



May 28, 2008

# tideline aquatics Newsletter

## Tideline Aquatics Store Hours

Monday – Friday 11am-7pm  
Saturday 10am-6pm  
Sundays 1pm-5pm

## PLANTS THAT PERFORM WELL UNDER LOW LIGHT



You do not have to have intense lighting or fancy filtration to keep live plants as long as you understand your limits with the varieties of live plants you can house successfully. There are quite a few beautiful live plants that will thrive under standard wattage fluorescent fixtures using a lamp designed for growing live plants. This, along with a weekly fertilizer additive designed for aquatic plants, will allow you to maintain live plants without much fuss or extra cost.

### **Java Fern (*Microsorium pteropus*)**



Java Fern has the appearance of a common Amazon sword plant. This plant prefers low light conditions and should never be planted into the substrate. Instead, the rhizome should be attached to driftwood and/or decorative rock using fishing line or loosely fitting rubber bands until the fine hair-like roots attach the plant. This plant can cover an entire rock quickly once established. Reaching about 8” in height, small baby plants grow from the tips of the leaves which are easily removed and attached elsewhere to propagate this plant. You can also cut a section of the rhizome that contains leaves and attach it to another area of the tank. Most fish refuse to eat Java Fern as it supposedly has a bitter taste. Java Fern can be grown in soft water, hard water and even brackish water conditions.

### **Java Moss (*Vesicularia dubayana*)**



Java Moss makes a thick carpet on anything you or it attaches to. Take small pieces and attach it to rocks using fishing line and once established, it will cover the rock. The rocks can be lifted from the aquarium and trimmed to the desired height and form allowing you to create an interesting feature along the bottom of your aquarium. Java Moss is extremely hardy (some say too hardy) and will need to be trimmed regularly to prevent it from covering everything in the aquarium! It can be attached to roots, driftwood, ornaments – well anything. This is the perfect plant to use in aquariums where you may want to protect fry fish. When attached to floating pieces of cork, it makes an outstanding media for fish like gouramis and bettas to build

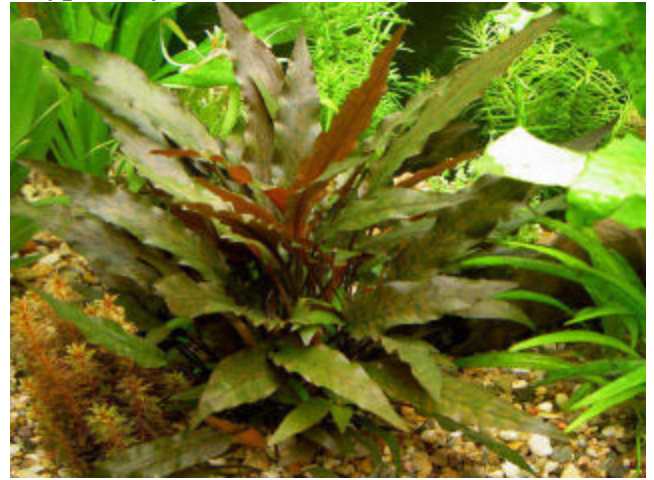
bubble nests within. Java Moss will survive in soft water, hard water and mildly brackish water.

### **Anubias species (Anubias sp.)**



When writing this newsletter, I (Chris) always learn something new myself. In this case, I have been misspelling the word Anubias as Anubius for 20+ years! Anyway, Anubias plants have the appearance of an underwater philodendron. Depending on the variety, the leaves can be rounded, long and narrow and even forked. There are small varieties for using as a foreground (Anubias barteri var. nana) and larger forms for using as background plants (Anubias hastifolia). Nearly all of the Anubias plants available are extremely hardy if cared for properly. These plants grow from the stolon (thick stem from where the leaves sprout) that should never be buried in the substrate. Instead, only the roots should be covered. Anubias will thrive on driftwood and rockwork as well. Because these plants tend to extremely slow growing, low light conditions are best. Under bright light, the plant will thrive but algae will begin growing on the leaves taking away the beauty of this majestic family of aquatic plants. Under low light, algae may still grow but can easily be removed by fish like Otocinclus, Siamensis Flying Foxes, Japonica Shrimp and/or Rubber Plecostomus. Avoid common Hypostomus plecostomus as they will damage the leaves enough to warrant removal. This is one of the few aquarium plants that flowers under water with a peace lily-like flower. These plants are considered one of the hardiest of all aquarium plants surviving in a pH of 5.5 to 8.0! Though Anubias are more expensive, you will likely never have to replace it!

