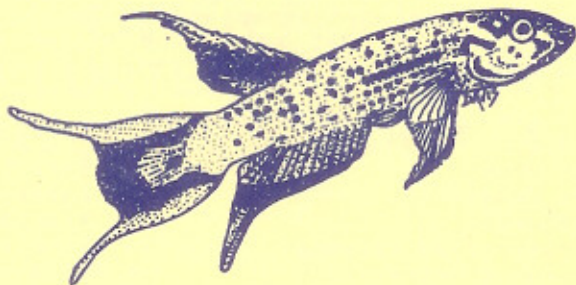


* DELTA TALE *

April 1989
Vol. 20 #4
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OFFICIAL PUBLICATION OF

potomac valley aquarium society



POTOMAC VALLEY AQUARIUM SOCIETY



POST OFFICE BOX 6219 SHIRLINGTON STATION ARLINGTON, VIRGINIA 22206

The Delta Tale is published for the benefit of the Potomac Valley Aquarium Society, Inc. (PVAS). The PVAS, a non-profit organization, was established in 1980 for the purpose of furthering the aquarium hobby by dissemination of information, encouraging friendly competition, soliciting participation in its shows, and promoting good fellowship. Correspondence should be addressed to PVAS: P. O. Box 6219 Shirlington Station; Arlington, Virginia 22206-0219. Original articles and art work may be reprinted by other non-profit organizations if credit is given to the author, Delta Tale, and PVAS. Two copies of the publication should be sent to the Delta Tale, c/o PVAS. Please place the author's name on one copy to ensure that it gets to him/her. PVAS and Delta Tale disclaim any responsibility for content or availability of advertised merchandise or services in these pages. Customer satisfaction is a matter to be worked out exclusively between the advertiser and the buyer. All material for inclusion in Delta Tale must reach the editor by the 12th of the month prior to publication.

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| | |
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| Corresponding Secretary: | Lea Spickler |
| Recording Secretary: | Bob Pallansch |

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| | |
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| Kenny Waren - 90 | John Jessup - 89 |
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| | |
|--------------------|------------------------|
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| BAP: | John Jessup |
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HEY!

**THE SPRING SHOW & AUCTION IS COMING!
MAY 6 - 7**

**ENTER FISH!
VOLUNTEER TO HELP!
GET INVOLVED IN YOUR CLUB!**

CALL 971-0594 NOW!

Pete

POTOMAC VALLEY AQUARIUM SOCIETY

ANNOUNCES

For more info
call:

Gene Aldridge
(703)998-8757



29th ANNUAL SPRING SHOW
AND AUCTION

6 AND 7 MAY 1989

TO BE HELD AT
THE JOHN C. WOOD RECREATIONAL FACILITY
ROUTE 237 (OLD LEE HIGHWAY)
FAIRFAX CITY, VIRGINIA

SEE YOU THERE!

SPAWNING AEQUIDENS MARONI - THE KEYHOLE CICHLID

by Barrie & Raymond Farmer

As a family of catfish lovers, spawning cichlids in our house is usually an accident. We have however been very lucky and with the exception of one group, all of our cichlids have surprised us with babies at least once. Of them all, the keyholes seem to have done the most. They were our first cichlid to spawn (back in September 1987) and have been the most unusual parents and unpredictable spawners we have had.

Back in June of 1986 we purchased two juvenile keyholes and in August of 1987 we decided to enlarge our group with one of our typical "charity" cases. We had found a pitiful looking (but full grown) keyhole in a tank of African Cichlids in a pet shop in Fredericksburg. Since the price was very cheap for a full grown keyhole (\$1.99) we decided to rescue it. As fate would have it we brought it home and two weeks later, much to our surprise, we found that our new "charity case" was the mother of our first spawn of cichlids! This was in a community tank with an assortment of catfish (what else!) but the parents seemed to be ferocious enough to handle whatever came their way (including the siphon tube we were using to clean the tank when we noticed the fry). After several successful spawns things started going downhill. The eggs the female laid were not being fertilized properly and the male had started to show aggressive behavior toward her. Since we had heard that this sometimes happens with a mated pair of cichlids, we were not too concerned and separated the two. Each time we put them back together the same thing happened - he chased her until we separated them again. The female never seemed to recover and in October of 1988 we lost her.

By this time all but two of the babies had been sold or traded and they were all but forgotten in a 40 gallon tank with some of our most prized catfish. We had fed them nothing but flake food (and then only what they scavenged from catfish that were at least five times their size). They seemed healthy and happy enough considering the circumstances - then one day they started chasing the catfish! Being the slow learners that we are, we shrugged it off to typical cichlid dominance and watched the catfish to make sure they were not being intimidated too badly. Imagine our surprise when on January 9, we discovered not eggs but a wiggling mass of fry! Our poor, neglected babies had babies! We removed what we thought was most of the babies and placed them in a 10 gallon tank to raise (for their protection as well as the catfish the parents were bullying). However, after a couple of days we discovered at least as many as we removed were still thriving in the tank (and the catfish have learned to stay out of the way).

