

* DELTA TALE *

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potomac valley aquarium society



POTOMAC VALLEY AQUARIUM SOCIETY



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From The President

One Thursday evening last month, a small group of PVAS cichlid keepers past and present had the rare opportunity to meet and talk fish, the fish industry worldwide, politics, and life in general with Stewart Grant. Why was this a rare opportunity? Well, Stewart Grant has been living and exporting fish from Lake Malawi, Africa for many years, and a U.S. trip is something that doesn't happen often. Everyone had a thoroughly entertaining time and such an evening will probably never be repeated here in the Virginia area.

David Herlong from Raleigh, N.C. provided Stewart with a walking tour of D.C. during the day, and the evening was full of lively discussion about international exporting and exporters. Heinz Lenzen and Mr. Grant rattled off common contacts in the Germanys, both West and East. Dave Shaw discussed the Florida importers and wholesalers who deal with Malawian cichlids, and John Jessup recollected about the first Africans to enter the country, or was it the fish that arrived via the Hindenberg, or maybe how he developed the first goldfish strains. He has been with PVAS for quite a long time. Thanks to Pat and Maggi for being the hosts once again.

Everything exciting and interesting was discussed, and since the subject was never mentioned, I gather there are no Goodeids in Lake Malawi. Maybe Stewart should take some back and establish a colony of dither fish in the lake. Eventually we could get color morphs of the livebearers, like there are color morphs of the *Pseudotropheus zebra*. Imagine different shades of gray.

Keep in mind the PVAS picnic later this month. It is our way of saying thanks for all the success at the Show and Auction. Not only is the food and drink supplied by the club, but it is a nice afternoon for the whole family and a great time to sit around and talk about your favorite hobby. We have reserved an enclosed shelter for the whole day, so come when you want and leave when you want. There are lots of things to do there too.

We are already making plans for the October Banquet and Auction. We should have definite plans for a speaker by next month's meeting. There are several interesting plans upcoming in the next few months, so read this fine publication for further plans. See you next month.

Gerry



FROM THE EDITORZ DESK

Thanks to the efforts of Pete Thrift I am back up to a full size issue this month. I also had enough time (barely) to get an article written for this issue. How about the rest of you? There is an extreme shortage of original articles coming in to me. It isn't really all that difficult to write an article. Why even Gerry is capable of doing it. If he can anyone can.

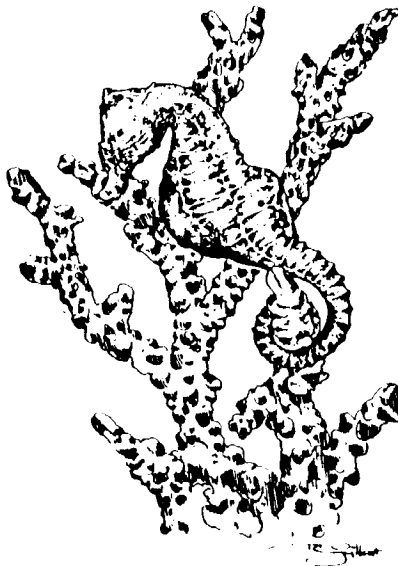
The PVAS picnic is coming up soon. It will be held at Pohick Bay Regional Park this year. The club will be providing food and drinks this year. Some of the activities available at the park are: swimming, miniature golf, frisbee golf, full size golf course, paddle boats, sailboats, nature trail, etc. (thanks to Pat Gore for providing this list). It is a very nice place and everyone should have a good time.

Unfortunately I will not be able to be there. This is the same weekend as the AIA convention. On Sunday I will be in Kalamazoo enjoying the company of other livebearer enthusiasts. It will be good to talk to people who have good taste in fishes for a change. It is being held in conjunction with the Southwestern Michigan Aq. Soc. show and auction, as it was last year. They are a great group of people and really know how to put on a fish show.

Hey, I just thought of something. Last years picnic was also held on a day that I was out of town (Baltimore). If you don't want me to come just say so.

I'll stop here for this month, I still have a lot to do and I'm running short of time. See you at the meeting.