### **Cryptocoryne wendtii (no common name)**



There are numerous Cryptocoryne varieties available to the hobby but Crypt. wendtii is by far the hardiest one of all. This plant will thrive in both low and extreme lighting conditions. Crypt. wendtii should be planted directly into the gravel (fine gravel is preferred). If left alone, it will eventually begin sending runners under the substrate forming large clumps throughout the aquarium. Crypts do not like to be moved. When you first obtain your plant, it may shed most of its leaves in the first couple of weeks but do not discard the plant, it will quickly recover sending out masses of new foliage. Crypt. wendtii has been hybridized over the years with red, brown, green and even bronze foliage varieties now available on a regular basis. We sell this plant either by the stem or in clumps. The clumped plants suffer less root damage and tend to suffer less when moved. The only issue Crypts suffer from is temperature shock. Always acclimate this plant slowly and avoid moving it quickly into another tank. This is the perfect plant to use in the middle areas of your aquarium. Due to the soft foliage, avoid this plant in aquariums containing fish that eat live plants (silver dollars, severums, uarus, etc).

Now you have the perfect combination of plants to use in a low-light aquarium setting. Place your lights on a timer so the plants will be given a regular light cycle of 8-10 hours per day. Add a liquid plant fertilizer (Kent Plant Supplement, Seachem Flourish, etc) weekly and do your regular 25% monthly partial water changes. Remember that fluorescent lamps should be replaced at least once every 10 months for optimum growth. Keep your glass tops clean so that the beneficial spectrum of light can reach

your plants. Clouded glass tops will kill your live plants! When vacuuming the gravel, do not come too close to the root structure of your live plants. Vacuum about 2" away from the base of plants rooted in the substrate.



**BE SURE TO CHECK OUT NEW ARRIVALS THIS WEEK – OUR SELECTION IS HUGE!!!!!!!**

**HOME AQUARIUM SERVICING UPDATE AS OF JUNE 1, 2008**

Beginning on June 1<sup>st</sup>, we will no longer be servicing home aquariums. We began this venture about four months ago. Though we had established many clients, sky rocketing fuel costs have taken a large bite into making aquarium servicing profitable on a small scale. It has also caused increased wait time to our customers at the store with two employees out servicing tanks every Thursday and Friday. If you are one of our service accounts, you will soon receive a letter from Tideline Aquatics concerning our end to home aquarium servicing. We regret any inconvenience this may cause to you. We are referring all home servicing to Jason Sack from Aquatic Creations. He, his partner and their staff will be available to set up scheduling for any of our home aquarium maintenance accounts that would like to have them service their aquarium. All livestock and supplies will still be purchased from Tideline Aquatics to use in your home aquarium. We have thoroughly discussed our method of aquarium servicing with them and they have agreed to carry on the extent of cleaning that we provided to your aquarium. You can reach Jason directly at (843) 813-5006. If you have ANY problems getting in touch with them, call us at the store and we will ensure you are contacted that day. Ben and I (Chris) look

forward to being back at the store to reduce wait time to you, our customers.

**CMAC MEETING THIS SATURDAY NIGHT AT TIDELINE AQUATICS!**

This Saturday night at 7:00pm sharp, Tideline is fortunate enough to host the Columbia Marine Aquarium Club (CMAC) and the Charleston Reef Club for a joint meeting. You do not have to be a member to attend this meeting! Anyone that would like to attend should bring a folding chair for comfort during the discussion on Marine Aquarium Maintenance Procedures. We will also be fragging corals and talking about treating diseased fish in aquariums containing invertebrates and/or live rock. CMAC is providing the food and drinks. There are also a few surprises for those that attend the meeting! Join us at 7pm this Saturday evening. Park behind the store and enter through the back door. We look forward to seeing you there!!