In closing, I would like to comment on what wonderful parents the keyholes (both sets) have been. They are a lot of fun to watch as they seem to have as much trouble agreeing on how to raise the children as most adults do! We have watched the female pick the fry up in her mouth and move them to what she considers a safe area and the male promptly picks them up in his mouth and puts them back exactly where they were. This can go on for 30 minutes or more before they give up (or we get tired of watching). As the fry grow and become more independent, the parents seem to relax.

PVAS BOARD MEETING - MARCH 9, 1989, 8:00pm

Gene Aldridge hosted this month's meeting; also on hand were Barrie and Ray Farmer, Robert Pallansch, Lea Spickler and John Stieringer, Pete Thrift, and Kenny Warren.

Re: the May Show -- Judges:

President Thrift suggested using several (six to ten) judges to save time with our compressed Saturday schedule, and more local judges to simplify logistics; several names were considered.

Booklets:

The Board decided not to solicit dealer ads, but to offer counter space to dealers who wish to provide leaflets, etc. One-page flyers (poster on the front and show classes on reverse) were considered; the Show Brochure is to include articles, show rules, etc., but no ads.

Classes:

Revisions approved include fewer classes for livebearers, marine, and photography; and more for catfish, killias, and other non-cichlid egglayers.

The Board agreed to purchase Paul Spiece's Aquatic Maestro videotape series for use by PVAS; Pete Thrift expressed our disappointment at the turnout and PVAS attendance at Paul's Feb. 20th lecture.

Finally, the Board decided regretfully to cease publication of the DELTA TALE after the May issue; a short 1st-class mailer will be substituted until further notice.

The meeting adjourned at 9:30 pm.

Respectfully submitted,

Rob Pallansch
Robert J. Pallansch
Recording Secretary

Telmatochromis burgeoni: A Harem Spawning Tanganyikan

Sharon H. Boone, Annandale, Virginia.

On 20 May 1986, I purchased four Telmatochromis burgeoni newly-arrived from the southern coast of Lake Tanganyika in Zambia. I placed the 3/4" fish in an established 20L tank containing J. marlieri, L. tetracanthus, and a 6" Mastacembel tanganicae eel. The four settled in quickly, eating immediately and establishing territories among the shells and rocks. Fed primarily on a diet of Aquarian marine and carnivore flake, with occasional brine shrimp, the four new Tanganyikians began to grow. On 2 July 1986, I discovered a shell entrance filled with fry being zealously guarded by a female T. burgeoni. Looking through the tank, I saw a larger T. burgeoni darting from the rocks toward the shell and back again; a male. I had a pair! I immediately dismantled the rocky shelves and removed all but the four T. burgeoni from the tank. Throughout the 'capture' process, the female and fry remained at the entrance of the shell watching every move of the net. After rebuilding the rock shelf, I left the four to establish territories and settle in. I was then able to visibly distinguish between them; one male and three females.

The T. burgeoni have a buff colored body that becomes more golden as they mature, with a darker reticular patch on top of head. The male, except in times of stress when his juvenile bar-pattern returns, maintains this golden color even when defending his territory against intruders. When the female reaches sexual maturity, her body color shifts from buff when is receptive to light gray when she is tending fry and the male's presence in her territory is not wanted. T. burgeoni's dorsal spines are tipped in black, below which runs a band of iridescent blue-white. The caudal fin is similarly marked. The anal fin is black-edged only. Upon these fins is scattered iridescent blue-white dots. The pelvic fins are clear with black tips. Where the lateral line ends at the gill plate, a dark gold bar runs down to the pectoral fin, and straight forward to the eye. A yellow line runs from the corner of the mouth across the cheek, and another runs right under the eye. Beneath this eye line is a bright blue line. The male's body is highlighted by iridescent blue-white markings, while the females lack these markings.