John



AUGUST

Program: Anticipated Speaker: Joachim Paulo. Featured speaker at the American Cichlid Association Convention. As told to us, he will be speaking at various clubs in August before returning to Germany. Excellent slides will accompany his program.
:The sure thing: Pat Mahoney will bend our ears with highlights from the ACA convention in New Jersey this past July.

Mini-Auctions: At the end of the meeting

Monthly Raffle: The flow of goodies never ends

The Picnic: Sunday, August 18 11:00 till dark Pohick Bay
PVAS will supply Hamburgers, Hot Dogs, Soda, Chips, etc. and will have the charcoals hot and ready all afternoon. Plenty of activities available, swimming, volleyball, canoeing, a recreational area, plus an enclosed shelter. RAIN OR SHINE. We have bought the food and soda, it must go on. The whole family is invited. Directions in the Delta Tale.



Lots of Burgers and some Dogs
Go collecting for the frogs
Bring the family and the kids
Please leave home the Goodeids*
Come and join us for the day
In the park at Pohick Bay.



(*ed. note- my goodeids and I will be in Michigan at the ALA convention having a good time with other people who have good taste in fish. J.M.)

Directions to Pohick Bay Regional Park-

Take the capitol Beltway south on rt 95
Take the Lorton exit. #55. to the stop sign.
Go left on Lorton Rd. (rt 642) There will be a sign for the park at the stop sign.
Go underneath the bridge and continue on to the sign for Pohick Bay Park.
Turn right at the sign and go one block to rt 1. This should be Armistead (rt 748).
Turn right onto rt.1 and go aprox. 1 mile to Gunston rd. (rt 242) there is a traffic light at Gunston rd. and rt 1.
Turn left on Gunston rd.. Again there is a sign for the park.
Go aprox. 4 1/2 miles to the park entrance.
PVAS has shelter #2 from 9:00 am until dark.
Residents outside of Northern Virginia will be charged \$4 per carload.



ed. note- I didn't make these directions, just typed them. So if you get lost it's not my fault. Blame Gerry. He didn't write them either but he deserves to get blamed for something. J.M.

Small Marine Aquarium

By Jason Kooken
PVAS

Most of you have set up a small fresh water tank for breeding. This is about the small marine aquarium that may be placed on a desk or whatever.

People say that the smaller the tank the more trouble. That can be true unless you lookout for the trouble before it starts, like a trouble shooter.

A small aquarium is a five gallon (or under) tank. My favorite is a two and a half gallon. First take a small tank with no metal because the probability of contamination is high.

Then make an under-gravel filter that has a snug fit. Place an inch and a half of crushed coral or dolomite; a mix of both is good. Then mix some Instant Ocean to two gallons of water; fill tank. Start the under-gravel filter now and arrange a coral decoration if you wish. After the system has been up a day, put in an animal that the store you buy fish from (salt-water) recommends. Also, ask them to test the nitrite, ammonia, and P.H. . If the P.H. is low add more coral to your aqua-scape. Then add three or four animals preferably invertebrates.

A light is not essential unless you want to keep marine plants or not use a heater. Fluorescent is the best because it will keep a pasture of algae for the animals to graze on.

Good luck on your venture.

THE BLACK GHOST

by John Manzan, PVAS

What comes out mostly at night, swims equally as well backwards or forwards, finds its way around with radar, and is possessed by the spirit of a dead South American Indian?

No, it isn't something out of the latest Steven Spielberg movie. It's the black ghost, Apteronotus albifrons.

The black ghost is one of the more beautiful and bizzare fishes available to the aquarist. It is knife-like in shape with a very long undulating anal fin that stretches from right behind the head almost to the base of the tail. This is what the fish uses to propel itself rapidly forwards or backwards, or to just hover ghost-like in the water. The caudal fin is very small and round and most people would probably tell you that the ghost doesn't have a dorsal fin. The dorsal fin is present though. It is long and threadlike and is held down against the fish's back. The only way I have ever been able to see this is by careful examination of dead specimens. Several other authors have written that they could find no dorsal fin or even a stub or scar to indicate one was present. Could this be a sexual or geographic difference? I have no evidence yet to support either of these theories but I will be looking into it and will publish the answers as soon as I have enough evidence.

