



The Greater Akron Aquarium Society

Tank Topics

May/June 2012

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2012 will be The Greater Akron Aquarium Society's 60th anniversary as a club. We have some special things planned for Ultra-Aqua 2012 such as commemorative anniversary shirts amongst other things to mark this milestone year. Keep checking and see what's happening next!

2012 GAAS Board of Directors

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Program.....	Dan McMonigle.....	(440) 476-4663/ danm@gaas-fish.net

Important Dates for 2012

March 4
Spring auction

July 14 & 15
Ultra Aqua 2012

November 4
Fall auction

Check out our website: www.gaas-fish.net

THE GREATER AKRON AQUARIUM SOCIETY

WHO ARE WE? We are a local group of aquatic enthusiasts. Formed in 1952, the Greater Akron Aquarium Society is a non-profit, non-commercial organization. Our membership ranges from the beginning hobbyist to the advanced aquarist with many years of experience. The goals of our club are to promote the care, study, breeding and exhibition of aquarium related aquatic life and to promote interest in the aquarium hobby.

MEETINGS: Our meetings are held on the first Thursday of each month at 8:00 p.m. at the Mogadore Community/Senior Center, 3857 Mogadore Road, Mogadore, Ohio. It is located East of Route 532 across from McDonald's in the former post office building. Visitors are always welcome, it costs absolutely nothing to attend a meeting and look us over.

MEMBERSHIP: The cost is only \$7.50 for adults, \$10 for a couple or a family (includes children under 10 years of age) and \$5.00 for a junior membership (10 to 17 years) Membership provides an opportunity to socialize with other that share your interests, a subscription to our bi-monthly magazine, library usage and more.

AGENDA: Our meeting agenda is simple and informal. The meeting will begin at 8:00 p.m. with a short business meeting. Immediately following is the program for the evening which usually lasts about 45 minutes. Our programs consist of a speaker, slide program, movie or perhaps a panel discussion always on a particular subject related to the hobby or various species of fish. Following the program is a short refreshment break. After which the winners of the Bowl Show are announced, the Breeder's Award Program fish are auctioned and tickets are drawn for the equipment and book raffles.

THE BOWL SHOW: Each month members can bring in fish for specific classes to compete for first, second and third place awards. The charge for each entry is only \$.25. Members also compete for annual awards by accumulating wins throughout the year.

BREEDER'S AWARD and HORTICULTURE AWARD PROGRAMS: members can receive recognition for spawning species of fish or propagating aquatic plants. All that is required is to turn in a minimum of six fry from the spawn that are between 30 and 90 days old. Members earn certificates for each species and can work towards plaques in different categories.

LIBRARY: At the library table are a number of books and other publications covering all areas of the aquarium hobby. Members may borrow the books for a month at a time. Also each month several books are raffled off.

EQUIPMENT RAFFLE: The raffle table has such items as tanks, fish food and aquarium accessories that are donated by national manufacturers, area dealers or purchased by the Society. Tickets may be purchased by anyone attending the meeting. Save your losing tickets for the Christmas Party raffle.

ANNUAL SHOW: The Ultra-Aqua show is held during the summer at the Tallmadge community Center. This has become one of the largest all-species tropical fish shows in North America. It is an international gathering of hobbyists to display their fish in class competition, talk fish and to learn about the hobby from each other.

TANK TOPICS: is published on a bi-monthly basis for the members of the Greater Akron Aquarium Society. Articles and comments for this publication are welcome and encouraged. Such articles are to be submitted no later than the board meeting prior to publication. All articles may be reprinted as long as the author(s) and GAAS are given proper credit and two copies of the publication containing the reprint are sent to GAAS. Please send any correspondence regarding this publication to:

Editor/Tank Topics, P.O. Box 494, Akron, OH 44309-0494 or email to davew@gaas-fish.net

The Greater Akron Aquarium Society Membership Form

Name _____ Age _____

Address _____

City _____ State _____ Zip _____

Phone _____ email _____

How did you find out about GAAS? _____

Memberships are due one year from the date of joining. Completed membership forms can be turned in at a meeting or mailed to the membership chairman at this address:

