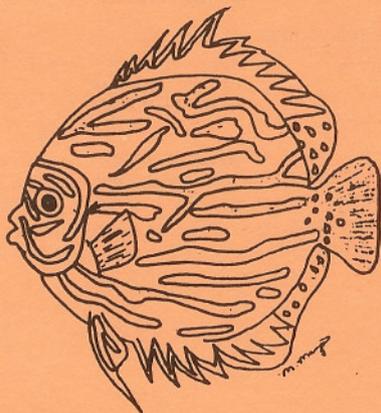
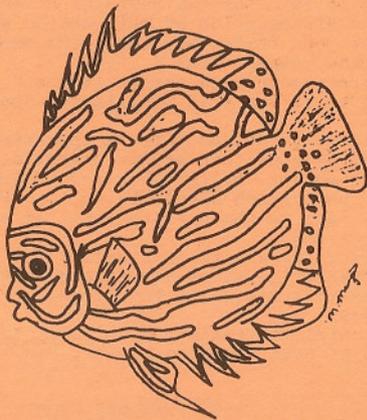


# \* DELTA TALE \*

Sept./Oct.  
1993

OFFICIAL PUBLICATION OF

potomac valley aquarium society



The Delta Tale is published bimonthly for the benefit of the membership of the Potomac Valley Aquarium Society Inc., a non-profit educational and social organization. The society was founded in 1960 for the purposes of furthering the aquarium hobby by the dissemination of information and advice, and the promotion of good fellowship among the membership by organized activities and competitions.

All correspondence to the society and to Delta Tale should be directed to PO Box 6219 Shirlington Station, Arlington, VA 22206.

Original articles and artwork appearing in Delta Tale may be reprinted by other non-profit organizations if credit is given to the author, Delta Tale, and PVAS. Two copies of the reprinting publication should be sent to PVAS. Please include the authors name on the mailing label of one copy so that it will be forwarded.

PVAS disclaims any responsibility for the content or availability of merchandise or services advertised in Delta Tale. Customer satisfaction is a matter to be worked out between the advertiser and the buyer.

All material for inclusion in Delta Tale must reach the editor by the 10th of even numbered months, Feb. April, etc.

#### 1993 PVAS OFFICERS

|                         |                  |
|-------------------------|------------------|
| President               | Beverle Sweitzer |
| Vice President          | Alex Townsend    |
| Treasurer               | Rich Blumberg    |
| Corresponding Secretary | Mark Kaprow      |
| Recording Secretary     | Julie Spall      |

#### 1993 BOARD OF GOVERNORS

|            |              |
|------------|--------------|
| Tony Fitz  | Pete Thrift  |
| Ray Hughes | Kenny Warren |

#### 1993 COMMITTEE HEADS

|                        |               |
|------------------------|---------------|
| Breeders Award Program | John Jessup   |
| Library                | Brian Groover |
| Membership             | Gene Aldridge |
| Bowl Shows             |               |
| Programs               |               |
| Ways and Means         | Pete Thrift   |
| Delta Tale             | John Mangan   |

Printed by Top Cat Printing

Lots of stuff going on in PVAS over the next couple of months. In mid-October there's the PVAS Fall Workshop/Banquet/Auction weekend: a great lineup of speakers for the workshop Charlie Grimes is one of the best speakers around, very entertaining; Sallie Boggs will tell you how to breed stuff most people are lucky to keep alive; Jack Watley can tell you anything you could possibly want to know about Discus; and Mike Trzonkowski will teach you how to keep your plants alive. Charlie Grimes will also be the banquet speaker. There is no charge for PVAS members to attend the workshop this year, so you have no excuse for not coming.



This is a great line-up of speakers and not to be missed. If this isn't enough for one weekend we will also have one of our always great auctions on Sunday. Complete details and registration forms can be found in this issue if you haven't already received them. We are also trying something new this year. On Friday Oct 15 we will be holding a FREE beginners workshop. If you know anyone just starting a fresh or saltwater tank, or even if you've had fish for awhile, this is an opportunity to pick up some valuable information that will help you be more successful. There will be two separate talks, one on freshwater and one on saltwater.

November is PVAS election month. Elections will be held for President, Vice President, Treasurer, Corresponding Secretary, Recording Secretary, and two board seats. None of these positions require any previous experience. Don't feel that you haven't been a member long enough to run. We need to get some new people involved in running things before all of us oldtimers start burning out. For more info on any of these positions or on how to run see any current officer or me and we will be more than glad to help you.

If that's not enough in a row for you- December is our annual Christmas dinner meeting. More on that in the next issue.

Don't forget to call our hotline to get the latest info on what else is going on. (703) 352-3365.

