

April 2017

IGWA Newsletter

The newsletter of the Indiana Ground Water Association (IGWA)

IGWA Office: PO Box 160, Covington, IN 47932 • Phone: 888-443-7330 • Fax: 765-231-4430
Email: ingroundwater@gmail.com • Website: www.indianagroundwater.org



Geoprobe® Systems with Indiana Ground Water Association

Presents

2017 Spring Field Day

Agenda & Registration

May 16, 2017 ~ 8:00 AM to 12:00 PM

Hamilton County 4H Fairgrounds
2003 Pleasant Street Noblesville, IN 46060

Approved for Continuing Education Hours: 2.0 Well Drillers + 2.0 Pump Installers



**OSHA Safety
Standards apply**
Hard hats, eye
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equipment.

8:00 am – 9:00 am	Registration
9:00 am – 10:00 am	Dual Tube Samplers applications with demonstrations
10:15 am – 11:15 am	The Importance of Groundwater Monitoring w/ Proper Installation of Prepacked Screen Monitoring Wells
11:15 am – 12:00 pm	Questions and machine displays

If you plan to obtain CEU's at the event, you must pay a registration fee.

If you do not want CEU's the event is free BUT you must still register by deadline to attend.

Check for No CEU's _____ (No fee)

Member Fee: \$25.00 Non-member Fee: \$50.00

Registration deadline is May 9. Fees must be paid by May 9. No refunds for no shows.

Names: _____

Company: _____
Address: _____
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For CEU'S Only:

Members _____ x \$25 per person = \$ _____

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TOTAL ENCLOSED: \$ _____

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Questions? Call 888-443-7330 or email
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NGWA WASHINGTON UPDATES

National Ground Water Association

Geothermal Tax Credit Legislation Reintroduced

H.R. 1090, the Technologies for Energy Security Act, reinstating the investment tax credit for commercial and residential installation of geothermal heat pumps among other renewable energy technologies, was reintroduced by Congressmen Tom Reed (R-New York) and Mike Thompson (D-California).

The tax credits expired on December 31, 2016 for several technologies, although solar and wind were given an extension, creating a market disparity.

NGWA will work to urge Congress to reinstate the tax credits either through passage of H.R. 1080 or as a part of comprehensive tax reform when NGWA members are in Washington, D.C. for the 2017 NGWA Groundwater Fly-In. The bill currently has

NGWA impact: Expiration of the tax credits has harmed demand for geothermal heat pumps and created an unequal marketplace for renewable energy technologies.

NGWA Encourages Trump to Consider Rural Priorities in Infrastructure

NGWA joined more than 200 organizations in sending a letter to President Donald Trump urging him to address the priorities of rural communities when putting together an infrastructure package.

President Trump campaigned on investing \$1 trillion in infrastructure. However, specifics about where and how that money will be allocated are still being developed.

The importance of rural communities will be reinforced at the 2017 NGWA Groundwater Fly-In, where advocates will urge Congress to include water needs in any infrastructure package, including dedicated funding for small communities.

Timing on a major infrastructure package continues to delay with some estimating 2018 as the earliest a package could pass. Efforts to repeal the Affordable Care Act and pass comprehensive tax reform will take precedence on Capitol Hill.

NGWA impact: The broad and diverse interests represented by the letter will put pressure on the Trump administration to consider the needs of rural communities, which are more often reliant on wells and well systems.

NGWA Asks Homeland Security to Include Small Water Systems in Security Needs

Chuck Job, Manager of Regulatory Affairs for NGWA, represented the Association when the Department of Homeland Security's National Infrastructure Advisory Council (NIAC) held its first 2017 meeting in Washington on February 16.

NIAC addresses all aspects of strengthening the nation's infrastructure from natural disaster and terrorist attack. The council completed a 2016 report focused on large water systems' resilience and now is considering infrastructure ability to deter cyberattacks.

At an NIAC meeting in September 2016, Job addressed the resilience needs of groundwater as natural infrastructure for small water systems to supply their communities. At the recent meeting, he asked that NIAC consider small systems in evaluating cybersecurity needs.

Job also asked for DHS table top exercises on security of water systems to incorporate the needs of small systems. Table top exercises are trainings used by staff to simulate emergency situations. More than 37,000 small community water systems serving 10,000 or fewer people are groundwater-supplied.

NIAC vice-chair Dr. Beverly Scott and DHS staff said the department will invite NGWA to participate in those exercises in 2017.

NGWA impact: These exercises may identify small water system security needs that can be addressed by NGWA members' services.



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PURDUE INITIATIVE AIMS TO HELP FAMILY BUSINESSES

Darrin Pack, Purdue Agriculture News

WEST LAFAYETTE, Ind. - Purdue University agricultural economist Maria Marshall understands the significant financial and emotional investment required to run a successful family business.