GAAS Membership Chairman, P.O. Box 494, Akron, OH 44309-0494

☐ New ☐ Renewal
☐ Electronic ☐ Mail



Adult (18 years and older)	1 year	\$7.50
	2 years	\$12.00
Family (includes children under 10)	1 year	\$10.00
	2 years	\$15.00
Junior (10-17 years)	1 year	\$5.00
	2 years	\$7.00

Dues Collected _____ Date Received _____



**July 14 & 15 Ultra-Aqua 2012
Annual All Species Fish Show
Tallmadge Community Center
80 Community Rd. Tallmadge, Ohio**

For more information:

Bud White (330) 848-3856 (bwhite@neo.rr.com),

Wayne Toven (330) 256-7836 (wtoven@hotmail.com)

Rich Serva (330) 650-4613 (rjserva@juno.com)



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Editor's Message

Dave Williamson

Well, here we go again with screwy North-East Ohio weather not being able to make up it's mind! It was 80 in March and now here it is almost May and it's barely 50 with a cold drizzle all day. That's it, I've had enough! I'm going to Florida!

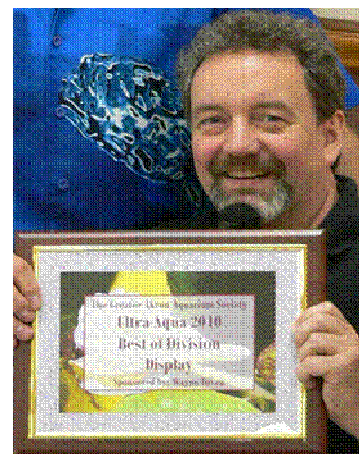
No, really, I am going to Florida for five days in April for the American Livebearer Association's annual convention. Any of you who know me know that going to this convention is normal behavior, but going that far for it is not. This will be the first time I've flown anywhere for a fish function. I wanted to go a few years ago when the convention was held in Texas, but I was new at my job then and couldn't get the time off. When I heard this year it was going to be in Ft. Lauderdale, I started planning right away. One major item that "sweetened the pot" to really make me want to spend the time and money to go was

getting to do something I've always wanted to do and that is to take a tour at a commercial fish farm. When I worked at the pet store, I could have gone to one of the trade shows and done it, but working retail I never had the money to be able to go much anywhere. Not that I'm trying to rub it in or anything, but as you're reading this, I hope to be sitting by a pool, sipping a cold beverage!

On to less frivolous thoughts, we recently had our Spring Auction. Yet another good turn out for both buyers and sellers. Best thing was that it was over a little sooner than the last couple have been. Possibly that was due to starting earlier, or it could have been the lack of a lot of those "beg for a buck" items. If memory serves me right, there were less than 10 items that ended up on the refugee table. Another thing that probably helped move things along were our auctioneers bustin'

their behinds to crank the stuff out of there. At this time, thanks would be in order to Ken Walker, Joanne Toven, Ken McGill and Chuck Bialon. If I missed anyone, please forgive me, I guess I really should write these reviews closer to when the actual event takes place and maybe I'd remember better! Check out the photos from the auction in this issue, who knows, you might just be in one of them!

And now boys and girls we come to the part of the message I'm sure you've all come to dread. . . That's right, it's time for me to bug you all to write articles for Tank Topics AGAIN! You didn't think you were going to get out of an issue without the joy of getting to hear me ask for submissions? (Ask? Or am I actually begging? I don't know, I'll leave that up to you to decide.) You'll notice a new one, from a new author no less, in this issue. I also



have two other new ones turned in and ready to go with the promise of at least one more from someone else. That's progress, I'll admit that, but that accounts for four members. What about the rest of us? In a perfect world (yeah, I know, it doesn't really exist, but let me dream OK?) I would have multiple articles to pick from for every issue, enough different types that we could have "themed" issues. It could happen.

I'll see you at the meeting!



BAP/HAP Report

Wayne Toven

All right spring is finally here, or is it? Guess Mother Nature is a little confused, that's what happens when one groundhog says its spring and one says 6 more weeks till spring.