On 5 July 1986, female #1 had moved away from the shell and the fry began hiding among the pieces of dolomite and shells within a 2" radius of their birth shell. Female #1 began digging a trench from the shell mouth back along the rocky shelf, into the corner (approximately 1" wide, 1/2" deep, and 8" long), and the male began to trench along the rocky shelf behind the birth shell, watching female #1 continuously. When she had completed her trench, female #1 remained in the corner, only occasionally darting back to check the birth shell. As the male approached female #1, she beckoned to him

with side-to-side movements of her tail as her body color became gray. The male began undulating his body, swatting the female with his tail. The spawning dance consisted of repeated head-to-tail, tail-to-head configurations, rapid opening and closing of the mouth while puffing out their jaws, and an increase in respiration to almost double the normal rate. These dances lasted about 15 seconds, with the male terminating the dance by darting back into the rocks, leaving female #1 to gather the eggs dropped and retreat into her trench at the rocky edge. The spawning dances continued for three hours, but at an angle inaccessible by camera. By the next morning, female #1 had transferred the eggs into the shell just vacated by the first spawn. During this time, female #2 maintained her position at the mouth of a shell on the right-hand side of the tank, her color never changing from gray. Female #3, smaller than the other females, spent her time fleeing the spawning overtures of the male by hiding in various shells at the center of the tank. Her body color remained buff but carried the juvenile bar-pattern. The male's attempts to court female #3 were carried out concurrent to his spawning with female #1. Over the next three days, more fry began appearing, mixing with those already out. Only 1/8" long, the fry readily accepted flake food and frozen daphnia. If startled, the fry dart across the tank, making powerful leaps, sometimes covering four inches or more. The fry travel about the tank using the trenches the male dug under the rocky shelf edges. The overhang provides the fry with solid protection if they are threatened.

On 19 July 1986, I turned the tank light on and found that female #2 had brought her fry out. They were scattered among the older fry, and female #2 was attempting to collect her fry and return them to their birth shell. She would snatch up a few fry in her mouth and return to the birth shell, depositing the fry deep inside, totally out of view. Female #2 continued this at a frantic pace until suddenly the male shot out of the rocks and attached her, making contact on her back and removing some scales. Female #2 instantly retaliated with a threatening posture, becoming a very dark gray and distending her jaw, causing the male to break off his attack immediately and return to the rocks. I can only conclude that the male thought female #2 was attacking the older fry, not realizing that she had brought out new fry during the night.

With T. burgeoni, parental care is exclusively maternal, but the male keeps a close watch on his territory, and all the inhabitants. Although the female will make defensive displays, she never abandons her shell, while the male will strike any intruder repeatedly, doing as much damage as possible. The T. burgeoni spawned on a dolomite substrate at a temperature of 82 - 84 deg F and a pH of 8.4. The tank was filtered by a Dynaflo 150, with a bubblewand for aeration. My observations indicate T. burgeoni will spawn continuously, only ceasing for a 3 - 5 day period when new fry appear at the shell's mouth (approximately every 18 days). The female is constantly tending within the shell while she is spawning, indicating that spawns in various stages of development (eggs to fry

not yet large enough for release) are being cared for simultaneously with released fry. The eggs are approximately 1/16" in diameter and are a pale luminous green in color.

As the fry develop, they begin to search beyond their mother's territory, entering all parts of the tank undisturbed. By the time they are 45 days old, the fry are miniature versions of their parents. By the time they reach full size, T. burgeoni males are 4" long while females only reach 1 3/4" in length. Males are sexually mature by the time they reach 2", the females 1 1/4", with the males the faster growers. My quartet continues to be a classic example of harem polygny, no matter how often I move them to new tanks so I can raise the fry.

Reprinted from the April 1988 BUNTBARSCHÉ BULLETIN, official publication of the American Cichlid Association, Inc. Any person interested in the American Cichlid Association, Inc. is cordially invited to apply to: Glenn Eaves, Box 32130, Raleigh, NC 27622

THE BOWL SHOW NEEDS YOUR HELP

The bowl show is currently undergoing some changes in format and we need your help.

Please jot down any ideas you might have on how we can improve the quality of our monthly shows and send them to:

Barrie Farmer
P.O. Box 102
Ruther Glen, VA 22546

The only way we can make the monthly bowl show an active and interesting part of our program is with your help - so please send in those ideas!

POTOMAC VALLEY AQUARIUM SOCIETY



POST OFFICE BOX 6219 SHIRLINGTON STATION ARLINGTON, VIRGINIA 22206

29th Annual Fish Show and Auction May 6-7, 1989

THE JOHN C. WOOD RECREATIONAL FACILITY
ROUTE 237 (OLD LEE HIGHWAY)
FAIRFAX CITY, VIRGINIA

SCHEDULE OF EVENTS

SATURDAY, May 6:

- 6 AM to 8 AM - Show Set-Up
- 8 AM to Noon - Registration of Show Entries
- 1 PM to 5 PM - Judging
- 3 PM to 9 PM - Public Viewing of Show Entries

SUNDAY, May 7:

- 8:30 AM to 1 PM - Public Viewing. The public is cordially invited to attend the awards presentation and the auction.
- 9 AM to 12:30 PM - Registration of sale items for the auction
- 11 AM - Awards Presentation
- 11:30 AM - Auction, continuing with periodic breaks until all items are sold

THERE IS NO ADMISSION CHARGE FOR VIEWING THE SHOW OR ATTENDING THE AUCTION

RAFFLES - RAFFLES - RAFFLES

Aquarium-related prizes will be raffled off at intervals during the auction. You must be present to win these prizes. At the close of the auction, a 55-gallon tank set-up will be raffled off. You need not be present to win this prize. Tickets for both raffles may be purchased at any time during the auction at the concession stand. Soft drinks and souvenirs will also be on sale.

