



Land Improvement Contractors Of America · Illinois Chapter

September - October 2020

Lee Bunting
Past President

Grant Curtis
President

Steve Anderson
Vice President

Eric Layden
First Vice President

Ryan Arch
Executive Secretary

Bill Dean
Treasurer

Area Directors

Area 1

Brian Brooks

Area 2

Stuart Anderson

Area 3

Wes Litwiller
Joe Streitmatter

Area 4

David Kennedy
John McCoy

Area 6

Bill Dean
Scott Day

Area 8

Tom Beyers
Norm Kocher

David Randolph
Associate Director

Ryan Arch
Executive Director

SUMMER PICNIC OCTOBER 3, 2020



(page 11)

NOW IS THE TIME TO BE AN INDUSTRY ADVOCATE!



(page 6)

Also Featured Inside:

- ▶ **The Extension Connection: Developments in Agricultural Safety in the Department of Agricultural and Biological Engineering** (page 12-13)
- ▶ **Tile Drainage Design and Water Management Workshop Recap** (page 16)

Illinois LICA
112 Exchange St., Ste. 2
Galva, IL 61434

Upcoming Events:

- Board of Directors Meeting**
In-person (Springfield) & Virtual
September 12, 2020
- Summer Picnic**
Kennedy Farm Drainage - Colfax, IL
October 3, 2020

Roll with the best.

SPRINGFIELD PLASTICS, INC. is the only U.S. manufacturer certified to use 100% virgin resin in corrugated plastic drainage pipe. When you're investing in land drainage, depend on the consistency and quality that Springfield Plastics has provided for over 40 years.



7300 W. State Route 104, Auburn, IL

Consistent, durable, made to last for generations. Our **100% Virgin Resin Pipe** provides drainage solutions that outperform and outlast inferior products containing fillers.

Consistency in EVERY inch. 800-252-3361 | spipe.com

Schlatter's Inc.

Intelligent Water Management™



Drainage Flows
GPS Machine Control
Design Software
Custom Fabrication

16179 W 500 S
Francesville, IN 47946
(219) 567-9158
www.SchlattersInc.com



ORANGE

more than a color™

Hickenbottom Inc.

LOOK FOR THE BRIGHT ORANGE INLET - HICKENBOTTOM'S TRADEMARK

Visit us at the NEW hickenbottominc.com!

HBI-12516

The ILICA News



Editor / Advertising Manager
Ryan Arch

Past President
Lee Bunting, Dwight

President
Grant Curtis, Sciota

Vice President
Steve Anderson, Marseilles

1st Vice President
Eric Layden, Hoopeston

Executive Secretary
Ryan Arch, Galva

Treasurer
Bill Dean, Mattoon

Educational Advisor
Professor Richard Cooke
University of Illinois

The *ILICA News* is the official publication of Illinois Land Improvement Contractors Association, Inc. at 112 Exchange St., Ste. 2, Galva, IL 61434. (309) 932-1230.

Subscription price is \$50.00/year, issued bi-monthly: Jan.-Feb.; Mar.-Apr.; May-June; July-Aug.; Sept.-Oct.; Nov.-Dec., and also includes one annual directory.

FEATURES

Now is the Time to be an Industry Advocate 6

Summer Picnic 11

Tile Drainage Design & Water Management Workshop Recap 16

COLUMNS

President's Message 4

2020 Board Member Schedule & Attendance. 4-5

New Members. 5

ILICA Ladies Page: 9 Ways to Maintain Your Workout Momentum 8-9

The Extension Connection 12-13

2020 ILICA Committees 15

Advertisers Index 19

Board Meeting Notice 19

Calendar of Events 19

Featured LICA Benefit: FleetFuelz 20-21

Safety Feature: Preventing Trench Collapse. 22

Northland Trenching Equipment, LLC

"We are the largest volume supplier for this type of equipment in the US"



**Inter-Drain
Plows & Trenchers**

Corporate Office
12929 410th Avenue
Waseca, MN 56093
Phone: (507) 835-4214
Fax: (507) 835-2032

Eastern Division - Indiana
3578 North State Road 59
Brazil, IN 47834
Phone: (812) 835-2900
Fax: (812) 835-2535

Email: nte@hickorytech.net
www.northlandtrenching.com

Trimble TRIMBLE GPS SYSTEMS



The Inter-Drain plow, three types, double link, single cantilever, or single link, each in three sizes. Cat, Cummins or Volvo power. Offset available.



The Inter-Drain chain trencher. Four size choices, mechanical or hydraulic chain drive, vertical and offset available. Cummins, Volvo or Cat power.

FULL SERVICE AND REBUILDS

HUGE PARTS INVENTORY

NORTHLANDTrenching
Equipment, LLC

PRESIDENT'S MESSAGE



Hello Illinois LICA!

HOLY SMOKES! I don't know about you, but our summer has flown past! We put our 2nd grader on the bus today for his 1st day back to school! Yes, you heard correctly. Kane is a 2nd grader! The school has added a

few precautionary steps for getting onto the bus and back to school, but nothing is going to keep Kane from getting back to school, seeing his friends, learning and helping others.

Speaking of helping others...Illinois LICA, I NEED YOUR

HELP! As we progress into a new way of living, working and socializing, I ask for your ideas as we move forward as an organization. With the wide array of our members, spouses, and children being involved in different organizations, professions and activities, I'm positive you have encountered different ways of interacting with others during this time. I ask that you share those interaction ideas with myself or our great ILICA staff. We are always looking for ways to make our organization stronger, more helpful, and able to provide the services that our members are interested in.

Stay safe, healthy, and keep those ideas coming!

Grant Curtis

FOR SALE

5 Bags - Springfield Plastics 4" Shortneck Tap Tees
2 Bags - Springfield Plastics 4" Longneck Tap Tees

25 per bag - \$425.00 Cash - Call (309) 360-9667 and leave message

BOARD & MEMBERS' MEETING SCHEDULE

Unless changed by the Board during the year, the ILICA business meetings are scheduled as follows:

Sept. 12, 2020 - Regular Meeting of the Board:
 Virtual & In-Person (Springfield)

Nov. 7, 2020 - Regular Meeting of the Board:
 TBD

Exact location, meeting times & other details will be published in the ILICA News and sent to members via mail and/or email.

