



ILLINOIS SOIL CLASSIFIERS ASSOCIATION

1999 SPRING NEWSLETTER

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President Elect - Bill Kreznor	(815) 338-2362
Past President - Jerry Berning	(618) 456-9336
Vice President - Karla Hanson	(630) 505-7808
Secretary - Bob Tegeler	(217) 846-2783
Treasurer - Chuck Frazee	(217) 628-3518
Certification Board Chair - Mary Kluz	(815) 456-3333
Certification Board Secretary - Steve Suhl	(217) 498-8511
Newsletter Editor - Pat Kelsey	(630) 719-2417

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ISCA 24th ANNUAL MEETING March 6, 1999

The 24th Annual Meeting of the Illinois Soil Classifiers Association will be held on March 6, 1999 at the Holiday Inn in Normal, Illinois. The Holiday Inn is on Route 51 on the north side of Normal at the southwest corner of the junction of I-55 and U.S. Rt. 51. Guest speakers will be Mark Stelford and Darian Landolt of Case IH Corporation. They will be presenting information on precision farming and the use of technology as consultants in the field of soil science and agricultural research.

The cost for the luncheon is \$11.00/person. The Executive Council is meeting prior to the Annual Meeting at 10:30. The Certification Board will be meeting at 11:30. Social Time will begin at noon. The meeting will come to order at 12:30 with the buffet as the first order of business. Please RSVP with the enclosed form and send your check to Chuck Frazee by March 1, 1999. Please, no walk-ins.

The lunch buffet includes the following; crisp garden fresh tossed salad, potato salad, cole slaw, BBQ pork, fried chicken, American fried potatoes, bakery rolls, apple pie, and coffee or tea

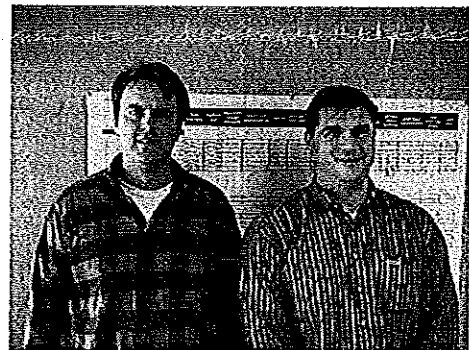
TOOLS FOR SITE ASSESSMENT IN PRECISION AGRICULTURE

Darian Landolt and Mark Stelford
Case IH--AFS Services

Darian Landolt is working as Site Assessment Researcher for Case IH AFS Services in Maple Park, IL. He received his

B.S. in Biological Science and M.S. in Geography from Northern Illinois University. His studies included plant taxonomy, soil science, photo interpretation, digital image processing, geographic information systems, and geographical statistics.

Mark Stelford is working concurrently as Farm Process Researcher for Case IH AFS Services in Maple Park, IL. and is a PhD candidate at Northern Illinois University in the Environmental Geosciences Program in the Departments of Geology and Geography. Mark's dissertation is focused on the delineation of areas in two farm fields having similar available water and landscape-scale surface and sub-surface hydrology. Mark received both his B.S. and M.S. in Geography from Northern Illinois University where his studies included soil science, hydrology, spatial statistics, remote sensing/photogrammetry, geographic information systems, and computer programming.



PROPOSED AMENDMENT TO THE STANDARDS FOR CERTIFICATION OF PROFESSIONAL SOIL CLASSIFIERS

Section 3.

Appointment and Composition of the Certification Board

Eligible nominees ~~(shall)~~ must be citizens of the United States, ~~(and residents of Illinois)~~ and must perform the practice of professional soil classifying primarily in Illinois. ~~(They shall)~~ Nominees must have (at least) a minimum of four (4) years of experience in a responsible soil classifying position, and must be ISCA Certified Professional Soil Classifiers. Any member of the Board who ceases to ~~(be a legal resident of)~~ perform the practice of professional soil classifying primarily in Illinois shall be deemed to have resigned from membership on the Board as of the last date of ~~(Illinois residency-)~~ their professional practice in Illinois.

ISCA 23rd ANNUAL MEETING MINUTES

March 28, 1998

Alexander's Steak House, Champaign, IL

Robert Tegeler, Secretary

Opening remarks by Gerald Berning, ISCA President

- Dinner
- Presentation by Mike Barnhardt, Illinois State Geological Survey. Mr. Barnhardt discussed GIS applications, and new technologies the ISGS incorporates into their research.
- President Gerald Berning called the business meeting to order at 2:00pm.

Secretary's Report - Minutes of the 22nd Annual Meeting held on March 22, 1997 were submitted by Bob Tegeler. Minutes were approved as submitted.

Treasurer's Report - Charles Frazee submitted the Treasurer's Report for January 1, 1997 through December 31, 1997. The treasurer's report was approved as submitted.

COMMITTEE REPORTS

Certification Board - Mary Kluz

Mary reported that one new member was certified this past year, (Todd A. Soukup). Mary also reported the database is in the process of being modernized, to manage CEU's. The Certification Exam is in the process of being updated. Future goal is to accurately define what a soil classifier is.

Constitution and By-Laws - Bruce Putman, Bruce emphasized the need to assess the By-Laws concerning Soil Classifiers who do not live in Illinois but practice in Illinois. The main issue is whether they can serve on the Certification Board.

Membership, Ethics, and Certification - Bill Kreznor, Bill received 6 applications for membership during the past year. He also received 2 at today's council meeting.

Finance - Pat Kelsey

The audit for 1997 was completed. The 1998 Budget was prepared, and totaled \$5,000. The budget includes support for the Illinois Department of Public Health Presentations scheduled this coming year.

Historic Committee - Lester Bushue

Lester requested any historical information members might want to submit.

Lester also brought numerous photos of soil scientists, for those in attendance, to view.

Newsletter - Pat Kelsey

Pat reported that 3 newsletters were printed last year. He also expressed the need for information that can be put in the newsletter.

Program - Ron Collman

Ron reported that programs were prepared for last years fall meeting and the current annual meeting. Pat Kelsey and Bob McLeese provided assistance.

Public Relations and Education - Don Fehrenbacher
Don distributed his annual report, and discussed various items from it. Three workshops for Soil Evaluation in the Illinois Private Sewage Code were held last year. Don is the primary ISCA representative on the Advisory Commission on Private

Sewage Disposal. Bill Kreznor is the alternate representative. The commission was created by an amendment to the Private Sewage Disposal Licensing Act. The Advisory committee will discuss future amendments and technical items related to the code.

State Soil - Robert McLeese

Bob suggested trying to link the selection of the state soil with the 1999 Soil Survey Centennial activities. Centennial activities will occur throughout the year. Bob stressed the need for sponsors who will support a state soil.

OLD BUSINESS - No old business.

NEW BUSINESS

- The formation of an ad hoc committee to develop standards for high intensity, Order 1 soil surveys for agricultural land mapping, was discussed.
- Election results: President Elect - Bill Kreznor
Vice President - Karla Hanson
- Gerald Berning handed the gavel to incoming President Roger Windhorn.
- Roger listed his committee chairpersons. He urged members to become certified. He also urged committee chairpersons to select their committee members.
- 1998 ISCA Officers and Committee Chairpersons
President - Roger Windhorn
Vice President - Karla Hanson
Treasurer - Charles Frazee
Secretary - Bob Tegeler
Past President - Jerry Berning
President- Elect - Bill Kreznor
- Committees
Nominations - Jerry Berning
Finance - Karla Hanson
Newsletter - Pat Kelsey
Public Relations and Education - Don Fehrenbacher
Constitution, By-Laws, and Legislative - Wilbur Chrudimsky
Ethics, Certification and Membership - Mark

Matusiak

- Ad Hoc Committees
State Soil - Bob McLeese
Historic - Lester Bushue
Program - Mark Bramstedt
- Special Appointee to Advisory Committee on Private Sewage Disposal - Don Fehrenbacher
- Certification Board Appointees:
Jim Hornickel
Earl Voss

1998 ANNUAL AUDIT AND PROPOSED 1999 ANNUAL BUDGET OF THE ILLINOIS SOIL CLASSIFIERS ASSOCIATION

Committee Members: Karla Hanson, Chair
Dale Calsyn and Jeffery Deniger

The Finance Committee has audited the books of the Illinois Soil Classifiers Association and found the books were in order and the accounts verified.

The Finance Committee requests approval from the Council

and Association of the 1998 Annual Audit and the 1999 Annual Budget.

Below are the 1998 Treasurer Report and the 1999 Annual Budget.