"Research shows that one of the biggest reasons family businesses fail is family dynamics," says Marshall, director of the Purdue Initiative for Family Firms, commonly known as PIFF. "A lot of families want to talk about these issues, but they might not know exactly how."

A good first step, she said, is to visit PIFF's new website. The site, available at www.purdue.ag/piff, provides a wealth of information in four critical subject areas: estate and personal financial planning, strategic business planning, leadership and succession planning and maintaining family bonds.

The content was developed through extensive research conducted by Marshall and her colleagues from Purdue's Department of Agricultural Economics. "We do a lot of education, helping people think through the process," Marshall said. "It's all about setting expectations before a crisis comes about."

Interactive tools available on the website can help families in business make critical decisions about financial management, personnel issues, marketing and legal matters. There are also resources available for improving communication within both the business and family.

Family businesses are a critical part of the U.S. economy, especially so in rural areas, Marshall said.

"If you go to a restaurant or small retail shop, you're probably dealing with a family business," Marshall said. "About 77 percent of all U.S. businesses started as family-owned organizations. Family firms comprise about 80 to 90 percent of all business enterprises. About 35 percent of the Fortune 500 firms are family controlled. Moreover, the majority of farm and agricultural businesses are family controlled, from Cargill to the smallest family farm."

The Purdue Initiative for Family Firms was created to conduct research and provide information to help families in businesses succeed, she said.

"We provide multi-generational family businesses in Indiana with research-based business management resources aimed at improving personal leadership performance and driving operational growth," she said. "The goal is to prepare family business owners, shareholders and stakeholders, including non-owner spouses and future owners, for effective stewardship of their family enterprises."

Educators, students, attorneys, accountants and others who work with family businesses can find vital information through the initiative, Marshall said. "We hope to provide the research and resources to help a variety of people, both urban and rural," she said.

For more information, go to the PIFF website at www.purdue.ag/piff, or contact Marshall at 765-494-4268, mimarsha@purdue.edu.



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LETTER FROM THE PRESIDENT

Spring is here...I hope! As I am sitting here writing this column I cannot explain the weather in our great state of Indiana. The calendar says that Spring is officially only days away; however, the snow on the ground and the ten-day forecast spells out more Winter weather ahead. I cannot complain too much about the weather this winter. We have had some great working days and the long underwear has been back in the closet for at least a month! As we all know the weather can play such a large part of how and when work is completed in the water well industry.

I can remember back when I used to work with Dad during my summer vacations from school that we would leave home knowing that there was a chance for storms at some point during the day. We would keep an eye on the horizon and watch the clouds during the day to make sure we could take cover if needed. I can remember many times hurrying to get one part of the job completed before we would have to wait out an occasional thunder storm in the cab of the truck. We would listen to the radio to see how large the storm was and then hope to get back at our job as soon as possible. Weather warning systems have come a long way since those days.

I must say that I enjoy technology at my fingertips. The smart phones that we carry in our pockets these days make technology readily available. Especially when it comes to tracking the weather. I will admit that I am "slightly" addicted to watching the weather on my phone. (At least I am not addicted to Facebook or Twitter!) The weather app on my phone is great for alerting us

when storms are coming into our region and when we need to prepare for storms when we are on a jobsite. If there is a chance of storms throughout the day we can now watch the radar on our phones and easily tell how much time we have before needing to take cover.

The weather app also sends us an alert as to the intensity of storms moving into our region. One of the most important alerts available is the lightning tracker. It is difficult to tell the distance between lightning strikes and a job site. Knowing how far away the storm is when it comes to lightning is important to maintaining safety on a job site. This is especially true when we are drilling wells. It has been my pleasure to help coach my children's baseball teams over the past few years. When it comes to even one visible lightning strike the game is delayed for 30 minutes. How many of us delay our work for 30 minutes after a visible lightning strike?

I am looking forward to the IGWA events planned for this year! The field day on May 16 will be a great opportunity. The day will be resourceful and interesting. Plus, it will be worth 2 CEUs! Thank you Geoprobe!

In closing let me remind you to be mindful of safety when it comes to weather this spring. And please support our association by attending the upcoming field day!

Sincerely,
Rusty McGrew, McGrew Well Drilling



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Calendar

April 30

Deadline for IGWA's Joseph L. Armstrong Family in Business Scholarship application. Information and application on pages 10-11 in this newsletter or at www.indianagroundwater.com.



May 16

Geoprobe® class and demo

September 15

Fall Field Day

November 2

Annual Meeting & Fall 2017 CEU class
Greenwood, IN

November 2

DNR testing
Greenwood, IN

November 30

Dues renewal

TALES FROM THE TRENCHES

Nate Rutledge, Rutledge Well Drilling

Drilling is hard work and a process that does not happen quickly. Saving yourself time and frustration is a key to having a successful bore hole. When we are going through rods, it is always beneficial to clean/ream the hole several times per rod to keep the bit from getting bound up. At the end of each rod, give your hole a couple extra minutes to purge extra shavings and debris.

