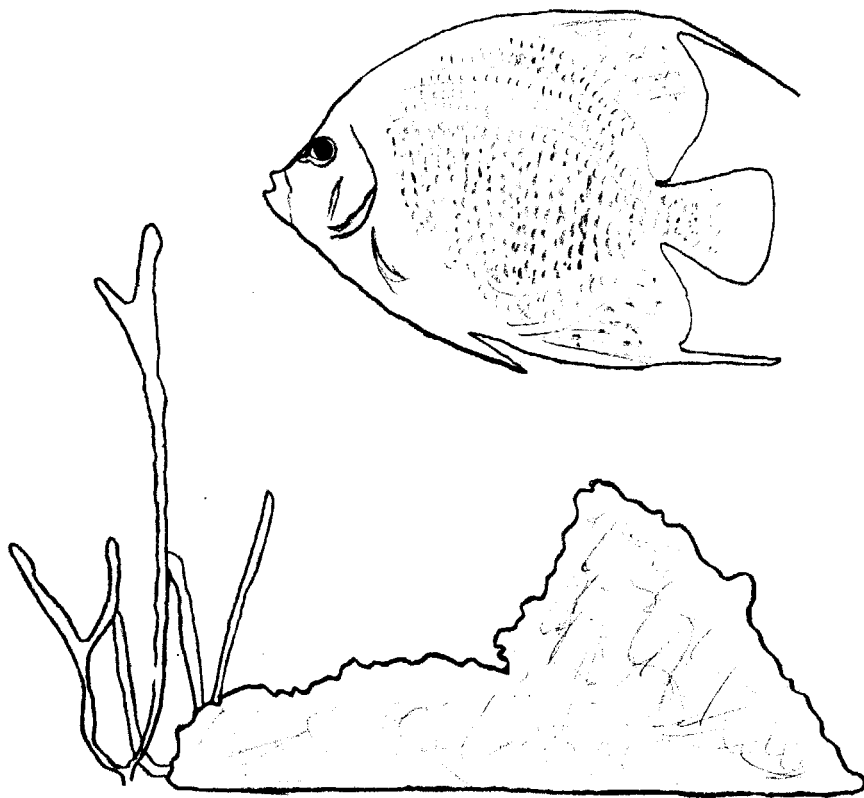


DELTA TALK

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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, Virginia, 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.

All materials for inclusion in the DELTA TALE must reach the editor no later than the Saturday after the monthly Monday meeting.

OFFICERS FOR 1974

President	Mike Sprague	Corresponding Sec.	Chuck Story
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Recording Secretary	Joe Bennett		

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Gene Aldridge	Ted Kutzlo	John Wolcott
John Jessup	Perry Ragan	

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Editor	Susan Sprague
Staff Writers	Ruth Brewer, Jerry Meola

Next regular meeting December 9, 1974 CHRISTMAS PARTY

Vol. 5 Issue 12

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COVER

This month's cover is of an adult French Angelfish.

POTOMAC VALLEY AQUARIUM SOCIETY

TROPICAL FISH SHOW - FALL 1974

RESULTS

FANCY GUPPY CLASS

<u>RED</u>	<u>BLUE/GREEN</u>	<u>AOC BiColor</u>
1st Poulsen	Harvey	Sergent
2nd Harvey	Sergent	Harvey
3rd Poulsen	Sergent	Nelson
<u>AOC</u>	<u>H/B RED</u>	<u>H/B AOC</u>
1st Harvey	McCorkle	Harvey
2nd Harvey	Sergent	McCorkle
3rd ---	Sergent	McCorkle
<u>SNAKESKIN</u>	<u>FEMALE</u>	<u>2 MATCHED MALES</u>
1st Nelson	Walsh	Sergent
2nd Sergent	Walsh	Sergent
3rd Harvey	Sergent	McCorkle
<u>3 MATCHED FEMALES</u>	<u>5 MATCHES MALES</u>	<u>BEST OF SHOW</u>
1st Walsh	Poulsen	McCorkle
2nd McCorkle	Wolcott	
3rd ----	Walsh	

LIVEBEARER CLASS

<u>FANCY SWORDTAILS</u>	<u>FANCY PLATIES</u>	<u>FANCY MOLLIES</u>
1st Harver	---	Holly
2nd A. Hirschman	---	---
3rd Story	---	---
<u>REG. OPEN</u>	<u>BEST OF SHOW</u>	
1st Mathias	Harver	
2nd A. Hirschman		
3rd -----		

