

Cleveland Surveying News

PRESIDENT

Steve Metcalf, PS
smetcalf@neff-assoc.com

PRESIDENT-ELECT

Dave Bruckner, PS
dbruckner@roadrunner.com

SECRETARY

Mike Kral, SI
secretaryclevelandplso@gmail.com

DELEGATE

George Hofmann, PS
george_hm@ameritech.net

TREASURER

Tim Feller, PS
tim@mcsteen.com

IMMED. PAST PRESIDENT

Mike Straub, PS
mikes@straubsurveying.com

Cleveland Surveying News

Distribution: 410

Newsletter

Publisher: Louise Veverka, PS

Columnists:

John Dailey, PS
Scott Casey, PS
Michael Straub, PS

2018 Advertising Rates

Full page: 9.6"x7.3" \$400 yr
1/2 page: 4.8"x7.3" \$200 yr
1/4 page: 4.8"x3.6" \$100 yr
Veverka.ps7513@yahoo.com

Cleveland Chapter of PLSO
P. O. Box 81713
Cleveland, OH 44181-0713

State Board of PLSO
150 E. Wilson Bridge Rd.
Suite 300
Worthington, Ohio 43085

**July 2018
Issue 18**

**SURVEYORS
AHEAD**



Newsletter Features

NO August Chapter Meeting—

Next Meeting Sept. 18

6 P.M. at Neff & Associates

Reports -

Chapter Delegate Report 4

Miscellaneous -

State info for C of A	2
GNSS Breakdown by R. Hoy	6, 7
NSPS Pres. Letter	11
State Week in review	13, 14
NGS Feedback	8, 9
Legislative Report	19, 20
Used equipment for sale	17
Akron Univ. wins	7
Golf Outing Photos	16, 17, 18
Chapter Calendar	21

2018 Advertisers—Thank You for supporting PLSO

Aerocon Photogrammetry

City Blueprint of Toledo

Roberts Surveying Supplies

Leica Geosystems

GeoShack

Precision Laser & Inst.

Jake's Stakes

Attention!!!
News from the State Board
Certificate of Authorization Holders

Auto-generated delinquent notice emails were issued to all firms that have not submitted a renewal application or to firms that have renewal applications pending approval. If your firm has submitted a renewal application through the eLicense Portal, you may continue to practice until you hear otherwise from the Board. You will receive an email from the Board stating the additional documentation needed if your firm renewal application is incomplete. If your application is incomplete, your firm will be asked to cease and desist until the outstanding documentation is received. All completed applications will receive an approval email with the wall certificate once the application has been reviewed.

The Board has received approximately 1000 renewal applications in the last several business days and is working diligently to process all applications in a timely manner. We appreciate your patience and apologize for any inconvenience as we work out the kinks of our new online system

PLSO Fall Seminar

When: Oct 11 – 12, 2018

**Where: Hilton Garden Inn Toledo Perrysburg,
6165 Levis Commons Blvd, Perrysburg, OH
43551, USA**



**Precision Laser
& Instrument, Inc.**

www.laserinst.com

Construction • Survey • GIS

Sales • Service • Rentals • Training • Support



Nikon X Series Total Stations

Faster, Easier, Feature-Packed Survey Work!



**NEW
for 2018!**



Key Features

1", 2", 3" & 5" Accuracies

800m (2,600ft) Range,
Non-Prism EDM

Time-Saving NEW
Autofocus for Quick,
Precise Focus

Dual, Full Color Display
Touch Screens That
Allow for Survey Basic,
Survey Pro & Layout Pro
Onboard

Superior Nikon Optics
for Crisp, Bright Sightings

Trimble L2P ready for
Tracking of Assets

Hot Swappable Batteries

Lightweight Design

PIN Security

Smooth, Efficient
Workflows from the Field
to the Office

**Give Us a Call
To Learn More or
Schedule a Demo!**

**GNSS
Receivers**



SP60/SP80

**Underground/
Magnetic Locators**



Undgnd./Mag./Leak

**Mech./Robotic
Total Stations**



NPL/DTM/Nivo/Focus

**Data
Collectors**



Ranger 7/Nomad 1050

Locations:

Ambridge, PA: 724.266.1600
Columbus, OH: 614.759.1000
Cincinnati, OH: 513.539.0022
Akron, OH: 330.633.4900
Charleston, WV: 304.776.1831
Bridgeport, WV: 304.933.3036



Delegates Report
July 13, 2018
State Executive Committee Meeting



**George
Hofmann**

President Diebel called the meeting to order at 6:00 P.M.

Secretary Brian Bingham determined that there was a quorum present.

Motion to accept the minutes for the May11, 2018 meeting . Motion Passed

Josh Mehelcic Treasurer gave a report on the treasurer report for May and June. 2018.
Report was in order and President Diebel accepted it for financial review.

5.2 New members; Motion to accept 1 Professional Members , 1 Sustaining member Motion Passed.

State Board: Approved a task force to study License, Board made up of (3PLSO), (3 CEAO),2 Board Members) and (1 Educator)

PAC: No action this month

Standards: Committee Chair Brad Kramer announce that the comment phase was now closed and the committee would be submitting the final draft.

2022 Survey Datum: NGS Feedback see attached document)

Ray Foos stated that the plan is for Ohio to go to a single Zone ,each individual county will have their own distortion, there may be other areas that have radical elevations that will have a separate distortion.

