connection |
| Current | Monthly Specials | Sailfin Pet Shop |
| Current | Facebook/Specials | Aqua World |
| Current | Monthly Specials | Tropical World Pets |
| Current | Weekly Specials | Corals & More |
| Current | Fish List | Malawi Aquatics |



FISHES AS DISHES

PATRICK A. TOSIE, SR.

We all love our fish! This column is dedicated to using fish for something tasty to enjoy. Try it, you may like it. If you have leftovers, bring them to a monthly meeting for others to enjoy!

Fish and White Bean Tostadas

Total Time: 1 hour. Makes 4 servings

Ingredients:

- 1 pound white fish fillets, like tilapia, flounder, sole, skin discarded and cut into finger-sized pieces
- 1 lime, zested and juiced, plus lime wedges for garnish
- 2 cloves garlic, minced
- 2 tablespoons extra-virgin olive oil, plus extra for baking sheet
- Kosher salt and freshly ground black pepper
- 1/4 cup vegetable oil
- 8 (6-inch) corn tortillas
- Sauteed White Beans, recipe follows
- 1/2 cup shredded purple cabbage
- Pineapple and Avocado Salsa, recipe follows
- Sour cream, for garnish

Sauteed White Beans:

- 2 tablespoons extra-virgin olive oil
- 1/2 white or yellow onion, finely chopped
- Kosher salt
- 1 clove garlic, minced
- 1 teaspoon ground cumin
- 1/2 cup white wine
- 1 1/2 cups cooked navy beans
- Freshly ground black pepper
- 2 tablespoons chopped fresh oregano leaves (or 2 teaspoons dried)

Pineapple and Avocado Salsa:

- 1 (14-ounce) can sliced pineapple in juice, drained and juices reserved
- 1 tablespoon lime juice
- 1 tablespoon honey
- 1 tablespoon extra-virgin olive oil
- 1 small jalapeno, seeds removed and diced
- Kosher salt and freshly ground black pepper
- 1/2 red onion, finely chopped
- 2 tablespoons minced cilantro leaves
- 1 medium avocado, halved, pitted and flesh cubed

Directions:

In a small bowl, combine the lime juice, zest, garlic and olive oil. Season with salt and pepper, to taste. Put the fish in a baking dish and pour the marinade on top. Marinate for no more than 15 to 30 minutes. Meanwhile, preheat the broiler or grill. Lightly coat a baking sheet with olive oil. Remove the fish from the marinade and arrange on the baking sheet, making sure to leave space

between the pieces. Broil until just cooked through, about 4 to 5 minutes.

Meanwhile, in a medium saute pan, heat the vegetable oil over medium heat. Fry the corn tortillas, 1 at a time, just until crisp, flipping halfway through to brown both sides. Drain on paper towels and salt while still hot.

To assemble the tostadas: Layer each tostada first with Sauteed White Beans, then the fish. Top with the shredded cabbage and Pineapple and Avocado Salsa. Garnish with a dollop of sour cream and a squeeze of a lime wedge.

Sauteed White Beans:



In a small pan, over medium heat, add the oil. When the oil is hot add the onion with a pinch of salt and saute until soft, about 5 minutes. Add the garlic and cumin and cook until fragrant, about 2 minutes. Raise the heat and add the white wine. Cook until the wine has reduced by half. Stir in the beans and oregano and season with salt and pepper, to taste. Cook gently for 15 minutes. Transfer to a serving bowl and serve.

Pineapple and Avocado Salsa:

In a medium bowl, make the dressing by mixing 2 tablespoons of pineapple juice with the lime juice, honey, oil and jalapeno. Season with salt and pepper, to taste. Add the pineapple and onion. Gently fold in the avocado and cilantro. Let the flavors blend for at least 15 minutes before serving.

EAT MORE



FISH



MEMBER CLASSIFIEDS

| Buy/Sell | Member | Item Description | Bid/Asked | Contact |
|------------|------------------|---|---|--|
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| Sell | Charles Harrison | Thiosulfate crystals (Chlorine Remover) - pound OTO double strength Chlorine/Chloramine test kits - 4 ounce Flubendazole, 10% powder 25 grams Lavamisole HCl Powder - 5 grams treats 100 gallons Methylene Blue 5% solution (4 ounces) Acriflavine Concentrate (4%) solution, 2 ounces Bromthymol Blue pH test solution, 4 ounces | \$4.00 \$12.50 \$20.00 \$10.00 \$12.75 \$12.70 \$7.00 | (314) 849-9761 charles@inkmkr.com |
| Sell | Charles Hoppe | Several 10 and 15 gallon tanks, including wooden rack. Makes a nice small fishroom. Extras, contact me if interested. | | (314) 846-4648 charliehoppe@me.com |
| Sell | Steve Edie | 55 gal and 45 long on a double wrought iron stand. Tops and lights. \$100 donation to MASI Challenge/Stuart Grant Fund. 55 gal on wood shelf-type stand. Top and light. \$55 donation to MASI Challenge/Stuart Grant Fund. Pick up only. I no longer have a truck. | \$100 SGF \$55 SGF | sredie@charter.net |
| Buy | Mike Hellweg | Small Styro shipping boxes - 12 x 12 x 12 or a little bit smaller. If your company uses them and throws them away, save them! Bring to the meeting or I'll come pick them up | Free | (636) 240-2443 |
| NEW | | | | |

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Got something fishy to sell? Bringing something to sell at the next MASI meeting?

Advertise here!

Deadline is 10 days prior to the January, March, May, July, September or November MASI Meeting. The Darter is Emailed about 3 days prior to each of these meetings.



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Entrant Name _____

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_____ Fold here and place in front of bowl(s) with Entrant name hidden _____

| Line | Species: Latin or Common Name | SEX | Monthly | Open |
|------|-------------------------------|-----|---------|------|
| 1 | | M F | | |
| 2 | | M F | | |
| 3 | | M F | | |
| 4 | | M F | | |
| 5 | | M F | | |
| 6 | | M F | | |
| 7 | | M F | | |
| 8 | | M F | | |
| 9 | | M F | | |
| 10 | | M F | | |

May
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June
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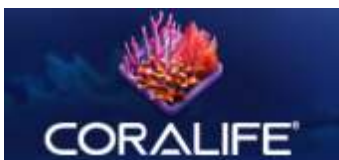
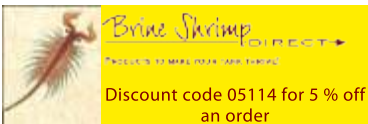
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