TREASURER'S REPORT

January 1, 1998 – December 31, 1998

Charles Frazee, Treasurer

Balance in Account – 1/1/98	\$13,020.93
Income:	
Dues	2,345.00
Interest	458.03
Soil Cards	5.00
Caps	9.00
Hydric Soils Tour	90.00
	\$2,907.03
Expenses:	
Administration	237.03
Annual Meeting Expense	18.74
Soil Survey Horizons	871.00
97 Summer Meeting Expense	250.00
Caps	3,503.76
Farm Progress Show	200.00
Soil Judging	375.00
	\$5,455.53
Ending Bank Balance – 12/31/98	\$10,472.43

1999 PROPOSED BUDGET

Budget Items	Budget Amounts
Administration	500.00
Annual Meeting	700.00
Awards	100.00
Fall Meeting	100.00
IDPH Meetings	1,200.00
Membership Handbook (Reprint)	300.00
Newsletter	850.00
Soil Centennial	300.00
Soil Survey Horizons	850.00
Special Projects	200.00
State Soil	500.00
Summer Meeting	100.00
Web Page	300.00
Total Annual Budget	\$6,000.00

SECRETARY'S REPORT

Bob Tegeler, Secretary

- Prepared minutes for 5 ISCA Council Meetings, since the March 1998 Annual Meeting. Submitted minutes to council members and committee members including Pat Kelsey for the ISCA Newsletter.
- Sent 1998 dues reminder to twenty-three members who had not paid. Nine responded. Forty-six noncertified

members paid their dues for 1998, including Honorary Members

- Coordinated ISCA Membership database with Steve Suhl, Secretary/Treasurer of the ISCA Certification Board, and Charles Frazee, ISCA Treasurer. Maintained ISCA membership database and submitted membership list to Pat Kelsey, for the ISCA newsletter. Provided ISCA membership list on diskette to Karla Hanson, for use on the ISCA webpage. Provided ISCA membership labels to Bob McLeese, to facilitate sending of 1999 Soil Survey Centennial Calendars to ISCA members.
- Worked with Sterve Suhl on scanning ISCA Logo so membership cards can be prepared in conjunction with the ISCA database.
- 1999 dues notice sent to noncertified members in November 1998. Forty-nine noncertified members of ISCA on record for 1999, including Honorary Members. Forty-one noncertified members have paid their 1999 dues as of January 18, 1999.
- Three new members were approved for 1999 membership with ISCA.
- Ordered ISCA hats, 200 green and 200 blue. Continuing to work with same company for ISCA shirts.

MEMBERSHIP, ETHICS AND REGISTRATION COMMITTEE REPORT

Mark Matusiak, Chairperson

The Committee reviewed membership application from 5 individuals in 1998. The ISCA Council voted to approve three applications, and voted to deny one application. One application is pending.

The Committee investigated two alleged ethical violations on the part of the ISCA members. One investigation was terminated once it was learned that the member no longer practices soil classification in Illinois, and has moved out of state. The other investigation is ongoing, pending discussions among the ISCA Council members concerning the appropriate action to pursue.

The Committee reviewed a proposed amendment to the Constitution and Bylaws concerning a change in wording in the section dealing with the qualifications of individuals serving on the Certification Board. The Committee recommended to President Windhorn that the amendment be adopted. Final action on the amendment is pending.

I served as part of an ad hoc committee investigating the possibility of developing an ISCA webpage. Progress has been slow because the subject is complex and time considerations and logistical difficulties have hampered the effort. Further work on the web page is planned.

CERTIFICATION BOARD ANNUAL REPORT

The major accomplishment of the certification board was development of a database to help manage the information the board uses for keeping track of member continuing education units and renewals. Board secretary Steve Suhl put in a lot of

time working wrinkles out of the system. Members should let a certification board member know if they find any mistakes. Since the last annual meeting, more work was done updating the examination material used for the certification process. There are currently no applicants in the certification process. The board had several requests for certification verification from people who were applying for license in neighboring states.

Certification board members Matt McCauley and Mary Kluz will end their terms on the board at the annual meeting on 6 March 1999.

In the past year the board began a discussion regarding the standards necessary for professional soil classification. The short-term conclusion was that the ISCA council and the general membership need to assess the direction certification takes in the future.

PROGRAM COMMITTEE ANNUAL REPORT

Chair – Mark Bramstedt

There were no committee members.

Assistance provided by:

Bob McLeese, Karla Hanson, and Roger Windhorn

The Program Committee assisted with the 1998 Region 3 Collegiate Soil Judging Contest held on October 8, 9, and 10 by serving as judges and developing signage for the contest.

The annual summer/fall ISCA meeting was to be held in conjunction with the soil-judging contest, but facilities at the contest site were limited. Therefore, an alternative date and location were selected. The summer meeting was scheduled for October 24 and was to be held in Monticello. The guest speaker was to speak on the latest developments and issues in precision agriculture. Unfortunately, only a few ISCA members registered in advance to attend, so the meeting was cancelled.

Arrangements were made with the Field Museum in Chicago, Illinois to tour the new Life Underground exhibit. The tour is scheduled for March 18, 1999 and is a preview tour ahead of the official opening of the exhibit. Several ISCA members helped in the exhibit development.

The 1999 Annual Meeting of ISCA was planned for March 6, 1999 at the Holiday Inn in Normal, Illinois. Guest speakers will be Mark Stelford and Darien Landolt, from Case IH Corporation to discuss the latest developments in technology as it relates to soils and data collection.

EDUCATION AND PUBLIC RELATIONS COMMITTEE REPORT

Committee Members: Don Dehnenbacher, Chair
Pat Kelsey, Bruce Putman and Bob Tegeler

IDPH Advisory Commission of the On-Site Sewage Code was formed and met three times since August 10th. The next meeting is scheduled for January 12th. Operating rules and committee assignments have been agreed upon. ISCA is

represented in the Regulatory/Technical Committee. There has been one committee meeting and mission statement and issues from the various committees were formulated and are enclosed.

Overall there is one significant issue that a number of commission members are pushing for. The creation of a uniform state code that supersedes Local County codes or provides a firmer framework for local codes. There have been concerns raised by ISCA members that this would open up the percolation test as an option in counties that presently require a soil evaluation. One of ISCA's goals will be the uniform requirement of soil evaluations probably phased-in over a few years.

IDPH Training for county and regional state health department staff was planned and scheduled for the Rockford, Peoria and Edwardsville areas in September 1998. These sessions were cancelled at the request of IDPH. They will be rescheduled for the late summer-fall of 1999. Thanks goes to the soil scientists those were on the planning committee – Jerry Berning, Steve Zwicker, Sterve Suhl, Roger, Windhorn, Ken Gotsch, and Matt McCauley.

There is a need for this committee to get the word out about ISCA in other publications such as *Agronomy News*, *Soil Survey Horizons*, etc. We intend to do this starting with the events surrounding the Annual Meeting.

NEWSLETTER REPORT

Committee Members: Pat Kelsey, Chair and Editor
Tom Hanzely, Sam Indorante, Karla Hanson

The newsletter was published four times in 1998 with a total circulation of 436 copies. Gratuity copies were sent to SSSA Headquarters, WSPSS, Ohio Pedologists, SIU, IDPH, and USDA-NRCS, Washington. The Morton Arboretum was unable to continue supporting the newsletter in full this year. Questions, concerns, or comments should be directed to the editor. Deadlines for 1999 Newsletters are May 14, August 20, and December 3, 1999. The winter deadline will be established at the January 2000 Council Meeting.

IDPH ADVISORY COMMISSION ISSUES

The IDPH Advisory Commission is developing specific recommendations for changes to the sewage code. The following three issues affect the future of Soil Classifiers and ISCA. Please make your opinions known to Council members and Don Fehrenbacher.

1. A statewide uniform sewage code that supersedes county codes is being considered. This would be a thoroughly revised code that allows for some variation depending on population density. Additional related issues are the present state code's allowance for surface discharges. It is my opinion that surface discharges should only be allowed in the most limiting soil conditions (poorly drained and shallow to bedrock) on lots of a certain minimum size in areas of low density. Also there is a concern that the present state code allows both perc tests and soil evaluations (see issue 2).

2. I will be proposing the elimination of perc tests in Illinois and the requirement to use soil evaluations. There appears to be support for this on the commission. How best do we implement this change? A phase-in period is probably necessary for parts of the state, however, I believe that where Classifiers can handle the workload we should propose an immediate use of soil evaluations. This may be implemented by IDPH region and/or county subsets. ISCA private consultant's need to evaluate where new demand can be met. Is there an interim role for NRCS?