Maybe soon the weather will stay warmed up so the tubs will get warm enough to put fish outside, the water lilies are growing well though. The plants in the flower beds are growing, except for the hydrangeas they got frosted and look like crap, hope they recover. Speaking of recovery, the Breeder Award Program is in intensive care, it is sputtering along, and in 5 months we have a grand total of 9 spawns submitted. What happened, are all the fish on spring break? Hope they get back to work soon. The Horticultural Award Program always starts off a little slow at the beginning of the year, so it's no surprise that there are only six propagations submitted. With all the spring auctions that have already passed and the ones coming up, there should be plenty of fish for spawning and plants for propagating and flowering. Don't forget for each spawn turned in at a meeting the breeder will receive a coupon good for \$1 worth of raffle tickets, for the book raffle or the equipment raffle. We had a member receive a Master Breeder plaque for spawning 15 species of native fish, it only took him 23 years, but he did it, congratulations go to Dave Williamson!!

March 2012

BAP

Species	Common name	Class	Points
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Joe Reich

<i>Puntius padamya</i>	Odessa barb	Barbs & Minnows	10
<i>Normorhamphus ebrarti</i>	Orange Fin Halfbeak	Livebearer	10

Dave Williamson

<i>Fundulus lineolatus</i>	Lined topminnow	Native	10
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HAP

Phil & Tiffany Hypes

<i>Anubias barteri</i>	D – vegetative	20
<i>Anubias minima</i>	D – vegetative	20

April 2012

BAP

Dan McMonigle

<i>Xiphophorus maculatus</i>	Black wag blue platy	Livebearer	5
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Joe Reich

<i>Fundulopanchax gardneri</i>		Killifish	5
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Rich Serva

<i>Neocaridina cf. Zhangjiajiensis</i>	Blue pearl shrimp	Aquatic animal	10
<i>Neocaridina heteropoda</i>	Red Sakura shrimp	Aquatic animal	10

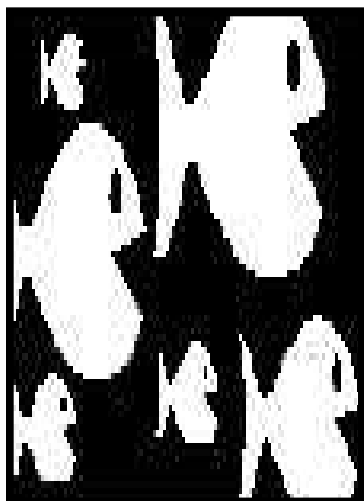
HAP

Dan McMonigle

<i>Crinum americanum</i>	Everglades lily	F – sexual	10
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2012 Standings

	BAP	Points	HAP	Points
Joe Reich	3	25	-	-
Phil & Tiffany Hypes	2	25	2	40
Rich Serva	2	20	-	-
Dave Williamson	1	10	-	-
Dan McMonigle	1	5	2	15
Wayne Toven	1	5	-	-
Brad Johnson	-	-	1	5
Orin McMonigle	-	-	1	15



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Bowl Show & Special Activities

Ken McGill

Great start folks. I think Jeff wants another plaque at home. He's got 61 points already. The rest of you can show fish too. Also welcome to new bowl show participant Don Youngkin.

March

Barbs

1st	Jeff Plazak	Odessa Barb
2nd	Wayne Toven	Black Ruby Barb
3rd	Jeff Plazak	Tiger Barb

Mollies

1st	Jeff Plazak	Molly
2nd	Wayne Toven	Poecilia gilli

Corydoras, Aspidoras, & Brochis Cats

1st	Don Youngkin	<i>C. paleatus</i>
2nd	Wayne Toven	<i>B. splendens</i>
3rd	Wayne Toven	<i>C. erhardtii</i>

April

Female Guppies

1st	Jeff Plazak	Female Guppy
2nd	Jeff Plazak	Female Guppy

Platies

1st	Jeff Plazak	Platy
2nd	Jeff Plazak	Platy

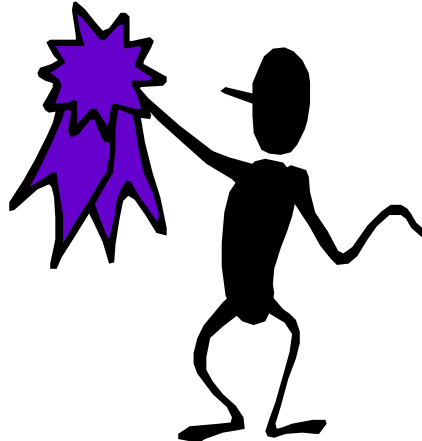
Aquatic Invertebrates

1st	Wayne Toven	Electric Orange Crayfish
2nd	Wayne Toven	Long-arm shrimp
3rd	Wayne Toven	Electric Orange Crayfish