NSPS Governor : NSPS is proposing a \$10.00 dues increase , to be voted on this fall, this has been talked about for some time now. I asked for comments from the Chapter when this first came to our attention and only had a couple negative response. At this time I will be voting that the Cleveland Chapter is in favor of the increase unless otherwise directed. See attachment from NSPS President Kim Leavitt

Trig Star: Pat Leonhardt reported that he will remain chairman of this committee, anyone wishing to sponsor a Trig Star exam is encouraged to start planning immediately. Pat will make himself available to help you set it up
Scholarship: Only two students applied for the state scholarships this year, both are Seniors at the University of Akron and were awarded \$2,000.00.
scholarships.

Education University of Akron receives \$25,000 grand prizes . They were winners of the 2018 NCEES Surveying Education Award. This annual award recognizes surveying programs that best reflect the organizations mission to advance licensure for surveyors in order to safeguard the health, safety, and welfare of the public.

Legislation: We continue to keep an eye on legislation , the bill pertaining to reduction of our rules by 30% has changed somewhat and it does not appear that we will need to reduce, only justify that the rules we have are need. There are other bills that attack licensure as a whole, that it is not needed and should be eliminated yet the state continues to license new organizations.

Annual Conferences

2019-2021 Hilton Easton , Columbus, contracts completed

Fall Seminar

2018-Toledo 2019- Mason 2020-Cleveland Marriott Airport

Finance: George Hofmann reported that he was only able to briefly look at the two months before the meeting and will make a report at the next meeting.

Chapter Delegates gave written and verbal report .

Respectfully submitted
George A. Hofmann ,2018 Cleveland Chapter Delegate

Jake's Stakes

SURVEYING and CONSTRUCTION STAKES

High quality, light colored, HARDWOOD and smooth

MARKER STAKES

18" x 1 5/8" x 1/2"	Bundle of 50
24" x 1 5/8" x 1/2"	\$0.18 ea
30" x 1 5/8" x 1/2"	\$0.22 ea
36" x 1 1/2" x 7/16"	\$0.26 ea
48" x 1 1/2" x 7/16"	\$0.30 ea
48" x 7/8" x 1/2"	\$0.38 ea

SQUARE HUBS

12" x 2" x 2"	Bundle of 25
18" x 2" x 2"	\$0.26 ea
22" x 2" x 2"	\$0.34 ea

WEDGES HUBS

22" HUB MARKER	Bundle of 50
9"	\$0.14 ea/Bundle of 100
12"	\$0.15 ea
	\$0.17 ea

METAL REBAR RODS

Available Any Length Call for \$

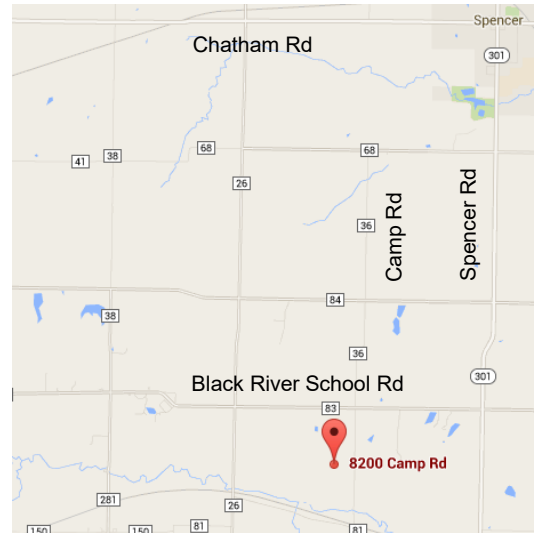
NO ORDER TOO SMALL or TOO FAR
LARGE INVENTO-

ORDERS FILLED RAPIDLY!

FREE DELIVERY ON LARGE

AMISH MADE

8200 Camp Road Homerville, Ohio



IF WE DON'T HAVE IT - WE MAKE IT!

**DELIVERY AVAILABLE : CALL Dwight at Spencer Feed & Supply
330-648-2111**

HIGH GRADE HARDWOOD SURVEY STAKES

DELIVERY AVAILABLE

- TOPCON DEALER SERVICE & RENTAL
- SOKKIA DEALER
- FIELD SUPPLIES
- INSTRUMENT SALES,
- GPS TECHNOLOGIES
- FIELD EQUIPMENT



ROBERTS

Surveying Supplies

WWW.ROBERTSSURVEYING.COM

5758 Ridge Road Parma, Ohio 44129

Phone (440) 842-2218

Fax (440) 842-0802

GNSS Breakdown— Robert Hoy, Arcadis. U.S.

Following up on our seminar last month on GNSS Best Practices, Trimble RTX Post Process www.trimblertx.com can be used with *any* brand or model of dual frequency receiver. You will need the ability to either convert latitude and longitude (in the emailed solution report) to your desired state plane zone, or the ability to import the returned XML file into surveying office computer software. Trimble Business Center (TBC) allows the importing of XML files. You can also get an XML file returned by OPUS by clicking on the *Options* button on the *Upload* screen and chose *standard+XML (draft)* as shown:

Options to customize your solution.

A POB article mentioned in the NSPS news email that we PLSO members get, also mentions Trimble's GNSS baseline processing using multiple satellite constellations <https://www.pobonline.com/articles/101399-combining-gnss-and-other>

[-tools-gets-geopositioning-right](#) Another feature of Trimble RTX Post Process is the ability to zip up multiple static files (data for the point being the same) and have it processed as one position, provided there isn't too long of a time gap between the static data of the files.