3. There has been discussion about updating existing licensing of installers, designers and licensing or registering of soil classifiers. Some members of the commission believe that all consultant's need to be licensed by the state to insure quality control. Should ISCA support state licensing/registering of soil classifiers? This may be an opportunity to add further credibility to our profession.

Again, please express your opinions to Council members and Don Fehrenbacher

FIELD MUSEUM EXHIBIT "Life Underground"

A permanent exhibit (life span of approximately 20 years) of life in the soil opens March 27, 1999 at the Field Museum in Chicago. This exhibit focuses on the importance of soil in sustaining life on this planet. It takes the visitor on an imaginary tour into the upper inches of the topsoil, past creatures that inhabit the soil, and into an area that challenges the visitor to make choices about land management issues. The trip begins at a base camp of soil scientists where the visitor walks into the "Transmogriifier" and is reduced to 1/100 of normal size and enters the upper few inches of topsoil. Here animated crawfish, ants, springtails, molds, and fungi greet the visitor as he/she walks through the mollic silt loam. At the end of the underground experience, the visitor is returned to normal size and enters the "hands-on" part of the exhibit, affectionately called the "Mud Room". In this area, the visitor will learn about the properties of soil, what soil scientists are, how soils differ, etc. In the third area of the exhibit the visitor has the opportunity to act as a land manager, farmer, or developer and (by using a computer model) makes decisions about land management, farming, subdividing an area, etc. There are people (computer characters such as a soil scientist, homeowner, etc.) who offer advice to the visitor to assist in the decision making. After the visitor makes choices the outcome shows how much money was spent and how the decision affected the soil and other resources.

Monsanto was the major corporate sponsor of the exhibit. Some of the actual exhibit construction and animation was completed in London and Los Angeles. ISCA members Mark Bramstedt and Don Fehrenbacher provided technical assistance and review to the exhibit development and helped in gathering slides, plant materials, and other "real" items for the exhibit.

ISCA members are invited to a special preview and tour of the exhibit before the March 27th public opening. This preview tour is scheduled for March 18th at 10:00 AM at the Field Museum in Chicago. The tour is limited to 30 members. If you are interested in attending the tour, RSVP to Mark Bramstedt at (815) 432-6639 x 113, by Voice Mail at (800) 384-8732 * 345-9390, or by e-mail at Mark.Bramstedt@il.nrcs.usda.gov by March 16th. Only the first 30 to respond will be allowed to attend this preview event. Come and be part of this opportunity!

1999 ELECTIONS

President

Ken Anderson received his B.S. in 1986 from the University of Wisconsin-Steven Point. He had double Major in both Watershed Management and Natural Resource Management and a minor in Soil Science. In 1986, Ken started out as a County Soil Scientist in White County. He then, in 1987, moved to the Kane-DuPage Soil and Water Conservation District where he served as the Executive Director and a Resource Conservationist. In 1988, he became the Soil Scientist and Planner for Kane County. Since 1991, he has been the Manager of the Platting and Environmental Division of the Kane County Development Department. Ken is a Full member of the Illinois Soil Classifiers Association.

Ronald Collman is an alumnus of the University of Illinois. He received a B.S. in Agronomy/Soils in 1989. Ron is a soil scientist with the NRCS-MLRA update in Adams County, Illinois. He has worked for the Missouri Department of Natural Resources as a Soil Scientist in Southwest Missouri, mapping soils. Ron is a certified crop advisor and is applying for certification through the ISCA and ARCPACS.

Vice President

Jim Hornickel is currently employed by the NRCS and works as a soil scientist at the MLRA office in Springfield. His past experiences in soil classification include soil survey mapping in Livingston, McLean, Woodford, Fulton, and Marshall counties. Jim has been an ISCA Full Member since 1987 and became an ISCA Certified Professional Soil Classifier in 1980. Currently, Jim serves on the Certification Board.

Scott Wegman is employed by SDI Consultants, Ltd., an engineering and environmental consulting firm. His duties include project management, wetland delineations, wetland mitigation plan development, and wetland permitting. He is involved in ecological restoration of managed wetland areas as the "fire boss" during prescribed burns. He is also involved in groundwater studies and assessment of stream gage information. He previously conducted soil evaluations for septic systems at the Lake County Health Department, and began his career in soil science as a county soil scientist with the Pike, Tazewell and Woodford County Soil Surveys. He has a B.S. in Soil Science at the University of Illinois (1987) and a M.S. in Geology from Northern Illinois University (1998). Scott is a CPSC with ISCA and a CPSS with ARCPACS.

ISCA COUNCIL MEETING MINUTES

January 8, 1999

NRCS State Office, Champaign, Illinois

Robert Tegeler, Secretary

Present:

Roger Windhorn, President
Karla Hanson, Vice President
Bill Kreznor, President-Elect
Gerald Berning, Past President
Charles Frazee, Treasurer
Bob Tegeler, Secretary
Robert McLeese, Chairperson, State Soil Committee
Mark Bramstedt, Chairperson, Program Committee
Don Fehrenbacher, Public Relations and Education Committee, and Special Appointee to Advisory Commission on Private Sewage Disposal
Mark Matusiak, Chairperson, Ethics, Certification and Membership Committee
Pat Kelsey, Chairperson, Newsletter Committee
Mary Kluz, Chairperson, Certification Board
Lester Bushue, Chairperson, Historic Committee

The Council Meeting was called to order by President Roger Windhorn at 10:30am.

Secretary's Report – Bob Tegeler

The report from the last Council Meeting was approved as written.

Treasurer's Report – Charles Frazee

Charles handed out the Treasurer's report showing a balance of \$10,472.43 as of December 31, 1998. The Treasurer's report was approved. Pat Kelsey reported that he had some additional bills to submit to Charles. Pat also suggested that \$850.00 should be allocated in the 1999 budget for the newsletter costs, a motion was not made on this suggestion.

OLD BUSINESS

ISCA Membership Cards – Bob Tegeler reported that he had worked with Steve Suhl, Secretary/Treasurer of the Certification Board, to scan the ISCA logo. Steve prepared a sample of the ISCA Certification member card, and Bob prepared a sample of the non-certified member card. The samples were reviewed by those in attendance. A motion was approved to generate the 1999 membership cards using this scanned logo. The membership cards can then be generated from the ISCA membership database. A discussion ensued concerning the need for a database manager. It was suggested to submit a proposal to the ISCA council. This issue will be discussed in the future. Bob Tegeler will email an excel file of the updated ISCA database to Pat Kelsey prior to the Annual Meeting.

ISCA Hats – The second order of 200 hats has arrived.

ISCA Shirts – Bob Tegeler reported that he had received 2 sample shirts and was awaiting an additional style. These shirts will be available for viewing at the Annual Meeting. The firm that Bob is working with will provide input on colors that coordinate with the ISCA hats. A sign up will be held at the next Annual Meeting to determine if enough members are interested in ordering shirts. Input from the membership at large will help determine the color or colors. A polo shirt with

a pocket and the embroidered ISCA logo was selected as the style of shirt we will potentially order. Bob reported that prices will be in the \$15.00 range and depend on the number of shirts and style ordered. The logo used on the caps can also be used on the shirts. The minimum order size will depend on the color chosen for the shirt.

Region 3 Soil Judging Contest – Roger Windhorn reported the contest was a success. The Illinois soil judge with the highest Illinois score was Johanna Stephenson from Illinois State University. She will be awarded the Outstanding Collegiate Soil Judge Award. Roger will determine when and where the award can be given to Johanna. Roger read the thank you letter that was sent to Chuck and Sue Arbuckle for hosting the contest on their farm.

Order 1 Soil Survey Standards – The committee received and made comments and suggestions on the Order 1 Standards. Comments can still be made on the standards. Revisions have not been finalized yet; the proposed guidelines will be sent to ISCA members for the review prior to the 1999 Annual Meeting. The guidelines will then be discussed at the 1999 Annual Meeting.

Certification Stamp – Bill Kreznor reported that only 2 responses were received concerning the ISCA Stamp. It was decided that interested members will need to order the stamp themselves.