I've made it almost all the way to the end of the page without saying anything, mean, sarcastic, or totally off-the-wall. Aren't you proud of me? I'm trying to behave and make a good impression on any new people that are seeing Delta Tale for the first time at our workshop etc. I'd better stop now though before my willpower gives out.

Until next time...

*Jack*



PVAS members may place ads in the trading post at no charge.  
Contact John Mangan, 9770 Oleander Ave. Vienna VA, 22031.  
Deadline for the next issue is Nov. 8.

For sale, trade or free (depending on item and mood):

55 gal tank, hood, w/g plate, quality wood cabinet;  
two 8" distichodus sexfasciatus (OK with other species, but can't be kept in same tank with each other); one green severum (pan size); assorted young Dempseys, herotilapia multispinosa (orange strain). Contact Robert McManus, (301)365-4926 (Bethesda).



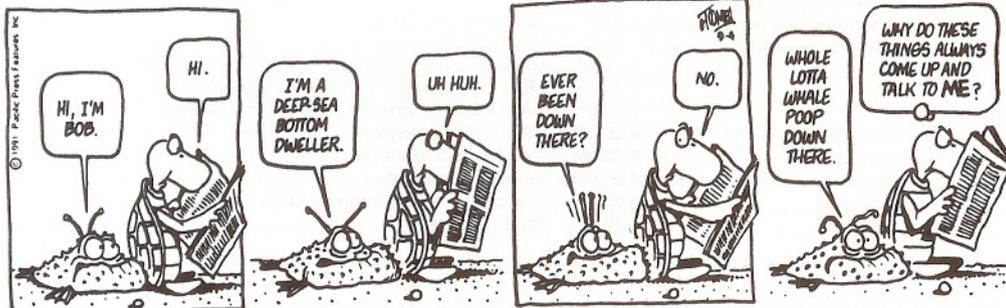
"All right! Rusty's in the club!"

Don't let Gene talk you into trying this. All you really have to do to join PVAS is to fill out the application on page 21 and send him a check.

## What's Happening!

For up-to-the-minute information on what's happening call the PVAS Hotline (703) 352-3365.

- Sept. 13: PVAS Monthly Meeting. Speaker- John Mangan on "Fishes of Australia". Raffles, door prize, mini-auction etc.
- Oct. 15 : PVAS Beigneers Workshops. These seminars are designed to help the novice aquarist get started successfully in fresh and saltwater aquarium keeping. There is no charge and everyone is welcome and encouraged to come. See the following page for more details.
- Oct. 16 : PVAS Fall Workshop. Speakers will include Jack Wattle, Sally Boggs, Charlie Grimes, Mike Trzonkowski and more. The workshop is FREE to PVAS members \$15 for non-members. See next pages for details and registration form. Any one of these speakers alone would be worth coming to see. Don't miss this chance.
- Oct. 16: PVAS Fall Banquet w/Speaker Charlie Grimes. \$20 for members or non-members. Advance registration required. see following pages for details and registration form.
- Oct. 17 : PVAS Fall Auction. Huge selection of fishes and supplies will be auctioned. Anyone may buy or sell. No admission charge. See following pages for complete details.
- Oct. 18 : PVAS Monthly Meeting: speaker (TBA), Raffles, Door Prize, Mini-auction. PLEASE NOTE THE DATE. The oct. meeting takes place on the third monday of the month instead of the second as usual. Our meeting place is closed on the second monday due to Columbus Day. Doors open at 7:30, meeting starts at 8:00. Everyone is welcome.
- Nov. 8 : PVAS Monthly Meeting. In addition to all the usual stuff- program, etc.- this is our election meeting. Anyone interested in running for an office contact any current officer and they can tell you what to do.



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Join PVAS. Make new friends.

# The Potomac Valley Aquarium Society

## FALL WORKSHOP & AUCTION

Friday, Saturday and Sunday

### Oct. 15, 16 & 17

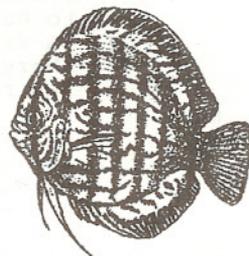
Featuring an outstanding slate of internationally known speakers

**Jack Wattley** - 'Discus'

**Sally Boggs** - 'Breeding Catfish and Loaches'

**Charlie Grimes** - 'Fish Collecting in South America'

**Mike Trzonkowski** - 'The Beauty of Plants'  
and more!!



The workshop and auction will be held at the Howard Johnson Motor Lodge, 5821 Richmond Highway, Alexandria, Va. (Route 1 just south of the Beltway). For lodging information, please contact the hotel at 703-329-1400. Rates are \$50 a night for up to four people. (Mention PVAS.)