MAURER-STUTZ

ENGINEERS SURVEYORS

Conservation Engineering Services

- State and Federal Permitting Assistance
- Familiarity with NRCS Conservation Practice Standards
- NRCS Technical Service Provider (TSP)

Contact Gayle Baker, PE

309.693.7615

3116 N. Dries Lane, Suite 100 • Peoria, IL 61604 • mstutz.com

NEW MEMBER GIFT VOUCHER

Rural America's Largest Plat & Directory Publisher Since 1981

How to use the discount

Contact Farm and Home Publishers to be directed to your area representative. Present this voucher to be applied toward your new 1/8 page print ad for the area you wish to represent.

BUILD AND GROW TOGETHER

50% OFF

NEW MEMBER OF LICA & NEW CUSTOMER OF FHP
 Receive HALF OFF 1/8 Page Business Ad (Limit One County)
 One Rural Directory (Of Represented County)
 Total Due On Order \$185 + P&H (TOTAL VALUE \$370)
 (Limit One Voucher Per New Member, Not Valid With Any Other Offer)

Farm and Home Publishers
 P.O. Box 305, Belmond, Iowa 50421
 541.444.3508
 info@farmandhomepublishers.com

NEW MEMBERS

Active Contractors

Kevin Windish

AKW Excavating, Inc.

7321 N. Switzer Rd.

Brimfield, IL 61517

Ph: 309-303-1854

Email: akwexcavating@yahoo.com

Jason Medford

Big River Pipeline Services, LLC

25981 Fidelity Rd.

Medora, IL 62063

Ph: 618-946-6944

Email: bigriverpipelineservices@gmail.com

2020 BOARD MEMBER MTG. ATTENDANCE

A = absent P = present C = cancelled meeting

Area / Director	Feb	Mar	May	Aug	Sep	Nov
Pres: Grant Curtis	P	P	P	C		
VP: Steve Anderson	P	A	P	C		
1st VP: Eric Layden	P	A	P	C		
Area 1 - Brian Brooks	P	P	P	C		
Area 2 - Stuart Anderson	A	P	P	C		
Area 3 - Wes Litwiller	P	P	P	C		
Area 3 - Joe Streitmatter	P	P	P	C		
Area 4 - David Kennedy	P	A	P	C		
Area 4 - John McCoy	A	A	P	C		
Area 5 - Vacant	-	-	-	-		
Area 6 - Scott Day	P	P	P	C		
Area 6 - Bill Dean	P	A	P	C		
Area 7 - Vacant	-	-	-	-		
Area 8 - Norm Kocher	A	A	A	C		
Area 8 - Tom Beyers	P	A	P	C		
Associate Dir: D. Randolph	P	A	P	C		

Brush Shredder

Skid Steer Loaders
2 sizes available



Tractor Mounts
2 sizes available • 100-160 hp



Self Propelled
250 or 350 hp options



Snow Blowers
Model ST7 for skid loaders
Mountings available for Brown Bear tractor carriers



Auger Backfillers



Model R31 for High flow skid and compact track loaders with 3000-5500 psi and 30-50 GPM

Model PTOAB36-10 for tractors with hydrostatic or creeper type transmission and 100-160 hp

Self-Propelled tractor carriers with 130-350 hp available and 10'-14' wide backfiller head options



Brown Bear Corporation

Corning, Iowa 50841 • 641-322-4220

www.brownbearcorp.com • sales@brownbearcorp.com



NOW IS THE TIME TO BE AN INDUSTRY ADVOCATE!



Nick Yaksich (right) visits with 2020 National LICA Chair Bob Clark and his wife Donna to talk about market conditions and industry's legislative/regulatory priorities.

By Nick Yaksich

National LICA's Director of Government Relations

How we work, shop, go to school, socialize.....you name it, and there is no doubt our world has been turned upside down by the pandemic crisis. From a different era, Lin-Manuel Miranda captured the story of Alexander Hamilton's world turned upside down as he worked his relationships and navigated his way to a position of influence. In Hamilton's day, the key to make deals and influence a process was to be in the room where it happens.

Today, supporters of land improvement and conservation must be educated on the issues important to the industry and build relationships at the local, state and federal government levels. But it's no longer going to Washington DC or Springfield to get in the room where it happens; but being on the zoom where decisions are discussed that may impact your business. Now more than ever in our history, effectively sharing your views and experience with elected and government officials will help grow the economy, improve the environment and strengthen the land improvement industry.

To make 2020 even more tumultuous, we have a presidential election and an expected closely contested fight for majority control of Congress. Control over the Senate with its current majority split of 53-45-2 is very much in play as both parties pour millions of dollars into hotly contested seats. Business leaders need to engage with candidates to get their views on key issues. No one knows the issues better than you, the voter, and your affiliated groups!

Having worked in state and federal government advocacy for over 40 years, I have seen firsthand the importance of constitu-

ents educating elected officials on important issues in the district or state. Despite all the quarantine and social distancing requirements, becoming an advocate is actually easier nowadays with technology and a recognition by elected officials that they need new communication channels to constituents.

Just like in your business, advocacy is about building relationships long before you go in for the sale or the ask. Here are some simple steps to begin becoming an advocate for your business and your industry.

Be informed. No one knows your business better than you do. Identify the issues that are important to your business and it's a sure bet that government has or can influence that issue in some way. IL LICA and National LICA updates and newsletters are important sources on what is currently pending before Congress or the state legislature.

Start to build a relationship with your local elected officials. Communicating your concerns through an email or a letter is the simple and most direct way to be heard. Every elected official handle constituent correspondence in different ways. Some have a turnover time for a response to be drafted. Some elected officials read every incoming and outgoing correspondence. Even if your issue is not currently being debated, it is important to educate your elected officials on why these issues are important to your business. Ask to meet face to face via a Zoom meeting and prepare specific points you want to make. Request to get on their newsletter distribution list to keep apprised of issues.

React to their positions on pending issues. Whatever form of communication you choose, always ask for their position or a follow up from the elected official or the staff person. Nothing brings more fear to a staff person who fails to respond to a constituent's request in a timely fashion. Be respectful but if you disagree, let them know you do and why. It is important to educate both sides of the political aisle.