ISCA Publicity – Photos taken at the Soil Judging Contest were on hand during the council meeting. The ISCA web page was also discussed. Karla Hanson, Mark Matusiak and Pat Kelsey have gathered information, including the ISCA membership list, which will be used on the website, and will submit it to Paige Mitchell after the council meeting. Various costs and options were discussed. It was decided to determine how much information would be on our website. Then a better decision can be made concerning a server, etc. More information will be available at the Annual Meeting. Bob McLeese will contact Bill Gradle, NRCS Illinois State Conservationist, to see if the Illinois NRCS webpage could serve as a host for the ISCA webpage. In the future, ISCA could be a leader in providing information, where other associations contact our web site. After the council meeting, slides of soil profiles provided by Mark Bramstedt were going to be examined for possible use on the website.

On Sites conducted by Noncertified Members – Charles Frazee reported that he reviewed the list of ARCPACS members via the Internet. He compiled a list of ISCA members who are ARCPACS certified, but not ISCA certified. The list he obtained was reviewed.

COMMITTEE REPORTS

Constitution, By-Laws and Legislative – Roger Windhorn discussed upcoming changes to the constitution. He handed out information concerning the proposed change to allow certified members who do not live in Illinois to serve on the certification board. The proposed changes will be sent in the next newsletter, 30 days prior to the Annual Meeting.

Certification Board – Mary Kluz, Chairperson. Mary reported that the certification examination was revised. 80 percent to the certified members have paid their 1999 renewal. Lapsed notices will be sent to the remaining members at the end to January. The ISCA database is in the process of being

updated. The certification board will need 2 new members this year. A discussion concerning ISCA certification ensued. ISCA applicants for certification has leveled off, but it could increase now that ARCPACS is requiring new applicants to take test(s). Should ISCA establish performance objectives similar to ARCPACS, or use the ARCPACS exam? It was proposed to establish an Ad Hoc Committee to study performance objectives, the ISCA certification exam, etc. This subject will be pursued in the coming year. Mary will give a report at the Annual Meeting, discussing ISCA certification, the exam, performance objectives, etc.

Nominations Committee – Gerald Berning, Chairperson. Wiley Scott and Ken Anderson are candidates for President-Elect. Jim Hornickel is a candidate for Vice President, Matt McCauley was contacted as a candidate for Vice President, but was undecided to date. Each candidate will be asked to submit to a short resume to Pat Kelsey, for the newsletter.

Public Relations and Education Committee/Special Appointee to the Advisory Commission of Private Sewage Disposal – Don Fehrenbacher, Chairperson. Don provided handouts of minutes from meetings of the various committees of the Private Sewage Advisory Commission. The Advisory Commission met three times since August 10. Don is representing ISCA on the Regulatory/Technical Committee. This committee has met once. There has been discussion by the commission members to create a state code that would supersede individual county codes. It is ISCA's perspective, that this would be step a backward, since it could open up the perc test as an option to counties that currently require soil evaluations. The commissioners support soil evaluations, possibly phasing out perc tests. ISCA needs to decide if it supports a state code, Don would need to know the perspective of ISCA if this issue comes to a vote. Don mentioned that in the future IEPA could be pursuing areas of surface discharge from aeration systems. The commission is considering whether to use aeration systems only on poorly drained soils, and use septic systems elsewhere. Don reported that the IDPH Field Training meetings scheduled last year were canceled, but will be held this year in Edwardsville, Peoria, and Rockford. Don is also working with Mark Bramstedt on a new ISCA brochure. Don is also trying to put ISCA news items in the *Agronomy News* and *Soil Survey Horizons*, starting with Annual Meeting information.

Newsletter Committee – Pat Kelsey, Chairperson. The next newsletter will include Annual Meeting information; the January 8, ISCA Council Meeting Minutes; ballot; proposed constitutional changes; and Committee Reports. This information and other articles are needed by January 29 to be included in the newsletter. Committee reports need to be submitted to Pat.

State Soil Committee – Bob McLeese, Chairperson. Bob handed out an information sheet explaining properties of the proposed state soil, Drummer Silty Clay Loam. The Monticello High School Ag. Science class will be a sponsor of the proposed state soil. State Representative Julie Curry, and State Senator Duane Noland are also sponsors. These sponsors are promoting the state soil proposal.

Finance Committee – Karla Hanson, Chairperson. The committee will be working with Charles Frazee, ISCA Treasurer, to review the 1998 records. The committee will

also be preparing a budget for 1999. The new budget will appear in the next ISCA Newsletter.

Program Committee - Mark Bramstedt, Chairperson. The Annual Meeting will be held at noon on March 6, at the Normal Holiday Inn, on North Route 51. Representatives from Case-IH will discuss Precision Agriculture. Various menu options were reviewed, the All American luncheon buffet was chosen. Cost of the meal will be \$11.00, this fee will also help defray costs for the meeting room at the Holiday Inn. ISCA will provide meals for the speakers, and Johanna Stephenson. Reservation fees can be sent to Charles Frazee, ISCA Treasurer. Mark will determine the deadline date for reservations. Mark also reported that a possible tour of the soils display at the Field Museum is being arranged. It could take place between March 24 through March 26. More details will be mentioned in the next ISCA newsletter, and at the Annual Meeting.

Historical Committee - Lester Bushue, Chairperson. Les mentioned that he could use some assistance in organizing and reviewing the ISCA historical files. Roger Windhom offered to assist Les. The historical files could possibly be brought to the NRCS State Office, so other ISCA members could assist in the effort to organize the material.

NEW BUSINESS

Soil Survey Centennial - Bob McLeese reported that the Illinois Soil Survey Centennial committee has developed a draft plan of action for centennial activities. The plan could possibly be put in the ISCA Newsletter. Bob also reported that he is on the National Soil Survey Centennial committee. The national committee is currently using the Illinois plan of action. Soil monoliths will be on display in Washington D C on Earth Day, in April. The monoliths of the state soils will be on display in USDA Headquarters in Washington, after Earth Day. Centennial Calendars were mailed out to ISCA members, and to NRCS offices statewide. Another version of the calendar is coming possibly this spring.

On sites conducted by noncertified ISCA members - Roger Windhom read a report by Mark Matusiak, Chairperson Ethics, Certification, and Membership Committee. According to Mark's report, 2 noncertified ISCA members were conducting on sites. One of the individuals has returned to school. This individual has been replaced by a person who has applied for ISCA membership, but is not certified. The other ISCA Member is not certified by ISCA or ARCPACS, and is not having 25% of their work reviewed by a Certified Soil Classifier; a violation of the ISCA Code of Ethics, and the IDPH Code. It was recommended that these 2 individuals apply for certification, and in the mean time seek supervision from a Certified Soil Classifier, to conduct a review of 25% of their on sites. Roger Windhorn will contact them by phone to discuss this issue. A follow up letter will be sent to the individuals, their employers, and Doug Ebelherr Program Manager, IDPH. The letter will outline options and a 30-day time frame to complete the options. Information concerning potential ISCA Certified Soil Classifiers who could serve as supervisors would also be provided. The IDPH Code will also be discussed with the State Association of Conservation Districts. It was emphasized that a positive approach to this matter will be taken. A motion was made and approved that

Roger Windhorn contact the individuals, to explain their options, and follow this up with a letter. Roger and Mark Matusiak will coordinate their efforts on this matter. Another individual is conducting on sites and is not an ISCA member; even though this work as a noncertified Soil Classifier violates the IIDPH code it does not violate the ISCA code of ethics. Therefore this individual's work does not fall under the jurisdiction of ISCA.

Ethics, Certification and Membership Committee - Mark Matusiak, Chairperson. A discussion ensued concerning a Student Member's request to become an Associate Member. It was decided that an application for membership needs to be submitted to Mark's committee. The application would provide Mark's committee the information needed to make a decision. Paula Shannon also submitted a request to change her membership from Associate to Out of State. This request was approved, and Charles Frazee will reimburse her the difference in dues fees between Associate and Out of State membership.

Newsletter - Pat Kelsey expressed a word of thanks to ISCA for its support of the lab at the Morton Arboretum

Committee reports - Pat Kelsey will forward ISCA Committee Reports to Bob Tegeler.

The next ISCA Council Meeting will be held at 10:30 AM on Mar. 6, 1999, prior to the Annual Meeting at the Holiday Inn, Normal, IL.