SET TANKS

Young

DEALER TANK

Rosehill Pets

	<u>EGGLAYER CLASS</u>	
<u>CATFISH-CORYDORAS</u>	<u>CATFISH-ALL OTHER</u>	<u>ANABANTOIDS</u>
1st A. Hirschman	B. Hardy	Mathias
2nd A. Hirschman	Raber	Mayhew
3rd Smith	Jessup	Ragan
<u>BETTAS</u>	<u>SHARKS & LOACHES</u>	<u>CHARACINS, TETRAS</u>
1st A. Hirschman	Williams	Kelley
2nd M. Young	Kelley	Jessup
3rd Smith	Smith	Mathias
<u>BARBS</u>	<u>KILLIFISH</u>	<u>NATIVE AMERICAN</u>
1st Smith	Kelley	Kelley
2nd Hirschman	Kelley	Kelley
3rd Smith	Sprague	---
<u>OPEN</u>	<u>BEST OF SHOW</u>	
1st Fetta		
2nd Bennett	Mathias	
3rd Hirschman		
	<u>CICHLID CLASS</u>	
	<u>CENTRAL & SOUTH AMERICAN</u>	
<u>NON DWARF</u>	<u>DWARF</u>	<u>ANGELFISH</u>
1st Brensike	Jessup	Owens
2nd Hardy	Jessup	Bennett
3rd Swiech	---	Bennett
	<u>AFRICAN</u>	
<u>RIFTLAKE MBUNA</u>	<u>RIFTLAKE NON-MBUNA</u>	<u>TILAPIA</u>
1st Meola	Jessup	Jessup
2nd Jessup	Aldridge	---
3rd Aldridge	Aldridge	---
<u>HAPLOCHROMIS</u>	<u>NON-RIFTLAKE</u>	<u>RIFTLAKE PAIRS</u>
1st Story	Jessup	Aldridge
2nd Jessup	Jessup	Meola
3rd Jessup	Jessup	Aldridge
<u>NON-RIFTLAKE PAIRS</u>	<u>OPEN</u>	
1st Jessup	E. Hirschman	<u>BEST OF SHOW</u>
2nd Jessup	----	
3rd ---	----	Jessup

Now it is time to give many thanks to individuals who helped make our show a success. If there is anyone I inadvertently forget to thank, it's only because I'm going by lists made by others and whatever I can remember personally. Please forgive any omissions.

TROPHY DONATIONS AND PLEDGES

G. Aldridge	Mr.&Mrs. G. Sergent	<u>FLEDGED BUT NOT PAID</u>
Balt. Guppy Club	J. Shaull	Mr.&Mrs. J. Bennett
Mr.&Mrs. D. DeRoze	S. Siska	B. Cunningham
Dr.&Mrs. J. Jessup	Mr.&Mrs. M. Sprague	Mr.&Mrs. C. Hardy
T. Kutzlo	Mr.&Mrs. C. Story	P. Ragan
R. Lloyd	C. Tingen	Mr.&Mrs. B. Smith
G. Meola	T. Walsh	
Mr.&Mrs. W. Poulsen	J. Wolcott	

SHOPS & INDIVIDUALS DONATING TO RAFFLE

Aquarium Supply 29gal. tank, stand, top
 Glenmont Tropicals \$5.00 gift certificate
 Fish Limited, Annandale Breedmore salt starter set
 Puppy Palace, Springfield Mall 24" Stow-a-lite
 Fish Bowl I & II 30" glass canopy
 National Petland \$5.00 gift certificate
 Mary's Tropical Fish Shop can of flake food
 O'Dell Manufacturing Inc. 10gal. tank
 Pride of Suffolk-Ken Buchanan large box of assorted food & med.
 Gene Aldridge fish book, wax rock decoration, Kordon airstones
 Gene Sergent 15gal. all glass tank

JUDGES

Gene Aldridge PVAS, AANCA, ACA	Helen & Charles McCorkle
Dick Baker Tidewater Aq. Society	Balt. Guppy Club
Bud Hampshire Tidewater Aq. Society	Bill Nelson Balt. Guppy Club
Clarence Ludlow ACA, former PVAS	Gene Sergent IFGA judge, PVAS
Ron Macklek former PVAS	Ed Taylor Tidewater Aq. Soc.
Wayne Mathias Balt. Guppy Club	John Wolcott IFGA judge, PVAS

Thanks are also in order to Bob Smith for all the paper goods used for the show and the use of his trailer for moving racks, etc.

Thanks to Silverman's for the loan of their truck for moving racks, saw horses, bowls, etc.

Special thanks go to Craig Tingen for fishsitting for many hours after the show when most of us went home to rest and get some sleep.

The Editor

Here are a few words from our newest group--The Coral Reefs Saltwater Club.

