

# \* DELTA TALE \*

June, 1980

Vol XI - Issue 6

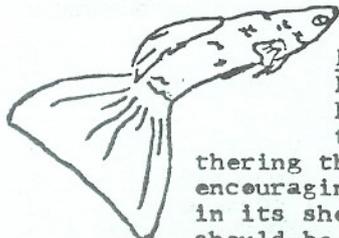
OFFICIAL PUBLICATION OF

potomac valley aquarium society

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Delta Tale is published for the benefit of the Potomac Valley Aquarium Society (Formerly the Potomac Valley Guppy Club), a non-profit organization, established in 1960 for the purpose of furthering the aquarium hobby by disseminating information, encouraging friendly competition, soliciting participation in its shows and promoting good fellowship. Correspondence should be addressed to: Secretary, P.V.A.S., P.O. Box 6219, Shirlington Station, Arlington, VA 22206. Original articles and drawings may be reprinted if credit is given the author and Delta Tale. Two copies of the publication in which the reprint appears should be sent to Delta Tale, which will forward one copy to the author/artist. All materials for inclusion in the Delta Tale should reach the editor no later than the first Saturday after the monthly Monday meetings.

EDITOR: Maggi Mahoney

Editorial Assistants: Carol Kawecki, Chrys Guiler

P.V.A.S. OFFICERS FOR 1980

President:	Woody Griffin 9491290	Corresponding Secretary:	
Vice President:	Pete Tietjen 939-2638	Recording Secretary:	Maggi Mahoney 534-0006
Treasurer:	Dana Best 548-1868		

1980 BOARD OF GOVERNORS

John Jessup, Ed Smith, Pat Mahoney, Kenny Warren, Vince Edmondson

COMMITTEE HEADS

Auctions - John Jessup	Mo. Bowl Show - Darrell Holman
Breeders Award - Joe Paull	Bill Kent
Library - Nancy Griffin	Programs - Ruth Brewer
Membership - June Reece	Ways/Means - Kenny Warren/Bill Trout

COMMITTEE TO AID THOSE WHO MIGHT NEED FISH-HELP, ADVICE:

John Jessup - 534-1704	Darrell Holman - 532-3419
Pete Tietjen - 939-2638	Joe Paull - 591-9245

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COVER PICTURE: A Ted Gilbert cartoon reduced to cover size through the good offices of Ruth Brewer with special thanks to Greg Holland for his Xerographic expertise.

MINUTES OF BOARD OF GOVERNORS MEETING, MAY 1, 1980

Woody called the meeting to order, 8:05 pm, at Reece's.

Present: John Jessup, Gene Aldridge, Bill Trout, Dana Best, Pat and Maggi Mahoney, Darrell Holman, Ken and June Reese, Vince Edmondson, Ruth Brewer, Kenny Warren and Woody Griffin.

We have received a letter from Rod Balhorn, Livermore, CAL, requesting our input to a book he is putting together to be actual spawning experience by hobbyists. It was agreed that such a thing could be valuable, but that we must protect the club's and author's rights. We will write a letter asking for his bona fides, intentions and how many copies we would get if we participate.

Main topic of discussion was upcoming show and auction. Unfortunately the show committee-head was not present, so final details could not be reported on. Everything seems to be in hand. Auction committee is completely set up and ready. Time table for both days was discussed and finalized.

John, Gene and Darrell will donate extra styros to sell at the auction to the inevitable people who buy a lot and have nothing to take it home in.

Woody has suggested a club picnic for the 22nd of June. Bill Trout has made reservations at Lubber Run Park, where we can picnic, seine for fish. P.V.A.S. will provide hot dogs, hamburgers, rolls, charcoal and plastic/paper ware. Everyone else can bring a side dish of some sort if they want it. The June Delta Tale will carry all details.

John announced, to everyone's sorrow, that Dr. Jay Neil, one of the founders of the original Potomac Valley Guppy Club, has died of cancer at this home in Michigan.

Bill Trout has designed name badges for club members. Every one is to wear them at every meeting so that no one will be a stranger. A small fee will be charged if 1/ you don't wear yours or 2/ you lose it and it must be replaced.