The black ghost is velvety black in color except for a white stripe which runs from its snout to about 1/2 way down its back (this is where the specific name albitrons, which means white front, comes from) and two white bands near the tail.

The fish has very tiny eyes and finds its way about in the murky waters of its home with radar. This is an electrical field created by special tissues (the physiology of which I won't go into here). Other types of fishes also use such fields for communication but I haven't been able to find any mention as to whether or not the black ghost does.

The black ghost belongs to the family Sternarchidae, which it share with at least one (possibly 2 or 3, depending on who you want to believe) other Apteronotus sp. and Sternarchella schotti. The family is separated from all of the other knife fishes by the presence of a caudal and dorsal fin.

The black ghost was introduced to the aquarium hobby in the 1950's by Fred Cochu. He came upon the first one while on a collecting expedition. When he held it up to show it to his native assistants they panicked and fled. He later found that they believe that the black ghost harbors the spirits of their ancestors. For the complete story of this see the August 1979 issue of Freshwater and Marine Aquarium magazine, "The Discovery of the Black Ghost" by Steve Dow and Fred Cochu.

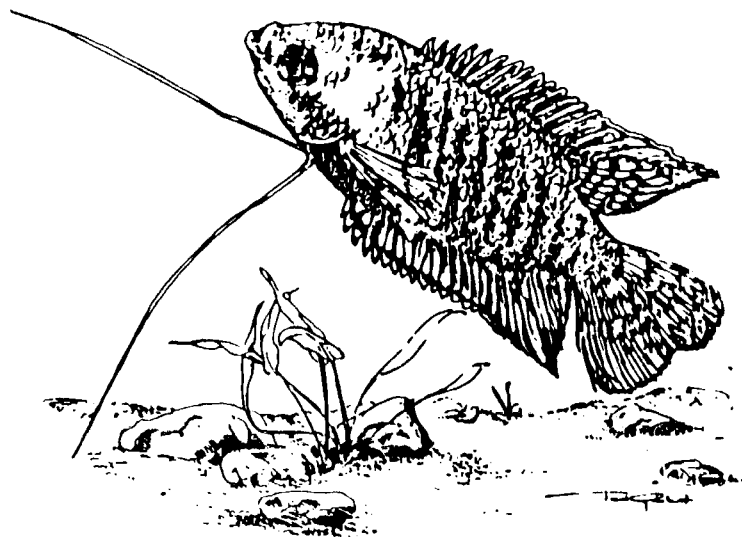
The black ghost cont.

In the wild the black ghost may reach over two feet in length. The ones commonly available in the aquarium trade are usually between 6 inches and a foot in size, usually somewhere in between. They make very good community tank residents and for the most part are very peaceful. They will, however, act aggressively towards another of their own kind. At a wholesaler or possibly even an aquarium shop you may see a number of them in the same tank. If there is a large number then no one fish will usually get picked on too much. If you try to keep two or three in the same tank though you will end up with some of them badly injured or even dead. They very seldom act aggressively towards other fishes though so you can put one in your community tank without worrying.

Soft, slightly acid water is preferred, but not a must. They are quite adaptable to different conditions. If they are distressed however, a milky white mucus will spread over the body. Return to better conditions should eliminate this.

A wide variety of foods will be accepted, although they would prefer worms (tubifex, black, or chopped earthworms) or brine shrimp. Again, this isn't a must and I have known ghosts to live for many years on only dry foods. Black ghosts have frequently been known to become tame enough to eat out of their owners hand.

So, if you want something that is bizarre, beautiful, peaceful, and fairly easy to keep (and you don't mind having a dead Indian in the house) the black ghost is the fish for you.



REPRINTS

PHILODINA, THE PERFECT FIRST FOOD, Gerry Hoffman, KITSAP AQUARIAN, Silverdale, Washington, June 1985.

ANCISTRUS LINEOLATUS, Pat Mahoney, CATALYST, American Catfish and Loach Association, May 1985.

BADIS BADIS, Joe Paull, WATER LOG, Greater Dayton Aquarium Society, Dayton, Ohio, June/July 1985.