A seminar on beginning fish keeping will be held Friday evening. The featured speakers will give presentations at different times throughout the day Saturday and a banquet will be held Saturday night. The auction will be held on Sunday.

The event is **FREE** for all **PVAS members**. Non-members..\$10 for advanced registration before October 8, \$15 after this date. Banquet tickets, which must be purchased in advance, are \$20 for both members and non-members. (Registration form on back.)

### WORKSHOP SCHEDULE

#### Friday, October 15

- 7 pm.....Workshop opens.
- 7:30 pm.....Free seminar for the beginning freshwater aquarist.
- 8:30 pm.....Free seminar for the beginning saltwater aquarist.

#### Sunday, October 17

- 9 am.....Auction registration opens.
- 11 am..... **Auction begins.**
- 6 pm.....Approximate time for end of auction.

#### Saturday, October 16

- 9 am.....Registration desk opens for workshop late registration.
- 10 am.....**Jack Wattley** - "Development of the 'Panda' Discus and a Visit to Surinam."
- 11 am.....**Sally Boggs** - "Oddballs."
- Noon..... *Lunch break.*
- 1:15 pm.....**Charlie Grimes** - "Fish Collecting in South America"
- 2:30 pm.....**Mike Trzonkowski** - "The Beauty of Plants."
- 3:30 pm.....**Sally Boggs** - "Breeding Catfish and Loaches."
- 4:30 pm.....TBA - Cichlid program.
- 6:30 pm.....Cocktail hour. (Cash bar)
- 7:30 pm.....Workshop banquet.
- 8:30 pm.....Banquet speaker **Charlie Grimes**.
- 10 pm.....Workshop adjourns.

For more information please contact **Rick McKay** at 703-281-1647.



### PVAS FALL WORKSHOP REGISTRATION FORM

Please check appropriate boxes

#### WORKSHOP:

Member (Free!)

Non-member-\$10 before 10/8/93,

#### BANQUET:

\$20 (members and non-members)

(choose one entree)  Chicken  Beef

15 after 10/8/93

NAME \_\_\_\_\_

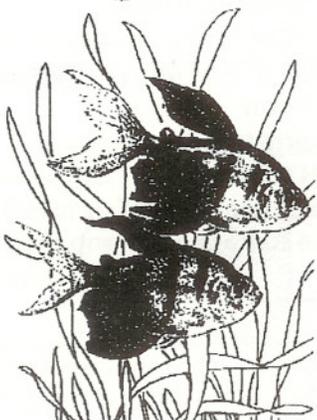
ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

RETURN ASAP TO: Rick McKay/PVAS Workshop  
9713 Bunchberry Place  
Vienna, VA. 22181



Potomac Valley Aquarium Society  
PO Box 6219 Shirlington Station,  
Arlington, Va. 22206

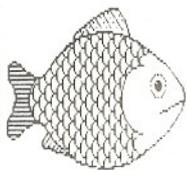


**Fall Workshop and Auction-Oct. 15th - 17th.  
Register today! Time is short!!**

Friday evening October 15, beginning at 7:30, PVAS will hold beginners workshops for those just getting started in the hobby. On Saturday October 16, beginning at 10 am, we will present an outstanding slate of speakers who will hold seminars on a wide variety of topics. Jack Wattle, the foremost expert on keeping and breeding discus, will show slides and talk about these regal fish. He will tell us how he developed the new 'Panda' discus and will also talk about his recent fish-related trips to Surinam. Sally Boggs, an expert in many areas of fish keeping, will fill us in on how to breed catfish and loaches. She will also show slides of some new loaches found in China. Mike Trzonkowski, the 'Plant Baron', will show us the beauty of live aquatic plants and tell us how to get them to flourish in our tanks. Aquarist extraordinaire Charlie Grimes, who will have just returned from a fish collecting trip to South American, will present a program about his journey. Saturday night there will be a banquet and a program featuring Mr. Grimes, who has been called "the most entertaining aquarium speaker available today." Admission to the workshops will be free for those who are Potomac Valley Aquarium Society members by October 8, \$10 before October 8 to non-members and \$15 for non-members after October 8. Tickets for Saturday evening's banquet and lecture are \$20 for both members and non-members and must be purchased in advance. (Registration form above.) There is no admission fee to attend the auction on Sunday. Call the PVAS HOT LINE for up-to-date information at 703-352-3365.