COMPETITION CATEGORIES

All classes (excepting VIII) are open to public competition

I. Livebearers

- a. Guppies
- b. Mollies, Swordtails, & Platies
- c. Goodeids
- d. Other Livebearing Fish

II. Egglayers (Non-Cichlid)

- a. Catfish, Corydoras
- b. Catfish, Loricariidae
- c. Catfish, Synodontis
- d. Catfish, Naked
- e. All Other Catfish
- f. Betta Splendens
- g. All Other Bettas & Anabantoids
- h. Sharks & Loaches
- i. Characoids, Under 3" Mature
- j. Characoids, Over 3" Mature
- k. Barbs
- l. Goldfish & Koi
- m. Danios, Brachydanios & Rasboras
- n. Killifish, Aphyosemion/Fundulopanchax
- o. Killifish, Nothobranchius/S. American Annuals
- p. All Other Killifish
- q. North American Native Fish
- r. Other Non-Cichlid Egglayers

III. Cichlids

- a. New World Large (over 7" mature)
- b. New World Medium (4-7" mature)
- c. New World Dwarf (under 4" mature)
- d. Angelfish
- e. Discus
- f. Mbuna
- g. Tanganyikan
- h. Cichlid Pairs
- i. All Other Cichlids

IV. Marine Fish and Invertebrates

V. Family of Fishes

VI. Plants

VII. Set Tanks

VIII. Dealer Tanks

IX. Photography

X. Arts & Crafts

THE FOLLOWING APPLIES TO ALL ENTRIES

PVAS reserves the right to subdivide any class when, in the opinion of the Show Chairman, sufficient entries have been received to warrant this action. Once entered into the competition, no entry may be removed until after the Awards Presentation on Sunday without the consent of the Show Chairman. All entries must be removed by 6 PM, Sunday, May 7, or they will be disposed of at the discretion of the Show Chairman. All entries must be accompanied by an entry form, a copy of which is in this flyer. There will be qualified hobbyists available to assist you in classifying your entries. PVAS can assume no liability for any entry. However, at least one qualified hobbyist will be present during show hours to assure the safety and well being of the fish, and to deter theft or other damage.

AWARDS

Trophies will be awarded for Best In Show (Classes I through IV), for Reserve In Show (Classes I through IV), for Best In Class (Classes I through III), for First Place in each category of Classes I through III, and for First Place in classes IV - VII, IX, and X. A Dealer's Trophy will be awarded for Class VIII. Ribbons will be awarded for Second and Third Place in each category of each class.

INFORMATION

For additional information, please contact either Pete Thrift at (703) 971-0594, or Gene Aldridge at (703) 998-8757.

SHOW RULES

The competition is open to anyone.

FOR CLASSES I THROUGH VI:

TANKS, OTHER CONTAINERS, AND STANDS: All tanks, drum bowls, and stands must be furnished by the entrant. All containers must have at least two clear, flat sides. Tanks larger than 5 1/2 gallons must be accompanied by a stand. An air pump, filtration, light, and extension cord must be furnished by the entrant for each tank larger than 5 1/2 gallons, as they may have to be placed at some distance from the PVAS-supplied air source.

DECORATIONS AND LIGHTING: No decorations of any kind, including plants, back or side painting, or gravel, will be allowed in Classes I through V. See below for Class IV. The external bowl or tank bottom may be painted flat black. Only tanks on stands may have entrant-provided lighting.

AIR, HEATERS, AND FILTRATION: PVAS will furnish a constant air supply for all bowls and small tanks. Entrants must furnish their own airline and airstones. A supply of each will be available for purchase from PVAS. Box and sponge filters or outside filters will be allowed at the entrant's discretion. In Class IV, undergravel filtration may be used, but the tank must otherwise be bare. Heaters are allowed in all classes.

FOR CLASS V (FAMILY OF FISHES):

An acceptable entry consists of a breeding pair of adult fish and their fry. The fish may be displayed in a single container, a divided container, or separate containers.

FOR CLASS VI (PLANTS):

An acceptable entry consists of a single species of any recognized aquatic plant displayed in a single container. Several individual species may be displayed as separate entries in a compartmented container. A rooted plant may be displayed in a pot or floating. No gravel or planting medium is allowed on the bottom of the container. No fish or other fauna may be present in the container.