REVIEWS

MAKING A BIG CANISTER FILTER, Alan Coltri, TANKQUILIZER, Tropical Fish Society of Rhode Island, Inc., June 1985.

CLOUDY WATER, John Mangan, TANK TALK, Sault and Area Aquarium Club, Sault Ste-Marie, Ontario, May/June 1985.

NANNAETHIOPS UNITENIATUS, Gerry Hoffman, TANKQUILIZER, Tropical Fish Society of Rhode Island, Inc., June 1985.

PTEROLEBIAS LONGIPINNIS, Gerry Hoffman, CAROLINA AQUARIST, Raleigh Aquarium Society, May-June 1985.

BETTA PICTA, Gerry Hoffman, CAROLINA AQUARIST, Raleigh Aquarium Society, May-June 1985.

CLOUDY WATER, John Mangan, SAND PAPER, Singing Sands Aquarist Society, Michigan City, IN, MAR-APR 1985.



A Cryptocoryne For Alkaline Water
by David Herlong, RAS

The first really well planted aquarium I ever saw was a 125 gallon homemade tank full of Malawi cichids! Impossible, you cry? Well, it is true, and the most remarkable plant in the tank was a species of Cryptocoryne called C. retrospiralis. The leaves of this plant could be lifted out of the top of the tank to arm's length. Ever since I saw that well planted tank, I have desired to have a tank of healthy plants.

With my interest in African rift lake cichids, I have not been able to keep plants successfully, either because of the hard, alkaline water these fishes like, or because most of the fishes I kept ate the plants as fast as I could place them in the tank. This was particularly true for Malawi cichids. I found that many of the Tanganyikan species were not consumed with the desire to eat live plants.

Species of Lamprologus, such as L. brichardi and Julidochromis, such as J. marlieri, feed on small invertebrates and seem to have no interest in eating plants but, as I mentioned above, the hard water they prefer is not conducive to many of the more attractive aquarium plants, which prefer soft, acidic water.

Well, it was while I was attending the 1980 American Cichlid Association Convention in Cleveland, OH, that I was able to visit the North Olmstead Aquarium with a group of fellow ACA members. This business, while selling fish, was primarily a series of greenhouses with numerous tanks and concrete vats crammed full of every imaginable aquatic plant! With my interest in aquatic plants, I went crazy exploring every corner of the place. After a while, it was time to leave, so I paid for my purchases (all plants) and hoped they would make it home.

One of the plants I bought was Cryptocoryne retrospiralis (labeled C. balanse). I planted it in a small clay flowerpot since the tank I was going to put it in had insufficient gravel (which was crushed coral) for it to root. The tank had some L. brichardi in it, and since I knew they would not bother the plants, I figured the plant would live or die depending on how it liked the water. After a few months, I noticed it was still alive and vigorously growing, much to my pleasure!

The plant grew out of the pot and was anchored by only the old stem, as the roots grew out of the stem above the pot and did not provide any real support. The long, narrow, curling leaves were crowding the surface of the water while the roots provided a bushy retreat for the L. brichardi fry. Eventually the stem began to give rise to two daughter plants and, after they seemed large enough to separate, I gave them their own pots. All was well and I was growing one of my favorite plants.