On more than one occasion I have tried rushing my rod change. Loss of footage and bits that are bound up in shavings usually slows down the process worse than had I just taken the extra few moments and let things develop out. Things would have gone much more smoothly had I just taken the time to let the mud boil or the chips clean out thoroughly. Having to go back a rod or spend time mixing unnecessary mud and fluids costs time and money. Spending a couple minutes reaming my hole and letting my shaving boil out, was time well spent.

A clean hole with good mud control is your best bet to stay trouble free and have a good day drilling. The same rules apply when drilling stone. Give your rod change enough time to purge all the shavings in order to keep your drill spinning free and to keep bridges of shaving from forming.

You will thank yourself when it is time to remove your bit and rods that you reamed the hole a couple times per rod and have a fully bored hole so you can develop your well.

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INDIANA GROUND WATER ASSOCIATION VOLUNTEERS A CALL TO SERVE

If you are interested in chairing or serving on a committee, check the respective committees below, complete the form, and return to IGWA.

- _____ By-laws
- _____ Communications (newsletter and website)
- _____ Convention (held biannually)
- _____ Education
- _____ Finance
- _____ Legislative
- _____ Membership
- _____ Scholarship

Name: _____

Company: _____

Phone Number: _____

Email: _____

Return to: IGWA

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JOSEPH L. ARMSTRONG FAMILY IN BUSINESS SCHOLARSHIP

Application Deadline: April 30

Scholarship Awarded: June 15

CRITERIA:

1. Applicant must be a member of IGWA, immediate family of IGWA member, employee of IGWA member or immediate family of employee.
2. Scholarship award can be used at any school of higher education (vocational, technical, community college, or university). Award can be used towards books, tuition, fees, etc.

REQUIREMENTS:

1. Completed Application Form
2. Statement of 500 words or less describing:
 - a. Proposed use of award money
 - b. Class or school attending
 - c. Future goals
 - d. Information about applicant, such as, but not limited to goals met, accomplishments both personal & academic, etc.
 - e. Financial need/special considerations.
3. Transcript of grades, GPA and high school attended

Resumes used for other Scholarship applications will be accepted. However, a statement of 500 words or less describing the above is required.

Statements and resumes on separate sheets of paper must be attached to enclosed statement sheet with signature of applicant.

The award is for one year and is renewable; however, the student must reapply.

RULES:

- Applicant must be a member, immediate family of IGWA member, employee of IGWA member, or immediate family member of employee.
- Applicant must be accepted at a college, university or trade or technical school. (Student may be full or part-time)

All applications must be returned before April 30.

Recipients will be notified by June 15.

The IGWA Scholarship Committee has absolute discretion in selecting recipients of the award and in determining the amount of said award. The Committee may make such amendments and modifications of the rules and regulations pertaining to the selection of award recipients, the amount of each award and the payment of awards as they, in their sole discretion, determine.

When an applicant has been named as a recipient of the award he or she shall, prior to August 1 in the year of the award, present to the IGWA satisfactory evidence of his or her acceptance or continued enrollment at a college, university, trade or technical school. Failure to do so will forfeit the scholarship.

The scholarship will be paid to the recipient of the award.

Mail or fax completed application forms by April 30th to:

IGWA Family in Business Scholarship
P.O. Box 160
Covington, IN 47932

For more information and questions, contact the IGWA office at 888-443-7330, Fax: 765-231-4430, or ingroundwater@gmail.com.

JOSEPH L. ARMSTRONG FAMILY IN BUSINESS SCHOLARSHIP APPLICATION

Deadline: April 30

Name: _____ Date of Birth: _____

Address: _____

City/State/Zip: _____

Phone: _____ Male or Female (circle)

Member Affiliated with IGWA: _____

Relationship: _____ Home Phone: _____

Email: _____

Business Name: _____ Business Phone: _____

Business Address: _____

High School attended: _____ GPA: _____

Address: _____

Proposed use of award money: _____

School/class attending: _____Accepted _____ Applied

School name: _____

Address: _____

Date(s): _____

PLEASE SEND COMPLETED APPLICATION FORM AND STATEMENT TO:

IGWA Family in Business Scholarship

P.O. Box 160 Covington, IN 47932

Statement (500 words or less):

(Use of another sheet is permitted, but it must be attached to this sheet, signed, and dated)

[illegible]

I affirm that the information provided for this scholarship is complete, accurate, and true to the best of my knowledge.

_____/_____
Applicants Signature / Date Submitted

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