Darrell's revised bowl show rules were discussed. It was agreed they need even further revision. Matter was tabled until July board meeting. It was agreed that every October or November the entire board should discuss the bowl show for the coming year and revise if necessary.

BAP discussed at great length. There should be a quarterly meeting of the BAP committee. It should be tied in more closely with the Board of Governors through participation of PVAS president as ex-officio committee member. There will be a BAP meeting soon to discuss revisions. A 2nd meeting to include all checkers and any other interested parties will then be scheduled.

June 5 board meeting at Ruth Brewers. Meeting adjourned at 10:25 pm

Respectfully submitted, Margaret E. Mahoney  
Recording Secretary

IN MEMORIAM

-JAY C. NEIL-

On Sunday morning the 13th of April 1980, one of the founders of the Potomac Valley Guppy Club passed away in Ovid, Michigan at age 86. Those in the hobby prior to 1971 remember when he used to own and run the Aquarian Supply Company on Georgia Avenue in D.C. then on Columbia Pike in south Arlington. To his legion of local friends and hobbyists he was known affectionately as "Doc." In the early 1960's the club members raised almost exclusively guppies, and Doc was one of its biggest exponents. He was never too busy to answer questions or talk about fish of all kinds.

If you ever met Doc you would never forget him. Until he returned to his childhood home in Ovid, Michigan, in 1971, they could always depend on him. The hobby has lost a good friend and champion with Doc's passing. Making people happier and more fully understanding the fish hobby were two of his main missions in life.

John and Gene

SPRING 1980 SHOW & AUCTION "GROSS" RESULTS

Dana -- when I called her -- said that all she had to date were 'gross figures', because all the bills were not in yet. No offense, but they sure don't sound very gross to me. Sound pretty 'neat' in fact.

Auction gross .....	\$2,271.00
1/3 (PVAS portion).....	757.00*
Raffle on 55 gal. tank set up...	577.00**
Misc. raffle .....	226.00
Entry fees, show.....	255.00

Above figures do not include sales of soda, air stones, hose, etc.etc.etc.

\* Our portion will be more than this because of several large donations from which the 2/3 does not have to be deducted.

\*\* This will be less the cost of the tank etc - not all profit.

MESSAGE FROM WOODY:

Well, fish lovers -- we did it! Our recent auction was by far the most successful in P.V.A.S history. As for the show, we had the best quality fish entered that we have seen in quite a time.

The success of the auction will allow us to subsidize the meat and drinks at our picnic this month; and we can have a first rate speaker at our fall banquet even if we have to bring him in from across the country. If anyone has a suggestion on whom they might like to hear, please let us know.

It would be very difficult for me to single out any one in particular for outstanding effort during the show week end, since I believe everyone on the board and show and auction committees put forth the best community effort I have ever personally been involved with.

I want to sincerely thank everyone. It was a pleasure to put on the show, auction and work with you all. Also, I would like to thank those who entered fish in the show and auction. Without their active participation those events couldn't have been such a winner.

Thanks everyone,  
Woody

P.S. -- See you at the picnic on June 22!

1980 POTOMAC VALLEY AQUARIUM SOCIETY SPRING SHOW RESULTS

CLASS I: LIVEBEARERS (24 entries)

- a. Delta Tail Guppies, male (4 entries)  
1st - Ken Fisher, half black red delta tail  
2nd - Ken Fisher, half black red delta tail  
3rd - Ken Fisher, half black red delta tail
- b. Delta Tail Guppies, female (3 entries)  
1st - Darrell Holman, white cobra  
2nd - Darrell Holman, green cobra  
3rd - Ken Fisher, half black
- c. Guppies, all other  
no entries
- d. Pollies (4 entries)  
1st - Darrell Holman, albino sailfin  
2nd - Darrell Holman, albino sailfin  
3rd - Darrell Holman, starburst
- e. Swordtails and Platies (9 entries)  
1st - Ken Fisher, blue/green metallic swordtail  
2nd - John Jessup, Hi-fin red Tux  
3rd - Ken Fisher, red twin bar platy
- f. Other livebearing fishes (4 entries)  
1st - John Mangan, red-tailed goodeid \*(Best of Class)  
2nd - John Mangan, Ameica splendens  
3rd - Pat & Maggi Mahoney, halfbeaks