A good planning tool I mentioned was www.gnssplanning.com which is Trimble's updated planning tool. You can choose your location, time zone, date, time window, and which satellite constellations you'll be observing. It will allow you to see how much being able to observe extra satellite constellations such as GLONASS and Galileo will lower your PDOP and improve your precision. You can also see when PDOP will be highest on your work day. The lower the PDOP, the better. PDOP is positional dilution of precision. If you are only concerned with horizontal positioning, view the HDOP line of the graph.

Satellite Launches

Galileo is about to launch 4 more satellites on July 25, which will bring their total, once in place and activated for tracking, to 18. They last launched 4 satellites in December 2017. Read more at https://www.esa.int/Our_Activities/Navigation/Next_four_Galileo_satellites_fuelled_for_launch

Russia has launch a new satellite in June. It's a replacement satellite as the GLONASS satellites are note designed to last as long as U.S. GPS satellites. <https://spaceflightnow.com/2018/06/18/navigation-satellite-launched-to-join-russias-glonass-network/>

The design difference can be viewed two ways. That U.S satellites are better designed and longer lasting; however, because of this, the U.S. Department of Defense (responsible for U.S. GPS satellites) are slow to launch new satellites that will carry the newer stronger signals such as L5 and L1C. L5 signals should allow for receiving signals in less open locations, such as inside leafed trees. When I read news about development of new U.S. GPS satellites, it seems the dates for deliveries and launches over the years keep getting pushed back. Latest news has newly developed Block 3 GPS satellites getting delivered in 2026. Meanwhile Galileo (Europe) and Beidou (China) are each launching 8 or more satellites a year.

ODOT VRS (nRTK) vs. RTK (base+rover)

This past month I was working in Hudson and started with ODOT VRS (aka network RTK). My sky visibility was good, with few obstructions to block satellite signals. It was taking me 30 seconds to get my vertical precision under 0.10 feet. So I setup my base receiver and RTK+logging, which broadcasts for RTK but also logs static data for use with Trimble RTX Post Process or NGS OPUS. My vertical precision immediately improved to 0.03 to 0.04 immediately! As mentioned in our last seminar, nRTK (VRS) has higher errors due to the long distances from the actual CORS you are getting your position from. nRTK below left, RTK below right.

Observation class: Network RTK	Horizontal precision: 0.060sft	1/6	Observation class: RTK	Horizontal precision: 0.026sft	1/6
Point			Point		
Vertical precision: 0.096sft			Vertical precision: 0.042sft		
Positions used: 13	Start local date: Tuesday, June 26, 2018		Positions used: 17	Start local date: Tuesday, June 26, 2018	
Start local time: 10:04:51 AM	End local date: Tuesday, June 26, 2018		Start local time: 10:31:38 AM	End local date: Tuesday, June 26, 2018	
End local time: 10:05:44 AM	Base data age: 1s	3/6	End local time: 10:31:54 AM	Base data age: 1s	3/6

These were my last point with nRTK and first point with RTK. The last nRTK point took me almost a minute to get 13 epochs under 0.10 vertical precision, while the RTK gave me 17 epochs in 17 seconds at 0.04 vertical precision. So the vertical precision improved moving to RTK by over 100%. Less time and higher quality data!

Questions? I'll answer them if I can. Send to robert.hoy@arcadis.com

Winners of 2018 NCEES Surveying Education Award announced



University of Akron receives \$25,000 grand prize

NCEES is pleased to announce the recipients of the 2018 [NCEES Surveying Education Award](#). This annual award recognizes surveying programs that best reflect the organization's mission to advance licensure for surveyors in order to safeguard the health, safety, and welfare of the public.

NCEES awarded the University of Akron's Surveying and Mapping program the \$25,000 grand prize. Six additional prizes were awarded to qualifying programs to assist with each program's continued efforts to promote the importance and value of surveying licensure. The award jury considered criteria such as student outcomes and involvement, outreach and recruitment, and the promotion of licensure. The award jury met June 28, 2018, in Clemson, South Carolina, to select the winners.

NCEES Surveying Education Award juror Glen Thurow, P.S, stated, "The University of Akron's three-pronged ap-

NGS Feedback,
 NOAA/NOS/National Geodetic Survey
 1315 East-West Highway, Room 9340 N/NGS1
 Silver Spring, Md. 20910

Re: Federal Register Vol. 83, No. 75

This response to the Federal Register Vol. 83, No. 75 is a compilation from the following stakeholders in Ohio:

The Ohio Department of Transportation
 The Ohio Department of Natural Resources
 Ohio Geographic Reference Information Program
 County Engineers Association of Ohio
 Professional Land Surveyors of Ohio
 The Ohio State University
 The University of Akron

1.) Usage of current SPCS in your organization, how your organization expects to use SPCS2022, and whether it will facilitate migration to the 2022 TRF's.

We will support/promote transitioning to the NATRF 2022 datum. We support/promote transitioning from a two-zone state to a single zone. We also support/promote ODOT's Low Distortion Projections based on county boundaries as a second layer to Ohio's SPCS2022.

2.) Whether the proposed default SPCS2022 definitions will impose hardship or be beneficial to your organization.

Based upon our recommendation to become a single zone state with a layered LDP, instead of a two-zone state, we believe the long-term benefits will outweigh any short-term hardships.