Organize others in your company and industry. You are one vote. Expand that to include your family and/or management team in becoming an advocate. Many small and large companies assign one elected official to an employee to start building a relationship as a business constituent. Serve on an IL LICA committee. There is definitely strength in numbers to build support for your issue.

The world has turned upside down but becoming an active industry advocate can help work through our challenges and create new opportunities. As I write this, I realize there are 82 days to the election, 103 days until Thanksgiving, 132 days until Christmas and 139 days until 2020 ends. Together, we can make a difference and be stronger for it!

TRUST ISN'T GIVEN. IT'S EARNED.

Rick Gosser
Crawford Drainage
ADS Contractor

There's a reason more than a billion feet of ADS pipe lies beneath America's heartland. It's simple; we build trust. Since 1966, contractors across Illinois have trusted ADS to deliver total ag water management solutions. Whether it's tile, lift stations or water control structures, ADS has everything you need to improve the land for future generations to come.

See Rick's story at ads-pipe.com/stories.



ILICA Ladies Page



9 Ways to Maintain Your Workout Momentum Through Fall

Swimsuit season is over, but don't let packing on the layers give you an excuse to pack up your workout gear. Fall is a time for turning inward, reflecting and getting cozy with a steaming mug of tea, a soft blanket and a book. But every Yin needs its Yang, and slow comfort should be balanced out with dynamic activity.

So while you're drawn to embrace the mindfulness that the season inspires, consider these exciting ways to lean into the adventure and energy that autumn has to offer to keep you active all season long.

1. Venture Into a National Park

"With some of the best terrain in the country, it's no surprise that many of our adventures are based in America's National Parks," says Viktor Marohnic, founder of 57Hours, a free app that connects adventurers with local guides. In fall, parks are less crowded, but the weather conditions are often better than in summer.

"Whether you're looking to take a beginner rock climbing course in Acadia National Park, a mountain bike tour in Moab, Utah, or guided hiking in the Grand Canyon, a local adventurer can show you the best spots and provide you with everything you need to tackle the activity to the fullest."

Read more:

15 Beautiful U.S. National Parks You Must See (and Hike!), <https://goneoutdoors.com/15-beautiful-us-national-parks-you-must-see-and-hike-9409510.html>

2. Get Creative With Outdoor Workouts

Spending time in nature can help reduce stress, according to a 2010 study from the International Journal of Environmental

Research and Public Health. Even 20 minutes of outdoor exercise can make a big difference, and you can easily fit it in during lunchtime, on your walk home from work, or after dinner before sunset.

Here are some exercises Bonnie Micheli and Tracy Romer, co-founders and trainers at Shred415, recommend.

- **Lunges in the grass:** Grass is like a cushion, soft and gentle on your muscles, making it perfect for a warm-up lunge routine. Complete 10 reps of forward, sideways and backward lunges.
- **Hill or stair sprints:** Challenge yourself to five reps of hill or stair climbs, sprinting the incline and walking the decline.
- **Squat jumps in the sand:** Sand is a softer surface to complete high-impact exercises, like jumping. Try 10 squat jumps.
- **Bench triceps dips and wall sits:** Stop at a neighborhood or park bench and do some triceps dips, then hold a one-minute wall sit against the back of the bench.
- **Park pull-ups and V-ups:** Use the monkey bars or stand-alone bars at a playground to do pull-ups, and the nearby grass for V-ups.
- **Trail running circuit:** On a paved running trail, alternate two minutes running, one minute walking for 20 minutes, for a full-body workout.

Read more:

How to Find the Best Outdoor Workout for Every Fitness Style, <https://www.livestrong.com/article/13719758-best-outdoor-workouts/>

3. Layer Up Against the Elements

Having the proper cold weather clothing and gear — extra layers, wind/waterproof shells, Smartwool socks, etc. — makes a huge difference in your comfort, which means you're more likely to stick to your exercise goals year-round.

While you don't need to drop a fortune on a shopping spree, certified trainer and MINDBODY wellness manager Kate Ligler recommends investing in one or two new pieces like a fuzzy fleece for warmth and comfort or reflective outerwear to help you stay safe as daylight hours wane.

4. Change Up Your Routine With "The Pumpkin Workout"

Pumpkin has been added to everything fall-related — why not add it to your fall workout? OK, maybe not really. But you can swap in a medicine ball or kettlebell in its place.

ILICA Ladies Page (cont.)

Elise Cairra, trainer and owner of Sweat Fixx in Boston, Massachusetts, put together this creative lower-body workout. Set a 20-minute timer and get through as many rounds as you can, taking breaks and hydrating when you need it.

- **Lunge Twist:** Hold a medicine ball to your chest as you lunge forward and twist to one side. As you twist back to center, rise up and press the weight to the sky. Complete 10 reps, then switch sides.
- **Step-Ups:** Hold your medicine ball to your chest and step up onto a bench or chair one leg at a time. Complete 10 reps on one leg before switching.
- **Squat Thrust:** Start with your feet hip-width apart, medicine ball at your chest. Lower down into your squat, then straighten, pressing the ball overhead. Do 10 reps.
- **Mountain Climbers:** Start in a high plank, with your hands on a medicine ball. Keeping your hips down, drive one knee in toward your chest, then quickly switch legs. Do 20 reps total (10 on each leg).

5. Hit the Trails

Whether you're going for a hike or running the trails, a softer surface can reduce the impact on your joints and the uneven terrain can increase cognitive motor function and overall coordination, says Timothy Lyman, an American Council on Exercise-certified personal trainer and director of training programs at Fleet Feet in Pittsburgh.

While you're at it, Lyman suggests unplugging your ear buds and tuning into Mother Nature instead. "Running on a trail and listening to the sounds of nature is much more conducive to overall mental health than drowning out the sounds of sirens and car horns with loud music blasting through headphones."

Read more:

The Top 10 Spectacular Fall Foliage Hikes,
<https://www.livestrong.com/slideshow/1012419-10-spectacular-fall-foliage-hikes/>

6. Connect Mind and Body

"In autumn, we all carry with us from childhood the 'back-to-school' rhythm of readiness for learning and a spirit of preparing for winter," says Sean Dennison, executive director of the Taoist Tai Chi Society of the USA.

This makes fall a perfect time to improve your mind-body connection with a restorative workout like Tai Chi or yoga. Not only can they help build strength and flexibility, but they can also help improve balance and relieve stress as a "moving meditation," working to focus your mind for clearer thinking.