EMPLOYMENT

SDI Consultants, Ltd., is a multi-discipline engineering consulting firm located in Oak Brook, Illinois. We are seeking an entry/mid-level Soil Scientist/Soil Classifier to join our interdisciplinary Wetland Division. The soil scientist/soil classifier will assist in field delineations of wetlands by classifying soils and evaluating wetland hydrology; assist in the preparation of wetland delineation reports; assist in wetland mitigation design; conduct soil erosion control inspections of construction sites; and assist with monitoring and management of preserved and created wetlands on completed projects. The soil scientist/soil classifier will submit permit application to the appropriate regulatory authorities for proposed impacts to wetland, and will coordinate permitting efforts with regulators. Qualifications include a B.S. in Soil Science or a closely related field, and field experience mapping and classifying soils. The position consists of approximately 40% field work and 60% office work. Please submit resume to Rich Lannon at SDI Consultants, Ltd., 2000 York Road, Suite 130, Oak Brook, Illinois 60523, or email them to rlannon@v3-cos.com.

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

1999 ANNUAL MEETING

March 6, 1999

Holiday Inn

Normal, Illinois

Name(s) _____

Address _____

City, State, Zip _____

Phone _____

Number Attending _____

Fee Enclosed (\$11.00/person) _____

Please return by March 1st to:

Chuck Frazee, Treasurer

65 Gaffney Road

Divernon, IL 62530

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

1999 ELECTION BALLOT

President

Vice President

Ken Anderson _____

Jim Hornickel _____

Ron Collman _____

Scott Wegman _____

Voting Privileges are extended only to Full, Honorary Full, and Associate Members.

The Nominations Committee Chair must receive ballots by the start of the annual business meeting of the Illinois Soil Classifiers Association, **March 6, 1999**. If you will not be in attendance, the Secretary of the ISCA (Bob Tegeler) prior to the annual meeting must receive ballots. Ballots received by mail after **March 5, 1999** will not be counted.

Bob Tegeler

ISCA Secretary

124 Joan Dr.

Divernon, IL 62530

or email selections to:

bob@family-net.net



ILLINOIS SOIL CLASSIFIERS ASSOCIATION NEWSLETTER VOLUME 24 NUMBER 2

WHEN OPPORTUNITY KNOCKS

When I think back to the time of my college years and early career in soil science, I am struck at how narrowly focused my vision was regarding not only my profession, but also my personal development as a soil classifier. I was interpreting soil properties for engineering uses with little understanding of many of the engineering practices themselves. The Area Engineer? To me he was some guy I hardly saw who had the office next to the AC. He was a source of information I never tapped. My soil maps and interpretations were often used for conservation plans that would directly affect the bottom line of a business I quaintly knew as the family farm. What did I know of how such businesses are run? Not much. How many businesses had I studied firsthand? How many business courses had I taken in school? None.

I passed on opportunities to work more closely with the Area Engineer. I lived in and worked with a community engaged in the agricultural industry but never reached out to individuals who could teach me something about their business. I guess I was too busy tending to my assigned duties. I thought I was paving my career path acre by acre, all according to the conventional wisdom and formula. One of my colleagues had a name for us: soil-mapping machines.

When I pick up the business section of my local newspaper I read that jobs are easily had. Some positions are begging to be filled. But what seems to make a job into a career is the ability to recognize and seize upon opportunity.

Could this ability in its membership also be the difference between an active, recognized, and respected association and an uninspired, obscure, and unappreciated one? I believe it can. Two examples within The Illinois Soil Classifiers Association come to mind. First, we provided assistance to the Illinois Department of Public Health (IDPH) which led to our involvement with the 1996 state Private Sewage Disposal Licensing Act and Code. ISCA also carried state recognition for its certification program in this Code. Second, ISCA members have provided technical assistance to local units of government in drafting ordinances requiring detailed soil investigations for land development projects. Many of these ordinances require ISCA certification as a minimum standard for the practitioner.

The first example began with an ISCA member being contacted by an official from a health department interested

in using soils information for on-site wastewater disposal. The second began with an ISCA member being contacted by a consulting engineer looking for a better way to design residential subdivisions. These two ISCA Soil Classifiers looked beyond their job description. They recognized and seized upon an opportunity to promote their profession in non-traditional directions with a different clientele. And they worked their professional association into the mix.

Our Association is building upon this recognition in additional directions. We are recognizing and seizing new opportunities.

ISCA now routinely provides training in gathering and using soils information for officials of local health departments. ISCA has a permanent place on the state Private Sewage Advisory Commission. ISCA is a cooperator in the National Soil Survey Program and is involved in drafting standards for High Intensity Soil Survey for Agriculture in Illinois. These standards are certain to serve as a blueprint for similar standards in other states. ISCA members were consulted during planning and construction of the new "Underground Adventure" exhibit at the Field Museum of Natural History in Chicago.

For our latest coup, ISCA will send two delegates to the Illinois Conservation Congress. The mission of this Congress is to "propose and advocate actions that can be taken by elected and appointed officials to protect and conserve the natural resources of the State of Illinois, and ensure through professional management that sustainable use, recreational opportunities and enjoyment of these resources is available for this and future generations". ISCA participation in this Congress will allow us to get to know and work with a host of new individuals and groups. I encourage our delegates to the Congress to recognize and seize opportunities that will arise.

If you have hung with me this far, you are either a True Believer or are having trouble sleeping. For those of you in the first group, I have an opportunity for you. The Executive Council has approved the formation of an *ad hoc* committee to study our certification program. Is this program still viable and relevant? Does it address the needs of its members and those they serve? I have talked to several of our Certified Professional Soil Classifiers about serving on this Committee and I urge all other CPSCs to consider serving on this Committee. Please contact me if you are interested.

Bill Kreznor, President, Illinois Soil Classifiers Association

ILLINOIS SOIL CLASSIFIERS ASSOCIATION PROFILE BACKGROUND

Established in 1975 as a non-profit association (Illinois Secretary of State registration no. N5073-694-6). Made up of professional soil classifiers in public service, private industry, and education. Affiliated with the American Registry of Certified Professionals in Agronomy, Crops and Soils (ARCPACS).

OBJECTIVES

- Establish and maintain high standards of technical competence and ethical conduct in the profession of soil classifying.
- Promote high standards of education in soil science.
- Promote the wise use and conservation of the soil resources of Illinois.

MEMBERSHIP

- 92 professional soil classifiers, 46 of whom are Certified Professional Soil Classifiers.
- 4 student and affiliate members.
- 41% employed in private practice,
- 37% employed in federal government,
- 14% employed in agencies of state and local government,
- 8% employed in secondary/higher education.

ACTIVITIES AND RECOGNITION

- ISCA administers a professional certification program to maintain professional competency and provide credentials to practicing Professional Soil Classifiers. The Illinois Department of Public Health recognizes ISCA certification as a requirement for conducting soil investigations for onsite wastewater treatment.
- ISCA is a cooperator under the National Cooperative Soil Survey administered by the United States Department of Agriculture-Natural Resources Conservation Service.
- ISCA develops and conducts workshops providing soils information important for land use planning. Individuals employed by state and local government agencies, private sector interests, and the academic community have attended these workshops. These workshops have been held statewide and regionally.
- ISCA sponsors the Burton W. Ray Scholarship for undergraduate students enrolled in a soil science curriculum.

"BILL FOR OFFICIAL STATE DIRT BITES THE DUST"

THE PANTAGRAPH (BLOOMINGTON, IL)

SPRINGFIELD – An effort to make Drummer silty clay loam the official state soil bit the dust Thursday. Minutes after a group of Monticello high school students finished asking a House committee to consider honoring the rich, black dirt, the bill's sponsor sandbagged the legislation, saying it is dead for the foreseeable future. "I don't intend to pursue it any farther," said state Rep. Larry Woolard, D-Marion. At Woolard's request, the committee did not vote on the bill, leaving it buried for the remainder of the spring session.

At issue is the long running effort to designate Drummer silty clay loam as the official state dirt. In 1990 and 1991, similar efforts by former state Rep. Gordon Ropp, R-Normal, also were plowed under amid regional bickering. Woolard said he wanted to give the students the opportunity to see how state government works, but was unwilling to

move the bill the House floor for final action. He claimed some lawmakers don't believe Drummer silty clay loam should be chosen because it only covers 15 percent of the state's agricultural land. In other words, some believe dirt in their districts is better.

The students argued otherwise, saying numerous surveys of more than 500 soil types by 4-H groups, agricultural science classes, and Future Farmers of America had found universal support for Drummer silty clay loam because of its productivity. "When it comes down to Illinois and our official state symbols, we should have started with the soil," said agriculture sciences student Phoebe Baker, a member of the Monticello FFA. "We believe this legislation is important and not trivial." Illinois has not added a new state symbol since 1990, when the square dance was added as the official state dance. Others include the state animal – the white-tailed deer – and the state fossil – the Tully Monster. There are 13 state symbols in all.