- 3.) Whether there is insufficient or excessive flexibility in the characteristics of SPCS2022 that can be established through user input.

Based on the draft procedures there is insufficient flexibility in the parameters for the minimum zone width.

- 4.) Whether the deadlines are acceptable and realistic for making requests or proposing characteristics for SPCS2022.

Yes.

- 5.) Whether including “special purpose” zones as part of SPCS2022 would be beneficial, problematic, or irrelevant to your organization.

Special purpose zones would be a beneficial option that could benefit our stakeholders in the future. We do not anticipate creating special purpose zones, at this time, but would like to have that option available for future needs.

Respectfully submitted,

Raymond Foos P.S. (ODOT)

Ray.Foos@dot.ohio.gov

Brian Meade P.S. (ODOT)

Brian.Meade@dot.ohio.gov

Bryan Smith P.S. (ODNR)

Bryan.Smith@dnr.state.oh.us

David Blackstone (OGRIP)

David.Blackstone@das.ohio.gov

Dean Ringle P.E., P.S. (CEAO)(OSU)

DRingle@ceao.org

Curtis Deibel P.S. (PLSO)

curt@dsiohio.com

Gary Schuller (U of A)

gas1@uakron.edu

TRADE IN & TRADE UP

NOW THROUGH JUNE 30, 2015

Exchange your out of date robotic motorized instrument (up to 10 years old) and get a complete scanning and surveying package including MS50, data collector, office software, pole, prism, and tripod.

\$55K (\$14,600 savings)



MS50 Features:

- The fastest, most accurate "hybrid" total station available, with robotic surveying/imaging/scanning capabilities.
- With a 1"robot that scans 1000 pts/sec, the MS50 is designed for high precision surveying, yet easy of use to meet your daily needs.
- Enjoy simple workflow and data management without special training. Points, linework, images, and 3d points clouds easily integrate into most major CAD packages.

Terms & Conditions:

- Any Topcon/Trimble/Leica/Spectra Brand Robotic/ Motorized Instrument, less than 10 years old and in working condition, will be accepted under this program. Traded-in goods must be received within 30 days.
- Trade-ins are on a one-for-one basis and may not be combined with volume discounts.
- The Trade-in program is only applicable against the purchase of new equipment.
- Other conditions may apply.

**Contact Alex Cherchian
for more info:**



614.264.6722



alex.cherchian@leicaus.com



leica-geosystems.us

- when it has to be **right**

Leica
Geosystems



National Society of Professional Surveyors

5119 Pegasus Court, Suite Q, Frederick, MD 21704

Phone: 240-439-4615 * Fax: 240-439-4952

www.nspis.us.com

June 11, 2018

Dear NSPS Members,

After carefully scrutinizing all of the factors associated with a proposal to raise NSPS membership dues, and hearing from the NSPS Directors who represent the respective state societies, the NSPS Executive Committee is asking for your support of a dues increase of \$10 per year. This increase is necessary in order for NSPS to remain fiscally solvent in supporting its projected five-year budget. As with any enterprise, the cost of doing business continues to rise and, in the case of NSPS (and the state societies), revenues are declining due significantly to lower membership levels resulting, in part, from increasing numbers of retiring Surveyors.

As always, the emphasis of NSPS leadership and staff is to be responsible for each expenditure, and being transparent in doing so. The amount of effort required to represent 17,000 members is daunting, and is not taken lightly. NSPS leadership and members commend the staff for their efforts to manage this task and still remain fiscally responsible. This request itself is a result of the staff looking to the future and watching out for our needs.

The NSPS leadership team also realizes that each state society needs to have its membership ratify this change, and to make requisite changes to its MOU with NSPS. If a dues increase were to be approved now, NSPS really wouldn't see any actual revenue increases for six months to a year.

The NSPS Executive Committee would also like to thank the NSPS Directors for their input and general support for this necessary dues increase. Most ExCom members have been Directors or Governors and realize the anguish associated with asking membership to vote to raise dues. We believe that all NSPS members recognize the importance of a strong national organization supporting the role, and yes survival, of our profession. As you have all witnessed, there are more issues each year requiring our attention and advocacy efforts. With this increase in the number and impact of issues, the support and proactive engagement of all the Surveyors in the nation is essential in all aspects of our profession.

We would also like to encourage Directors and members to identify, and educate, those who are not yet members and stress to them the importance of joining our ranks. We can certainly use more input and ideas. With your continued support we can make this profession that we all love even better than it already is.

Yours Truly,

Kim H. Leavitt, PLS, NSPS President

CITY-BluePrint OF TOLEDO

Surveying, Construction and Positioning Solutions.

YOUR COMPLETE SOURCE FOR INSTRUMENTS & SUPPLIES

seco
Authorized Dealer



Sales ■ Service ■ Training ■ Rental

MORE INFORMATION?
Contact Your Local Sales Rep:

Ted Muns
NorthWest Ohio
(419) 262-3539 cell
(419) 243-6418 fax

Steve Staples
NorthEast Ohio
(216) 513-3083 cell
(419) 243-6418 fax

City Blueprint of Toledo
3637 Briarfield Blvd
Maumee, OH 43537

TOLL: (800)548-1503

www.CityBlueprintofToledo.com

Week in Review

Friday, July 13, 2018

FY18-19 BUDGET

The state's Rainy Day Fund (RDF) now sits nearly at its statutory maximum of \$2.7 billion after Gov. John Kasich announced Wednesday a deposit of \$657.5 million from the FY18 surplus. That fund, which is characterized as the state's "savings account," is also known as the Budget Stabilization Fund. It now totals \$2,691,554,191.27. In addition, \$162.4 million from the FY18 surplus funds an ending balance that equals one-half of one percent of the FY18 revenues as provided for in Ohio Revised Code Sec. 131.44 while \$30 million was transferred to the Medicaid Local Sales Tax Transition Fund to be distributed to counties and transit authorities to help mitigate the loss of the managed care organizations (MCO) sales tax that is no longer being collected under provisions in the FY18-19 budget bill, HB49. Those groups received a total of \$207 million last year at the end of FY17.