SUNDAY OCTOBER 17, 1993

**THE POTOMAC VALLEY AQUARIUM SOCIETY**



# AUCTION!



## *Tropical Fish and Equipment*

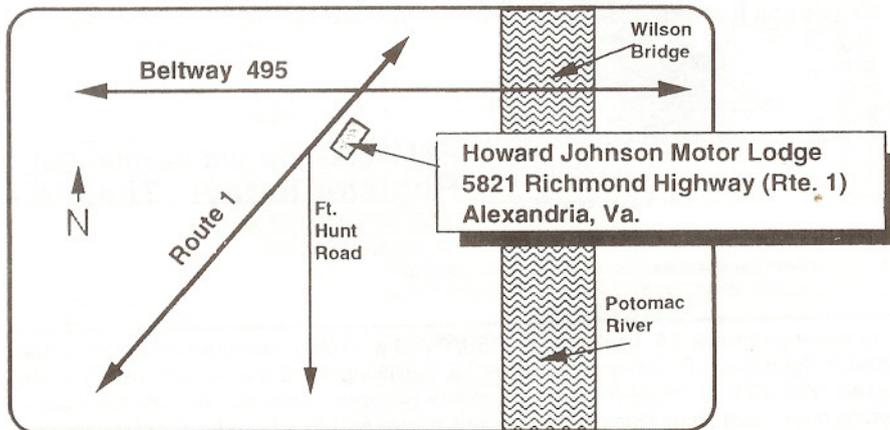
at the HOWARD JOHNSON HOTEL, 5821 Richmond Highway,  
Alexandria, Va. (*Route 1 at the Beltway*).

*A great opportunity to buy-sell fish, plants, aquariums, books, equipment and supplies!*

**WE WILL ALSO HOLD A RAFFLE FOR NEW EQUIPMENT AND SUPPLIES!**

Registration 9 am - 12 noon

*The auction will begin at 11 am!*



**DIRECTIONS:**

The Howard Johnson's is located on the east side of Route 1 just south of the Capital Beltway (495) and north of Fort Hunt Road. Exit the Beltway onto Route 1 south. Since the HoJo's is located on the other side of the divided highway, follow the signs for Fort Hunt Road, then turn back onto Route 1 heading north. This will put you in front of the Hotel.

## **PVAS AUCTION**

### **RULES FOR THE SELLER:**

1. You do not have to be a PVAS member to buy or sell hobby-related items, including fish, plants, equipment, etc. in the auction.

2. Registration of items for sale will begin at 9 AM and will end promptly at 12:30 PM on Sunday, 23 May.

3. All items must be labeled with the identity of their contents, to include number, sex (if possible), and other pertinent data. Use a permanent marking pen and adhesive label. Labeling equipment will be available at the auction, but labeling must be accomplished before the items will be registered.

a. Fish: 'Pair' means one of each sex. 'Mated Pair' means a pair that have spawned WITH EACH OTHER. 'Trio' means one male and two females. 'Reverse Trio' means two males and one female. 'Mixed Sexes' means at least one specimen of each sex. If you are uncertain, label the bag 'Unsexed'.

b. Supplies: All aquarium equipment MUST be labeled as to working condition or missing parts. PVAS reserves the right to reject any equipment judged to be unsuitable for auction.

4. Proper fish bags must be used. Live items must be bagged with ample air and water. Fish packed in "baggies" or similar bags will not be registered. If a fish is registered in a bucket, tank, or bowl, the container will be considered part of the item and will be auctioned as a unit. There will be a supply of fish bags for sale at the registration desk. After registration, the Auction Committee reserves the right to re-bag any item as is necessary.

5. Registration is limited to fifteen (15) items per person.

6. A limit of five (5) bags per species or color form/variety is allowed,

unless prior approval is obtained from the Auction Chairman.

7. Each item label will have a colored dot affixed to it to govern when the item will be auctioned. Those items with a red dot will be auctioned first. Each seller is entitled to one red dot for each four items registered. The auction order for the other colors (blue, green, yellow) is announced at the start of the auction.

8. Bags will be offered 'as is' and will be sold as one item. Once registered, the contents of a bag may not be split.

9. Each item carries a \$1.00 minimum, unless the seller assigns a higher minimum. The seller may lower the minimum on an item that does not sell during the auction.

10. No payment will be made to the seller on the day of the auction. Payment will be forwarded by mail within ten days after the auction date. It is the seller's responsibility to give PVAS a proper name and address to receive payment. Envelopes for this purpose will be filled out during registration.

11. The seller receives two-thirds of the selling price. PVAS retains one-third.

12. All items not sold must be claimed at the close of the auction, or they will be disposed of at the discretion of the Auction Chairman.