Annual Point Totals

Jeff Plazak	61
Wayne Toven	33
Don Youngkin	10



How the Point System works:

- 1st - 4 points
- 2nd - 2 points
- 3rd - 1 point
- 1 point per entry,
- maximum 12 points per class

2012 Bowl

Show Schedule

January:

Goldfish, Male Guppies, Minnows Danios & Rasboras

February:

Suckermouth Catfish, Swordtails, Characins

March:

Barbs, Mollies, Corydoras Aspidoras & Brochis

April:

Female Guppies, Platies, Aquatic Invertebrates

May:

Goodeids, Rift Lake Cichlids, Aquatic Plants

June:

Native Fish, Rainbowfish, Male Betta splendens

July:

Synodontis Catfish, Killifish, Angelfish & Discus

August:

AO New World Cichlids, Amphibians, Bog Plants

September:

Gouramis & Anabantoids, Sharks & Loaches, Photography

October:

Arts & Crafts, Marine Fish, All Other Old World Cichlids

November:

All Other Livebearers, All Other Egglayers, All Other Catfish

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Sunday 11-6

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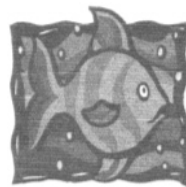


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Exchange Report

Wayne Toven



Aquarium Club of Lancaster County,
Tank Tales: Feb 2012
Saltwater Made Simple – Part 5, by
Michael Steffen

Circle City Aquarium Club, Fancy
Fins: July-Sept 2011
Spawning Chela dadiburjuri (orange hatchets), by Mike Matthews
Xiphophorus cortezi, by Charlie Grimes
Labeotropheus trewavasae Mpanga, by Mike Dunagan
The Redbacked Paradise Fish (Macropodus erythropterus), by Charlie Grimes

Circle City Aquarium Club, Fancy
Fins: Nov. 2011
Labidochromis Caeruleus – Yellow Lab or Electric Yellow, by Bobby Sutton
Cyrtocara moorii, Dolphin Hap. Moorii, by Mike Dunagan

Circle City Aquarium Club, Fancy
Fins: Dec 2011
Archocentrus nigrofasciatus – the Convict Cichlid, by Mike Dunagan
Aphyosemion ocellatum – Sika Sika, by Jim Sizelove
Breeding Apistogramma agassizi, a Black Water Dwarf, by Bradley E. Moore
Spawning Rosey Red Minnows, by Mike Matthews

Circle City Aquarium Club, Fancy
Fins: Jan 2012
Angelfish, Basic Care, by Harrison Storm
Pseudotropheus acei – Yellow Tail acei (Msuli), by Bobby Sutton
Lamprologus multifasciatus, by Chris Eichrodt

Greater Cincinnati Aquarium Society,
Fincinnati: Mar/Apr 2012
Endangered Species Ohio Fish, by Jerry Riegel
Cyathopharynx foai Kalila, by Jerry Riegel

Greater Pittsburgh Aquarium Society Inc. Finformation: Feb 2012
Cyprichromis sp. “Jumbo Tricolor”, by Roberto Prati
Hyphessobrycon sp. Sunset, by Regina Spotti

Greater Pittsburgh Aquarium Society Inc. Finformation: Mar 2012
Getting it Right, Corydoras barbatus (Bearded Catfish), by Stan Chechak

Kitchener – Waterloo Aquarium Society, Fins & Tales: Mar 2012
My Encyclopedia of HAP Part 1, by Jeff Loney
Corydoras habrosus – Not a “Board Game”, by Jayne Glazier

Michiana Aquarium Society, Michiana
Tropical Times: Feb 2012
Ancistrus cf. cirrhosus, by Ben Slocum