CLASS II: EGGLAYERS, NON-CICHLID (87 entries)

- a. Catfish, Corydoras (4 entries)  
1st - Woody Griffin, Albino corydoras  
2nd - Mark Prendergast, Corydoras Schwartzi  
3rd - Sue Catlett, Corydoras elegans
- b. Catfish, African (7 entries)  
1st - Bill Kent, Synodontis davidi  
2nd - Kenny Warren, Synodontis multipunctatus  
3rd - Bill Trout, Synodontis brichardi
- c. Catfish, all other (8 entries)  
1st - Bill Kent, Pemodella  
2nd - Sue Catlett, Pemodella  
3rd - John Jessup, Stripetailed catfish

d. Betta Splendens (6 entries)

- 1st - Darrell Holman, red male
- 2nd - Bill Kent, red male
- 3rd - Sue Catlett, Gold male

e. All other Bettas and Anabantoids (9 entries)

- 1st - Sue Catlett, Gold gourami
- 2nd - Darrell Holman, Sunset gourami
- 3rd - Darrell Holman, Sunset gourami

f. Sharks and Loaches (9 entries)

- 1st - Mark Prendergast, Kuhli loach
- 2nd - Pat & Maggi Mahoney, Rainbow shark
- 3rd - Mark Terrell, Kuhli Loach

g. Tetras (10 entries)

- 1st - John Jessup, Crenuchus spilurus (Best of Class)
- 2nd - John Jessup, Alestes longipinnis
- 3rd - Woody Griffin, bleeding heart

h. Barbs (5 entries)

- 1st - Gerry Hoffman, Cherry barb
- 2nd - John Jessup, Hi-fin rosy
- 3rd - John Jessup, Puntius caudimaculata

i. Goldfish and Koi (8 entries)

- 1st - Terry Hoffman, Calico
- 2nd - John Jessup, Calico
- 3rd - Terry Hoffman, Red Oranda

j. Danios, Brachydanius, Rasboras (5 entries)

- 1st - John Jessup, Hi-fin zebra Danio
- 2nd - Pat & Maggi Mahoney, Rasbora het
- 3rd - Pat & Maggi Mahoney, Blue line Rasbora

k. Killifish (4 entries)

- 1st - Pat & Maggi Mahoney, Aphyosemion gardneri-gardneri
- 2nd - Darrell Holman, Nothobranchius kirki
- 3rd - Darrell Holman, Aphyosemion scheeli

l. Other egg-laying non-Cichlids (12 entries)

- 1st - Woody Griffin, Prochilodus insignis
- 2nd - Darrell Holman, Distichodus lusoco
- 3rd - John Jessup, Elongated hatchetfish

CLASS III: CICHLIDS (34 entries)

a. New World Large (Over 7 inches) (2 entries)

- 1st - Bill Kent, Red Oscar
- 2nd - Woody Griffin, Geophagus Juripari
- 3rd -

b. New World Medium (4 to 7 inches)(3 entries)

- 1st - Linda Brinsiki, Turquoise Discus
- 2nd - John Jessup, Aequidens Vivulatus
- 3rd - Woody Griffin, white Convict

c. New World Dwarf(Under 4 inches )(2 entries)

- 1st - Gerry Hoffman, Crenicara filementosa
- 2nd - Gene Aldridge, Geophagus Australe

d. Angelfish (4 entries)

- 1st - Woody Griffin, Black Lace(Best of Class,  
Best of Show)
- 2nd - Paul Painter - Silver
- 3rd - Gil Baldwin - Silver

e. Riftlake Mbuna (8 entries)

- 1st - Vince Edmondson, Pseudotropheus Ornatus
- 2nd - Woody Griffin, O.B. Zebra
- 3rd - Kenny Warren, Perspicax

f. Riftlake, non-Mbuna (11 entries)

- 1st - Gene Aldridge, Lamprologus Lelupi
- 2nd - Gene Aldridge, Limnochromis
- 3rd - Vince Edmondson, Electric blue

g. Non-riftlake African (1 entry)

