

# the Outlet

AQUARIUM & ZOO



Spring 2013

## A FEW WORDS FROM THE PRESIDENT

### President's Message

By Rodney Fuller



Spring took it's time getting here but it is finally time to put away the snow shovels and crank up the mowers. We are just finishing up with a three week flurry of spring breakers here at our facility. If the attendance numbers are any indication of what we are to expect for the summer, we

should have a great one. Hopefully all of you are experiencing the same at your facilities.

The AZFA Officer and Committee Chair mid-year meeting was held in Nashville, Tennessee March 18th - 19th. I want to thank Rick Schwartz, President of the Nashville Zoo, and Jim Kubacki, Director of Facilities, for hosting our group. The outstanding leadership, fund raising, professional staff and volunteers at this facility are making an incredible impact on this institution. This is a beautiful zoo that is well worth the visit whenever you are in the Nashville area. I am confident that the industry will begin to notice some special things from this zoo in the very near future. We had a great turn out of Officers and Committee Chairs for our meeting. I want to thank each of them for taking time away from their work, and most of all their families, to spend a couple of days addressing the business of the AZFA. We had a very full agenda which we were able to push our way through.

I am very encouraged by the energy and dedication I saw from this group of Officers and Committee Chairs. From our finances to conservation grant awards, we are seeing good progress in several areas. Our committees are going to become more consolidated and focused on making each conference better than the one before. We will be working more closely with our vendors to bring their products and services to each conference and will continue to search for added value in our educational programs. We are currently reviewing our fee structure regarding vendors advertising in The Outlet as well as adding opportunities for them on the AZFA web site. We have many Bylaw updates up for consideration this year. Some of them have to do with language that is simply outdated. Some have to do with clarification to address the changes in technology in relation to how we communicate to our members. The proposed changes will be listed in the summer issue of The Outlet.

Another topic that has been discussed for several years is the printing and postage cost related to producing a hard copy of our newsletter. In an effort to go paperless, and reduce expenditures, the hard copy mailing of The Outlet will be discontinued after 2013. All that is needed to receive an electronic copy is an email address or it can be accessed directly on the AZFA web site. Please contact John Kanzia if you need any assistance with setting up a personal email address. Nominations for AZFA Officers are needed for the fall election. Please send your nominations to our Past President, Dave Jarvis by June 25, 2013. This will give us the time necessary to get the biography of each candidate on the website and in the summer newsletter.

*(Continued on page 2)*

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## President's Message

I am pleased to report to you that we have entered into a new and exciting partnership with AZA. We have been asked to help AZA with identifying manufacturers, products and suppliers to approach about partnering in a national purchasing program. The program is called AZA Smart Source. Jay Vestal, VP of Sales and Marketing for AZA, and Tom Rogers, CEO of Vendor Centric met with us at the mid-year meeting to present and explain how this program is designed to work. In short, national agreements with identified vendors would result in significant discounts to AZA institutions when purchasing their products. AZA thinks that this is an area where the experience and expertise found within the membership of the AZFA has incredible value. We will continue to work with Jay and Tom on this project and we will keep you informed of our progress. More information on this program can be obtained at [azasmartsource.org](http://azasmartsource.org).

In closing, I want to encourage you to get more involved in the AZFA. There are plenty of opportunities for everyone. Please give me a call if you are wondering where you can help. The more you put into our organization the more you will get out of it.



CHECK OUT OUR WEBSITE!

## Check Out Our Website!

By **JOHN KANZIA, WEBSITE ADMINISTRATOR**

Several updates have been made to our website. Please take a moment to check it out at [azfa.org](http://azfa.org). Let us know how we can make the site more useful to you and what else you might like to see on the site. This is your resource and we want to make it as useful to you as possible.

Once you have logged in you will have full member access to the site. If you forgot your password just type your email address on the home page in the email box and then click on Forgot Password. In a few minutes you will get an email with your password.

Make sure to check out all the tabs along the top. Under Membership you can join, renew your membership, or access the membership directory. Under Conservation

you can learn about the Clark Waldram Fund and how to apply for a grant for your next conservation project. Under Resources you can look at the most recent job postings, read peer-published articles, and access electronic copies of the Outlet. Under Forums you can post questions to and answer questions from peers on twenty different subjects (we can add more subjects as topics are posted); do not forget to click on the link to be notified about new posts for all of the forums that you would like to participate in. Heck, why not participate in them all?

Please feel free to contact me if you have any questions or comments about the site at [john.kanzia@czs.org](mailto:john.kanzia@czs.org) or 708-688-8514.