Following Wednesday's RDF announcement, Policy Matters Ohio (PMO) released a statement saying that "... instead of banking this money, the state should have used it to make lives better ... for millions of Ohioans by strengthening public libraries, expanding bus service, extending broadband, sending more toddlers to preschool, making public college more affordable, restoring support to local governments and meeting the many needs of people and communities across the state."

EMPLOYMENT/UNEMPLOYMENT

Nonfarm payroll employment increased by 213,000 in June, according to new figures released by the U.S. Bureau of Labor Statistics (BLS) on Friday, and the national unemployment rate went up to 4 percent in part because of more people rejoining the workforce. BLS said the number of unemployed persons increased by 499,000 in June to 6.6 million. In June 2017, the number of unemployed persons was 7 million, and the unemployment rate was 4.3 percent.

GOVERNOR

Gov. John Kasich continued to say Wednesday that he does not know what he will do after he leaves office in a few months, but that he will be looking for the best way to keep his voice out there, speaking about things he thinks are wrong for the country. Kasich spoke at a forum of the Columbus Metropolitan Club (CMC) with Bret Stephens, a columnist for the *New York Times* who opened the program with comments about what it means to be conservative in the current political environment and the age of Trumpism.

Gov. John Kasich spoke at length in defense of the North Atlantic Treaty Organization (NATO) Thursday at the National Press Club (NPC) in Washington, D.C., saying that a "wrecking ball strategy" does not make sense and that relationships with world leaders are "fraying." Kasich also held subsequent interviews with MSNBC's Andrea Mitchell and CNN's Wolf Blitzer and was scheduled for a Thursday evening appearance on PBS NewsHour.

GREAT LAKES

Gov. John Kasich on Wednesday signed an executive order tightening regulations on agricultural enterprises operating in newly-designated "watersheds in distress," drawing the praise of environmentalists and the ire of farmers. Kasich -- joined at the Statehouse by Ohio Environmental

Protection Agency (Ohio EPA) Director Craig Butler, Ohio Department of Agriculture (ODAg) Director David Daniels, Ohio Department of Natural Resources (ODNR) Director Jim Zehringer, Lake Erie Foundation President James Stouffer and Ohio Environmental Council (OEC) Executive Director Heather Taylor-Miesle -- said these additional actions are necessary to reduce fertilizer runoff in the Western Basin of Lake Erie, which is a major contributor to harmful algal blooms.

Representatives from the National Oceanic and Atmospheric Administration (NOAA) predicted this year's algal bloom in Lake Erie will be significant, but less severe than last year's. Using a 10-point scale developed after the 2011 algal bloom, NOAA predicted the 2018 algal bloom will rank a "six," while last year's algal bloom ranked an "eight."

TRANSPORTATION/INFRASTRUCTURE

Central Ohio is one step closer to becoming home to the world's largest, most comprehensive contained testing site for automated and connected vehicles. Gov. John Kasich -- joined by representatives of the administration, JobsOhio, Ohio State University (OSU) and the General Assembly -- met in a tent at the secretive Transportation Research Center (TRC) in East Liberty on Monday to break ground on the 540-acre "SMARTCenter." Funding for the facility was announced in January 2017.

WORKERS' COMPENSATION

The state's highest court is giving the Ohio Bureau of Workers' Compensation (BWC) another chance to explain why it should not have to repay the city of Cleveland and dozens of other state and local public employers hundreds of millions of dollars for alleged premium overcharges equivalent to an even larger refund to private employers received in the *San Allen v. Buehrer* (2014) settlement. Led by Chief Justice Maureen O'Connor, the Ohio Supreme Court on Thursday accepted the bureau's appeal in *Cleveland v. BWC* even as the related class action lawsuit *Parma v. BWC* awaits certification in Cuyahoga County Common Pleas Court.

The Ohio Supreme Court Tuesday ruled that an ongoing class action lawsuit against the Ohio Bureau of Workers' Compensation (BWC) was filed in the wrong court and must instead be heard in the Ohio Court of Claims. In the case of *Cirino v. BWC*, the court ruled 6-1 that appellee Michael Cirino seeks legal relief instead of equitable relief, meaning the Cuyahoga County Common Pleas Court did not have the proper jurisdiction to hear the case.

actionTRACK - Hannah News Service, Inc.