**QUALITY NEW POND PRODUCTS FROM AQUALIFE SUPPORT NOW AVAILABLE AT TIDELINE AQUATICS**



**Water Garden Cleaner ASF –**

This new product not only starts your biological filter, it also improves existing biological filters by breaking down the muck that becomes trapped within the media. Water Garden Cleaner ASF (all season formula) reduces fish waste material, breaks down excess food, reduces toxic ammonia, nitrite, nitrate and phosphate. WGC also reduces odors, pond sludge, clears pond water and reduces pond maintenance.

**Barley Straw Extract 2-in-1 –**

This product keeps pond water clear year round with the benefits of Barley coupled with water cleaning bacteria. A single \$20.00 bottle treats 16,000 gallons of water!

**Pond Cleaner Plus Packs –**

All season pond bacteria with Barley Straw formula comes in pre-measured packets for

clarifying pond water, reducing sludge, cleaning stream beds and destroying organics that cause problematic algae.

### **Rock & Waterfall Cleaner -**

Finally a safe product for cleaning rockwork, statuary, plant pots and fountains with your fish still in the pond! For waterfall rockwork simply turn off your water pump and sprinkle this oxygen-based cleanser on the rock and then turn back on your pumps! This product can also be added directly to the pond or fountain for cleaning build-up on statuary, plant pots and even your pond liner! Use only as directed.

Give this group of garden pond products a try at your home using the discount coupon now available on our website.

### **CORAL FRAG TRADE-IN POLICY CHANGE EFFECTIVE NOW –**

We love when folks trade in corals they have fragged. Small coral colonies are great for nano tanks, new reef aquariums or just to get an interesting small piece of expensive coral at a super low price. A few folks have brought us frags that have been freshly glued to small rocks in recent weeks. Because the coral tissue has yet to grow onto the rock, we have had many frags separate from the rock they were traded in on. For this reason, we will now only accept coral frags that have fully attached themselves to the rock. It is not that we do not want the frags; it is just that we want our customers to purchase a fully established coral frag, not a freshly glued piece that may fall off of the rock in transit home. Please understand the reason for this policy change.

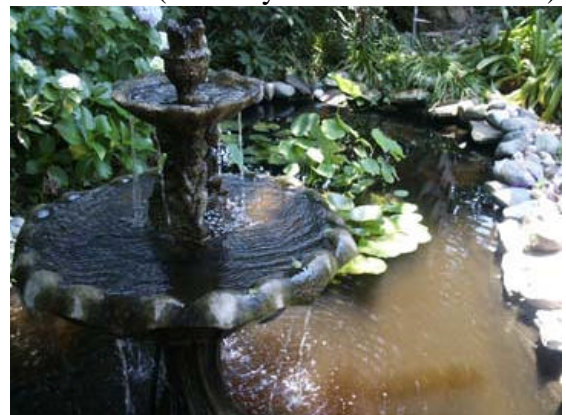
### **2008 POND TOUR TICKETS NOW AVAILABLE AT TIDELINE!!**



It is nearly time again for the Charleston Showa Koi Club's 2008 Pond Tour. Tickets are now available for purchase at Tideline Aquatics and many other local retailers all over Charleston. What is the Pond Tour you ask?



The Charleston Showa Pond Tour 2008 schedule contains 40 garden ponds and koi ponds found here in the Charleston area. With your ticket you will be able to spend the entire day traveling from home to home viewing each uniquely beautiful water garden feature. You can visit one pond or as many as you can fit into the day, you make the decision as you are your own guide. In past tours, many come as families or groups of friends traveling together to see each unique pond. From massive koi ponds hidden within sculptured Japanese style gardens to small intimate garden ponds planted with blooming lilies, each pond will be an adventure. You do not have to be a pond lover to experience this once a year event, you just have to enjoy nature and all the beauty it brings when put together in a scenic water garden feature. Tickets are available now for this June 7<sup>th</sup> event. A portion of the total proceeds go directly to the Animal Society of Charleston (formerly John Ancrum SPCA).



## **WHATS NEW AT TIDELINE?**

### **FEEDERS:**

Feeder Goldfish, Feeder Rosy Redds, Feeder Guppies, Feeder Crayfish, Feeder Fiddler Crabs, Live Black Worms, Feeder Ghost Shrimp.