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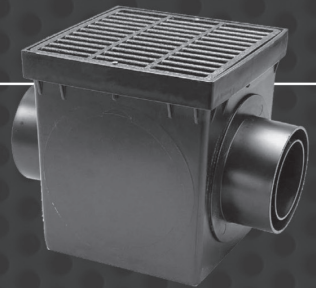
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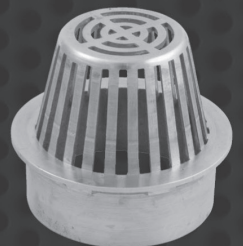
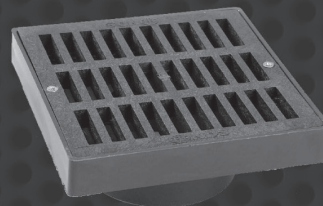
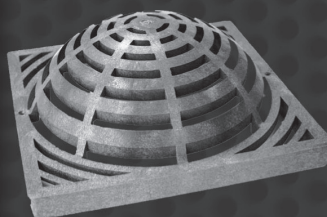
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# Marineland Dolphin Adventure Waterproofing/Resurfacing

By Paul Pagello

## Background

Waterproofing a 1.3 million gallon aquarium is never an easy task. Doing so while caring for an animal collection complicates the undertaking considerably. Marineland Dolphin Adventure, located in St. Augustine FL, is nearing phase II and III completion of a series of waterproofing/resurfacing projects that began in 2011. The overall plan is projected to continue into 2014.

## History

Marineland Dolphin Adventure is an educational dolphin interaction facility that is home to thirteen bottlenose dolphins. The habitats were constructed in 2005, when the original 1937 built facilities were in a state of structural decline. The waterproofing used in the 2005 construction was a flexible, two part acrylic latex application that soon showed signs of failure. While the structural integrity of the habitats was not compromised, the semi-porous coating started to delaminate and cleaning issues, most notably algae control, began to manifest.

Attempts were made in 2007 and 2009 to remedy the situation. This included epoxy application over the original surface, as well as epoxy paint on bare concrete after removal of the original waterproofing. Both attempts failed to provide long term favorable results. In either attempt, epoxy delamination quickly occurred, with resultant chipping of paint despite repeated touch ups.

Marineland was purchased in January of 2011 by the Georgia Aquarium in Atlanta, GA. As part of immediate infrastructure improvements, the decision was made to completely resurface and waterproof the dolphin habitats. As with all accredited aquarium facilities, of primary concerns are the welfare of our animals and the high standards of care with which we are trusted. To allow for animal care concerns and for guest interaction expectations, the overall project had to be broken down into four phases over several years.