7. Try a New Class

"If you have never tried a Pilates, barre or yoga class, find a local one and give it a try," says Melissa Morris, a nutrition and applied kinesiology professor at the University of Tampa.

ClassPass, an app that lets you try classes at different locations, is a commitment-free way to test out what might just become your new favorite workout. Or try a streaming workout service at home for even more options to try something new every day.

8. Take Your Workout Indoors

"While there's nothing like running outdoors, fall can be a great time to embrace treadmill training. It's a perfect 'no-excuse' machine," says Leanne Pedante, Road Runners Club of America-certified run coach and head of training programs for STRIDE.

Or try indoor rowing, says Caley Crawford, certified personal trainer and director of education for Row House, which has taken its place beside indoor cycling and treadmill classes. If you have an indoor rowing machine at home or your gym, try this workout from Crawford:

- Warm up for three to five minutes.
- Start with 1250 meters at 85-percent effort.
- Take a break with strength-building floor work.
- Repeat for 5 rounds total, decreasing distance by 250 meters while increasing your intensity for each round.
- Cool down with a three-minute row at 40-percent effort, followed by two to three minutes of stretching.

Read more:

Do Your Resolutions Need a Fall Reset?,
<https://www.livestrong.com/article/13721470-reset-resolutions-for-fall/>

9. Work Out With a Buddy

"Motivating yourself to work out can be hard when the seasons are changing, and the weather is unpredictable," says Caleb Backe, certified personal trainer and health expert for Maple Holistics. But with a workout buddy, you hold each other accountable rain or shine.

Start a lunchtime walking club at work or hold walk-and-talk meetings for a change of scenery. Check local coffee shops and community center boards for workout groups you can join. If you can't find one, start your own via Meetup, NextDoor or another local social media app.

Source: Reprinted with permission from LIVINGSTRONG.COM; Author Cara Stevens; <https://www.livestrong.com/article/98340-10-tips-fall-fitness/>



ENVISION

INSURANCE GROUP

Owned and Operated by
Miller Dredge Insurance

Four Area Locations to Serve You

7150 N. University St.
Peoria, IL 61614
(309) 683-1100

456 E. Main St.
Galesburg, IL 61401
(309) 343-1168

300 E. War Memorial Dr.
Peoria, IL 61614
(309) 685-6606

150 S. Main St.
Morton, IL 61550
(309) 263-2400

- Business & Personal Insurance
- Life & Health Benefits • Bonding



Quality Products...Unequaled Service

Over 50 years of manufacturing and supplying corrugated metal pipe and related highway drainage products.

Havana, IL Office (309) 543-2271
Monmouth, IL Office (309) 734-4113
Corporate Office (800) 735-7312

Email: sales@metalculverts.com
www.metalculverts.com



REMINDER: FREE CONTRACTOR CLASSIFIED LISTINGS AVAILABLE

Contact the ILICA Office to learn more 309.932.1230



THINK SAFETY FIRST

 **Vermeer**
Midwest

1807 179th St North
East Moline, IL 61244
(309) 751-9540

120 East Martin Dr
Goodfield, IL 61742
(309) 965-3300

VERMEERMIDWEST.COM

October 3rd Annual Picnic



**Kennedy Farm Drainage
30272 Mackinaw River Rd.
Colfax, IL 61728**



Please join Illinois LICA for our Annual Picnic at Kennedy Farm Drainage in Colfax, IL. The day will begin with a boxed lunch followed by a guided wetland site tour (utvs & atvs welcome). Ladies' activities, in lieu of the tour, include shopping and crafting. After the tour, members and their families are invited to enjoy fishing, a bags tournament, and more! Camping space available by calling 309-275-6149. Event will be held in adherence to CDC recommended guidelines for COVID-19 (i.e. social distancing, PPE provided for use, etc.).

Schedule:

- 12:00 pm - 1:00 pm: Lunch**
- 1:00 pm - 2:30 pm: Guided Wetland Tour**
- 2:30 pm - ?: Fishing, Bags Tourney , Etc.**



Please RSVP by September 18th

Name/Company Name: _____

Yes, I/we will attend lunch # _____ (\$15 pp/\$40 per family)

Yes, I/we will attend the wetland site tour # _____

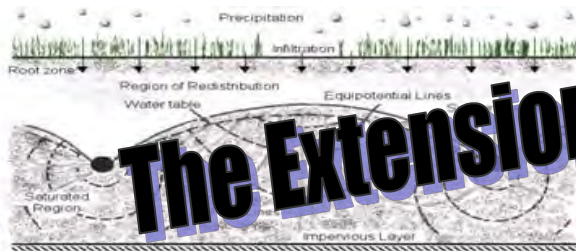
Yes, I/we will attend the ladies activity # _____

Names of all attending:

Return to:

Illinois LICA
112 Exchange St., Ste. 2
Galva, IL 61434

Total enclosed \$ _____ or Bill me



Source: Salah Issa,

Department of Agricultural and Biological Engineering, University of Illinois at Urbana-Champaign, Urbana, IL 61801

DEVELOPMENTS IN AGRICULTURAL SAFETY IN THE DEPARTMENT OF AGRICULTURAL AND BIOLOGICAL ENGINEERING

Over the last year, the Department of Agricultural and Biological Engineering has expanded their focus area in Agricultural Safety and Health field by hiring three new faculty members with diverse interests. With the addition of Drs. Issa, Rudolphi and Tessum, the capacity to address a variety of important agricultural safety and health issues has dramatically expanded. The current primary focus areas include:

1. Illinois AgrAbility Unlimited
2. Agricultural Mental Health
3. Grain Handling Safety
4. Agricultural Air Pollution
5. Agricultural Youth Safety
6. Managing Agricultural Safety and Health Risks

I would like to take this issue to introduce you to the new team and elaborate a bit on their research and extension interests.