### **FRESHWATER FISH:**

**Livebearers** – Sailfin Platies, Assorted Platies, Silver Mollies, Black Yucatan Mollies, Dalmation Mollies, Red Swordtails, Tuxedo Swordtails, Endler's Livebearers.

**Catfish/Loaches/Plecostomus** – Cool Zorro Shovelnose Catfish, Otocinclus Algae Eaters, Clown Plecostomus, Rubber Plecostomus, Common Plecostomus, Four-line Pictus Catfish, Green Gold Corydoras Catfish, Albino Corydoras Catfish, Punctatus Corydoras Catfish, Clown Loaches (nice!), Banded Coolie Loaches, Yoyo Lohachata Loaches, Striata Loaches.

**Brackish** – Tank Bred Mono Sebae, Green Spotted Pufferfish, Archerfish, Mudskippers.

**Tetras / Rasboras / Barbs / Danios** – XL Neon Tetras, Marble Hatchetfish, Green Fire Tetras (awesome color), Lg Emperor Tetras, Black Skirt Tetras, XL Super Longfin Red Serpae Tetras, Pristella Maxillaris Tetras, Rummynose Tetras, Galaxy Rasboras, XL Cardinal Tetras (few), Nice Glo-lite Danios, Gold Barbs, Giant Danios.

**Gouramis / Bettas** – Super Male Bettas, Gold Honey Gouramis (nice size), Neon Dwarf Gouramis, Powder Blue Dwarf Gouramis, Red Flame Dwarf Gouramis, Lg Gold Gouramis, Mixed Color Female Bettas.

**Cichlids** (Dwarf, South American, African) – 100 Mbuna African Cichlids, Curvicep Dwarf Cichlids, Lg Geophagus Jurupari Eartheaters, Small Tank Bred Geophagus Jurupari Eartheaters, Pike Cichlids, German Blue Ram Dwarf Cichlids, German Gold Ram Dwarf Cichlids, Assorted Small Oscars, Assorted Medium Oscars, Texas Cichlids, XXL Venustus African Cichlid.

**Other** – Roseline Denisonii Sharks, Mixed Mystery Snails, Japanese Trapdoor Snails, Freshwater Nerite Snails, Bala Sharks, Colombian Shark Cats, Iridescent Sharks, Rainbow Sharks, Redtail Black Sharks, Lg Tiretrack Eels, Medium Silver Arowanas, Scarlet

Badis Badis (very beautiful and cool), Dwarf African Frogs, Brown African Clawed Frogs, Red Starfire Glo-fish, Super Cool Red-Nosed Freshwater Algae Shrimp.

**Goldfish** – Small Assorted Fantail Goldfish, Small Black Moors, Medium Black Telescope Eyes, Medium Assorted Orandas, Medium Assorted Ryunkin Fantails.

**Koi, Pond Fish and Pond Plants** – Small Domestic Koi, Small and Medium Butterfly Koi, Medium Domestic Koi, Jumbo Domestic Koi, Large Bright Red Comet Goldfish, M/L Shubunkin Goldfish, New Shipment of Flowering Hardy and Incredible Tropical Water Lilies, Tons of new 1 Gallon Bog Plants, New Floating Island Plants, Parrots Feather, Pitcher Plants.

The list above represents only the most recent livestock shipment. We have MANY other species available at the store!

### **SALTWATER FISH:**

**Angels / Butterflyfish** – Rare Goldflake Angelfish, Super Rare Blueline Angelfish, Coral Beauty Angelfish, Flagfin Angelfish, Mertensii Butterflyfish, Semilavartus Butterflyfish.

**Clownfish** – Small Goldbar Maroon Clownfish, Small Common Maroon Clownfish, African Allardi Clownfish, Sebae Clownfish, Ocellaris Clownfish, True Black & White Ocellaris Clownfish (tank bred), Tank Bred – Skunk, Tomato, Ocellaris, True Percula Clownfish.

