

Indiana Association of Professional Soil Classifiers



2015 Membership Dues Statement

Amount: \$20.00

Please remit payment *c/o*
Dena Anderson IAPSC Sec./Treas at:
1451 E. Millstone Road
Westport, IN 47283
Or at Annual Meeting in February

Please correct any contact information as needed.

Name: _____

Address: _____

Phone: _____

Email: _____



THE

Pedestal



2015 Winter Meeting

Indiana Association of Professional Soil Classifiers (IAPSC)

Indiana Association of Professional Soil Classifiers

Winter Meeting

Location: Hendricks County

4H Fairgrounds

1900 East Main Street
Danville, Indiana 46122

UTM Zone 16, 0543808E, 4401445N, NAD 83

When: February 5th, 2015

Agenda (Eastern Daylight Savings Time)

- 9:00 -10:00 **Registration:** Dena Anderson
IAPSC Secretary/Treasurer
(Donuts and coffee will be served)
- 10:00-10:15 **Welcome and Introductions:**
John Allen, IAPSC President
- 10:15-11:00 **Henry Loope:** Indiana Geological
Soil Survey: Glacial Stratigraphy and
Chronology of Laurentide Ice Sheet
Advance into Central and Southern
Indiana,
- 11:00 -11:15 **Break**
- 11:15-11:30 **Gary Struben** State Soil Scientist:
NRCS Report
- 11:30-11:45 **David Ortel:** ISDH – State Board of
Health Report.

11:45 - 12:45 **Hot Lunch** (served by A'Loven Spoonful)

12:45 - 1:30 **Business Meeting**

1:30 – 2:00 **Dr. Gary Steinhardt:** Purdue
University: IRSS Exam Topics

2:00 – 2:15 **Break**

2:15 - 3:00 **Tom Swinford:** Indiana DNR,
Division of Nature Preserves,
Wetland Mitigation on Conservation
Lands

3:00 – 3:15 **Announce Election Results, and
Meeting Wrap Up**

3:15 **Adjourn**

New business:

- 1) Voting for President Elect and Vice President.
The candidates are:
President Elect – Tim Porter, and Dave Ortel
Vice President - Becky Langford, and John
McQuestion

The Indiana Association of Professional Soil Classifiers (IAPSC) is a not-for-profit organization of soil scientists who are interested in the field study and evaluation of soils.

John Allen, President
Dr. Darrell Schulze, Past President
Joanne Mosher, President Elect
Dave Ortel, Vice President
Dena Anderson, Secretary-Treasurer
Norm Stephens, Pedestal Editor

<http://www.isco.purdue.edu/irss/iapsc.html>

Soil Classifiers:

Periodically (once every couple of weeks) I send, via email, notices on happenings within the National Cooperative Soil Survey. The subjects vary, but include job vacancies, workshops, soils videos, NCSS Newsletters, Soil Taxonomy updates, updates on Web Soil Survey, etc. If you are not currently on my email list (which is currently at about 120 folks) and would like to be added please send your current email to me at gary.struben@in.usda.gov Feel free to share this with others if you know of folks you think might be interested, but may not be IAPSC members. Maybe we can recruit some new members!

Of course, if you want to be taken off the list, just email me that too! (Except for the NRCS staff who will get them whether they want them or not!)

Gary R. Struben
Indiana State Soil Scientist
USDA Natural Resources Conservation Service
6013 Lakeside Blvd.
Indianapolis, IN 46278
317-295-5885 (Office)
317-354-5235 (Cell)
gary.struben@in.usda.gov



Forget your color book? Take a sample home with you. Right Steve?

Indiana Registry of Soil Scientists

(As written on the IRSS web site.)

The Indiana Registry of Soil Scientists is a program that establishes ethical standards and education, examination, and work experience criteria for Indiana Registered Soil Scientists.