## Phase I

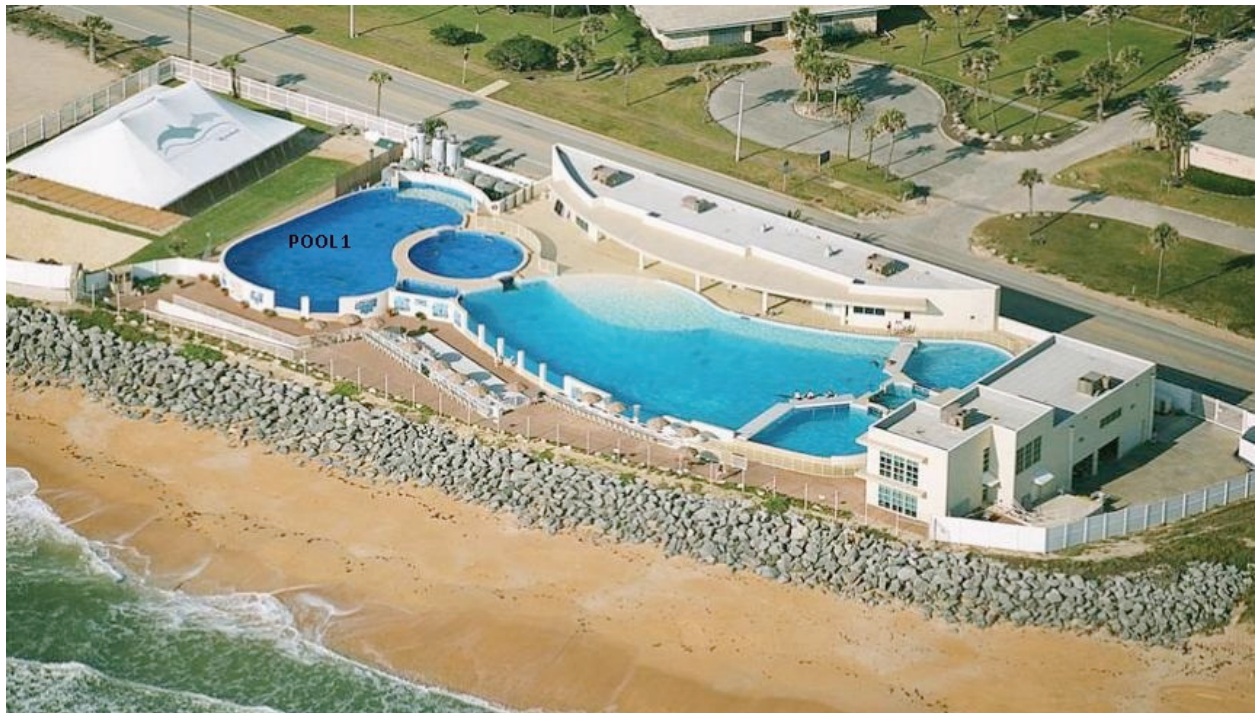
Brasfield & Gorrie, out of Atlanta GA, is the general contractor for all phases. For the entire project, it was decided to use a waterproofing system developed by Madewell Products Corporation, installed by Steele & Associates Inc., both located in Alpharetta, GA. Phase I began in April of 2011, requiring six months to complete. Madewell's aquarium lining is a laminate system consisting of seven layers of urethanes, fiberglass, fiberglass reinforced epoxy, and flexible epoxy. The system provides a durable finish that is easy to maintain and clean, and is designed to allow for movement within the substrate. With an expected ten year service life as installed, future resurfacing requires removal and reapplication of only the top coat. Therefore, this is considered a long term, renewable pool coating.

Phase I consisted of Pool 1 and a small holding pool adjacent to it, pool 3. With the relatively small surface area, pools 1 and 3 were completely enclosed with containment walls and roof. The first step after constructing containment was to remove all previous waterproofing coatings to bare concrete. This was accomplished using a 40,000 psi water cannon contracted through Waterblasting.com from Stuart, FL. After removal, a skin coat of cement was applied throughout the pool surface to provide a smooth profile for the finished product.

Once the prep work was concluded, Steele & Associates had several weeks of work to apply the laminate pool waterproofing. Concurrent with waterproofing, the large acrylic viewing windows were removed, buffed and polished, and stored for reinstallation at the end of phase I. As with all construction projects, minor structural problems were discovered and corrected at this time. Infrastructure for future expansion was also accomplished during waterproofing.

While no project is without complications, the resurfacing went as well as could be expected. The new surface has met the expectations set forth in the planning stages. Maintenance and cleaning are greatly improved and algae growth is mostly eliminated. We are continuing to install this system in phase II.





*Ariel view*



*Containment Wall and Roof*



*Acrylic removal*



*Future Expansion*



*Finished Habitat*



## Conference Updates

**By John Kanzia,  
Site Selection Committee Chair**

A number of AZFA committees are working hard with Rudy Castañeda from the El Paso Zoo to put together a great 19th annual conference for you this fall from October 6th - 9th. Attendees will stay at the El Paso DoubleTree hotel in beautiful downtown El Paso, and the conference activities will take place across the street in the impressive El Paso Convention Center. With over 8,000 square feet of meeting room space, we will have plenty of room for presentations and hands-on workshops. We will also have over 4,000 square feet available for vendor booths.

Dave Voegel from the Mesker Park Zoo & Botanic Garden will be hosting our 20th annual conference in Evansville, Indiana in 2014. Dave still has his

Aquarium and Zoo Maintenance Association (original name for the AZFA from 1994 - 1997) hat from that first annual conference and says that it brings back some great memories.

We know that undertaking a conference can be a lot of work, so all of the committees are chipping in to help hosts any way we can and we are working with Conference Direct to help hosts find the best and most economical hotel for the venue. We are doing everything we can to make it less work to host. Any up-front costs paid by the host are paid back from conference revenue, so it does not cost the host anything but their time and effort.

If you are interested in submitting an application to host the 2015 conference, you can find the application and guidelines on our website Site Selection page under Committees. Applications are due by August 31st.