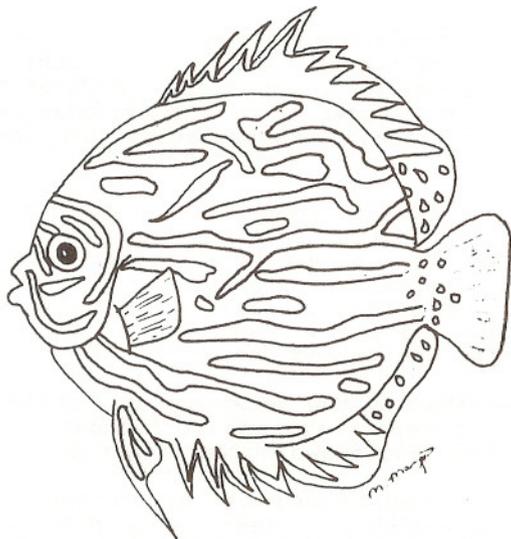
13. The auctioneer retains the right to set aside any improperly bagged or marked item, or any sick or otherwise unsaleable item.

14. Fish species that are restricted by either federal or state statues will not be accepted. These include, but are not limited to: piranhas, Texas cichlids, and walking catfish.

#### RULES FOR THE BIDDER

1. All persons wishing to participate in bidding are required to register with their full name and address. Bidding numbers will be assigned to all buyers.

2. Items may be inspected only before the auction and during the intermissions.
3. All bidding raises will be in one dollar (\$1.00) increments. The auctioneer has the right to alter this procedure at his discretion.
4. Successful bidders will have their items brought to them, at which time payment is expected. An authorized bidder may run a tab, or pay by check. Please see the Treasurer before the auction. Proper identification will be required in these instances.
5. All sales are final.
6. In all cases, the decision of the auctioneer is final.



Submitted by Bob & Pat Andersen,

November 1992.

Spawning Black Angels, *Pterophyllum Scalare*  
A Breeding Report by Pat Andersen

This story begins at the PVAS Fish Auction of October 13, 1991, with the purchase of two bags of nickel sized angels - one bag of 3 was labeled "Enhanced with gold - but probably do not carry the stripeless gene", and a bag of 5 labeled, "with gold, for enhancement of black and hybrid vigor, and a dose of stripeless." The card on the bags identified the breeder as John Melograna of Mellow Aquatics.

The black angels were reared in a well planted 55 gallon community tank, including three gold angels, numerous zebra danios and three corydoras. In March, 6 clown loaches were added to the community tank, which has both an undergravel filter, and a Aqua Clear outside filter, and a heater to maintain a fairly constant 80 deg. temperature.

"The group" survived the May auction intact, despite their increasing contentiousness. One black angel suffered an eye injury in these fights and was removed to a private 10 gallon tank- his eye bulged out so far at first, that it seemed that he might lose it, and although it's appearance is now normal, he appears to be blind in that eye.

On June 7th we brought in three of the grown angels to the Fish Factory for store credit, one of the blacks, a gold, and a gold marble, that seemed to be involved in more of the fights than the others. These fish seemed to be the odd ones out, among pairs of other angels, that looked like teenagers going steady, swimming side by side.

On Friday, June 12th, at the a.m. feeding, I discovered a pair of black angels guarding eggs on a Radican Sword Plant in the far left side of the tank, and attacking any other fish that came near, including the fast swimming, perpetually spawning zebra danios. On Saturday, I put up a tank divider in the 55. The parents were observed moving their eggs to another leaf that afternoon, leaving behind any eggs that had turned white.

Still very excited by the spawning, on Tuesday, June 16th, I called Ray Hughes to report it, and to request information about club breeding points, and spawning verification.

The entry in our fish record book on Thursday June 18th reads: "6 a.m. Fry are swimming off leaf, many near bottom of tank. Siphoned off about half of the fry and poured into the available empty 29 gallon tank - left remainder in the divided community tank with their parents. Fed the fry microworms and went to work. 6:30 p.m. Home. Fed the fry in the 29 - they are alive but staying on bottom of tank. Fry with parents were being herded around plant. Moved parents and remaining fry to 29 gallon tank. Parents seemed

to encourage young fry on bottom to get up. Also moved "their plant" and put it in plastic cup with gravel from 55. No gravel in 29, only a sponge filter and a heater. I felt some concern seeing many of the fry being picked up in the parents mouths, but after a short while they would spit them back out, and back onto their plant. The fry look a lot like a swarm of sand fleas."

On Saturday, June 20th, another pair of angels seemed to be cleaning off the sword plant I had moved into the far left corner to replace the one removed to the breeders' tank. Their breeding tubes were down, and contrary to what I'd heard, the larger tube was on the smaller fish. They spawned in the afternoon, so that evening the divider went up in the community tank again. While I was doing so the male of this pair became very aggressive, attacking my arm repeatedly while I was trying to secure the divider, and rearrange the aquascaping.