<http://www.isco.purdue.edu/irss/>

Pedestal

We need your stories and photographs for the Pedestal. Please email them to:

norm.stephens@in.usda.gov

Or mail them to:

Norm Stephens
NRCS-USDA
6013 Lakeside Blvd.
Indianapolis, Indiana, 46278

See the Pedestal in color:

Electronic copies of Pedestal can be found at:

<http://www.indianasoils.com/pedestal.htm>

Membership Email Addresses

If you did not get an email notification of the electronic Pedestal it means we no longer have a valid email address for you. Please submit your current email address to Norm Stephens:

norm.stephens@in.usda.gov

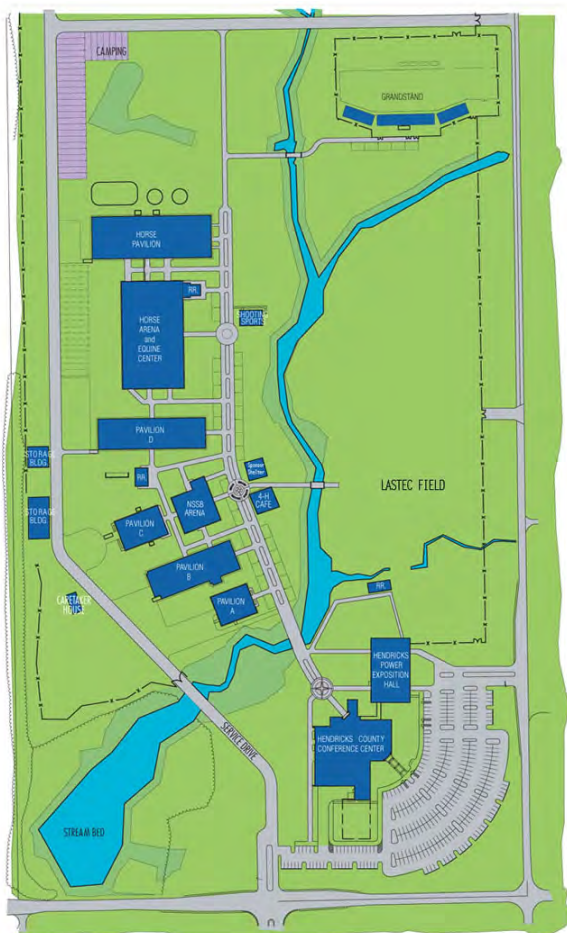
Email is the most cost effective way the IAPSC can keep you informed of any last minute changes in meeting plans, or time sensitive notifications of importance to the group.



Hendricks Co 4-H Fairgrounds & Conference Complex

1900 East Main Street, Danville, IN

The Winter Meeting will be held at the Hendricks County 4-H Fairgrounds located southwest of Indianapolis. The fairgrounds is a 12 mile drive from I465 on the west side of Indianapolis along SR 36. The Hendricks County 4-H Fairgrounds and Conference Complex is located at the intersection of County Road 200 E and East Main Street (Old US-36 in Danville)



Hendricks County 4H Fairgrounds Map



The Hendricks County 4-H Fairgrounds and Conference Complex is located at the intersection of County Road 200 E and East Main Street (Old US-36 in Danville).

<http://www.4hcomplex.org/>

SAVE THE DATE

Indiana will host the 35th Annual Central States Forest Soils Workshop on October 13 to 15, 2015.

The Indiana Association of Professional Soil Classifiers has long been a sponsor of this event.

Some potential sites and topics being discussed for the 2015 workshop include:

Morgan-Monroe State Forest: Hardwood Ecosystem Experiment and [Morgan-Monroe State Forest – Ameriflux](#)

Carbon Sequestration and Atmosphere-Biosphere Interaction of a mixed Hardwood Forest in the Midwest

The effect of Climate Change on Forestlands

Ecological Sites

Veneer Mill in Mooresville, IN

Walnut Tree Farm

The Human Dimension of Forestry: Why do private landowners manage their woodland and why they don't?

Morgan County has a large variety of different soil types, so we are certain we can show some diverse and interesting soils. There is also a large road cut in the areas we can visit.

If you have topics of interest for the workshop please give those to Gary Struben.

The workshop will probably be headquartered out of Bloomington, but plans are still being formulated. Save those dates on your calendar and look for more details to come in the future!