**Gobies / Blennies** – Klausewitz's Blennies, Yellow Priolepsis Gobies, RARE Dracula Gobies, Yashia Haze Gobies, Pink Spot Watchman Gobies, Yellow Watchman Gobies, Helfrichi Firefish Gobies, Common Firefish Gobies, Bicolor Blennies, Algae Blennies, Dragon Sifter Gobies, Golden Head Sifter Gobies, Blue Spotted Jawfish.

**Wrasses / Hogfish** – Scott's Fairy Wrasses, Male Balteatus Fairy Wrasses, Temminck's Fairy Wrasses, Dragon Wrasses, Sixline Wrasses, Lunare Wrasses, Banded Wrasses, Hifin Fairy Wrasses.

**Tangs / Rabbitfish** – Small, Large & XL Blue Regal Tangs, Yellow Tangs, Maldives Powder Blue Tangs, Lineatus Clown Tangs, Red Sea

Purple Tangs, Naso Tangs, Unicorn Tangs, Yellow Eye Kole Tangs, Powder Brown Tangs, Red Sea Sohal Tang.

**Triggerfish / Eels / Puffers** – Small & Medium Dogface Pufferfish, Eye Spot Sharpnose Pufferfish, Bluespot Sharpnose Pufferfish, Magnificent Foxface Rabbitfish, XL Bluespot Rabbitfish.

**Lionfish** – Dwarf Zebra Lionfish, Fuzzy Dwarf Lionfish, Volitan Lionfish.

**Other** – Pajama Cardinalfish, Blue Eye Cardinalfish, Kauderni Cardinalfish, Whiptail Snapper, Dark-Banded Fusillers, Bartlett's Anthias, Assorted Damsel fish, Neon Velvet Damsel fish, Royal Grammas, Purple Rhinopias, Sargassum Anglerfish.

#### **INVERTEBRATES:**

**Snails / Cucumbers / Starfish / Urchins** – XL Nassarius Snails, Indian Ocean Sea Apple, Chocolate Chip Starfish, Green Brittle Starfish, Cerith Snails, Lg Mexican Turbo Snails, Red Striped Trochus Snails, Red Fromia Starfish, Orange Marble Fromia Starfish, Mapped Fromia Starfish.

**Crustaceans** – Red Tip Reef Hermits, Blue Leg Reef Hermits, Cleaner Shrimp, Coral Banded Shrimp, Tiger Pistol Shrimp, Candy Cane Pistol Shrimp.

**Corals / Polyps / Mushrooms** – Amazing Cultured Acropora Coral Species, Green Wall Frogspawn Corals, Neon Blue Tip w/ Neon Green Frogspawn Corals, Metallic Hammer Corals, Super Torch Corals, Alveopora Corals, Montipora Danae Corals (orange polyps), XL Pink Echinophyllia Coral, Spiny Cup Pectinia Corals, Green Seriatorphora Coral, Red & Green Lobophyllia Corals, Orange & White Lobophyllia Corals, Australian Super Symphyllia Coral, Australian Red & Blue Lobophyllia Coral, Green Bubble Coral, Australian Super Red Lobophyllia Coral, Yellow Leather Corals, Green Mumps Leather Corals, Gold Ultra Spaghetti Leather Corals, Yellow Toadstool Leather, Healthy Elegance Corals, Super Caulestra Candy Corals, Ultra Colony Australian Whiskers Coral, Super Red Wellsophyllia Coral, Super Green Fox Coral, Green Eyed Cup Mycedium Coral, Ultra Australian pchyseris Rugosa Coral, Super

Orange Pavona Maldivensis Coral, Yellow Branching Porties Corals, Green Pipe Organ Coral, Red Chili Soft Coral, Ultra Platygyra Worm Brain, Combo Soft Coral Colony, Ultra Tonga Mushroom Rocks, Blue/Green Mushroom Rocks, Green Branching Star Polyp Rocks, - **WOW, how's that for a coral selection folks!!!!!!!!!!!!!!**

**Other** – Red Hard Tube Coco Worm Dusters, Purple Crocea Clams, Green Crocea Clams, Electric Blue Crocea Clams, Golden Derasa Clams.

This list is based on our most recent shipments of saltwater livestock. There are many other species available in the store not included in this list.