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# Minimizing Frustration for Unexpected Maintenance Needs

By Stan Chapin

As an operations department, we are often charged with completing tasks that we cannot undertake with our existing staff. There may be several reasons why we cannot utilize our staff. Maybe we simply do not want to pull them off an important job that has already been assigned. Perhaps the staff members do not have the training required to complete the work or in many cases, we just do not have enough manpower to do what is required. No matter the reason, our Director does not want to hear why the task can not be completed. He wants to know what steps are being taken to ensure the work is completed timely and within budget. Options may be somewhat limited for many zoos.

Point Defiance Zoo & Aquarium (PDZA) is a part of Metro Parks Tacoma and subject to Washington State rules and regulations. These rules and regulations often hinder us when trying to respond quickly to unexpected maintenance needs. It takes time to create a bid package containing your project/job specifications or write up an advertisement to be placed in your local newspaper. Even if you are lucky enough to have a Small Works Roster to utilize for smaller projects or work requirements, specifications identifying your needs are still needed. Frustration is the one word that comes to mind.

To minimize this frustration, PDZA thinks ahead. Bid packages are created containing all required documentation for all the different services we may need throughout the following year. Some (not all) of the maintenance needs identified are:

- Asphalt Patch and Sealing
- Pest Management
- Storm Drain and Catch Basin Cleaning
- Fire Extinguisher, Hydrant and Sprinkler System Servicing
- Carpet and Flooring Cleaning
- Boiler System Servicing
- Elevator Servicing
- Security Services
- Gate Servicing

We advertise for these services in our local newspaper in November and place the information on the Metro Parks Tacoma website as well. Bids are received in early December and evaluated. Contracts are then established with these companies identifying the cost for any services we anticipate needing. This allows PDZA technicians to call a company whenever we require their services without having to go out to bid. Through this process, we have found it much easier to get our unexpected maintenance needs met when our staff members are either unavailable or not trained to perform the required service. If you would like more information about this process, please email me at Stan.Chapin@PDZA.org and I will send you a copy of a bid package we have created.

## Rusting Doors A Problem?

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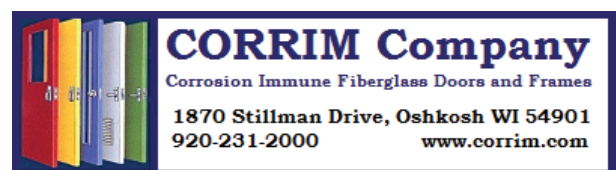
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Robert Gluth, President      rgluth@corrim.com



AZFA member since 1997



# AZFA Officers Nominations

By David Jarvis

It is time to start thinking about who you want to run for office for the AZFA elections this year in El Paso. If you want to run or know of a member that you believe would be a good officer send in a nomination. We still have some time so think about it, but do not forget about it, nominate.

Send your nominations to me at [jarvis@stlzoo.org](mailto:j Jarvis@stlzoo.org) or call me at 314-646-4876 with the nominee name and the position nominated for. I will then make sure that the nominee accepts and just like that they will be running for office. If you want to enter the race yourself it is even easier, just let me know.

Do not be shy. The AZFA needs your help, to nominate or to run. Let's elect some new blood to take us into our 20th year.

# Program and Education Committee

By Samanthe Peterson

The AZFA Program & Education Committee is seeking presenters for the upcoming annual conference this October 6th - 9th hosted by the El Paso Zoo. If you are interested in giving a presentation, conducting a workshop, or facilitating a roundtable, please contact Sam Peterson [speterson@sazoo.org](mailto:speterson@sazoo.org) or Andy Peterson [andy.peterson@pdza.org](mailto:andy.peterson@pdza.org) to be added to the agenda.

Planned topics include exhibit construction and maintenance, sustainability, safety, water quality and aquatics, AZA accreditation, and more. For information about the conference please visit [azfa.org](http://azfa.org).

## Membership Application



This is an application for a 2013 annual membership. Your membership card or certificate will be mailed to you upon receipt of your 2013 dues.

Last Name: \_\_\_\_\_

First Name: \_\_\_\_\_

Organization Represented: \_\_\_\_\_

Position/Title: \_\_\_\_\_

Trade/Area of Expertise: \_\_\_\_\_

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Fax: (    ) \_\_\_\_\_

Email: \_\_\_\_\_

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Renewal                      New (Referred by): \_\_\_\_\_

Membership Categories:

Please check the appropriate circle.