- 1st - Gil Baldwin, Taeniatus

h. Cichlid pairs (3 entries)

- 1st - Woody Griffin, Geophagus australe
- 2nd - Darrell Holman, Kribensis
- 3rd - Wood Griffin, Clown Labidochromis

i. Other Cichlids (no entries)

CLASS IV: MARINE (3 entires)

a. Fishes ( 1 entry)

1st - Mark Merrell, Zebra Moray Eel (Best of Class)

b. Invertebrates (2 entries)

1st - Mark Merrell, Hermit Crab

2nd - Mark Prendergast, Cleaner Shrimp

CLASS V: SET TANKS (1 entry)

1st - Darrell Holman

CLASS VI: DEALER TANKS

CLASS VII: PHOTOGRAPHY (24 entries)

a. Color Slides (14 entries)

1st - Bill Trout,

2nd - Ruth Brewer

3rd - Bill Trout

b. Color prints (3 entries)

no prizes accepted

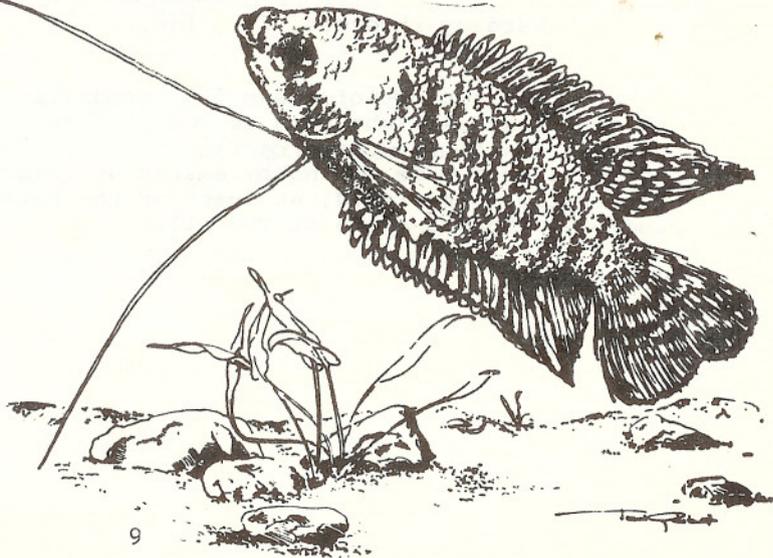
c. Black and white prints (7 entries)

1st - Ruth Brewer

2nd - Ruth Brewer

3rd - Ruth Brewer

(No best of class in photography)



# thanks

... the following national aquarium suppliers have donated to our auction raffle and our year-long raffle at monthly meetings. We thank them for their continued support and for the efforts in making the hobby easier, safer for the fish and increasingly more stable. Donators were:

Freshwater & Marine Aquarium Magazine

Tropical Fish Hobbyist Magazine

Aquarium Stock Company

Aquarium Systems, Inc.

Eugene G. Danner Mfg., Inc.

Rolf C. Hagen Corp.

Hartz Mountain of Canada

Jungle Labs Corp.

Kordon Corporation

Longlife Pet Products

Mardel Labs, Inc.

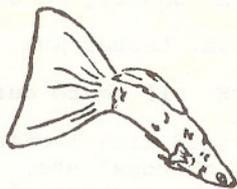
Marineland Aquarium Products

Ranco Manufacturing, Inc.

Wardley Products, Co., Inc.

The support of these fine companies is very important to all Aquarium Clubs such as ours. They help make it more fun through donations we can raffle off. They teach us about new products that make the hobby easier or safer. Their generosity is greatly appreciated, at least by the Potomac Valley Aquarium Society. Thanks again to you all.