Anything that will help us to our feet and success is openly solicited. We have the beginning of a great club--one which has something for all--education and expansion of our hobby knowledge, thus making it more enjoyable and less costly (through trial and error of each of us) and the enjoyment of socializing with others who understand what we mean when we say we have oodinium in our tanks or we just saw the greatest Queen Angel.

ACCLIMATION

by Loren Wilson

Is it necessary? If so, how important is it. In my experience the correct acclimation of your new fish is the difference between their rapid death or the healthy fish we all want in our tanks.

The most important first steps are to buy a healthy animal and get it home as fast as possible. The necessary equipment can vary according to your space and money. Minimum necessities are: 1½ gallon rectangular bowl, plastic tubing to supply air and siphon water from your tank, air stone, ten gallon tank set-up just as you would your main tank, nets and related equipment to be used only with the acclimation tank.

Now that you have your equipment and tank with active filter bed! --your fish in your hand; you can start the slow and most of the time nerve racking acclimation process.

First, put your fish and the water you carried him home in into the 1½ gallon container. Connect your air stone so the water is gently aggitated. Start your siphon tube and add water flow so you fill your tank to the gallon mark in a one hour period. You can use an air valve to adjust water flow. Next, add 16 drops of formaldehyde (purchased at your local drug store) and increase air stone output by at least three times your starting volume. After one hour, gently net your fish into your acclimation tank. If your fish develops oodinium, a double dosage usually cures it with no problem. If no problems arise, add a normal dosage of quinine sulfate every three days for a period not less than ten days to two weeks. If problems such as a light case of oodinium occur, your fish must stay in the acclimation tank ten days to two weeks after the last white spot is gone.

I have many tanks of healthy fish that went through this process. The only fish I have lost using this process are the ones

that would not eat. There is also no chance of infecting already healthy fish.

ANNOUNCEMENTS

From the Editor

Our December meeting is the Annual Christmas Party. It will be a pot luck affair. Genny Story is in charge of contacting members to find out what you can bring. Susan Sprague is helping Genny get it all together. If by any chance you aren't contacted, please call either of the above if you would like to bring something.

Your entrance into the Party is a gift wrapped aquarium related item-nothing alive-of a dollar value or a dollar in cash to cover the cost of supplying gifts for everyone if you can't bring something. This gift applies to everyone coming including children i.e. one gift per entrant.

We will have a special raffle of a tank, stand, and cover (not sure of the size yet).

I would like to stress again when the articles for Delta Tale are due since there seems to be a misunderstanding. They must reach me no later than the Saturday after the monthly Monday meeting. The reason is so that the membership can receive the Delta Tale in enough time before the next monthly meeting because of meeting dates and bowl show classifications.

I will be putting out an abbreviated magazine since the cost of printing has increased by 25%.

Anyone who is interested in doing artwork (or whose arm I can twist) I would very much appreciate if they would get in contact with me. I am to the point where I have to reuse pictures already published in previous issues. It would be nice to have some fresh ideas. Also I'm always ready to consider publishing anything presented to me. Club members articles are much more interesting than reprints since they would be from people we know personally.

MEMBERSHIP AND THINGS

The following memberships expire this month:
Eileen Peach Terry Wasylink
Dana Miller

Please complete the enclosed renewal form and mail with your check to: PVAS, Shirlington Station, P.O. Box 6219, Arlington, Va. 22206

SORTIN' THE PEAT

By: Mike Wilson

Reprinted from The Colorado
✓ Aquarist, May 1973

One of the points in breeding short term incubation killies when one sometimes falters is in the raising of the sometimes delicate fry to maturity. Getting the adult fishes to spawn is usually not too difficult. All that is needed is a spawning medium which is acceptable to the spawning habits of the species, a regular feeding and water changing schedule and of course, a pair. Once the eggs are spawned, the survival of the fry is up to you.

Let us assume you have just gone through a mop and gathered a couple dozen eggs; now you must decide how you want to incubate them. I go about collecting and storing eggs which are water incubated as follows: Pick the eggs off the mop about every 3-4 days (when changing 50% of the water). Put the eggs into water which has been drawn hot and allowed to cool. I have had better results with this than with water from the spawning tank. I use plastic fish food containers (you wouldn't believe how many of these you can get if you inform a few aquarist friends that you're after them) and I seem to approximate the results with these as with the shallow petrie dishes I used to use.

Acriflavine is the only fungicide which seems to be really effective in preventing the fungusing of eggs. Methelyne blue seems not to help and in high concentrations seems to be a hazard. Malachite green is often recommended but I find that the death rate of the eggs is higher with this than if nothing else is added to the water besides the eggs. Acriflavine seems to help prevent the fungusing of eggs tremendously and even an egg which has fungal filaments will generally not spread the infection to the other eggs. If used in too great a concentration however, acriflavine will lengthen the normal incubation period of the eggs. I have kept *Jordanella floridae* eggs (incubation: 5-7 days) from hatching for 2½ weeks and *A. gardneri* (2 weeks) for over a month in strong concentrations of acriflavine. When the eggs are fully developed and you are ready to hatch them, just put them into fresh water and in a day or two they'll hatch, unless you force hatch them (topic for a future article).