FOR CLASSES VII & VIII (SET TANKS):

Entries may represent either freshwater or marine environments, and may be stocked and decorated as desired. These tanks will be judged on the overall appearance of the tank and its contents. The appearance of the tank stand will not be judged. All equipment must be supplied by the entrant. All entries must be ready for judging by noon on Saturday.

FOR CLASSES IX & X (PHOTOGRAPHY, ARTS & CRAFTS):

Judging of photography will be based primarily on composition and technique. Art and Craft entries must consist of a non-photographic representation of freshwater or marine fishes or their associated environment, and are judged on originality, design, and overall artistic merit. All entries are expected to be the work of the entrant. If desired, entries may be titled but must not display the name of the entrant.

JUDGING

All entries will be judged equally by established PVAS standards. If an unbreakable tie occurs, duplicate awards will be made. In all cases, the decision of the judges is final. Judging sheets will be available for entrant review after the judging process is completed.

POTOMAC VALLEY AQUARIUM SOCIETY
 Show Entry Registration Form

Name: _____ Address: _____

Telephone: (____) _____

Club: _____

| Entry Class | Bowl Number | Entry Fee | Auction? |
|-------------|-------------|-----------|----------|
| 1 | : | : | : |
| 2 | : | : | : |
| 3 | : | : | : |
| 4 | : | : | : |
| 5 | : | : | : |
| 6 | : | : | : |
| 7 | : | : | : |
| 8 | : | : | : |
| 9 | : | : | : |
| 10 | : | : | : |
| 11 | : | : | : |
| 12 | : | : | : |
| 13 | : | : | : |
| 14 | : | : | : |
| 15 | : | : | : |
| 16 | : | : | : |

Entry Fees: Single Fish - \$2.00 Dealer Tanks - no charge
 Pairs and Families - \$2.00 Slides and Prints - \$1.00
 Plants - \$1.50 Craft and Artwork - \$1.00
 Set Tanks (non-dealer) - \$2.00

PVAS MEMBERS NOTE: No more than \$20 in entry fees will be charged to club members entering five or more sub-classes, regardless of the number of total entries.

INSTRUCTIONS FOR FILLING OUT THE SHOW ENTRY FORM

Please use this form to enter the show competition. Fill in the requested data at the top of the form. This will facilitate entry registration, insure the safeguarding and return of your entries, and allow PVAS to notify you of future events.

In the CLASS column, list the competition category for each individual entry. A swordtail, for instance, would be placed in category "Ic". Do not write in the BOWL NUMBER column, as this is for use by the registrar in assigning a specific number to your entry. You may tally your total entry costs by entering the correct fee for each entry, or the registrar will do this for you. If you wish to have the entry placed in the auction and sold after the completion of the show competition, write "Yes" in the AUCTION column. If you have any questions, the registrar will be happy to assist you.

PVAS JUDGING STANDARDS

For each show class, at least two qualified judges are assigned. A judge may decline to judge a category in which he or she is not qualified, and will not be assigned a category that he or she is personally entering. Each entry is evaluated in the following five areas: SIZE, BODY SHAPE, FINNAGE, CONDITION AND DEPARTMENT, and COLOR. In each area, each entry is given up to 20 points. A perfect entry would receive the maximum 20 points in each area, or 100 total points. The overall points assigned by each judge for an entry are then averaged, and this average becomes the entry's overall score. The three entries with the highest averaged points are the winners for that class.

PVAS AUCTION - SUNDAY, 7 MAY

RULES FOR THE SELLER:

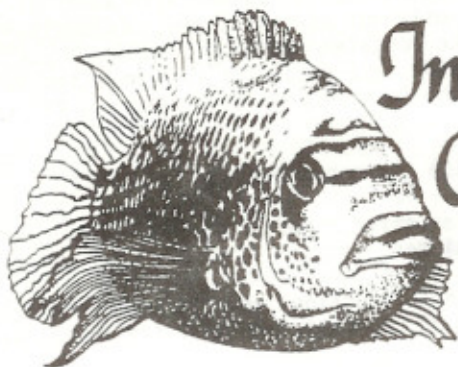
1. You do not have to be a PVAS member to buy or sell hobby-related items, including fish, plants, equipment, etc. in the auction.
2. Registration of items for sale will begin at 9 AM and will end promptly at 12:30 PM on Sunday, 7 May.
3. The auction will begin immediately after the awards ceremony and will continue, with periodic breaks, until all items are sold.
4. 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.