The next day, Sunday, I noticed that the male's lower lip was white, possibly injured, and I became concerned about fungus. I went to another of our advertising fish shops, Montgomery Aquariums, and talked to their angel fish breeders (at this shop I had previously seen mated pairs & their "too young to sell" angel fish fry). I was advised not to worry, but told that I could use Maroxy if it would make me feel better. I bought some & dosed the 55 gal tank with 2 1/2 tsp. (1/2 tsp. per 10 gal is recommended dosage).

We fed the fry 3-4 times a day, alternating newly hatched brine shrimp & microworms, trying to work feedings in around our work and commuting schedule, feeding them at 6am, 5:30pm, 8pm, and a noon day feeding whenever either of us was home. The first pair had about 120 eggs, and 60 or so fry. The 2nd pair had fewer eggs, of which most turned white. By Tuesday evening, I could count 30 eggs (which they had moved to another leaf), being tended by the parents. And then the third pair spawned. Right in the middle of the remaining 3/4 of the community tank. The remaining un-mated three angels in the 55 were cowering in the back of the tank. The newest spawn appeared to be the largest so far, and again it appeared that the smaller fish of the pair was the female.

By Wednesday 6 a.m. the 3rd spawn was gone - apparently the way of a midnight caviar snack. On Thursday, June 25th, Ray Hughes came over to verify the spawning of the first parents, whose fry were free swimming 7 days today. On Friday we set up a new 16 gallon tank for Pair II. By Saturday they were free swimming and moving day for fry and parents ensued. By 7:30 p.m. the parents of Spawn II had put all their fry to bed on their transplanted plant in their new tank. (Water from the 55, sponge filter & heater to 80 degrees, no gravel).

Monday, June 29th, in the 55, the 3rd black pair are extremely aggressive, relegating the remaining angels to the opposite corner of the tank behind the filter tube! Tuesday, June 30th, 6 a.m., put the divider back in the 55. The 3rd pair have their breeding tubes down, and are cleaning off a new sword plant in the far left hand

tank corner. 6 p.m. - I would estimate the pair laid over 300 eggs today. The largest spawn I've seen yet, and only 7 days after their first attempt, mid-tank. Thursday, July 1, I counted nearly 100 white eggs. On 7/2, they appeared to be about 100 viable eggs left. Parents moved them to an Anubias leaf this morning. By evening they had moved them back to another Radican sword leaf. By the time this spawn was free-swimming on July 7, their parents had moved them seven times - they couldn't seem to decide on a leaf to stay on!

July 9th, "Did partial water change (weekly routine), and siphoned out a young one - parents seemed to become very agitated attacking me and the siphon. Recovered the fry in a plastic cup and returned to tank, "mama" nearly bit the cup! About 1/3 of these angels are showing a marble pattern and many also show the blush trait.

Crisis I, July 17th. The Crisis began, when I noticed that Spawn I parents acted stressed. Checked the ammonia level, and the test strip was bright pink. Did partial water change, added ammo chips and Cycle (R) sample received at a PVAS meeting. Installed Whisper filter (with nylon filter bag secured over intake) and began daily 10-20% water changes. Ammonia nil on test tablet but nitrites & nitrates both high, and remained high through Tuesday, July 28th, when it still registered a light pink reading - the lightest reading in 10 days. However none of the fry seemed as upset as I was.

On July 25th, Pair III attempted to spawn again, in spite of the presence of active growing fry in tank with them. The eggs in this spawn fungused and were eaten.

Crisis II, began July 28th. 2 fry were dead in the tank of Spawn II parents. Checked ammonia/nitrate strip, positive - a bright pink. Did 30% water change using 1/2 seasoned water from the 55 gallon tank. Also added 1 tsp. Marplex ammonia remover. On July 29th, Pair II had their breeding tubes down, and presented us with another clutch of eggs in their tank along with the fry. On July 30th, another dead fry, and approx. 100 eggs appearing mostly viable along with about 25 fry from their 1st spawning. That p.m. Fry appear very stressed, most are at top of tank and seem to have difficulty breathing, 2 or 3 fry are dead/dying at bottom. Low ammonia/nitrate reading. Infectious agent from 55? But community tank appears healthy. Set up 10 gallon tank & moved fry. Put sponge filter from 29 into the 10. (The 29 has the whisper set up, now 10 days old & negative nitrate/ammonia, all apparently healthy). Added additional airstone to 16 gallon tank. Friday 7/31, all but 2 of the fry dead in the 10 gallon tank. Female fish of Spawn II, appears to be covered with white film - "peeling" - looks like The Manual of Fish Health book picture of Velvet (Oodinium). Male also seems lightly affected. Treated tank with Aquatronics "Super Fungus" blend containing salt, sulfates & malachite green. Sat., 8/1. All fry from Spawn II now dead, parents not eating. Sun., 8/2, female died. Male still not

eating. Still has white film covering, but does not appear as badly affected as female. No appetite though for several more days. On Saturday, 8/8, male accepted live brine shrimp, purchased from Tropical Fish World, Gaithersburg. First food accepted since female's death.