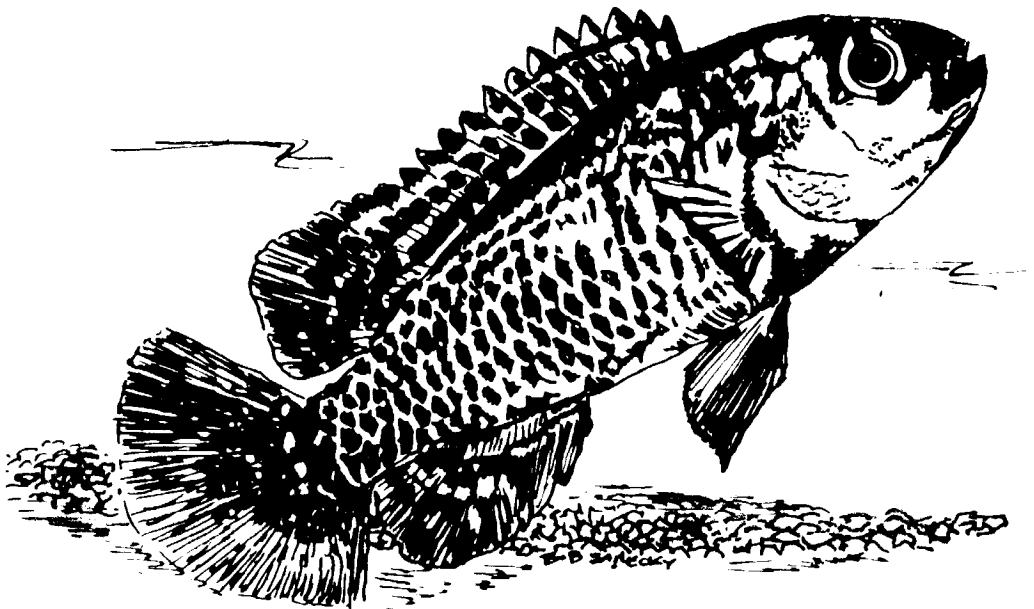
One day while looking through Aquarium Plants by Karel and Horeman (1977) published by TFH publications, I began reading about crypts. When I came to C. retrospiralis, I read that this species did not do well underwater and it was wrongly included in the aquarium literature. It went on to say "plants offered under this name in aquarium shops are usually C. tonkinensis."

C. tonkinensis, it seems, prefer a submerged life, and since they are found on limestone in nature, they were well adapted to life in my Tanganyikan tank, even though it originally comes from Vietnam. This preference for hard water also made it well adapted to the tank I first witnessed it in years earlier. The tank, while full of Malawi cichlids, always seemed to have plenty of healthy plants. The conditions must have been such that the plant could outgrow the occasional browsing by the mbuna.

Planting this plant seems only important as a way to anchor it. It eventually grows out of the planting media and thrives in the open water. This also reflects its original habitat, since limestone is not particularly penetratable by fine roots. It is well adapted to grow as a sprawling plant.

Unfortunately, my story has an unhappy ending. I moved the plants to a tank full of Pseudotropheus lanisticola that I had brought back from L. Malawi. These small mbuna live in snail shells, so I figured they wouldn't bother the tall plants. Well, while I was on an extended trip out of town, I guess the small mbuna got a big appetite and began to nibble on the tender new plant growth. The plants never seemed to recover after this and now I have only a small remnant of the once luxuriant growth. Despite my mistake, I would recommend this plant to anyone desiring to grow aquatic plants, yet keeps hard-water loving fishes. It is not an easy plant to locate at times, yet it is well worth obtaining.

(reprinted from Carolina Aquarist, Raleigh Aquarium Society)



PET STORES - A VIEW FROM THE INSIDE
by Frank Benamati, ARVAS

For the past three years or so, I've either worked in or managed a pet store. Along the way I've learned a lot about the problems of running a store. In this article, I'm going to freelance a little, hoping along the way to discuss stores in general and add some personal opinions - what you the hobbyist can expect from your local shop, and also how you can help your local shop owner.

First to eliminate one generalization. Most shop owners will never get rich running a pet store. Unless the shop is in a big volume area, and I mean Buffalo, Rochester, or similar areas, or he is the only shop in town, there is not a fortune to be made owning a store. Don't expect your local "Mom & Pop" store to be able to match big city stores or mail order firm prices. He simply can't and survive. Just his rent and electric bills alone would surprise you. The best way to get a break if you're a regular customer is to special order large quantities at a time. Most shop owners will give regulars a break on orders like that. Usually, most stores in a given area work in the same ballpark as far as pricing is concerned. If an owner really tries to get greedy, he is usually not around too long.