Dr. Salah Issa

Dr. Salah Issa is an Assistant Professor in the Department of Agricultural and Biological Engineering (ABE) at the University of Illinois at Urbana-Champaign. Dr. Issa's research is focused on injury prevention through predictive algorithms, evaluating new technologies to reduce or remove hazards. Recognizing that agriculture ranks among the deadliest occupations with injury rates remaining fairly stable since 1990's, he is exploring new strategies in training, and prevention. He has done extensive research in grain engulfment including studying the pressure that grain places on the human body during entrapment and the force required to extricate a victim. He has a B.S. in Biochemical Engineering, a M.S.E. in Agricultural Engineering with a focus on Crop Modelling, and a Ph.D. in Agri-

cultural Engineering with a focus on Agricultural Safety in Grain Handling Facilities. His extension program focuses on agricultural injury trends in Illinois and promoting a culture of safety among Illinois farmers and workers.

Dr. Issa will be leading the Grain Handling & Storage Injury Prevention program at University of Illinois currently run in coordination with the Grain Handling Safety Council. Within the grain industry his research and extension interests include:

1. Developing preventative strategies and technologies that allow agricultural producers and grain workers to remove grain blockages without entering grain bins.
2. Investigating the relationship between seasonal variations (for example: dry vs wet year) on number of grain entrapments documented
3. Promote grain safety awareness through extension programs, grain conferences, fairs, etc.
4. Host training programs to train beginning workers, grain producers, grain workers and first responders on the nature of how grain flow and how to stay safe.
5. Host train the trainer programs to increase training capacity and access.

1. Developing preventative strategies and technologies that allow agricultural producers and grain workers to remove grain blockages without entering grain bins.
2. Investigating the relationship between seasonal variations (for example: dry vs wet year) on number of grain entrapments documented
3. Promote grain safety awareness through extension programs, grain conferences, fairs, etc.
4. Host training programs to train beginning workers, grain producers, grain workers and first responders on the nature of how grain flow and how to stay safe.
5. Host train the trainer programs to increase training capacity and access.

Salah Issa can be reached at salah01@illinois.edu or (217) 244-2189



Dr. Josie Rudolphi

Dr. Josie Rudolphi is an Assistant Professor in the Department of Agricultural and Biological Engineering (ABE) at the University of Illinois at Urbana-Champaign. Rudolphi has worked to develop a research program focused on farmer and rancher mental health and resiliency among

The Extension Connection (cont.)

agricultural communities. She has examined the prevalence of depression and anxiety among sub-populations of agricultural workers and explored opportunities and avenues for intervention. Rudolphi serves as the co-director of Illinois AgrAbility and the NIOSH Agricultural Safety and Health Traineeship program at the University of Illinois Urbana-Champaign. Additionally, Rudolphi serves as an Extension Specialist and works to communicate research findings and develop appropriate mental health programming for agricultural producers and stakeholders in Illinois. Previously, Rudolphi worked as an Associate Research Scientist at the National Farm Medicine Center in Marshfield, WI, and as a high school agricultural educator and FFA advisor at Davis County High School in Bloomfield, IA. She grew up on a corn and soybean farm in eastern Iowa. She obtained a MS in Agricultural Education from Iowa State University and a PhD in Occupational and Environmental Health in Agricultural Safety & Health from University of Iowa.

Current research and extension interests in field of Agricultural mental health include:

1. Quantify the burden of mental health disorders among agricultural producers and identify risk and protective factors for mental health disorders.
2. Develop and test interventions to improve and maintain mental health among agricultural populations.
3. Identify the impact of agricultural stressors on farm families and agricultural communities.
4. Promote mental health and awareness through community outreach.
5. Educate agricultural producers and communities on risk factors for poor mental health and strategies to improve mental health.
6. Host Mental Health First Aid courses, or similar, to train non-mental health professionals to intervene during mental health crises.

Josie Rudolphi can be reached at josier@illinois.edu or (217) 300-8833



Dr. Mei Tessum

Dr. Mei Tessum is a Research Assistant Professor in the Department of Agricultural and Biological Engineering (ABE) at the University of Illinois at Urbana-Champaign. Her research interests are aerosol sampling and control technology, ambient air quality monitoring strategy, spatial temporal

air pollution exposure modeling, and health effects of air pollution. Dr. Tessum has served as staff epidemiologist in China CDC and investigated air pollution exposure and population health outcomes. She has also received a NIH fellowship to research air pollutant sampling campaign design to maximize accuracy in capturing highly variable spatial distributions of urban air pollution and statistical methods for quantifying population-level air pollution exposures. Dr. Tessum has a medical degree, a M.S. in Exposure Science, and a Ph.D. in Industrial Hygiene. Her extension program focuses on agricultural air pollution in Illinois and promoting air pollution related community health among Illinois farmers and workers.

Current research and extension interests in field of Agricultural Air Pollution and Health include:

1. Improve the design of air pollution monitoring campaigns for accurate and cost-effective air pollution data.
2. Develop individual level air pollution predictive modeling targeting agricultural-related air pollution.
3. Investigate the links between atmospheric air pollutant exposure and health impacts.
4. Promote air pollution and health through community outreach and education meetings.
5. Host communication programs to help Illinois farmers and their families to understand the local air quality situation and potential hazardous agricultural emissions.
6. Host training programs to help Illinois farmers and workers to identify air pollution related problems and to provide recommendations and additional resources regarding the problems.

Mei Tessum can be reached at mtessum@illinois.edu or (217) 244-7264

BRON

POWER TO PERFORM

www.rwfbron.com

- Five Core Cooling System exceeds cooling for Tier 4 engine standards
- Quieter Reconfigured Cab Interior for Operator comfort
- Standard DL 850 Drainage Plow increased strength & durability
- LED Light Package for increased visibility for those long days in the field
- Improved swing mechanism for the Onboard Reel for smoother reel speeds & consistent torque
- Optional hydraulic rear step raises out of the way when plowing and lowers when required.
- Standard oscillating track frames.



BRON 585

SELF-PROPELLED DRAINAGE PLOW

AUTO STEER READY | LOW GROUND PRESSURE
CAT OR CUMMINS ENGINE

Committed to Conservation



Agri Drain CORPORATION

Your trusted source for over 40 years providing water management products that provide on-farm benefits to the producer.

Full line of products for:

- ✓ Drainage water management
- ✓ Saturated buffers
- ✓ Bioreactors
- ✓ Sub-irrigation



Get started by calling ESE, your USDA-NRCS Certified Technical Service Providers, for a **FREE** site review!