On Monday, August 10th, John Melograna spoke at PVAS meeting touching on Angelfish genetics. Spoke with him after the meeting and a week later on the phone to determine genotypes of the 3 pairs of breeding angel fish from the eight I originally purchased.

The first pair have produced approximately 1/3 marble angels, of which about 1/4 are blushing or koi. The remaining are black, with a few "blushers." Blushing or Koi fish carry 2 doses of stripeless, one from each parent. It is a recessive gene and neither parent expresses this, but in black blushers, their red color is replaced as they age. The young are lighter in their bodies and have red cheeks - gill coverings. From the fry, it can be shown that these parents both carry the same genotype: Black/Gold Marble, since gold marble is also recessive and requires 2 doses to express; and stripeless (blushing)/wild type (not stripeless). The reason there are more gold marbles than the expected 1/4 or 25% is that the black/black genotype is less hardy than the others. and do not survive in expected numbers.

The second pair, the female and spawn of which died off, had only 3 gold angels, and the remaining black fry. The smallest of the spawns, with no blushing trait noted. It appears that this may have been a sibling cross with each parent containing only wild type (stripeless) genes, and black/gold color genes.

The third pair also appears to have 1/4 to 1/3 marbles. But their marbling is much lighter than Spawn I. Again there are no Koi or blushing offspring. Therefore I assume that this is not a homozygous pair, as I believe pair I is and Pair II was. Of pair III, one parent is probably black/gold marble in color, and the other black/gold; and assuming they carry the same genes as their siblings from Pair I & II, then the black/gold marble may also carry the stripeless gene, and the other has only the wild type. To test this theory, and to really determine their genotype would require breeding several pairs of their offspring to determine the phenotypes expressed.

After weathering the two crises, one more successfully than the other, I'm pleased to say, that by now, the offspring of the first spawnings of Pairs I & III have all gone on to new homes, through trading into retailers, and through the Fall Auction, where I unloaded a lot of black angels. I have a second spawning of Pair I which are almost nickel size now, and a third spawning that are almost free swimming with their parents at present. The third pair of parents I was happy to sell to Ray Hughes... good luck with them!

## THE MIRROR THE WISBOW

Below is proof that you can attain fame, fortune, and the admiration of all of your friends, just by writing articles for Delta Tale.

"Natural Aquatic Environments" by George White was reprinted in the May 1993 issue of Tank Tales, Aquarium Club of Lancaster County. It was also reviewed in the May 1993 issue of Kitsap Aquarian, Kitsap Aquarium Society; June 1993 issue of In Depth, Tropical Fish Club of Burlington; and Summer 1993 issue of Carolina Aquarist, Raleigh Aquarium Society.

"A Summer on a Jungle River" by Alex Townsend was reviewed in the June 1993 issue of Tank Talk, Aquarium Society of Durham; Holiday 1992/93 issue of Wet Pet Gazette, Norwalk Aquarium Society; and Summer 1993 issue of Carolina Aquarist, Raleigh Aquarium Society.

"Pond Piranhas" by George White was reviewed in the Holiday 92/92 issue of Wet Pet Gazette.

"Aphyosemion australe" by Ron and Jonathan Burch was reviewed in the Holiday 92/93 issue of Wet Pet Gazette.

"More BAsic Than Basic" by Beverle Sweitzer was reviewed in the Holiday 92/93 issue of Wet Pet Gazette.

"Philodina a Rotifer" by Jim Long, was reviewed in the June 1993 issue of the NJAS Reporter, North Jersey Aquarium Society.

"My First Aquarium" by Ray Hughes, was reprinted in the Aug. 1993 issue of Stuff We Dug Up, International Society of Paleontologists and Archaeologists.

# POTOMAC VALLEY AQUARIUM SOCIETY



POST OFFICE BOX 6219 SHIRLINGTON STATION ARLINGTON, VIRGINIA 22206

## APPLICATION FOR MEMBERSHIP

Date: \_\_\_\_\_ 19 \_\_\_\_\_

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

Street: \_\_\_\_\_ Apartment: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Telephone H: \_\_\_\_\_ W: \_\_\_\_\_

Occupation: \_\_\_\_\_

Where did you hear about PVAS/get this application? \_\_\_\_\_

Number of tanks: \_\_\_\_\_ Time in hobby \_\_\_\_\_

What can this club do for you? \_\_\_\_\_

What do you want to do for the club? \_\_\_\_\_

Membership dues for the Potomac Valley Aquarium Society are:

Family/Individual: \$12/yr  
Corresponding: \$ 9/yr  
Junior (under 18): \$ 5/yr

Please send application and check for dues to the address above.