One of the things I would consider if I were looking for a regular store to purchase from (as long as pricing was what I considered to be fair) would be the knowledge and ability of the owner, along with the amount and condition of his tanks and livestock. Unfortunately, I've seen a few shop owners who don't know as much as they should. A short talk will give you a pretty good idea of his knowledge and ability. This is important in the long run because sooner or later you're going to have a problem, and he is the one you'll turn to. Almost as important is the quality of his tanks as well as the quantity. Just looking at his tanks will give you a good idea of his abilities and/or his priorities. To me, the number of tanks is very important. A good store needs at least 30 tanks just for the bread and butter fish. I worked in a store with this number of tanks and it was difficult at best. I myself would consider 50 tanks a minimum, with 80 to 100 as being ideal. The more the better. Other but less important would be: "Are live plants kept by themselves or in with fish?", and "Does the shop have a hospital tank where sick fish are taken or are they scattered all over the store?"

One thing on the livestock itself. No matter how good the shop, there will be some sick fish. A good owner will refuse to sell you one, especially if he knows and you don't. I've actually had people dumb enough to walk out on me when I refused to sell them a fish. If they would have come back the next morning they would have seen why. Believe me, if the owner or shop worker refuses a sale, he's doing you a big favor and he's my kind of owner.

It's also important to realize the difference between sick fish that are the shop owner's fault through neglect, and sick fish which he had no control over. Many times the owner has no control over the condition of his shipment. However, if the shipment is consistently good, and within a week it continually goes downhill, it's time to find a new shop.

There is one general rule of thumb on livestock. The further away from the wholesaler the shop is, the lower the quality of fish he is apt to get. I really feel sorry for a shop owner who has to buy all of his fish over the telephone. As a hobbyist, I wouldn't like to buy my fish over the phone unless it was from someone I absolutely trusted. To me, if the wholesaler is within an hour or so of the store, it is well worth the ride to go once a week to buy fish. It will make a drastic increase in the overall quality of the stock, will reduce medication costs, generally will increase the variety of fish, lessens the DOA rate to next to nothing, and will increase sales. Enough said.

As far as dry goods are concerned, there are so many products on the market today, that all shop owners (no matter how big or small) have to make decisions on what to carry. Most will carry either two or three lines in each category. Usually, and I'm included in this, an owner will carry what he's familiar with and/or what he personally uses and trusts. Only a fool would not special order or even stock what you want, especially if you're a regular. Be sure to let him know and don't burn him by not buying it when it is in.

And now, a few pointers by which you, the hobbyist, can learn from and at the same time help your shop owner.

Find out when his deliveries are made. Say he gets his delivery on Thursday. Any special orders or requests should be made by Tuesday. Give him the courtesy of two days notice so he won't have to make any last minute arrangements to accomodate you. And if he asks for a deposit, give it to him. He has to pay for his merchandise up front. If he has been burned enough times, he may require the deposit just to cover himself. It only takes a few bad hobbyists to make life tougher on the rest of us. Pick up your special order as soon as possible after delivery, especially if no deposit was required. As I said before, the owner has to pay up front, and if he is on a real tight cash flow, don't make it financially difficult for him to bring in your order.

Although the best livestock selection is on the day of delivery, the best day to buy is the day after. It gives the fish 24 hours to settle in, and most problems are evident after this period of time. I've seen some great looking specimens become casualties the next morning. And remember, the longer in transit (time in the bag), the higher the casualty rate will be.

Know when to ask your owner questions. Don't go into a store on a Saturday afternoon and expect the owner to spend an hour answering your questions. Picking a slower period will get you more answers and a more helpful owner. Generally Tuesdays and Wednesdays are pretty good days for an owner to be able to spend time with you, but check with him as to when it would be best, as these days can vary from shop to shop.

I always caught fish for customers as if I were taking them home myself, but not all are like me. I don't consider it out of line to be asked to catch a certain fish in most cases. But don't ask anyone to catch you a particular

zebra danio, kuhli loach, or similar super fast schooling fish, because it's next to impossible in a tank of 50 to 100 of these guys, no matter how good you are with a net. And if you want a pair and the fish are sexable, that's also a fair request that should be no problem. If the owner lets you catch your own fish, consider it a compliment, as this means he trusts you. Never do it without his permission.