- ✓ Conservation planning and water management system design
- ✓ Drainage and sub-irrigation system design
- ✓ Saturated buffer and bioreactor plans



ESE
Ecosystem Services Exchange
Valuing Conservation

800.232.4742 | www.agridrain.com

303.718.2889 | www.ecoexch.com

Precision Intakes

Full Line of Surface Water Intakes

- 8" & 10" riser with patented 8" & 10" combination Tees. Also 6" square & round risers with patented reducing Tee.
- Constructed of heavy-weight, high-density polyethylene.
- Parts highly adjustable & interchangeable with others on the market.
- Orifice plate placed at tee level or at ground level.
- Exclusive locking device on each part.
- User Friendly-Priced effectively.
- Adaptor available to repair old metal or broken intakes.



Why inventory 2, when 1 serves both!



"Dealer Inquires Welcome"

~~PRECISION INTAKES~~

Tim Rozendaal — Coretha Rozendaal (800) 932-7611
2064 Republic Ave West, Monroe IA 50170 (641) 259-2651
www.precisionintakes.com Fax (641) 259-3218

2020 ILICA COMMITTEES

Associate

David Randolph, Chair
Mark Baker
Chad Nicholson
John Pogge

Auditing

Bill Dean, Chair
Steve Anderson
Ron Masching

Awards

Bill & Bev Dean, Chair
Lori Kennedy
Veronica Seevers

Budget

Steve Anderson, Chair
Grant Curtis
Bill Dean
Eric Layden
Joe Streitmatter

By-Laws

Bill Dean, Chair
Steve Anderson
Stuart Anderson
Lee Bunting
Stan Seevers
Joe Streitmatter

Certification

Tom Beyers, Chair
Richard Cooke (U of I)
Wayne Litwiller
Ron Masching
Stan Seevers
Joe Streitmatter

Certification Board

Tom Beyers, Chair
David Kennedy
Wayne Litwiller
Ron Masching

Convention

Eric & Angela Layden, Chairs
Grant & Lindsey Curtis
Greg & Jennifer Furkin
Kyle Kocurek
Art Littlefield
Jon & Veronica Seevers

Devotions

Jean Davis, Chair
Steve Anderson
Janet Burtle-Doubet
Coretha Rozendaal

Education

Eric Layden, Chair
Tom Beyers
Brent Breedlove
Richard Cooke (U of I)
Grant Curtis
Wes Lehman
Jon Seevers
Mike Yordy

Executive Committee

Grant Curtis, Chair
Steve Anderson
Ryan Arch
Lee Bunting (Past President)
Bill Dean
Eric Layden

Golf Outing

Brian Brooks/Bill Dean, Co-Chairs
Jerry Biuso
Norm Kocher

Headquarters

Norm Kocher, Chair
Steve Anderson
Mark Baker
Tom Beyers
Ron Masching

Industrial & Business

Relations

David Kennedy, Chair
Dan Day
Bill Dean
Josh Kafer
Wayne Litwiller
Mike Yordy

Insurance

Joe Streitmatter, Chair
Lori Kennedy
John McCoy

Ladies

Lindsey Curtis, Chair
Judy Beyers
Marie Bunting
Lori Kennedy
Cathy Masching
Veronica Seevers

Legislative

Tom Beyers, Chair
Steve Anderson
Lee Bunting
Bill Doubet
Norm Kocher
Joe Streitmatter
Mike Yordy

Long Term Planning

Steve Anderson, Chair
Stuart Anderson
Dan Day
Bill Doubet
Ron Masching

Membership

Norm Kocher, Chair
Steve Anderson
Tom Beyers
Brent Breedlove
Brian Brooks
Dan Day
Scott Day
Bill Dean
Bill Doubet
Eugene Glueck
Ron Masching
Larry Rhodenbaugh
KC Rhodes

Nomination

Joe Streitmatter, Chair
Stuart Anderson
Brian Brooks
Dan Day
Ron Masching

On-Site Waste

Wayne Litwiller, Chair
John McCoy
Larry Rhodenbaugh

Picnic

Bill Dean/Jon Seevers, Co-Chairs

Publicity

Grant Curtis, Chair
Mark Baker
Bill Doubet
Wayne Litwiller

Safety

Tom Beyers, Chair
Brent Breedlove
David Kennedy
John McCoy

Show & Other Income

Brian Brooks/Jon Seevers, Co-Chairs
Brent Breedlove
Dan Day
Bill Dean
Bill Doubet
David Kennedy
Joe Krupps
Eric Layden
Wayne Litwiller
Wes Litwiller
John McCoy
Joe Streitmatter

TILE DRAINAGE DESIGN & WATER MANAGEMENT WORKSHOP RECAP



UNIVERSITY OF ILLINOIS
EXTENSION

By Dr. Richard Cooke

Department of Agricultural and Biological Engineering, University of Illinois at Urbana-Champaign, Urbana, IL

Current circumstances forced us to move the Drainage Design and Water Management Workshop online.

In the absence of hands-on activities, we elected to emphasize interactive activities. Presentations were uploaded prior to the workshop, and the main emphasis of the workshop was on working examples together. Participants were provided with step by step instructions as well as data files for working the examples. Taking a page from professional sports, each session included one to three practicing drainage contractors providing “color commentary” while the presenter went through the examples. There was also an independent person to monitor the chat room and pass on comments. The workshop was run with two concurrent sessions covering both introductory and advanced drainage design topics. Topics such as Drainage Water Quality, Drainage Law, and Practical Installation Procedures, were covered as a single group.

There was a total of 130 registrants, mainly from the US, but also from South Africa, India, Germany, and Nigeria. There were a few Zoom hiccups, particularly with the setting up of concurrent sessions, but with the able assistance of Haley Keitel from Purdue University, we were able to quickly move beyond them. The sessions proceeded as planned. A quick perusal of the evaluation surveys showed a positive shift in understanding of the topics presented.

Videos of the sessions will be uploaded to the workshop website (wq.illinois.edu/ws2020/). This site will be folded into the Illinois Drainage Guide, with continuing access to the presentations, session videos and worked examples.

This workshop would not have been possible without the contributions of ILICA. Thank you. I would like to particularly thank Ryan Arch who stepped in at last minute to monitor the chat rooms, and Jon Seevers, Joe Streitmatter and Eric Leyden who provided running commentary and kept the chat room both practical and exciting. Working with ILICA is one of the high points of my career, and I learn new things every time we interact.