## SUPPORTING VIRGINIA SHOPS

### ANNANDALE PET SHOP

7406 Little River Turnpike  
Annandale, VA 22031  
256-2400

### AQUATIC ENHANCEMENTS, INC.

Box 22677  
Alexandria, VA 22304  
(703) 765-4620

### DISCOUNT PET CENTER

9028 Mathis Avenue  
Manassas, VA 22110  
361-7769

### BAILEY'S PET CENTER

35217 South Jefferson Street  
Falls Church, VA 22041  
931-1400

### BEACON MALL PET CENTER

6776 Richmond Highway  
Alexandria, VA 22306  
660-6100

### NATIONAL PET AND AQUARIUM

6168 Arlington Blvd  
Falls Church, VA 22046  
533-7828

### NEESE'S PISCES

3304 Mt. Vernon Ave  
Alexandria, VA 22305  
548-0557

### OAKTON PET SHOP

Rt 123 & Hunter Mill Road  
Oakton, VA 22124  
281-9622

### PET MART - TYSONS

8417 Old Courthouse Road  
Vienna, VA 22180  
281-8181

### PETS, ETC - ALEXANDRIA

7688-B Richmond Highway  
Alexandria, VA 22306  
768-2200

### PETS, ETC - CHANTILLY

13932 Lee-Jackson Highway  
Chantilly, VA 22021  
378-2777

### PETS, ETC - HERNDON

462 Eiden Street  
Herndon, VA 22171  
437-0381

### PETS, ETC - STERLING

243-C Harry Flood Byrd Hwy  
Sterling, VA 22170  
430-9667

### PETS-N-THINGS

3081 Nutley Street  
Fairfax, VA 22031  
573-4400

### SUNSHINE PETS

7395-H Lee Highway  
Falls Church, VA 22042  
573-6946

### TANKS-A-LOT

6635 Backlick Road  
Springfield, VA 22150  
703-866-1057

## SUPPORTING MARYLAND SHOPS

### ANIMAL EXCHANGE

765-A Rockville Pike  
Rockville, MD 20852  
424-PETS

### AQUARIUM CENTER

Liberty Road at Offutt Road  
Randlestown, MD  
301-521-4529

### BROTHERS PETS INC.

13810 Georgia Avenue  
Aspen Hill, MD 20906  
460-4600

### CONGRESSIONAL AQUARIUM

162 Congressional Lane  
Rockville, MD 20852  
881-6182

### FISH FACTORY AQUARIUM

582 North Frederick Avenue  
Gaithersburg, MD 20877  
881-6182

### GLENMONT TROPICALS

12345 Georgia Avenue  
Wheaton, MD 20902  
949-0344

### HAPPY PETS

617 Hungerford Drive  
Rockville, MD 20850  
762-6878

### HOUSE OF TROPICALS

7389F Baltimore-Annapolis Blvd  
Glen Burnie, MD 21061  
301 761-1113

### MARINE CARE SPECIALISTS

15820 Redland Road  
Rockville, MD 20855  
330-0720

### MARYLAND TROPICALS

11229A New Hampshire Avenue  
Silver Spring, MD 20904  
593-1116

### MONTGOMERY TROPICALS

7845-G Airpark Road  
Gaithersburg, MD 20879  
670-0886

### PETDATE - WHITE FLINT

5268 Nicholson Lane  
Kensington, MD 20895  
231-5216

### RICK'S FISH & PET SUPPLY

1003J West Patrick Street  
Frederick, MD 21702  
301-694-9664 301-831-6866

### SHOWCASE AQUARIUM

11248-11250 Triangle Lane  
Wheaton, MD 20902  
942-6464

### TROPICAL FISH WORLD, INC.

16529 South Frederick Center  
Gaithersburg, MD 20877  
921-0000

### TROPICAL LAGOON

9439 Georgia Avenue  
Silver Spring, MD 20910  
585-6562

POTOMAC VALLEY AQUARIUM SOCIETY  
p.o. box 6219, Shirlington Station  
Arlington, VA 22206-0219

Meetings are held at the John C. Wood Facility, 3730 Old Lee Hgwy.  
(rte 237) Fairfax City, VA. Room 7 (in the rear of the building).  
Doors open at 7:30, meetings start at 8:00. ALL ARE WELCOME.