## & thanks again



... to the following local Pet Shops who so generously donated raffle prizes for the auction; people, too:

Aldridges, Gene & Millie - A bucket of Tetra  
Cichlid Food, plus the tank Gene won in the auction

Annandale Pets - a 10 gallon tank

Bailey's Pet Center - a 10 gallon tank

Creatures & Critters - 8 oz. of TetraMin

G & G Aquatics - AquaKlear 1200

Clenmont Tropicals - Wheaton - \$10 gift certificate

Holman's, Darrell & Jeanette - 2 Hagen Aqua klears  
jungle products and Tetramin

Home Aquarium, - 29 gallon tank and hood with light

National PetLand, Alexandria - \$5 gift certificate

Showcase of Tropical Fish, wheaton - Dynaflo 150

Ocean Odyssey - 2 undergravel filters

Tropical Lagoon, Wheaton - 20 gal High tank

Tropical Lagoon, Bethesda - Dynaflo 150

Tyson's Pet Center - 20 long tank, full hood,  
Aqualogy I

# 1st Annual Spring Picnic

DATE: Sunday, June 22, 1980

PLACE: Lubber Run, Arlington County Park (see map)

TIME: 11 am to dusk - lunch at 1:00 pm

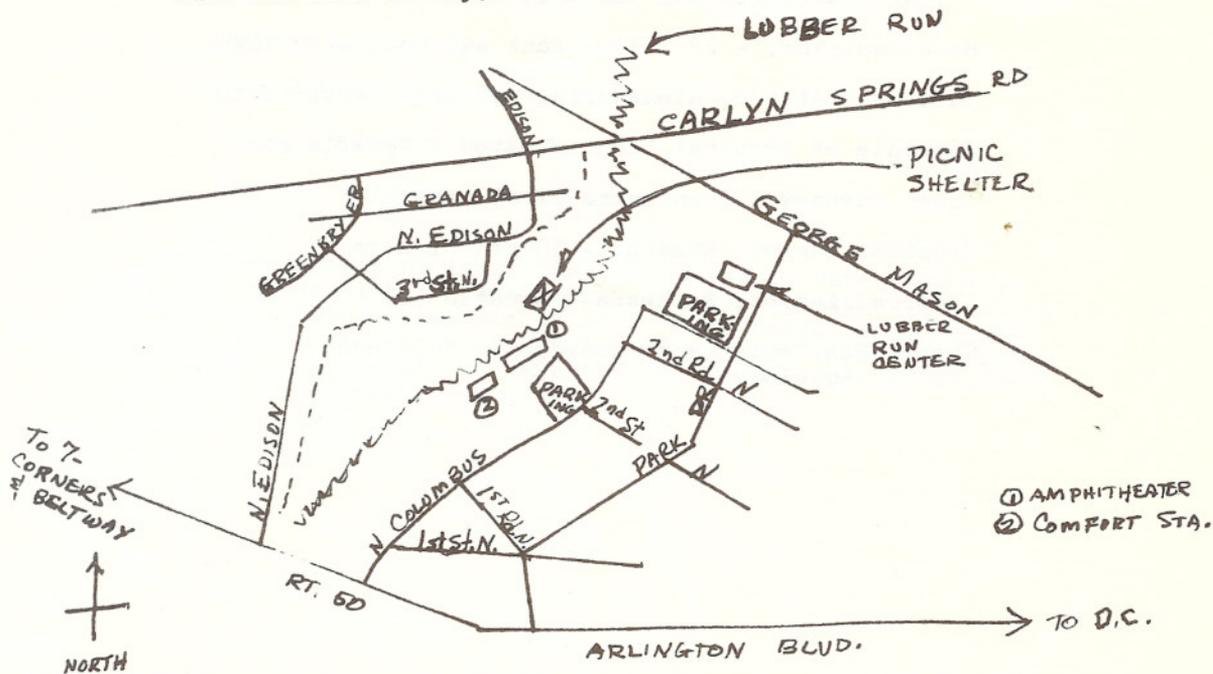
P.V.A.S will furnish meat, drinks (soft), plates, cutlery, napkins, charcoal etc. Bring your own side dishes to feed your own gang -- or share if you like.

Arlington County has certain rules and regulations which we must abide by (and Bill Trout, whose name is on the permit, will get the blame if anything goes wrong.)

Cars must be parked in designated areas. Fires can only be built in fireplaces provided. All trash and rubbish should be disposed of in receptacles provided. No alcoholic beverages are permitted. Loud music not permitted. We must be out by dark, with the area cleaned up and neat. We must take down any signs we've posted giving directions.