We hope you were able to attend the 2020

UNIVERSITY OF ILLINOIS EXTENSION DRAINAGE WORKSHOP

Thank you to our event gift packet sponsors:



In-kind donors: J.U.L.I.E, Prins Insurance, United Fire Group, Springfield Plastics, Prinsco, Precision Intakes, River Valley Pipe, First Mid Insurance, Storm Water Supply, Roland Machinery, Harris Metals, Fratco, Agri Drain

THE EASIEST WAY TO **SELL** USED EQUIPMENT



WE LIST, MARKET, AND SELL your equipment to the highest bidder.

purplewave.com



purple wave AUCTION

DEDICATED TO SERVING OUR CUSTOMERS

COOK'S //AGPS LLC

YOUR CONTINUED SOURCE FOR:



INDUSTRY LEADING FINE GRADE RTK GPS MACHINE CONTROL SYSTEMS



Design and machine control for tile drainage, land leveling and surface water management needs.



GPS-GNSS RECEIVERS & ANTENNAS

Working with NovAtel technologies, we have the ability to control equipment requiring 2 GPS positions with 1 rover, saving you the cost of buying a second rover system.

ASK US HOW YOU CAN SAVE TIME SURVEYING LESS WITH OUR LIDAR DATA PREP SERVICES

Contact Nate or Mike: Phone: 989-640-2347 or 989-587-3528
Email: nate@cookswms.com or mike@cookswms.com



You protect the fields and increase the yields.

We assist with your business succession to protect your hard earned legacy for a future generation.



Art Littlefield
Farm Succession - Estate Planning Specialist
Lincoln Financial Advisors
630-408-0110
art.littlefield@lfg.com



Arthur S. Littlefield, MBA, Registered Representative of Lincoln Financial Advisors Corp, a broker-dealer (member SIPC) and registered investment advisor, and a member of its Agribusiness Services Team.
CRN-2340061-120618

LICA MISSION

To promote, perpetuate, and improve the proper use of our natural resources for the benefit of all

YOUR CONSTRUCTION INSURANCE PARTNERS



Dimond Bros.

Insurance Since 1867

DimondBros.com

Spring Valley
120 E. Dakota St.
Spring Valley, IL 61362
815.663.9905

Fairbury
118 N. Third St.
Fairbury, IL 61739
815-692-2343

ILICA TRIVIA *Guess That Contractor!*



BE THE FIRST TO SUBMIT
THE CORRECT ANSWER TO
MICHELLE@ILICA.NET

ONE LUCKY WINNER WILL
RECEIVE A PRIZE!



CLUES

PHOTO YEAR: 1976

AGE AT THE TIME OF PHOTO: 15



CALENDAR OF EVENTS

Illinois

Board of Directors Meeting

September 12, 2020

Board & committee meetings held in-person & virtually

In-person: Crowne Plaza Springfield

3000 S. Dirksen Parkway, Springfield, IL 62703

Virtual Zoom meeting (registration required):

https://us02web.zoom.us/join/2prz8sE9x-LDry_UFYlov-m-2cIEco

Committee meetings: 9 am - 1 pm

Board Meeting: 2 pm

Summer Picnic

October 3, 2020

Kennedy Farm Drainage

30272 Mackinaw River Rd.

Colfax, IL 61728

12:00 pm - 3:30 pm

ADVERTISERS INDEX

Advanced Drainage Systems, Inc.	7
Agri Drain Corp	14
BRON	14
Brown Bear Corp	5
Cook's AGPS, LLC.	17
Dimond Bros. Insurance, LLC.	18
Envision Insurance Group, LLC	10
Farm and Home Publishers	4
Fratco, Inc.	23
Hickenbottom, Inc.	2
Jim Hawk Truck Trailers, Inc.	19
Lincoln Financial Agribusiness Services.	17
Martin Equipment of Illinois, Inc	24
Maurer-Stutz, Inc	4
Metal Culverts, Inc	10
Northland Trenching Equipment, LLC	3
Precision Intakes, Ltd	14
Prins Insurance, Inc./United Fire Group.	24
Prinsco, Inc	24
Purple Wave Auction	17
Roland Machinery Co.	24
Schlatter's, Inc.	2
Springfield Plastics, Inc.	2
Vermeer Midwest, Inc	10

JIM HAWK TRUCK TRAILERS INC

TRAILERS... PARTS... SERVICE... RENTALS...

The Largest Trailer Inventory in North America
9 Branch Locations Nationwide

WE PROUDLY OFFER...

Great Dane, TRAIL KING INDUSTRIES, XL SPECIALIZED TRAILERS, RAVENS By Kruz, CONSTRUCTION TRAILER SPECIALISTS, ALPHA TRAILERS, STOUGHTON, MAC, PRESTIGE, Travis, Etnyre, AUTOCAR

VISIT YOUR NEAREST JIM HAWK TRUCK TRAILERS
650 FLINT AVE, MORTON, IL 61550

WWW.JHTT.COM | 800.421.6559

FEATURED LICA BENEFIT: FLEETFUELZ



LICA MEMBERS RECEIVE
NO DELIVERY FEE
FREE TANK RENTAL
10% OFF LUBRICANTS
 and much more...

NATIONAL FUEL DELIVERY

WHAT IS FLEETFUELZ?

Imagine the ability to have a single source vendor for every jobsite, fleet location or power generator nationally, anywhere, anytime, this is FleetFuelz. With our direct terminal supply as a P66 and Valero dealer, FleetFuelz supplies through a national network of over 3000 partners.

NATIONAL SERVICES



FUEL & LUBES APP
ALL ORDERS THROUGH A PORTAL
WWW.FLEETFUELZ.NET
IOS & ANDROID



JOBSITE OR YARD
EVERYWHERE - ANYTIME



FUEL STATIONS
FULL SERVICE WITH REBATE

SERVICES & PRODUCTS AVAILABLE FOR DIRECT DELIVERY

- Red Dye Diesel
- Bio-Diesel
- On Road Diesel
- Bulk Diesel
- All Octane Gasolines
- Propane
- Gear Oil
- Hydraulic Fluid
- DEF
- Antifreeze
- Aviation Fuel Over Wing

+1-833-FLT-FUEL (358-3835)

rob@fleetfuelz.com
 Rob Coco, LICA Representative

www.lica.fleetfuelz.net

FEATURED LICA BENEFIT: FLEETFUELZ (CONT.)