Kurt Erickson, February 28, 1999

EDITORIAL PARTING SHOTS FROM THE CERTIFICATION BOARD CHAIR

With a scarcity of ISCA certification applications this past year, some of us have discussed the possibility that certification isn't as relevant as it used to be. I would like to remind everyone of some of advantages of ISCA certification:

1. It provides membership in a state legislative contingency, representing professionals.
2. It provides opportunities for contacts with local government officials and other certified classifiers.
3. It provides verification of proficiency when applying for license in another state.
4. It provides opportunities for income.
5. It provides the public with assurance that standards have been met.

There have been some minor rumblings in the world of soil science. These items may not rate above 4.0 on the Richter scale, but as soils professionals we need to take note.

Several neighboring states and some farther from the Illinois borders have taken legislative action requiring soil scientists to become licensed. The motives may have been proactive or reactive, but either way we are seeing more regulation of our profession. Wasn't it just six years ago that we felt threatened enough to show up in Springfield, talking with our legislators, before they legislated us out of our jobs? Now ISCA certification is mentioned in Illinois State code.

A national program for certification, ARCPACS, has not only changed its CEU reporting rules, they have become very active in state licensure. Through the SSSA, the Council of Soil Science Examiners (CSSE) has been organized, whose purpose is to "develop and maintain an examination program that is representative of the body of knowledge necessary to practice soil science in a manner that will protect the health and welfare of the public and to ensure fairness to all candidates to whom the examination is administered" (CSSE Protocol, draft, May 1997). The CSSE exams are now part of the ARCPACS certification process. Several states that I know of require passing the CSSE pair of exams as part of their licensing process.

Within the practice of soil classification, the jobs we do have become much more varied than they were 25 years ago. The sources of training are also much more varied than they were. There may be soil classifiers who do not have ready access to the Soil Survey Manual. We certainly can no longer assume that a soil classifier's background includes employment experience with the National Cooperative Soil Survey, or that it should.

I hear the questions already: "What do all these things have to do with each other--and why should we care?" The point is that at the same time we may be losing some common denominators between soil classifiers, the regulation is increasing. While we grow to become a more diverse group, the pressure is on to assure competency of our members and protect the public. We rely upon the certification process to do this job.

In my term with the certification board, I have become more aware of the debate that can go on regarding a person's qualifications to become certified and the challenge that it is to devise a fair exam. I have also served an educational term with the Council of Soil Science Examiners. These experiences have led me to believe we need to address some issues.

I don't have the answers, but I have a few opinions and plenty of questions, questions ALL of the ISCA members need to discuss.

- How do we define what a soil classifier should know to effectively and professionally practice soil classification?
- How do we assure the public that a soil classifier is qualified?
- How do we communicate our qualifications to the public?
- Do we want to stay in the certification business, and if so, do we continue to maintain our own exams or should we opt to use a national exam?

We need to be prepared to face some very sticky issues. The stakes are going up as we become more regulated. As a group, we need to define some priorities and objectives. We have to decide if this is important. And if you have any opinion about these questions, your ISCA president needs to hear from you. U-rah. Go team.

Mary Klus, Past Certification Board Chairperson

**ILLINOIS SOIL CLASSIFIERS ASSOCIATION SUPPORTS THE
NATURAL RESOURCES CONSERVATION SERVICE**

In March, the Executive Council was informed of the funding problem occurring at USDA-Natural Resources Conservation Service. The Council voted to support our partner by contacting legislators. The text that follows was approved by a majority of the Council and sent to select members of the Illinois Congressional delegation.

"Soil and water conservation in Illinois is facing a serious threat. The USDA-Natural Resources Conservation Service (NRCS) in Illinois is suffering through a budget shortfall. This will have a direct and adverse impact on many Farm Bill programs such as the Conservation Reserve Program, the Wetlands Reserve Program, the Environmental Quality Incentives Program, and the Wildlife Habitat Incentives Program. Lack of funds will also threaten soil survey, groundwater protection, and watershed programs. It will send Illinois conservation partners such as the Illinois Department of Agriculture, Illinois Department of Natural Resources, and local Soil and Water Conservation Districts scrambling to fill the void resulting from the loss of the national leadership, technical expertise, and assistance NRCS brings to the conservation table.

I'm sure you are aware that the NRCS is the *only* federal agency responsible for conserving, enhancing, and sustaining the natural resources of this nations private land. Current staffing of the NRCS in Illinois is already at a bare minimum. A supplemental appropriation of about 1.8 million dollars is needed to keep the NRCS in Illinois solvent and working on soil and water conservation in the heartland.

The Illinois Soil Classifiers Association (ISCA) was established in 1975 as a non-profit association. We are professional soil classifiers in public service, private industry, and education. We seek to promote the wise use and conservation of the soil resource of Illinois by encouraging the use of soils information in land use planning.

The membership of the Illinois Soil Classifiers Association hopes you will, as we do, subscribe to the words of Andrew S. Draper, President of the University of Illinois, who said a century ago "The wealth of Illinois is in her soil and her strength lies in its intelligent development." Join our conservation partnership. We urge you to support legislation that restores funding to the NRCS so it may continue its important work in Illinois".

William R. Kreznor, President
Illinois Soil Classifiers Association

**ILLINOIS SOIL CLASSIFIERS ASSOCIATION SUPPORTS THE
NATURAL RESOURCES CONSERVATION SERVICE:
RESPONSE FROM UNITED STATES SENATOR
RICHARD J. DURBIN**

Dear Mr. Kreznor

Thank you for contacting me in support of additional funding for the Natural Resource Conservation Service (NRCS) in Fiscal Year 1999. I appreciate knowing your views on this issue.

I share your support for the NRCS and for resource conservation and development (RC&D) programs, which help local groups and individuals develop and implement land use and conservation programs.

As you know, the NRCS faces a shortfall in operational funding for the fiscal year ending on October 1, 1999. This would have a serious impact on important conservation work that is ongoing in Illinois, including the Conservation Reserve Program.

With that in mind, I coauthored an amendment to the Emergency Supplemental Appropriations bill for Fiscal Year 1999 (S. 544) that provides an additional \$28 million for the NRCS in Fiscal Year 1999. S. 544 passed the Senate on March 23, 1999, with the additional funding for the NRCS included in the legislation. The House of Representatives did not include this funding in their version of S. 544. As a conference committee convenes to reconcile the differences between the Senate and House versions of S. 544, I will continue to keep in mind your support for increased NRCS funding in Fiscal Year 1999.

Thank you again for your message. Please feel free to keep in touch.

Richard J. Durbin
United States Senator

**PROPOSED REGIONAL GENERAL SECTION 404 PERMITS
REQUEST FOR COMMENTS**

Comment Period Begins: April 10, 1999 and Expires: June 10, 1999

The U.S. Army Corps of Engineers, Chicago District, (District) is proposing a set of Regional General Permits (RGPs) for activities believed to have minimal individual and cumulative impacts to aquatic resources in Cook, DuPage, Kane, Lake, McHenry, and Will Counties. The purpose of the RGP Program is to provide a simplified and expeditious means for review of activities that meet the specified terms and conditions of the program.

RGPs are a type of general permit, as defined in 33 CFR 322.2(f), 33 CFR 323.2(n) and 325.2(e)(2). A RGP may be issued by a Division or District Engineer for categories of activities that are substantially similar in nature and cause only minimal individual and cumulative environmental impacts. A list of the thirteen RGPs being proposed by the District is below. A detailed description of each RGP and the overall RGP Program, including the procedures and conditions, can be found on the District's Regulatory web site at <http://www.usace.army.mil/lrc/co-r/rgp.htm>. If you do not have access to the internet, a hard copy of these materials may also be requested from the District by contacting Michael Jewell of the Regulatory Branch at (312) 353-6400, extension 4030.

To implement the RGP Program, the District is also proposing to revoke the Nationwide Permit Program (NWP) and Regional Permits 3, 15 and 16 from use within the six county area. It is anticipated that the RGP Program will authorize almost all of the activities already authorized under the NWP and Regional Permits but will do so more quickly and with greater environmental protection.

Interested parties are invited to provide written comments on the proposed RGP Program and revocation of the NWP and Regional Permits. All comments received by June 10, 1999 will become part of the record and will be considered by the District in deciding whether to issue the RGP Program. Please note that the 60-day public review period already includes the allowable 30-day extension [see 33 CFR 325.2(d)(2)].