Assuming you've decided the owner is a good one, follow his advice. A good many are hobbyists who know their stuff. If you're not sure what product to buy, ask his advice. Or better yet, ask him what he uses. I know I only use what I like and feel comfortable with, and it's only smart for him to use his past experience in making these decisions.

If you are a novice breeder - yes, most stores will buy livestock from customers, but please follow this advice. Looking at your fish, ask yourself "Would I buy these fish if I saw them in a store?" If the answer is "Yes", then you can probably make a deal. Take down a few to show the owner to be sure he wants them before emptying your tank. Don't expect to get full retail for them. Remember, he is buying them from you rather than his regular supplier, and will probably pay you the same as he normally would a supplier, and that is ALL that you should expect.

Hopefully this article will help you to understand shops a little better, and ultimately make you a better hobbyist and a better customer for your shop owner. And maybe, it may even make your shop owner a better shop owner.

(reprinted from Aquatic Digest, Alleghany River Aquarium Society)



Trading Post

All trading post ads should be sent to Delta Tale C/O John Mangan, 9770 Oleander Ave. Vienna, Va 22180 by the 20th of the month prior to publication.

Fish Room Sale: SASE for listing of tanks, equipment, and fish.
Chris Bergesen, 5116 Lawton Dr. Bethesda. Md 20816. ph. 229-6043

Wanted: Used aquaria and equipment. Call George White. 524-3785 evenings, or see me at the next PVAS meeting.

Q+A

Anyone having any questions on any fish related topics can send them to Delta Tale c/o John Mangan, 9770 Oleander Ave, Vienna VA 22180.

(101) 694 9664
(101) 831 6868

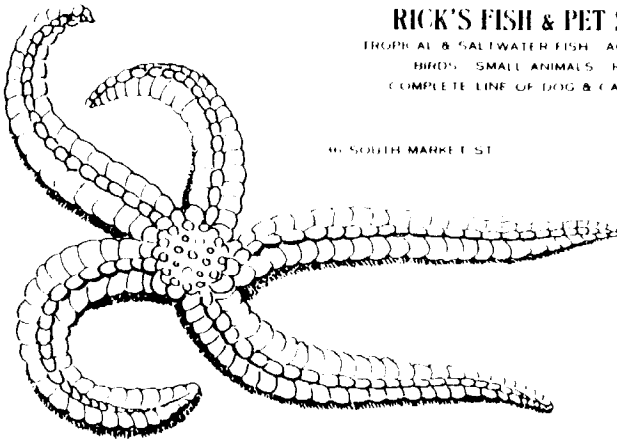
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SUN 125

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BIRDS SMALL ANIMALS REPTILES
COMPLETE LINE OF DOG & CAT SUPPLIES

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POWL SHOW REPORT FOR

July

CICHLIDS

EGGLAYERS/LIVEBEARERS

New World Medium

Guppies

1stD. Sun
2nd
3rd

1stB. Pallansch
2ndJ. Lamberth
3rdJ. Lamberth

Haplochromis

Barbs

1stD. Sun
2nd
3rd

1stJ. Metzger
2ndJ. Metzger
3rdB. Pallansch

Open

Open

1stJ. Kooken
2ndJ. Kooken
3rdJ. Lamberth

1stJ. Metzger
2ndJ. Metzger
3rdB. Pallansch

Judges choice-J. Metzger-Rasbora pauciperforata

	<u>MONTH QUARTER ANNUAL</u>			<u>MONTH QUARTER ANNUAL</u>			
D. Sun	14	14	72	J. Metzger	21	21	79
J. Kooken	10	10	23	J. Lamberth	7	7	64
J. Lamberth	3	3	23	B. Pallansch	12	12	41
J. Long	0	0	13	G. Hoffman	0	0	25
A. Stirman	0	0	16	N. Manwaring	0	0	16
A. Hill	0	0	4	B. Roser	0	0	12
D. Mann	0	0	2	D. Sun	0	0	9
				J. Kooken	0	0	7
				A. Hill	0	0	6
				D. Mann	0	0	5
				J. Long	0	0	4
				A. Stirman	0	0	3
				C. Abbas	0	0	4