2014 Forest Soils Workshop



Central States Forest Soils Conference in Athens, Ohio

Coke Ovens



(Central States Forest Soils Conference in Athens, Ohio cont.)

The most interesting portion of the Vinton site is the presence of Belgium Coke Ovens. Originally built to produce coke from coal, they did not work and were partially responsible for the demise of the operation. The ovens were originally built in Belgium (hence the name), and used in Connellsville, PA. All other constructions are believed to have been destroyed - to the best of our knowledge, the structures remaining at the Vinton site are the only remaining ones left in the world. At the Vinton site, they did not work, due to the high sulfur content in the local hill coal. The higher sulfur content in the coke produced a brittle grade of iron. While several of the ovens were demolished years ago, seventeen of the ovens remain standing. Six were probably destroyed on the south end when the coal hoppers were pulled down for salvage. The first oven on the north end was destroyed, but the reason is unclear. In all, the original structure included twenty-four ovens.

The ovens are 2 feet 6 inches wide and 24 feet 3 inches deep. The distance from the spring to arch is 5 feet 10 inches, with an additional 4 inch arch rise. The walls are 1 foot thick. The bricks were manufactured in Belgium and are 13 inches long x 4-1/2 inches wide x 4 inches thick.

All of the bricks used in the construction of the ovens are numbered to permit assembly after shipment.

An excavation in the fall of 2001 by Richard Leive, Norman Murphy, and myself identified why the ovens failed to be a success. Looking closely at the left hand flume passage, it can be seen that there were openings to permit the wall to be heated. However in reviewing the right hand passage, there are no openings - the wall had to of been heated by the next furnace to the right. Because of the flume design, it was impossible to have any portion of the ovens shut down - it was an all or nothing proposition. Reference [this picture](#) of the flume layout.

Additionally, the designers did not make the exit portion of the ovens larger than the entrance - probably causing the exit ram to jam up when the coke was being removed.

On the exit side of the ovens, there are clear holes where iron work once hung. The doors were probably linked together to open and close simultaneously.

Digging down in the ground at the exit side of the ovens, we found evidence of rails. We believe that the rails supported a rail car (or cars) that collected the charcoal as it was pushed out of the ovens. There are rail tracks below the surface on both the discharge and the pusher sides of the ovens. We believe there was another monorail above the ovens and the rails were used for an apparatus to run back and forth to remove the doors during pushing. The doors could be removed individually. The first items to be removed before pushing were the charging hole covers. Richard Leive and Norm Murphy watched that operation at the New Boston plant. When the covers are removed, fire shoots up around 30 feet in the air. That relieves the pressure within the oven. The doors are then removed by the apparatus running on the rail track. There were probably iron stanchions driven in the ground next to the ovens that supported the ironwork for the doors. We believe they were tied together across the top by long iron rods to prevent the ovens from cracking during expansion and contraction from heating. It is probably true that the entire battery needed to be in operation in order to keep both walls and the floor hot. It was reported in an old news article that an oven could be pushed, recharged, and resealed in three minutes, thus maintaining sufficient heat to restart the coking process on the new charge.

http://www.oldindustry.org/OH_HTML/OH_Vinton.html

2014 IAPSC Fall Tour

At the Dean Craig WRP site.



Curtis Turner demonstrates the importance of leading a well-balanced life.



More Fall Tour Photos can be found at:

<https://www.flickr.com/photos/indycaver/sets/72157650157947792/>

College of Agriculture



November 25, 2014

Bill Hostetler

Indiana Association of Professional Soil Classifiers 2094 E CR 450 N
Frankfort IN 46041 Dear Mr. Hostetler,

I want to thank you for agreeing to sponsor the state 4-H and FFA soil career development event. Indiana Association of Professional Soil Classifiers played a key role in helping deliver a quality educational event to 362 youth and their coaches. This could not have happened without you and your association and please know how much I appreciate your willingness to continue providing sponsorship and look forward to working with you in this capacity in future years. The chrome plated spade provided by your association was awarded to Mike Jones, coach of Adams Central FFA.

A handwritten signature in black ink that reads "Tony Carrell".