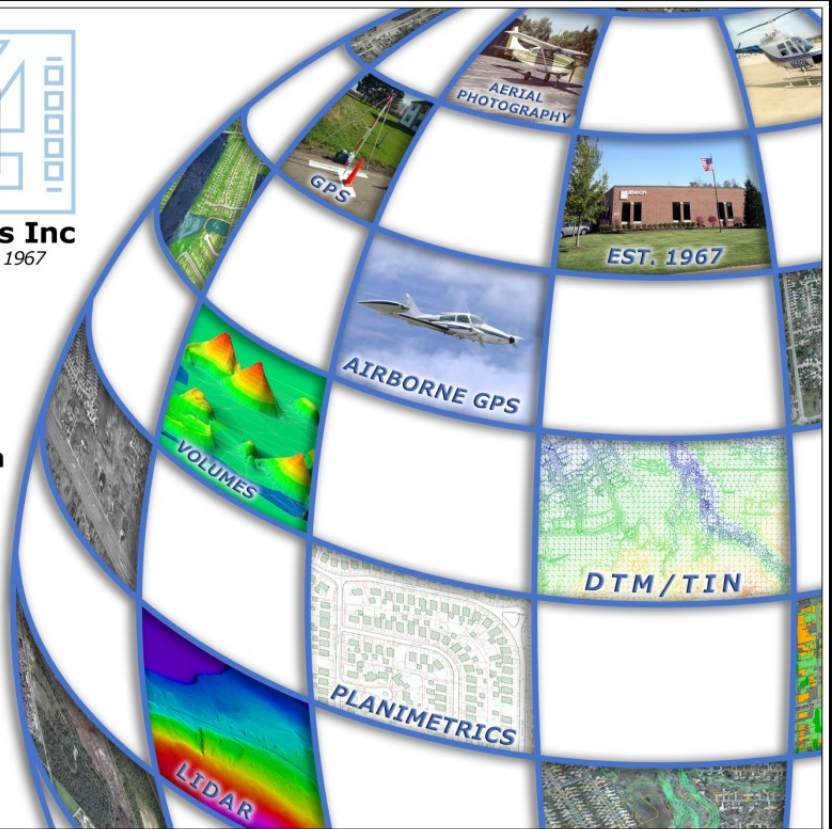
AEROCON

Aerocon Photogrammetric Services Inc

Dedicated to providing quality photogrammetric services since 1967

- **Aerial Photography**
- **Digital Orthophotography**
- **Digital Topographic Mapping**
- **Analytical Triangulation**
- **DTM/DEM Surface Generation**
- **LiDAR**
- **Airborne GPS**
- **GIS Services**
- **Volumetric Inventories**

4515 Glenbrook Road
Willoughby, OH 44094-8215
440.946.6277
440.946.2646 Fax
e-mail: skymap@aerocon.com
www.aerocon.com



Solutions Made Simple

Robots • GPS • BIM • UAV • Mobile Mapping • Scanning

SALES • SERVICE • SUPPORT • TRAINING



GeoShack is a team of sales and service professionals operating from our 25 retail locations in 9 states and 2 provinces dedicated to serving our customers and providing the best possible solutions.

As the North American industry leader, our team of product specialists will assist you with the latest technology driven productivity tools. **GeoShack** provides expert advice and training on the equipment and software that will make you more productive leading to greater profits for you.

Cleveland

883 Hampshire Rd., Ste. J
Stow, OH 44224
(330) 923-4477

Columbus

5120A Nike Drive
Hilliard, OH 43026
(614) 529-2583

972-918-5300
www.geoshack.com

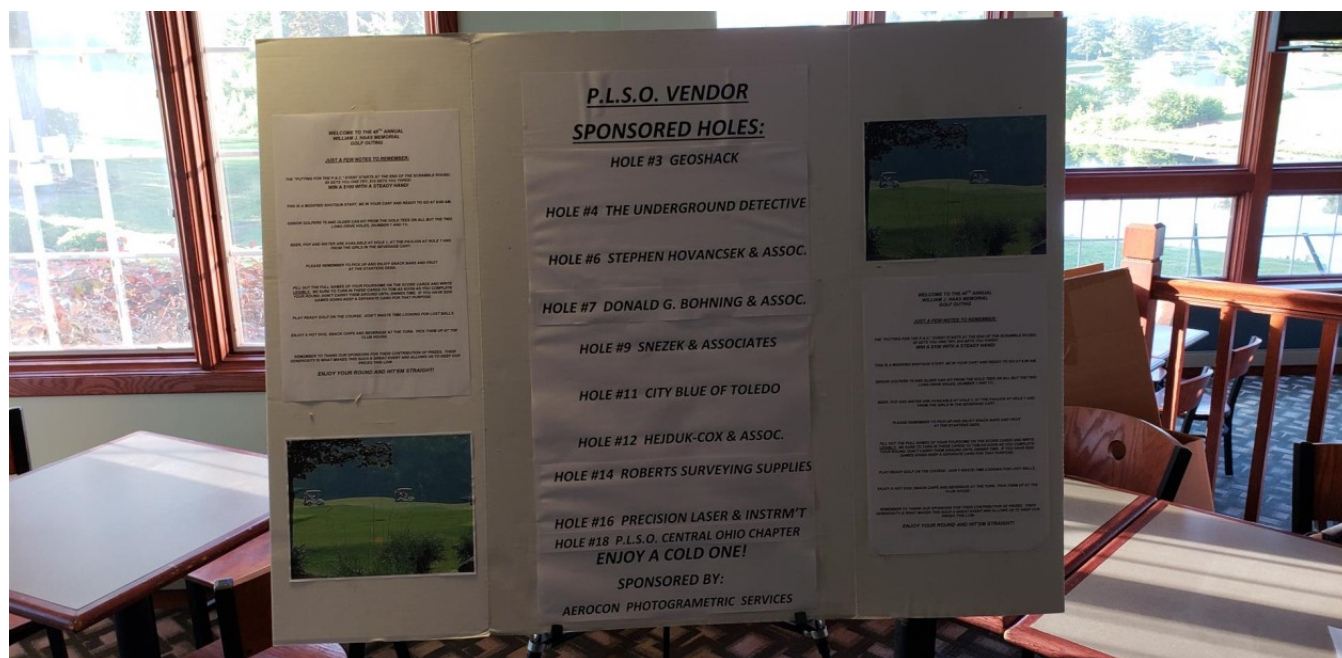


Copyright © 2016 GeoShack, Inc. All Rights Reserved.