Missouri Aquarium Society Inc. The Darter: Mar/Apr 2012
Keeping and Breeding Pachypanchax sakaramyi, the Sakaramyi Killifish, by Kurt A. Zahringer
Keeping and breeding Danio tinwini, the Gold Ring Danio, by Kurt A. Zahringer

North Jersey Aquarium Society, Reporter: Mar 2012
Thread Fin Rainbows, by Joe Graffagnino
Zebras in the Community Aquarium, by Chuck Davis
Gambusia affinis – Western Mosquito Fish, by Vinny Babino
The Pygmy Loaches of the Genus Yunnanilus, by Paul V. Loiselle

Sarnia Aquarium Society, Aqua Antics: Feb 2012
Ancistrus temminckii, by Jack VanderAa
Poropanchax normani, by Peter Melady
Neolamprologus caudopunctatus, by Jack VanderAa

Kitchener – Waterloo Aquarium Society, Fins & Tales: Apr 2012
Jeff’s Encyclopedia of HAP Part 2, by Jeff Loney
Living With Livebearers, by Ed Koerner
The Wonderful World of Plants, by Brent Lemanski
Adventures in DIY – Building Limpetville, by Brent Lemanski

North Jersey Aquarium Society, Reporter: Apr 2012
Puntius tiantian, a New Dwarf Barb from Burma, by Paul V. Loiselle
Breeding the Celestial Pearl Danio, by Chase Klinesteker

Pacific Coast Cichlid Association, Cichlidae Communique: Mar/Apr 2012
Success with Dicrosossus maculatus, by Albert So

St. Catharines Aquarium Society, The Scat: Apr 2012
Lamprologus ornatipinnis, by Dave Furness
Spawning and Keeping Tropheus sp. “Ikola”, by Dave Unruh

Stephan Tanner, speaker from our February meeting explaining the finer points of feeding your fish!



Ocean Acidification and the Reef Aquarium

Ernest Shipp

Program Director, Cleveland Saltwater Enthusiast Association

Those of us that keep reef tanks usually pay attention to what is happening to our ocean environment and have heard the term ocean acidification in one way or another. What is it? And how do the principles involved with this type of event affect my reef at home. Ocean acidification is, when during the normal process of the surface gas exchange process, when the carbon dioxide that is dissolved and absorbed into the ocean is in excess from its natural cycle due to unnatural events, thus creating a saturation of CO_2 within the ocean waters. When critical levels are reached a chemical reaction with the elements within the ocean water occur. The one that this has the most dramatic effect on is calcium carbonate. This is what coral, crabs, clams and any ocean creature that builds a shell or skeleton needs and gives the ocean the ability to buffer its self to resist changes in water chemistry. When CO_2 reacts with seawater it changes the molecular structure and creates carbonic acid. When this occurs, the reef systems and their inhabitants cannot utilize this newly created element, it depletes the calcium carbonate ion that coral and all crustaceans depend on for skeletal growth. And the ocean cannot buffer its self, when this happens the PH starts dropping making the ocean more acidic hence the term "Ocean Acidification". Along with these immediate effects there is also metabolic depression, respiratory stress along with other acid based stresses applied to the oceans inhabitants. All this adds up to the ocean creatures that we depend upon for economic dependency will not be able to grow to a mature age to reproduce for us to harvest for a sustainable future. Add to this the effect of a warmer ocean temperature, which speeds up this process leading to an accelerated decline of the ocean.

Now that we have a simple understanding on the concept of ocean acidification, how do these principles apply to my tank

and I hear in Ohio? Well Ohio is one of the most industrialized states in the U.S. and one of the major bi-products of this type of economic growth is an increase in CO_2 a "greenhouse gas" in the immediate and surrounding areas. Also due to our climate we spend a lot of time indoors with the doors shut and windows closed (mostly in winter). When we spend a lot of time indoors we expend CO_2 every time we breathe. So it is a natural process that allows for a build-up of CO_2 , multiplied by the number of family members and pets. It adds up and just like the ocean, our saltwater tanks absorb this gas like a sponge!