Next Month

Cichlids

New World dwarf
Riftlake(Non Mbuna)
Open

Egglayer/Livebearer

Killifish
Catfish-Non Corydoras
Open

BREEDER'S AWARD PROGRAM

Garland Neese	1,040	++++
Gerry Hoffman	895	++++
Pat and Maggi Mahoney	745	++++
Darrell Holman	640	++++
Woody Griffin	610	++++
John Jessup	585	+++++
Ruth Brewer	305	+++
Roser Family	210	++
Wagner Family	165	++
Frank Angilletta	140	+
Alex Cummins	125	+
Nathan Manwaring	100	+
Amy Stirman	50	+
Pat Gore	10	
John Mangan	10	
Ray Krause	10	

CHECKERS

Alex Cummins	-	656-6355
Ray Hughes	-	424-3531
Pat Gore	-	522-3884
Jerry Stirman	-	941-6729
Frank Angilletta	-	670-8980
Kenny Warren	-	378-8838
Jim Long	-	280-1753



"AGE OF AQUARIUMS—85"

SOUTHWESTERN MICHIGAN AQUARIUM SOCIETY'S

SIXTH ANNUAL TROPICAL FISH SHOW & AUCTION

AUGUST 16-18

AT WESTMAIN MALL IN KALAMAZOO

OPEN TO ALL HOBBYISTS—BEGINNER & ADVANCED

★ ★ 53 CLASS ★ ★
★ ALL-SPECIES SHOW ★

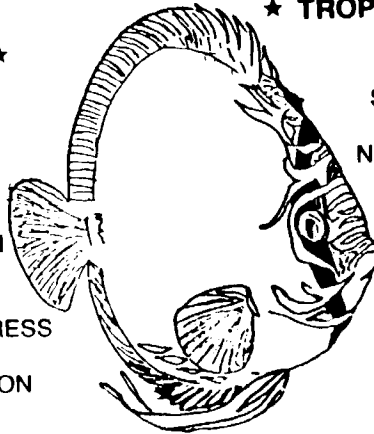
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ASSOCIATION

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AQUARIUM SOCIETIES

INTERNATIONAL BETTA CONGRESS

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★ TROPICAL FISH WORKSHOP ★
TOPICS

SHARKS & LOACHES

NEW WORLD CICHLIDS

PHOTOGRAPHY

LIVEBEARERS

KILLIFISH

AMERICAN LIVEBEARER ASSOCIATION CONVENTION

★ ★ ★ LARGE AUCTION PLUS MUCH MORE ★ ★ ★

FOR MORE INFORMATION, CONTACT:

TERRY RIEGLER
5801 E. MAIN
KALAMAZOO, MI 49004
PHONE (616) 382-1452

...OR...

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KALAMAZOO, MI 49004
PHONE (616) 345-1746

POTOMAC VALLEY AQUARIUM SOCIETY, inc.



POST OFFICE BOX 6219 SHIRLINGTON STATION ARLINGTON, VIRGINIA 22206

APPLICATION FOR MEMBERSHIP

DATE _____ 19__

NAME _____

STREET _____

CITY _____ STATE _____ ZIP _____

TELEPHONE CONTACTS H _____ B _____

Number of tanks _____ Time in hobby _____

Fish you have spawned _____

What can this club do for you _____

What do you want to do for the club _____

Which sub-groups of fish interest you _____

How long do you plan to be in this area? _____

Occupation _____

Membership dues for the Potomac Valley Aquarium Society are:

Family	\$12.00	Corresponding	\$7.00
Individual	\$10.00	Junior (under 18)	\$5.00

Please send application and check for dues to address above.

Potomac Valley Aquarium Society
P.O. Box 6219 Shirlington Station
Arlington, Virginia 22206

Potomac Valley Aquarium Society Meets on the Following Dates in 1985

Jan. 14	May 13	Sept. 9
Feb. 11	June 10	Oct. 14
March 11	July 8	Nov. 11
April 8	Aug. 12	Dec. 9

Meetings are held at the John D. Wood Facility, Rt. 237 (Old Lee Hwy.)
Fairfax City. Everyone is welcome.

Meetings start at 8:00 p.m.
Doors open at 7:30