If you want to play baseball, badminton, horseshoes or whatever, bring your equipment -- come early, stay late. Bring a net and look for minnows in Lubber Run.

Woody -- if he hasn't already -- will be calling you to find out how many we can expect. A necessary item in order to know how much to buy.



LET'S TALK CICHLIDS  
by Edwin (Bud) Welty, The Youngstown Aquarist  
Youngstown Area Aquarium Society, June, 1978

It has been suggested that maybe the name of this series should be changed to "Let's Talk About Feeding". This may be right to a degree but one must remember that "Let's Talk Cichlids" has tried to discuss individual species as a secondary subject. The health of the fish should be everybody's aim and this only comes when one understands what fish need to become healthy and robust. Once you understand this you can take any specie of cichlid and give it proper care without actually knowing much about the fish. Once you understand care then everything else will fall into place.

The main reason I write so much about feeding is because I'm aware of the lack of importance that most, and I repeat most, hobbyists put on feeding. As long as their fish are swimming they feel that their diet is proper. I've witnessed people buying complete set-ups and their total bill could wipe out the national debt. The best aquarium, stand, light, 28 tons of gravel and rocks, every kind of plastic plant and ornament and of course 179 different species of expensive fish and don't forget the 45 different pumps and filters. Last but not least, the 49 cent package of JO JO's miracle diet dry food that's guaranteed not to cloud the water because of the new miracle drying process that completely wipes out all the useless ingredients such as vitamins and nutrients.

Another reason feeding should be discussed as often as possible is because most people don't understand their own dietary needs let alone their fishes. Most doctors are now beginning to realize that diet is the key to health and happiness. In fact, some are beginning to see that a proper diet also has a lot to do with mental health, and some say that proper diet may solve 90% of all health problems. Now if this is true then it would also be the answer to all other wild life. In the wild, animals seek out foods that they have adapted to eat and this adaptation is a well balanced diet that gives them all the vitamins and minerals needed to keep them in proper health.

Tropical fish in their home waters also seek out a proper diet and it seems that Mother Nature supplied them with a built-in knowledge of what they need to keep fit and healthy. In the home aquarium they cannot search out their dietary needs but must depend on what is dropped into the tank by their owners.

Have you ever asked yourself why a particular species of fish is twice the size as yours even when you gave them a large aquarium and cared for them to the best of your ability? The answer is probably diet, both in quality and quantity to obtain full growth. Detailed information of food requirements of fishes is limited to a relatively

few species of food fishes such as trout, bass and salmon. Very few studies have been done from freshwater and marine environments and most of the information on tropicals have been from the hobbyist.

Studies have proven that fish are very efficient in utilizing their food. They have found that simply by measuring the weight of food given you can chart the growth and weight gains in your food fishes. For instance, they have found that trout will gain one pound of weight for every 3 1/2 pounds of food consumed; this is with a high quality diet that has been prepared from years of study. A poorer diet has a conversion factor of 8 pounds of food to one pound of weight gain. Now although they talk in weight gain the growth rate was also directly related to diet.

Growth rate also depends on quality and quantity fed. Certain types of foods are harder to digest and have a much higher conversion rate because of the inability of the fish to digest certain parts of the foods fed. For instance, fish that are fed a lot of adult brine shrimp and daphnia would have to be fed higher quantities of this food because of the indigestible roughage which is their shell. These crustacean shells are almost 100% protein but it is all of the same substance that fingernails are made of and is completely indigestible. So maybe (and this is just a guess) 1/2 pound of every pound of brine shrimp fed could not be digested, so two pounds would have to be fed to get the needed nutrients. Also fish fed a heavy vegetable diet would need more because greens are harder to digest and harder to utilize all the vitamins and minerals. Greens also have a high percentage of roughage which cannot be absorbed into useful body building materials. What this means is that if you feed X amount of food daily you should chart what you are feeding and double the amounts given when feeding greens and crustaceans. If you feed X amount of beef heart, smelt and dryfood daily this may be enough for proper growth but when you feed heavy greens and adult brine, then you should double the amount to obtain the same growth.