It's like a CO_2 sink and can have devastating effects on even the most cared for reef without much notability at first. There are only a couple of things that can give you a tip as to when this is happening. The first is when you cannot keep your PH to par and no matter what you do it never seems to go over 7.8. After that the only noticeable symptom is that your corals slow down in their growth or stop growing all together. If this is not corrected the end result will be the demise of the coral animal and you scratching your head, why? Although most if not all parameters will be in spec, with respect to PH.

If you notice these symptoms there are a few simple things that you can do to help alleviate the cause and get your reef back to the beauty and health that you and your fish love. One of the first things to do is to get fresh air to the tank. Cracking a window or a door for just a few minutes a day will help relieve the CO_2 stress over a period of time. You

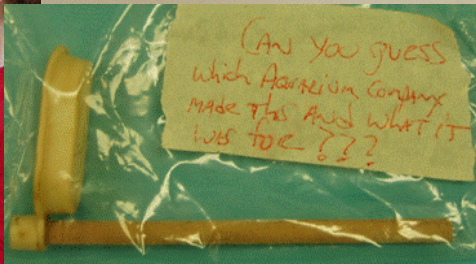
might have a fan running for your lights and think that that keeps your tank vented. Well you are right you are venting your tank but through the lighting system. And the way these systems are set up they are not designed to vent and refresh the surface exchange air. They are designed to vent the heat generated by the lighting system and are not sufficient to refresh the surface air. With this in mind you will need to arrange preferably two fans on or around your tank. One should be blowing air across the surface of the water and position the other to pull air away from the surface of the water. With this type of set up you are venting the CO_2 and pushing fresh oxygenated air over the surface of the water. You might want to try to decorate with a few pet friendly plants to enrich your living environment. Not only will it make your home a more eco-friendly dwelling it will make it more aesthetic and you will be removing CO_2 from your tanks home as well. If you have a large system there may be more required to adequately lower CO_2 levels depending how acidic the system has become. These include a professionally installed H.V.A.C. system that will sufficiently cycle fresh air into the system or a professionally installed exhaust system that will carry away the CO_2 to the exterior of the home, consult a professional when applying applications that will alter your dwelling residence permanently. I hope that you have a better understanding of the concept of ocean acidification and how it can affect us in our home aquaria. How to detect it, neutralize it and prevent it from re-occurring.





Spring Auction 2012

Photos by Russ Kirkendall





The Greater Akron Aquarium Society

P.O. Box 494
Akron, OH 44309-0494

Meeting Notice - Do Not Delay

Meeting Notice

Thursday, May 3

Program: Ken McGill –
Native Fish and Collecting

Bowl Show: Goodeids, Rift Lake Cichlids,
Aquatic Plants

Thursday, June 7

Program: Stephanie White –
The Greater Cleveland Aquarium

Bowl Show: Native Fish, Rainbowfish,
Male *Betta splendens*

All general meetings begin at 8:00 p.m. at the Mogadore Community/Senior Center

Coming Events

April 28, 2012 - Columbus Area Fish Enthusiasts (CAFÉ) Spring Auction
Hamilton Township Community Center, 6400 Lockbourne Rd., Lockbourne, Ohio 43137
For more information:
www.columbusfishclub.org or
contact Jeremy Basch at jere-mybasch@gmail.com.

May 6 2012– Greater Pittsburgh Aquarium Society Inc. Spring Auction
North Hampton VFD, 5149 North Pioneer Road, Gibsonia, PA 15044 PA Turnpike, Exit 39, Butler Valley
For more information: Contacts: Wally Cox 412-420-7985 (walmich@verizon.net) or Joe Doyle 724-602-7564 (brokenbox@gmail.com)

May 12, 2012 – Medina County Aquarium Society - Spring Auction
Prince of Peace Lutheran Church, 3355 Medina Rd. (Rt. 18), Medina, Ohio 44256
Auction Starts at Noon,
More info: Call/Email: John Kaminski (330) 225-0709, johnrkam@roadrunner.com or Nick Evanoff (330) 722-3887, nevanoff@neo.rr.com

June 23, 2012—GLCS Summer Auction
Euclid Square Mall in the Euclidean Room.
All species, plants and dry goods. For more information contact Dean at dmersinas@gmail.com, 216-906-1800, Marty at 330-650-0237, Bill at 216-692-9296 or Ron at 440-944-3245.
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