Off Road Diesel Programs

www.lica.fleetfuelz.net

WE PROVIDE STATION EFFICIENCY



PROVIDE YOUR LOCATIONS WITH FUEL

FleetFuelz offers fuel solution stations with point of sale systems to run 24 hours, unmanned and increase efficiency for your company. These units are DOT approved, Portable with a full fuel management system to literally place anywhere at your yard or site. Ask us how to get your own system for free with our rebate program!



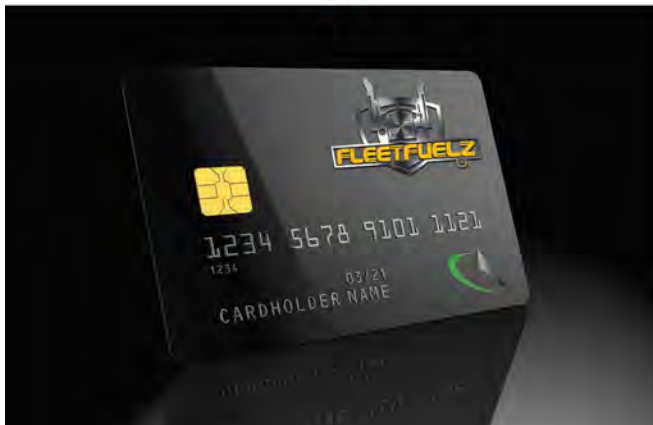
SWAP & GO RED DYE EXCHANGE TANKS

LICA RED DYE PROGRAMS



- Lease to own for as low as \$499.00 per month or partner with FleetFuelz with no out of pocket cost, rebate programs can make this unit free.*
- Automatic Fuel Delivery provided by FleetFuelz, Nationally.
- Accepts all Fuel and Fleet Cards! WEX, ComDATA, CPS, FleetFuelz
- Swap and Go Red Dye 106G full pump tanks for exchange revenue!
- DEF Solutions and stand alone DEF dispensors.

*Requires a FleetFuelz Fuel Contract



HEY LICA MEMBERS! HUGE DISCOUNTS WITH THE ONE AND ONLY:

ON-ROAD OR AT SITE FLEET CARD ENTIRE COMPANY... SINGLE CARD....



SAFETY FEATURE: PREVENTING TRENCH COLLAPSE

It's a simple matter of physics—trench walls want to collapse. When they do, it happens quickly and the results can be fatal. It doesn't take much dirt to trap and crush a worker, which is why it is important that you take the proper precautions during excavations that require a trench deeper than 5 feet.

Keep the Surface Clean

Trench collapse occurs when the trench walls can no longer contain the large amount of pressure put on them by the surrounding soil. While this can be a problem at any depth, it is made worse when excavated materials are piled at the edge of the trench. To reduce some of the pressure put on trench walls:

- Pile all excavated materials at least 2 feet back from the edge of the trench. If there is not enough room to allow at least 2 feet, remove excavated materials from the immediate location.
- Do not work around the edge of the trench when others are below.
- Keep equipment away from the trench edge. Not only can it cause cave-ins but there is also a chance that it could fall on those working below.

Slope for Stability

Another way to reduce the pressure put on trench walls is to use a sloping or benching system.

- **Sloped Walls** – A 34-degree slope should be used when digging to prevent a section near the top from giving out and burying the bottom of the trench.
- **Benching** – When there is enough space available, benching allows a trench to be dug in a series of steps that slowly descend to the deepest point.

Reinforce Trench Walls

Once a trench has been dug, the walls should be braced in a way that will protect those working in the area if a cave-in does occur.

- Construct a support system made with posts, beams, shores or planking and hydraulic jacks.
- Never excavate more than 2 feet past the bottom of the support system.
- Make sure there is always a safe exit route within 25 feet of where you are working in the trench.

Trench Boxes

A trench box can be used as a convenient alternative to building a support system directly into a trench. However, for it to provide the proper protection it must be used properly.

- Always place the trench box before entering the trench.
- Enter directly into the box.
- Never move the box while workers are in the trench.
- Never perform work in the trench outside of the box.



Discussion Date: _____

Employee Participants



DOING THE

RIGHT THING.

It doesn't come easy for everyone. But at Fratco, it's what has made us a leader in the drainage industry for almost 100 years. From precise manufacturing processes to high-quality products, top-notch customer service and everything in between, we prioritize making things right. Because to us, there's no other option.



IF IT HAS TO BE RIGHT, IT HAS TO BE FRATCO.

FRATCO.COM

the
gold
standard



GOLDFLEX

Flexible Dual-Wall by Prinsco

At Prinsco, we are proud to set the gold standard for flexible dual-wall, but for us that's just part of what we do. The relationships we have with you, our customers, drive us to work hard everyday. Playing a small role in the meaningful work you do for farmers and agriculture is what fuels us. Serving you is why we do what we do.



prinsco.com/flex
800.992.1725



MARTIN
Equipment



Goodfield, IL	(309) 965-2502
Springfield, IL	(217) 528-4347
Tolono, IL	(217) 485-6755
Rock Island, IL	(309) 787-6108
Peru, IL	(815) 224-4711
Cedar Rapids, IA	(319) 365-0515
Dubuque, IA	(563) 588-1950
Ashland, MO	(573) 657-2154
Palmyra, MO	(573) 769-2274



JOHN DEERE

www.meoi.com

ROLAND
MACHINERY CO.

Komatsu Distributor



**Time for New
Equipment**
Choose Roland



Reliable Equipment

- Manufactured to withstand any environment

Responsive Service

- Roland provides service on the job site or in their state-of-the-art facilities

KOMATSU

Call the Roland Location nearest you today!

Bolingbrook, IL
630-739-7474

East Peoria, IL
309-694-3764

Palmyra, MO
573-769-2056

Cartersville, IL
618-985-3399

Marengo, IL
815-923-4966

Springfield
217-789-7711

www.rolandmachinery.com

**HARD WORK.
RELIABILITY.
PRIDE.**

> **It's what matters.**

You've worked hard to construct a reliable business that takes pride in excellent workmanship. **That matters.**



Find a UFG agent today at ufginsurance.com.