5. 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.
6. Registration is limited to fifteen (15) items per person.
7. A limit of five (5) bags per species or color form/variety is allowed, unless prior approval is obtained from the Auction Chairman.
8. For every five (5) items registered in the auction, one (1) colored sticker will be given to the seller to attach to the item of his choice. These items will be auctioned first.
9. Bags will be offered 'as is' and will be sold as one item. Once registered, the contents of a bag may not be split.
10. 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.
11. 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.
12. The seller receives two-thirds of the selling price. PVAS retains one-third.
13. 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.
14. The auctioneer retains the right to set aside any improperly bagged or marked item, or any sick or otherwise unsaleable item.
15. 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. In all cases, the decision of the auctioneer is final.

The American Cichlid Association announces the



International Cichlid Conference '89

August 10 - 13, 1989

Hyatt-Orlando • Orlando, Florida

The Largest Cichlid & Aquarium Event Ever Held!

Speakers

- George Barlow
Central American cichlids
- Heiko Bleher
Collecting fish worldwide
- Horst Walter Dieckhoff
Africa's rift lake cichlids
- David Ford
Cichlid & fish nutrition
- Ruth Francis-Floyd
Angelfish disease
- Jack Gratzek
Angelfish disease
- George Klontz
Cichlids as food
- Ad Konings
Lake Tanganyika cichlids
- John Kuhns
Aquarium water chemistry
- Marshall Meyers
Aquarium regulation issues
- Tony Ribbink
Lake Malawi cichlids
- Guenter Ritter
Aquarium technology
- Rainer Stawikowski
South American cichlids

Featured Events

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- Tropical Fish Farm Tour
- Tour of Sea World
- Aquarium Trade Show
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- Cichlid Show and Exhibit

Plus presentations on:

- Farming cichlids in Florida
- Lake Malawi National Park
- Collectors/Exporters Forum
- Fish Specialty Group Meetings
- Cichlid organizations worldwide
- Aquarium photography
- and other related topics

Travel

Delta Airlines is the Official ICC Airline - offering 5% off the lowest available fare or 40% off coach fare. Call Delta, or your travel agent, and refer to No. J0678.

Accommodations

A special rate \$68.00/night (1 - 4 people/room) is available at the Hyatt-Orlando. This is one of the largest hotels in the area and is very close to Disney World, Sea World and many other attractions. This rate will be good for one week before and one week after the ICC. Call (407) 396-1234 for reservations. Early reservations are recommended due to demand for rooms in this area.

Car Rental Special

Budget Car Rental is offering a compact car for \$69.00/week (\$19.00/day) unlimited mileage, others slightly higher. Call (800) 435-7100, ask for ACA special.

For information write:

ICC, 419-A Hidden Brook Dr.
Glen Burnie, MD 21061



CICHLID LOVERS DREAM COME TRUE!

American Cichlid Assn.
(Released Feb. 1989)

The International Cichlid Conference, to be held in Orlando, Florida from August 10 through 13**, 1989, is going to be the fish convention that people talk about for years to come.

- * The best speaker line up ever ... most of them have been made possible through the generous support of the tropical fish industry.
- * Tour of two of the largest Florida Fish Farms
- * A great ICC Awards Banquet highlighted by the world debut of a new underwater African Dual-Screen/Sound Slide Show by Walter Dieckoff.
- * Sea World Visit with a "Special behind the Scenes Tour" at a discounted rate (Aug. 9)
- * Special Sea World Photo Contest (Aug. 9)
- * Cichlid Species Show and Cichlid Theme Exhibit
- * Cichlid Art and Photography Show
- * Gigantic Cichlid Auction
- * An Aquarium Industry Trade Show
- * The Orlando Hyatt - the "Biggest and Best" facility ever for an ACA Convention
- * Central Florida - the "Vacation Capital of the World"

If you register for ICC early, the charge is only \$30 per person and you get a FREE Tee-shirt. Some of the listed events have special registration fees. See the registration blank for details.

Make HOTEL reservations thru Hyatt Orlando--soon! Special room rates are available from Aug. 5 through August 15. Call Hyatt at (407) 396-1234 to reserve.

Delta Air Lines is offering special rates - 5% discount off of "Best Rates" round trip fares or 40% off regular rates. Refer to file J0768 when making reservations.

Budget Rent-Car also is offering special rates: ask for American Cichlid Assn. group rate.