Experiments show that growth rate is greater in fishes that are fed natural foods as compared to fish that were fed artificial foods. Artificial foods are prepared types such as dry foods, trout chow, etc. Natural foods are considered insects, meats (beef heart), fish and natural greens such as algae, spinach, and lettuce.

Experiments on trout showed that the fish fed on natural foods had meat of a lower water and higher protein content, despite the fact that the artificial diet was higher in protein and vitamins. This is an excellent reason for going out of your way to put more natural foods into your fishes' diet.

I've stated many times that feeding is an art and that there are few artists in the tropical fish hobby. This is not an insult, just a fact that to me, is sad. That is why certain people have the ability

to raise their fish to amazing sizes compared to other people. With proper conditions fish have the ability to utilize all foods consumed by as high as 80 or 90 percent. But as the conditions worsen, their ability to utilize the food lessens. Environmental stress such as colder waters, overcrowding, poor water conditions, etc., all retard their growth by making their body less efficient in breaking foods down into body building materials. This is the reason why if you don't practice proper aquarium maintenance, no matter what the diet, your fish won't grow properly.

I had someone say to me once that nobody feeds as much or as good as they do. This was probably true but why then did my fish grow faster, were overall slightly larger and why did they have brighter colors. The reason was given but it was not believed because in a way it was a little unbelievable. The fact is that fish can utilize food much more efficiently after fasting. Continuous feeding means the fish are overfed and it also means that the food is absorbed less efficiently than the fish that has been allowed to clean their system out. What happens is the continuous filling of the digestive system in a sense hurries up the process thus not giving the food time to be broken down into useful materials. In fact, if you would run tests on their waste products you would find partially digested foods that will add to the well being of bacteria thus a rise in harmful substances in the tank, also the ammonia count will be up because of the constant digestive processes.

How much should you feed your fish? Well, first you must know if they're herbivorous or carnivorous. The reason is plant or plankton eaters need much more than carnivores. The reason is although many of your plant life have higher nutritive values than animal flesh, they contain a much higher percentage of water and all of your algae have only half the caloric value and less protein.

I've always fed as many different kinds of foods that were available (sometimes as high as 24 kinds) and I feed them no less than 4 times daily. With each time filling them up. I space their feeding on an equal time scale which means that if I plan on four feedings on a particular day, then divide four into the available hours (16) and thus you would feed every four hours. If I plan on feeding more often or less, then the same rule is applied. I've found that the equal spacing of meals helps in a more complete digestion of the previous meal. Each meal may consist of a large variety of foods, I seldom feed only one type at any meal. This large variety of foods is a sort of hit and miss deal that unknowingly gives them all the nutrients needed to grow.

Half-grown or adult fish have an amazing ability to survive long periods of starvation. What happens is that they are able to live off first their body fats and then their excess protein. Some of your freshwater eels can go as long as one year without eating. It seems the digestive system degenerates and becomes non-functional.

The temperature is the single most important factor in amount of foods consumed. For instance, in warmer waters fish may need to be fed 35% of their body weight weekly to obtain proper growth and health or 5% daily. In the winter their needs may drop all the way to 1% of body weight daily. Now if you apply this to your home aquarium then a constant temperature would demand a consistent amount of food daily to keep the proper growth and health and on increasing and decreasing temperatures then amounts should be adjusted accordingly.

A very important item that should be covered is that daily rations should also vary with the sizes of fishes. Small fish have a higher metabolic rate than larger fishes which means small fish should be fed more often and more per body weight than your larger fish. For example tests have shown that smaller fish may take in 8 to 10% daily rations (of their own body weight) as compared to the larger fishes' 5%. So use a little common sense and let your fish grow instead of retarding their growth. Thank you for listening and THINK CICHLIDS!

H O  
S P -----  
A D  
R N FOR SALE: Pair of Bala Sharks, (7 and 6 inches) \$25;  
O U parents and five 2½" young  
adults, \$15; Pseudotropheus elongatus colony, 4"  
parents and five 2½" young adults, \$12; Two large  
trios Albino Corydoras, \$6 per trio; Melanachromis  
Chipokae fry, 1" - \$1 each.