All comments are due by June 10, 1999. Comments must be submitted to: U.S. Army Corps of Engineers, Chicago District, Regulatory Branch, Attention: Mark Matusiak, RGP Coordinator, 111 N. Canal Street, Suite 600, Chicago, Illinois 60606.

REGIONAL GENERAL PERMIT ACTIVITY CATEGORIES

	CATEGORY 1¹	CATEGORY 2²
A. Residential, Commercial and Institutional Developments	Activity impacts 0.25 acre or less of waters of the U.S. and does not affect high-quality aquatic resources	Activity impacts between 0.25 and 2.0 acres of waters of the U.S. and /or affects high-quality aquatic resources
B. Recreation Projects	Activity impacts 0.25 acre or less of waters of the U.S. and does not affect high-quality aquatic resources	Activity impacts between 0.25 and 2.0 acres of waters of the U.S. and/or affects high-quality aquatic resources
C. Transportation Projects	Activity impacts 0.25 acre or less of waters of the U.S. and does not affect high-quality aquatic resources	Activity impacts between 0.25 and 2.0 acres of waters of the U.S. and/or affects high-quality aquatic resources
D. Minor Discharges & Minor Dredging	Activity involves 10 cubic yards or less of discharge or dredging and does not affect high-quality aquatic resources	Activity involves between 10 and 25 cubic yards of discharge or dredging and/or affects high-quality aquatic resources
E. Wetland & Stream Restoration/Enhancement	N/A ³	All activities
F. Completed Enforcement Actions	N/A	All activities
G. Temporary Construction Activities	N/A	All activities
H. Utility Line Projects	N/A	All activities
I. Maintenance	All activities	N/A
J. Bank Stabilization	Activity involves use of vegetative or biotechnical practices	Activity involves use of hard bank practices
K. Marine Structures & Activities	All activities except boat ramps	Boat ramps
L. Bridge Scour Protection	All activities	N/A
M. Cleanup of Toxic/Hazardous Materials	N/A	All activities

¹ Category I activities require notification to the District but will be authorized with minimal review and no additional conditions.

² Category II activities require notification to the District and coordination with resource agencies. These activities will be given more rigorous review. Special conditions may be added to ensure compliance with the RGP Program.

³ Not applicable

McHENRY COUNTY DEPARTMENT OF HEALTH
ARTICLE X DRAFT MEETING

On Tuesday June 8, 1999 at 6:30pm the McHenry County Department of Health will be hosting a meeting to discuss the proposed changes to Article X. The meeting will be held at the McHenry County Government Center, Room B170. The Department will also be hosting individual meetings for contractor, engineers, pumpers and the general public to gather input on the proposed Ordinance. Revisions would then be made and the draft Ordinance would be provided to the Illinois Department of Public Health, County Board, Board of Health and States Attorney's Office for comment and then approval.

Any questions or comments should contact Gail Weber, Sewage Program Coordinator, at (815) 334-4585.

MAJOR PROPOSED CHANGES TO ARTICLE X

- Section 3.02A: Minimum sizing of septic systems by homes' square footage and/or number of bedrooms;
Minimum design based upon 2 bedrooms.
- Section 3.02B: Handling of hot tub, water softener and pool filter discharges.
- Section 3.04H: Septic Designs by Engineers, Licensed Septic Installers and Licensed Environmental Health Practitioners;
LPP, mound and at-grade systems designed only by licensed professional engineers.
- Section 3.06: Critical variations (sizing, depth to limiting layers, etc.) for replacements systems to be recorded on the title of the property.
- Section 3.09: Decks and patios allowed over septic tanks with free access over portals.
- Section 4.01C: Minimum of 3 soil borings required per site. All lots recorded after date of approval of ordinance must have 1/2 acre of noncritical soils prior to issuing permit.
- Table I - 5 septic system types;
Potential to reduce separation to limiting layers when certain types of systems used (i.e. at grade and mound).
Minimum separation from natural soil surface to limiting layer - 12 inches; use of very rapid soils prohibited (variance can be considered under certain conditions).
Use of moderately slow and slow permeabilities;
Increase in maximum allowable slope per soil permeability
Maximum allowable slope at 25%.
- Section 4.01D: Inclusion of Procedure for Installing Water Table Monitoring Wells.
- Section 4.02 - Site preparation requirements for filled systems;
Fill material limited to coarse, graded sand or porous earth fill (as defined) with certification from soil classifier.
- Section 4.03: Department review of all septic system designs for non-residential properties prior to permit submittal;
Annual registration and water usage monitoring for non-residential properties served by septic systems.
- Section 5.01C: Mounds designed based upon Wisconsin Mound Soil Absorption System Siting. Design and Construction Manual
- Section 5.01E: At-Grade Systems designed based upon Wisconsin At Grade Soil Absorption System Siting. Design and Construction Manual.
- Section 5.06: Standards for design of low pressure pipe distribution.
- Section 6.04B: Standards for servicing and maintaining portable toilets.
- Section 6.05: Standards for and registration of special waste holding tanks;
Requirements for temporary holding tanks when weather conditions prohibit the installation of the septic system.
- Section 7.02: Annual permitting of septage land application sites;
Application rates per the nitrogen requirements of the cover crop;
Reporting requirements;
Pathogen and vector reduction per 40CFR503.
- Appendixes: Inclusion of all tables in the appendixes;
Table IC with guidelines for variances for new construction;
Table X - approved pipe for septic systems limited to cast iron, schedule 40 and PVC -SDR 35 depending on its usage;
Inclusion of a design checklist;
Tables XI and XII for LPP calculations.
- Illustrations: Illustrations of system types, LPP distribution, and water table monitoring well construction.

SOIL SURVEY CENTENNIAL 1899 – 1999 ILLINOIS USDA-NRCS MARKETING PLAN

A Soil Survey Committee met in December 1998 and developed this plan to convey key messages on the importance of the soil survey program in Illinois and the fragility of our limited soil resources.

The plan is to help the Illinois Cooperative Soil Survey continue the communication and education efforts begun during the 1995 "Celebrating the Next Generation" initiative.

Committee Members:

Paige Buck-NRCS, Terry Donohue-IDOA, Leon Follmer-ISGS, Bob McLeese-NRCS, Ken Olson-UI,
Steve Stalcup-AISWCD, and Roger Windhorn-ISCA

SOIL SURVEY AUDIENCES, KEY MESSAGES, AND DESIRED ACTIONS

❖ Soil Survey Audience	Land Users
Message	Consider the Soil First
Desired Action	Use soil survey information to make wise land use decisions
❖ Soil Survey Audience	Educators
Message	Soil is the living link that ties the natural world together
Desired Action	Incorporate soils in to natural resource education at all grade levels
❖ Soil Survey Audience	Key Decisionmakers
Message	The soil survey is the most valuable natural resource data base in the world
Desired Action	Support the use of soil survey information as the basis for natural resource decisions

ACTIONS

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Review and update "Constituents List" mailing list and conduct a direct mailing of Soil Survey Centennial information. 2. Pursue legislation to name an official state soil. 3. Collect soil monolith of Illinois' benchmark soils and most extensive soils. 4. Secure and distribute copies of <i>From the Surface Down</i>. 5. Revise and distribute <i>Soil Surveys can help you</i> pamphlets. 6. Develop and distribute <i>State Soil Fact Sheet</i> and pamphlet. 7. Develop and distribute "Consider the Soil First" coffee cups, post cards, bookmarks, and pencils. 8. Distribute 1999 Soil Survey Centennial Planning guide and 1999 Soil Orders Calendar. 9. Distribute St. Clair County and McHenry County "Soil View" CD's. 10. Collect and disseminate "soil quotations". 11. Assist Illinois Soil Classifiers Association in developing web site. 12. Man a Soil Survey Display at conferences and workshops of: <ul style="list-style-type: none"> • SWCS's State of North America's Private Lands • The Field Museum • Illinois State Fair • DuQuoin State Fair • AISWCD Summer Conference • SWCS Illinois Chapter Annual Meeting • UI Agronomy Day • Peoria Farm Show • Capital City Farm Show 13. Secure spot on agenda at workshops and meetings of: | <ul style="list-style-type: none"> • Illinois Association of Local Health Officials • Illinois Municipal League • ILICA • Science Teacher's Association • Illinois Farm Bureau • Farm Managers and Rural Appraisers • Realtors Associations • Homebuilders Associations • FFA • 4-H <ol style="list-style-type: none"> 14. Develop and distribute Public Service Announcements 15. Develop and disseminate News Releases 16. Work with Realtors Association to include soils information in Real Estate Multiple Listing. 17. Disseminate "Educators Kit" (to be developed by NRCS NHQ) 18. Write articles for popular farm, environmental, conservation, education publications 19. Conduct legislative visits/contacts 20. Secure Governor's/Legislature proclamation and/or resolution. 21. Update "Key to Illinois Soils" as a Soil Survey Centennial initiative. 22. Publish Illinois STATSGO as a soil survey centennial initiative. 23. Promote "Underground Adventure" at Chicago Field Museum. 24. Conduct Earth Day Celebration. 25. Honor retired and current soil scientists at 1999 Soil Survey Work Planning Conference. |
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NATIONAL COOPERATIVE SOIL SURVEY CONFERENCE