Anyway, back to our eggs. When they begin developing eyes that are ringed with gold, they are near hatching. At this time the fry will wriggle visibly within it's shell. After the fry hatch, you had better get ready to begin feeding them either (or preferably both) newly hatched brine shrimp or microworms. There are very few fry not able to take such first foods. After most

killie fry hatch they begin searching for food in a couple of hours. It is of no interest to them (as a rule) if the food doesn't move. Feed them twice a day minimum, with enough to stretch their bellies.

A batch of a dozen or so fry will do very well for a couple of weeks in small refrigerator dishes or other similar containers. After this, the batch will do very nicely in a gallon jar or small tank till they are an inch or so long. Begin feeding them as varied a diet as possible, as soon as possible. Chopped tubifex is a fine food after the fry are over $\frac{1}{2}$ " in length. The fry will eat this till they look as if they'll burst.

As the fry approach the one inch size, move them to larger quarters. For maximum growth potential, raise your specimens in a sufficiently large tank. A ten gallon is about right for raising 20 specimens of most killies to full size. If the fish is larger, use your own judgement on tank size. Most short term water incubated killies don't get past the 3 inch mark when mature so tens or fifteens are usually sufficiently large. Larger numbers of killies will of course require larger quarters and annuals, growing either very quickly or getting very large (or both) should get larger quarters. They should also get more frequent water changes than their non-annual cousins.

I feel that the most important part in raising killies (or other fish as well) is in the water changing schedule. It should be frequent. When one has a number of fish in a tank it is imperative that at least 50% of the water is changed per week. I try to change at least 50% of the water in each tank, regardless of the population, twice a week. Contrary to popular belief, killies are not an old water fish. If they are acclimated to a massive water changing schedule, they will certainly be none the worse for it. The fry will even grow at a more fantastic rate than before when they were raised in old water when they grew faster than the proverbial weed.

In conclusion, there are several points which should be brought out about the raising of killies:

1. Keep the eggs under clean conditions where possible and use effective fungicide like acriflavine.
2. Feed your fry upon the most nutritious live foods. If it is stationary and doesn't move they aren't interested.
3. Keep the fry in small containers unless you have a heck of a lot of fry. As they grow, move them to larger containers. In the first few weeks keep the fry in shallow water. Killie fry are either top or bottom dwellers and a lot of food could go unnoticed in deep water.

4. Keep changing that water!! Keep the fry in better than locker room conditions.

Well, that's it (almost). Killies are not any harder than good livebearers to raise you know. They just need a bit more understanding!

MEETING NOTICES

Board meeting
December 3 8:00p.m.
John Jessup
1065 N. Manchester St.
Arlington, Va.
534-1704 RSVP

Cichlid club
December 18 8:00p.m.
Mike & Susan Sprague
6708 N. 18th St.
Arlington, Va.
534-7487 RSVP

Saltwater club
December 8 4:00pm
Pat & Sherrill Tobin
3140 Wisconsin, NW
Washington, D.C.
244-2960 RSVP

TRADING POST

Steve Siska 261-7923
Br. pr. L. fuelleborni
(m-red top, f-mottled) \$10.00
Br. pr. L. trewavassae
(blue-top) 10.00
Br. trio I. sprengarae 12.00
P. lucerna fry
M. vermivorus fry
P. johanni fry
L. trewavassae fry (blue-top)
L. fuelleborni fry
P. zebra fry (tangerine)
P. zebra fry (cobalt blue)

Mike & Susan Sprague 534-7487
L. fuelleborni female
(wild) 5"+ \$ 5.00
L. brichardi (formerly
L. savoryi elongatus)
1" 1.50
Gold severums 2½"+ (2)
M. melanopterus male 5" 6.00
M. simulans pr. 5" 15.00

I have been informed by a member of American Angel Freaks that this organization no longer exists.

Another national group Goldfish Society of America
% Dick Law
318 Dorova St.
San Francisco, Calif. 94112

Anyone knowing of any Saltwater clubs in the U.S., our Saltwater group would like to know the name and who to contact. Let the Editor know c/o our post office box.

Something I've been meaning to mention for quite a while and I either forget or I end up with no room. Our own John Wolcott became sanctioned IFGA judge #27 in May. He was also #2 in IFGA half-black AOC class for the 1974 season. Quite a guy!!!