To make sure you receive the reservation/information packet for the ICC write requesting it to: ICC
c/o 419A Hidden Brook Dr.
Glen Burnie, MD 21061 USA

**Some events are scheduled earlier than Aug. 10 - date is listed with event when this occurs.

American Cichlid Association, Inc.
International Cichlid Conference
Registration

Name(s) : _____

Address: _____

City/State: _____ Zip: _____

| | Dollar Amount |
|--|-------------------------|
| ICC Early Registration* (Before 5/1/89) (\$30.00 each) (Includes admission to all speaker presentations, exhibits, trade show, hospitality room, auction) * Includes TeeShirt Bonus for early reg. Size: (circle one) S M L XL | \$ _____ |
| Fish Farm Tour, Aug. 11 (inc. lunch, space limited) (\$22 ea) (ICC registration is required for Fish Farm Tour) | _____ |
| ICC Banquet - August 12 (\$25 each) Circle Entree Desired: Beef Fish Chicken | _____ |
| Day at Sea World - August 9 (\$14 each) Round Trip Bus Ticket if needed (\$6 each) Special Sea World Photography Contest (\$10 each) (Inc. 36-exp. roll w/overnight processing) | _____ _____ _____ |
| Fish Show Entry Fee (\$2/entry) | _____ |
| Photography/Art Show Entry Fee (\$2/entry) | _____ |
| Special A.C.A. Membership Offer (\$7.50 for 1 year) | _____ |
| Total: | _____ |

Charge Card Information if you wish to pay in that manner:

(Circle Card) Visa MasterCard AmerEx Card # _____

Expiration Date: _____
(Be sure name at top of page is name on charge card)

MAIL THIS REGISTRATION WITH PAYMENT TO: ICC
4926 Hidden Oaks Trail
Sarasota, FL 34232

Make hotel, plane and rental car reservations directly with offering
company!

NOTE: Cost of ICC registration will increase after May 1, 1989

Number of Auction holding tanks needed: _____

BOWL SHOW SCHEDULE CORRECTION

The Bowl Show Schedule printed in last months Delta Tale was incorrect. Please refer to the following schedule for the remainder of the year. We apologize for any inconvenience.

| <u>Months</u> | <u>Classes</u> |
|---------------|---|
| January | Anabantoids |
| June | Catfish - Corydoras species New World Large Cichlids Open |
| February | Guppies |
| July | Barbs & Characins New World Medium Cichlids Open |
| March | Killifish |
| August | Catfish, non-Corydoras New World Dwarf Cichlids Open |
| April | Livebearers, non-Guppy |
| September | Sharks & Loaches Angelfish & Discus Open |
| May | Goldfish & Koi |
| October | African Rift Lake Cichlids African non-Riftlake Cichlids Open |
| November | All 15 classes for the year |
| Expanded | All placing scores are doubled |
| Show | Open |
| December | No Bowl Show - Christmas Party |

BAP BOARD MEMBERS

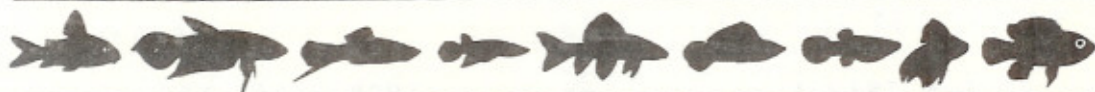
John Jessup (Chair-Manassas) 703-330-6257
Gerry Hoffman (Warrenton) 703-347-7486
John Mangan (Vienna) 703-938-4778
Gene Aldridge (Arlington) 703-998-8757
Pete Thrift (ex-off-Franconia) 703-971-0594

CHECKERS

Arlington County: Gene Aldridge-998-8757
Fairfax-Vienna: Jim Long-280-1753
Clifton-Centerville: Kenny Warren-378-8838
Warrenton: Gerry Hoffman-347-7486
Montgomery County: Tony Fitz-340-7876
Montgomery County: Ray Hughes-424-3531

If you cannot reach your nearest checker, please call your nearest BAP Committee Member or John Jessup a 703-330-6257. An arrangement will be made to get someone to check your fish.

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.

VIRGINIA

PETS-N-THINGS

PAN AMERICAN CENTER
3081 Nutley
Fairfax, VA 22031
573-4400

TYAU TROPI-CARE

6905 Duke Drive
Alexandria, VA 22307
765-6713

ANNANDALE PET SHOP

7406 Little River Turnpike
Annandale, VA 22003

AQUARIA INTERNATIONAL

1180 Pendleton Street
Alexandria, VA 22314
683-4811

BAILEY'S PET CENTER

LEESBURG PIKE PLAZA
35217 South Jefferson Street
Bailey's Crossroads
Falls Church, VA 22041
931-1400