lm.gs.vsy/05.19.v1



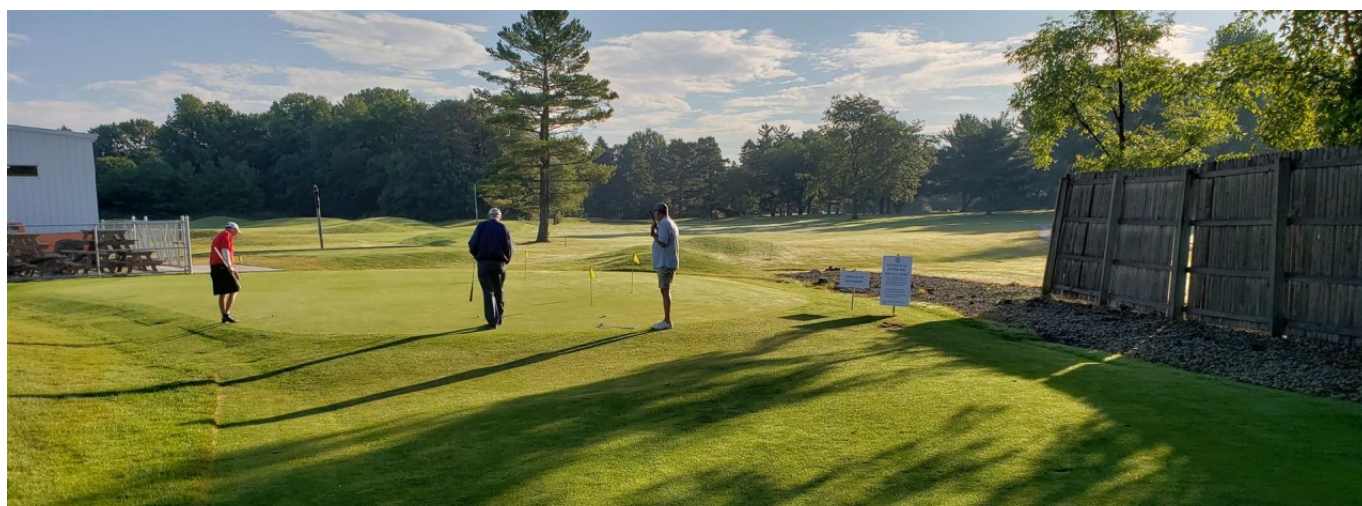
2018 Bill Haas Memorial Golf Outing



Thank You to all our sponsors



Tom Com. Chair and his volunteers





A fun time was had by all.

**Congratulations to the Third Time
Champions, Bill Walsh and his team.**

See you all next year.



Legislative Report for PLSO

Prepared by: Melinda Gilpin
E-mail: director@ohiosurveyor.org
Report created on July 13, 2018

- HB213 REAL ESTATE APPRAISER LICENSING CHANGES (DEVER J)** To change the definition of "appraisal" for purposes of the Real Estate Appraiser Licensing Law, to make changes to certain procedures and the exceptions to licensure under that law, to regulate appraisal management companies, and to declare an emergency.
- Current Status:** 6/14/2018 - **SIGNED BY GOVERNOR**; Effective 6/14/18
- Recent Status:** 6/13/2018 - Sent to Governor for Signature
5/16/2018 - **PASSED BY SENATE**; Vote 31-1, Emergency Clause Passed 31-1
- HB289 OCCUPATIONAL LICENSING REVIEW (HOOD R, MCCOLLEY R)** To establish a statewide policy on occupational regulation, to require standing committees of the General Assembly to periodically review occupational licensing boards regarding their sunset, to require the Common Sense Initiative Office to review certain actions taken by occupational licensing boards, and to require the Legislative Service Commission to perform assessments of occupational licensing bills and state regulation of occupations.
- Current Status:** 1/30/2018 - House Government Accountability and Oversight, (Second Hearing)
- Recent Status:** 10/17/2017 - House Government Accountability and Oversight, (First Hearing)
9/12/2017 - Referred to Committee House Government Accountability and Oversight
- HB504 INTERIOR DESIGNERS (PELANDA D)** Regarding interior designers.
- Current Status:** 5/22/2018 - **SUBSTITUTE BILL ACCEPTED & REPORTED OUT**, House Economic Development, Commerce and Labor, (Third Hearing)
- Recent Status:** 3/20/2018 - House Economic Development, Commerce and Labor, (Second Hearing)
2/27/2018 - House Economic Development, Commerce and Labor, (First Hearing)
- HB557 ART THERAPY LICENSURE (ANIELSKI M)** To require the licensure of art therapists and to require the Counselor, Social Worker, and Marriage and Family Therapist Board to regulate the licensure and practice of art therapists.
- Current Status:** 6/6/2018 - **REPORTED OUT AS AMENDED**, House Health , (Fifth Hearing)
- Recent Status:** 5/23/2018 - House Health , (Fourth Hearing)
5/16/2018 - **SUBSTITUTE BILL ACCEPTED**, House Health , (Second Hearing)
- HB620 REGULATION REDUCTION (ROEGNER K, RIEDEL C)** To require agencies to reduce the number of regulatory restrictions.
- Current Status:** 5/15/2018 - Referred to Committee House Government Accountability and Oversight
- Recent Status:** 4/26/2018 - Introduced

SB115 **ROOFING CONTRACTOR REGISTRATION** (BACON K, HACKETT R) To require the registration of roofing contractors.