Call Pat or Maggi Mahoney at 534-0006 after 5:00 or  
on week end.



BAP COMMITTEE AND CHECKERS:

If you would like to get into the Breeders Award Program, or have additional spawns to report, here are the folks to call. (Remember that any member in good standing can sign in a 10 point spawn.)

Alexandria/Arlington - Dana Best, 548-1868  
Darrell Holman, 532-3419

Fairfax City - Joe Paull, 591-9245

Fairfax County - Pat Mahoney, 534-0006

Falls Church - Ruth Brewer, 893-6997

Warrenton - Gerry Hoffman, 347-7486

Prince George's County - Tom Wright, 345-7486

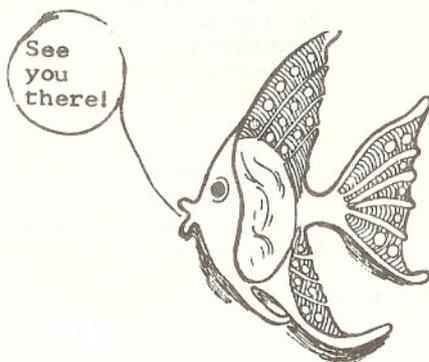
Montgomery County - Nancy or Woody Griffin, 949-1290

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June Meeting

The program for June was to have been John Jessup, sharing his fish experience and giving pointers on judging fish. Unfortunately his employers did not cooperate with us and have scheduled a trip out west on the day before the June meeting.

However, Ruth always comes up with something interesting so don't despair. John will be rescheduled sometime later in the year ---and the June meeting will be an interesting one, whatever gets plugged in. We'll talk about the picnic, (details elsewhere in this issue), re-hash the spring show and auction, bowl show, raffle prizes and all the usual.



BOWL SHOW RESULTS & STANDINGS, MAY, 1980

CICHLIDS

EGGLAYER/LIVEBEARERS

New World Mouthbrooders

Goldfish, Koi

No entires

1st - Telescope, Suzann Reynolds  
2nd - Chocolate Oranda, D. Holman  
3rd - Chocolate Oranda, D. Holman

Pseudotropheus

Characins & Tetras

1st - Kenyi, P&M Mahoney  
2nd - Tropheops - Bill Kent  
3rd - Ornatius - P&M Mahoney

1st - Emperor Tetra - P&M Mahoney  
2nd - bleeding heart, Suzann Reynolds  
3rd - Black Tetra, Suzann Reynolds

Open

Open

1st - Burtoni - P&M Mahoney  
2nd - Leleupi - P&M Mahoney  
3rd - Moorii - P&M Mahoney

1st - Starburst molly - D. Holman  
2nd - Clown loach - P&M Mahoney  
3rd - Lyretail Molly - D. Holman

STANDINGS TO DATE: CICHLIDS

<u>NAME</u>	<u>MONTH</u>	<u>QUARTER</u>	<u>YEAR</u>
Pat & Maggi Mahoney	20	41	61
Bill Kent	4	8	12
K. Warren	0	0	44
D. Holman	0	0	38
G. Neece	00	0	23

STANDINGS TO DATE: EGGLAYERS/LIVEBEARS

D. Holman	15	34	58
Suzann Reynolds	14	28	45
Pat & Maggi Mahoney	13	22	80
Bill Kent	2	4	5
Garland Neece	0	0	11
Kenny Warren	0	0	3
J. Reece	0	1	1

BOWL SHOW CATAGORIES FOR JUNE, 1980

CICHLIDS

EGGLAYER/LIVEBEARERS

New World Large

Anabantids

Riftlake Mbuna

Catfish, Corydorus

Open

Open

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

FIRST CLASS MAIL

1980 MEETING DATES

JAN. 14	APR. 14	JUL. 14	OCT. 13
FEB. 11	MAY 12	AUG. 11	NOV. 17
MAR. 10	JUN. 9	SEP. 8	DEC. 8

Meetings are held at the Coca-Cola Bottling Plant, 5401 Seminary Road, Bailey's Crossroads, Alexandria, Virginia. Meetings start at 8 p.m., Bowl Show Registration at 7:45 p.m. -- Doors open at 7:30 p.m.