BEACON MALL PET CENTER

BEACON MALL CENTER
6776 Richmond Highway
Alexandria, VA 22306
660-6100

DISCOUNT PET CENTER

MANASSAS SHOPPING CENTER
9028 Mathis Avenue
Manassas, VA 22110
361-7769

NATIONAL PET AND AQUARIUM

WILLSTON SHOPPING CENTER
6168 Arlington Blvd.
Falls Church, VA 22046
533-7828

DAKTON PET SHOP

DAKTON CENTER
Rt 123 and Hunter Mill Road
Dakton, VA 22124
281-9622

PET MART - TYSONS

8417 Old Courthouse Road
Vienna, VA 22180
281-8181

WILSON'S PARROTS & MARINE L

SHIRLEY EDSALL INDUSTRIAL PARK
Build America 5
5605-B Gen Washington Drive
Alexandria, VA 22312
922-7358

SUNSHINE PETS

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

PETS, ETC. - HERNDON

STUART CENTER
462 Eiden Street
Herndon, VA 22171
437-0381

PETS, ETC. - STERLING

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

PETS, ETC. - ALEXANDRIA

MT. VERNON PLAZA
7688-B Richmond Highway
Alexandria, VA 22306
768-2200

PETS, ETC. - CHANTILLY

SULLY PLAZA
13932 Lee Jackson Highway
Chantilly, VA
378-2777

MARYLAND

ANIMAL EXCHANGE

765-A Rockville Pike
Rockville, MD 20852
301-424-PETS

RICK'S FISH AND PET SUPPLY

36 South Market Street
Frederick, MD
301-694-9664 301-831-6866

AQUARIUM CENTER

Randallstown Plaza Center
Liberty Road at Offutt Road
Randallstown, MD
301-521-4529

FISH FACTORY AQUARIUM

582 North Frederick Avenue
Gaithersburg, MD 20877
301-948-1133

GLENMONT TROPICALS

Glenmont Shopping Center
12345 Georgia Avenue
Wheaton, MD
301-949-0344

PETLAND

Briggs Chaney Plaza
13833 Outlet Drive
Silver Spring, MD
301-890-0044

PETLAND

White Flint Plaza
5268 Nicholson Lane
Kensington, MD 20895
301-231-5216

PET MART - ROCKVILLE

2230 Veirs Mill Road
Rockville, MD 20851
301-762-3505

SHOWCASE AQUARIUM

11248-11250 Triangle Lane
Wheaton, MD 20902
301-942-6464

TROPICAL LAGOON

9439 Georgia Avenue
Silver Spring, MD 20910
301-585-6562

CONGRESSIONAL AQUARIUM

Congressional Plaza
162 Congressional Lane
Rockville, MD 20852
301-881-6182

MONTGOMERY TROPICALS

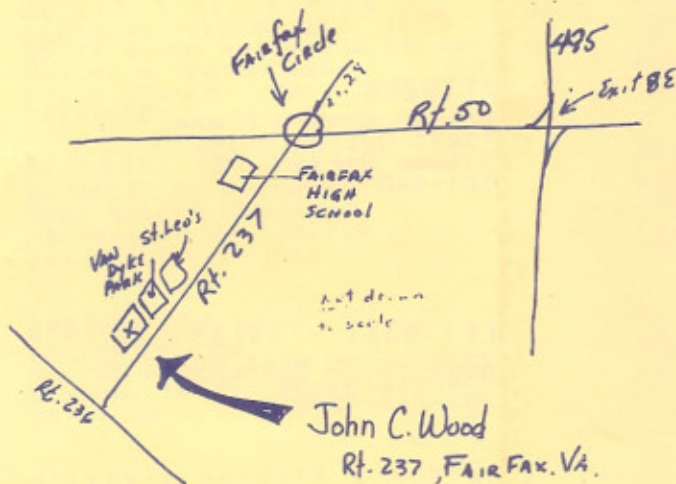
7845-G Airpark Road
Gaithersburg, MD 20879
301-670-0886

SUPPORT YOUR LOCAL PET SHOP

THEY HELP SUPPORT US !!!!!

POTOMAC VALLEY AQUARIUM SOCIETY
P.O. BOX 6219, SHIRLINGTON STATION
ARLINGTON, VIRGINIA 22206-0219

BULK RATE
U.S. POSTAGE
PAID
PERMIT NO. 418
ARLINGTON, VA



Penn Fish Culturist Society
1823 Dudley Street
Philadelphia, PA 19145
19145

THE POTOMAC VALLEY AQUARIUM SOCIETY WILL MEET ON THESE 1989 DATES

| | | | |
|--------|--------|--------|--------|
| 9 JAN | 10 APR | 10 JUL | 18 OCT |
| 13 FEB | 8 MAY | 14 AUG | 13 NOV |
| 13 MAR | 12 JUN | 11 SEP | 11 DEC |

MEETINGS ARE AT THE JOHN C. WOOD FACILITY, RT 237 (OLD LEE HWY),
FAIRFAX CITY, VA. DOORS OPEN AT 7:30, MEETINGS START AT 8:00 PM
EVERYONE IS WELCOME!!!!