Current Status: 6/21/2017 - Senate Government Oversight and Reform, (First Hearing)

Recent Status: 4/26/2017 - Referred to Committee Senate Government Oversight and Reform
3/22/2017 - Introduced

SB221 **RULE-MAKING AND REVIEW REFORM** (UECKER J) To reform agency rule-making and legislative review thereof.

Current Status: 6/27/2018 - **PASSED BY HOUSE**; Vote 73-20

Recent Status: 6/27/2018 - Consideration of House Amendments; Senate does concur, Vote 23-6
6/27/2018 - Bills for Third Consideration

SB255 **OCCUPATIONAL LICENSING BOARDS REVIEW** (MCCOLLEY R) To require standing committees of the General Assembly to periodically review occupational licensing boards regarding their sunset, and to require the Legislative Service Commission to perform assessments of occupational licensing bills and state regulation of occupations.

Current Status: 6/27/2018 - **PASSED BY SENATE**; Vote 24-8

Recent Status: 6/27/2018 - Bills for Third Consideration
6/27/2018 - **SUBSTITUTE BILL ACCEPTED & REPORTED OUT**, Senate Government Oversight and Reform, (Fourth Hearing)

SB293 **REDUCTION OF AGENCY REGULATIONS** (PETERSON B, MCCOLLEY R) To require agencies to reduce the number of regulatory restrictions.

Current Status: 6/27/2018 - **PASSED BY SENATE**; Vote 23-9

Recent Status: 6/27/2018 - Bills for Third Consideration
6/27/2018 - **SUBSTITUTE BILL ACCEPTED & REPORTED OUT**, Senate Transportation, Commerce and Workforce, (Fourth Hearing)

USED EQUIPMENT FOR SALE

If you are interested in any of the following items please contact Julie League at 440-879-1084

Laserplane 600 /80 - \$400

Topcon Dt 30 - \$800

Apache bullseye 3 Model 14 - \$500

Spectra precision Laser LL500 - \$700

Nikon DT< A10 Total Station \$600

Cleveland Chapter & State 2018 Schedule

Dates, times and locations subject to change, emails will be sent out with notification of any changes

Friday, January 13 - State PLSO Executive Meeting

Thursday - January 25, 2018 – Cleveland Chapter Annual General Meeting and installation of officers

February 21-24, 2018 PLSO State conference in Sharonville, Ohio

Friday, March 9 – State PLSO Executive Meeting

Tuesday, March 13 – 6 p.m. Cleveland Chapter Executive Meeting (newsletter #1 deadline 3/20)

Friday, April 14 – State PLSO Executive Meeting

April 14, Prior to the state board meeting STATE CPD Workshop

Tuesday, April 17 – 6 p.m. Cleveland Chapter Executive Meeting (newsletter #2 deadline 4/24)

April (TBA) – Cleveland Chapter General Meeting & CPD

Friday, May 11 – State PLSO Executive Meeting

Tuesday, May 15 – 6 p.m. Cleveland Chapter Executive Meeting (newsletter #3 deadline 5/22)

May STATE CPD Workshop (date and location TBA)

Friday, July 13 – State PLSO Executive Meeting

July 13, 45th Annual William Haas Memorial Golf Outing at Springvale Golf Course

July (TBA) - Clev. Chapter Education Recognition Meeting (newsletter #4 deadline 7/27)

Friday, September 14 – State PLSO Executive Meeting

Tuesday, Sept. 18 – 6 p.m. Cleveland Chapter Executive Meeting (newsletter #5 deadline 9/21)

October 11 & 12 - PLSO State Fall Seminar Perrysburg, Ohio

Tuesday, Oct. 16 – 6 p.m. Cleveland Chapter Executive Meeting (newsletter #6 deadline 10/23)

Friday, November 9 – State PLSO Executive Meeting

Tuesday, Nov. 13 – 6 p.m. Cleveland Chapter Executive Meeting (newsletter #7 deadline 11/20)

Tuesday, Dec. 12 (if needed) – 6 p.m. Cleveland Chapter Executive Meeting (newsletter #8 deadline 12/15/17)

3rd Thursday in January 2019 – Cleveland Chapter General Meeting & Installation of officers

2018 State PLSO Officers

President—Curt Deibel, PS, Tuscarawas Valley Chapter
Chap. President –Elect—Tom Silva PS Toledo Chapter

Imm. Past Pres.—Charles R. Harkness, PS, Muskingum Chapter

Secretary—Brian Bingham, PS, Central Ohio
Treasurer—Josh Mehilcic, PS, Miami Valley Chap.

NSPS Director—Robert L. Akins, PS, Tuscarawas Valley Chapter