Thank you for your support of youth development! Sincerely,

Tony Carrell Extension Specialist
4-H Youth Development

Travis Neely MLRA 111 Leader and former Indiana State Soil Scientist Retires



Q: Travis, many of us know you've been with the agency for a long time, nearly 44 years to be exact. What does your career path look like?

A: I began working as a Soil Conservation Aid right out of high school in 1968. After college SCS Indiana recruited me as a Student Trainee Soil Scientist in Greencastle in 1972. In 1973 I became the Soil Scientist in Greencastle, then moved within the position to Vincennes and Brazil. In 1978 I moved up to Soil Survey Project Leader in Winchester and later in Tipton. Then in 1982 I was selected as Area Soil Scientist for Area IV in Muncie, with co-lateral duties. My first move out of Indiana was in 1990 when I was selected as Asst. State Soil Scientist at Harrisburg, PA. I then served during 1995 as the Acting State Soil Scientist for Pennsylvania before moving back to Indiana as the State Soil Scientist/MO Leader for MLRA Region 11, my present position.

Q: You serve the agency as State Soil Scientist and Major Land Resource Area (MLRA) Soil Survey Office Leader for a portion of seven states (Illinois, Indiana, Iowa, Michigan, Missouri, Ohio and Wisconsin). Would you briefly describe your duties as MLRA region leader?

A: In addition to supervising the MLRA Region staff, I lead in the production and quality assurance of soil survey information; lead in classification, correlation, interpretations, and joining of spatial and attribute data within and between MLRA soil survey areas; provide quality assurance of maps, manuscripts, official series descriptions, and databases in the region; and coordinate with federal lands agencies to assure that both NCSS standards and partner needs are met.

Q: How did the MLRA reorganization, which you were involved with, affect Indiana?

A: With the reorganization, the number of our soil survey offices went from 3 to 2, and the staff size reduced from 13 to 10. It also changed the management of soil survey activities on an MLRA basis, versus the old way on a statewide basis. The reorganization improved communication between the MLRA soil survey offices and the MO Region Office, the quality of soil survey activities and products across the region, and office space and equipment needs. It also allowed staff to be in the same office location to work as a team, under daily direction and supervision.

Q: Rumor is you have a large family with lots of grandchildren. Care to share?

A: My beautiful wife, Patricia, of 30 years and I have five wonderful daughters (one set of twins), two sons, and 21 grandchildren (12 boys and 9 girls). Patricia works in the home health care field in Indianapolis. Our oldest daughter lives in Detroit with her husband and three children; her oldest started his freshman year of college in northern Michigan. The remaining four daughters reside in Indianapolis with their families; all five daughters are training in the nursing field. Our sons and their families live in Terre Haute; where one son is in medical supplies and equipment delivery, and the other is a self-employed stay at home father.

Q: What hobbies and special interests keep you busy during your non-duty hours?

A: I am a great fisherman as long as I fish from the river and lake banks, and enjoy telling tales about the one that got away! I also enjoy bowling, church activities, gardening and landscaping, visiting family, and watching the grandchildren grow into young men and women. I'm a want to be golfer (though my score seems to be more like an NBA basketball core), and I love to travel the U.S. and visit historical sites. So far I've visited 42 of the 50 states. I'm a life member of the National Organization of Professional Black NRCS Employees, and a member of the national and Hoosier Chapter of WCS.

I'm sure we are all wishing Travis the best in his retirement, but if you'd like to send him a personal note or card he can be reached at:

Travis Neely
4339 Par Drive
Indianapolis, IN 46268

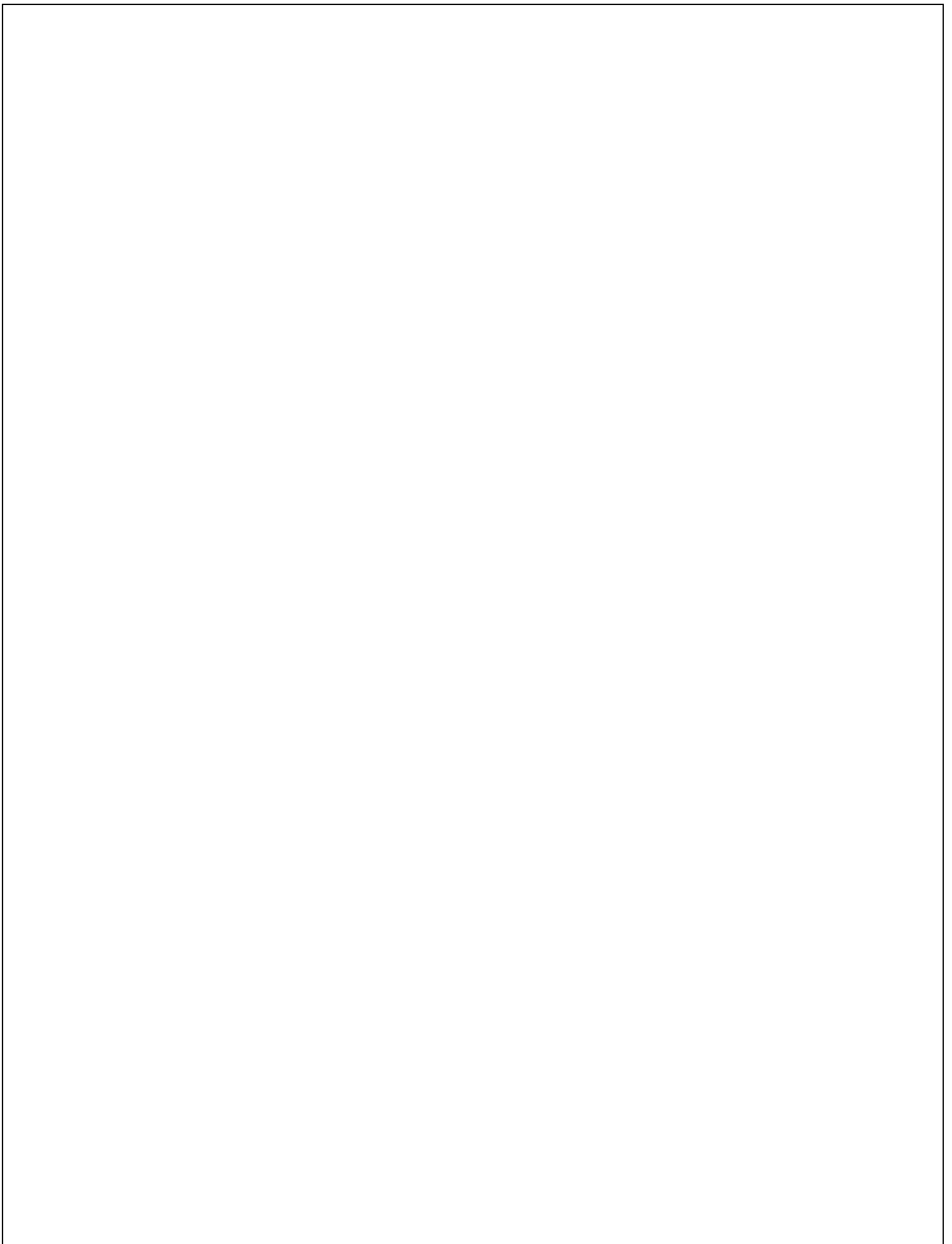


Morgan County road cut.

A few of you may have noticed our Secretary-Treasurer had a name change since the last edition of the Pedestal.



October 25th



2015 WINTER MEETING REGISTRATION FORM

For Thursday February – 5th

Registration fee includes **hot lunch**.
Help us keep costs low by registering early.

Send in your check today!

Registration Fee \$20.00 before January 29th.

LATE FEE after 01/29/2015 - \$25.00

If at all possible register before January 29th

Make checks to I.A.P.S.C. Inc.
Clip and mail to Dena Anderson:
1451 E. Millstone Rd.
Westport, IN 47283
Questions, Call Dena at 812-525-6433, or 812-591-3770

Name(s): _____

Members please update the following, if needed:

Name: _____
Address: _____
Phone No: _____
E-mail address: _____