Professional	Student	Commercial
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c/o Cleveland Metroparks Zoo

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## AZFA New Members

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Johnny Marchant

#### Atlantis the Palm, Dubai

Steve Kaiser

#### Tennessee Aquarium

Tony Kennedy

#### Cincinnati Zoo

Randy Cobb

#### Audubon Nature Institute

Scarlett Dottolo  
Tracey Henneman

#### Columbus Zoo & Aquarium

Emily Wieringa

### Student

Robert Maxwell Lakes,  
Eastern Kentucky University

#### El Paso Zoo

Carlos Meraz

#### Sedgwick County Zoo

Jeff Landers  
Daniel Wright

#### Fundacion Botanica y Zoologica de Barranquilla, Columbia Student

Christian Olaciregui

#### Cincinnati Zoo

Randy Cobb

#### Audubon Nature Institute

Scarlett Dottolo  
Tracey Henneman

#### Columbus Zoo & Aquarium

Emily Wieringa

## Aquarium & Zoo Facilities Association

### Purpose

To foster and cultivate the business and educational relations of the members through meetings, reports, publications, discussions and seminars, and various communications media; to engender cooperation among the construction and maintenance staffs of zoos, parks, aquariums, and similar organizations.

### Mission Statement

The Aquarium and Zoo Facilities Association is dedicated to increasing our understanding and appreciation of the inherent worth of all life forms.

Toward that objective, we commit our combined efforts and influence in conserving all plants, animals, and natural resources while educating others as to their infinite limits and intrinsic values.

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423-785-4026 · rfl@tnaqa.org

### Past President

David Jarvis · St. Louis Zoo  
314-781-0900 · jarvis@stlzoo.org

### President Elect

Bill Cooper · Phoenix Zoo  
602-914-4373 ext. 7624  
bcooperzooman@yahoo.com

### Vice President

Andy Peterson · Point Defiance Zoo  
253-404-3662 · andy.peterson@pdza.org

### Secretary

Samanthe Peterson · San Antonio Zoo  
210-734-7184, ext. 1302 · animalmgt@sazoo-aq.org

### Treasurer

Michael Patera · Cleveland Metroparks Zoo  
216-661-3066 · map@clevelandmetroparks.com

### Board of Directors

Director at Large year 3  
Mark Fisher · Cincinnati & Botanical Garden  
513-559-7795 · mark.fisher@cincinnati-zoo.org

Director at Large year 2  
Chris Vanskike · San Antonio Zoo  
210-734-7184 x1700 · cvanskike@sazoo-qa.org

Director at Large year 1  
Stan Chapin · Point Defiance Zoo & Aquarium  
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### Committee Chairpersons

#### Bylaws

Andy Peterson · Point Defiance Zoo  
253-404-3662 · andy.peterson@pdza.org

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Brian Brawner · R&B Aquatic Distribution, Inc.  
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Bob Gluth · Corrim Company  
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### Finance

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### Fundraising

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216-661-3066 · map@clevelandmetroparks.com

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### Long Range Plan

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253-404-3662 · andy.peterson@pdza.org

Samanthe Peterson · San Antonio Zoo  
210-734-7184, ext. 1302 · animalmgt@sazoo-aq.org

### Publications/Website

Jennifer Golden · Zoo New England  
617-989-2084 · jgolden@zoonewengland.com

John Kanzia · Brookfield zoo  
708-485-0263 · john.kanzia@czs.org

Rodney Fuller · Tennessee Aquarium  
423-785-4026 · rfl@tnaqa.org

### Site Selection

John Kanzia · Brookfield zoo  
708-485-0263 · jokanzia@brookfieldzoo.org

# Calendar

2013 AZFA Conference, El Paso, TX October 6th - 9th.

Deadline for articles for the next newsletter: June 28th.

## Publication Schedule

Summer Issue - July

Fall Issue - October

Winter Issue - January

Spring Issue - April

## www.azfa.org

Don't forget to check out the AZFA website for updates and news.

Website Administrator  
john.kanzia@czs.org

# Membership

Membership Administrator  
Ann Kaminsky, mak@clevelandmetroparks.com

## Editor's Note

By Jennifer Golden

I would like to take a moment to express thanks to our Commercial Members who have supported The Outlet by advertising, and show appreciation to those who have found it beneficial to continue their advertisements this year.

Advertising in The Outlet is a great way for companies to target our unique group of professionals dedicated to the construction and maintenance of aquarium and zoo buildings, exhibits, and systems. The Outlet currently reaches hundreds of individuals at over 75 zoos and aquariums and our membership continues to grow!

If you are a Commercial Member interested in advertising rates please contact me at jgolden@zoonewengland.com.

Aquarium & Zoo Facilities Association  
3900 Wildlife Way  
Cleveland, OH 44109