The National Cooperative Soil Survey Conference is to be held June 27 through July 2, 1999 at the Holiday Inn Downtown Select Hotel Conference Center in St. Louis, Missouri. This conference has been arranged to discuss and develop solutions to issues of concern to all involved in producing soil survey information for the United States. Several representatives from Universities, Federal, State, and Local Governmental Agencies, and Private Sector have been invited to give short presentations about various aspects of the National Soil Survey. Some of the topics to be covered are as follows:

- Tools of the Trade – 100 years of exploring soil resources
- NCSS in NRCS
- Centennial Memories
- NASIS – Status and Utility
- Standing Committee Soil Taxonomy (and other standards)
- Standing Committee on New Technology
- All Day Field Trip led by Dr. Dave Hammer. The trip will visit the Cahokia Mounds State Historic site, the Mastodon State Historic Site, and the eastern Missouri Ozark landscapes. At the Cahokia Mounds State Historic Site we will view the remains of the most sophisticated prehistoric Native American Civilization north of Mexico. Studies by Archeologists and Soil Scientists have revealed much about this ancient civilization and their attempts to alter landscapes to suit their needs. We will tour the structures designed by these ancient people and discuss their accomplishments and failures. Next, we will visit Mastodon State Historic Site that is a site of extensive bone bed containing Mastodon and other Pleistocene animal remains. We will tour the visitor center and view areas of karst topography and slips initiated by extensive urbanization activities. Finally the bus will take a tour of eastern Missouri Ozark landscapes where urban expansion is taking place. The tour will view and discuss situations considered as regulations were developed for this new community.
- International Soil Survey Activities
- and many more interesting topics

Room rates are Single \$64.50 or Double Occupancy plus ~12% tax. The Airport Express Shuttle serves the hotel from the St. Louis Lambert International Airport if you plan to fly. Costs are \$10 one way or \$15.00 roundtrip.

For hotel reservations call (314) 421-4000 or (800) 289-8338.

SOIL SCIENCE TIPS FOR TAKING SOIL PROFILE PICTURES

Film and film processing are relatively inexpensive in comparison to the cost of locating a good site and taking the time to properly prepare the face of the soil profile. Therefore, after the hard work has been done, be sure to take an adequate amount of exposures. One or more rolls are not excessive.

It is recommended to bracket your image, slightly underexposing or overexposing the camera's meter reading in 1/3 to 1/2-stop intervals.

Recommended film types are Fugichrome 100, Ektachrome 100 (EB-135-24/36), and Kodachrome 64 (KR-135-24/36)

For taking soil profile pictures, carefully prepare the profile face and include the following tips.

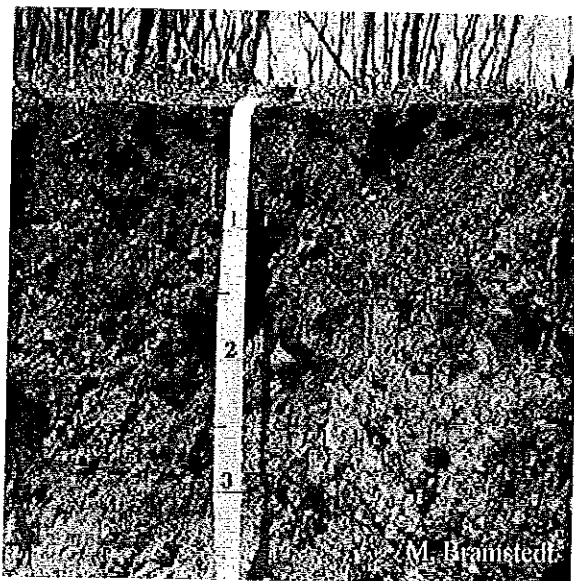
- Trim excess roots

- Make sure the prepared face is perpendicular to the angle the profile will be taken (unless you are taking stereo pairs)

- Brush or blow away dust or loose particles
- Remove knife and pick marks
- Wet the profile face and tape with a spray bottle
- When possible use a tripod to ensure the sharpest image possible.

You may want to have one side of the pit picked and the other side smooth (in equal proportions). The use of nails, shovels, knives, or any other tools to mark soil boundaries or as a scale is discouraged.

The scale tape should be on the left side of the profile, about 4 to 6 inches inside the left margin and parallel to the margin. A nail, twig, etc should hang the tape. Do not use a rock or some other item that will



show in the slide. There should be a 3 to 6 inch margin above the top of the pit.

To ensure the maximum usability of the slides, photograph the soil without a tape, with the tape in inches, and with the tape in centimeters. This will allow the slides to be used in soil survey reports, scientific journals, or other soils publications. In order that there be a consistent look to all the profiles, the use of the black photo tape issued by the Soil Survey Lab is preferred.

If you have a wide-angle lens, a 6 to 8 foot profile is about the maximum exposure if the letters on the tape are to

remain legible. If you are using a standard 50mm lens, a 4 to 6 foot profile is about the maximum exposure. Metering and focusing in the center of the pit allows for the best overall exposure. When using a wide-angle lens remember, as the height of the profile increases, the distance from the profile face must also increase to overcome distortion and the lack of sharp focus at the top and bottom of the profile. Pit or roadcut sidewalls should not be seen in the exposure. Using a flash is a good way to improve the quality of the slide in low light conditions or to remove shadows cast by overhanging trees.

Henry Mount, NRCS

ISCA COUNCIL MEETING MINUTES

APRIL 23, 1999

NRCS STATE OFFICE, CHAMPAIGN, IL

Present:

Bill Kreznor, President
Ken Anderson, President-elect
Roger Windhorn, Past President
Scott Wegman, Vice President
Charles Frazee, Treasurer
Bob Tegeler, Secretary

Mark Matusiak, Chairperson, Ethics, Certification and Membership Committee
Sam Indorante, Chairperson, Program Committee
Don Fehrenbacher, Chairperson, Public Relations and Education Committee, and Special Appointee to State Advisory Commission on Private Sewage Disposal
Lester Bushue, Chairperson, Historic Committee

The Council Meeting was called to order by President Bill Kreznor at 10:15 AM.

Secretary's Report - Bob Tegeler. The report from the last Council Meeting was approved as written. Bob contacted three of the four noncertified members who have not paid their 1999 dues. One of the members has made the dues payment. Those who have not paid their dues will no longer be members of ISCA. Bob sent membership cards to the non-certified members. He also sent a shirt order form to all ISCA members.

Treasurer's Report - Charles Frazee. The treasurer's report showed a balance of \$10,000.75 as of April 22, 1999. The Treasurer's report was approved. Charles mentioned that the American Society of Agronomy would provide a refund for the Soil Survey Horizons subscriptions to ASA members who are also ISCA members. Dues payments have been received from new ISCA members Ken Gotsch and Dennis Anthony.

COMMITTEE REPORTS

Certification Board - A letter has been sent to ISCA certified members to determine the extent of coverage in the state by certified members who are conducting onsites. Bill Kreznor discussed the reason for the letter. Charles Frazee suggested that a procedure is needed for sending the list of ISCA certified members when requested and to individual counties.

Ethics, Certification and Membership - Mark Matusiak. Four applications for membership are pending. He is

awaiting responses from the committee members regarding these applications. Mark reported that he is reviewing the soil credits of one member. It is possible that other study activities will help this member attain 15 credit hours of soils. Mark will be leaving Illinois for a position with the US Fish and Wildlife Service in Washington, D.C. He will contact Gloria Westphal to see if she would be willing to serve as the Chairperson.

Constitution, By-Laws and Legislative - No report.

Finance - Scott Wegman. No report.

Newsletter - No report. The deadline for the next newsletter is May 14, 1999.

Nominations - Roger Windhorn. No report.

Public Relations and Education Committee/Special Appointee to State Advisory Commission on Private Sewage Disposal - Don Fehrenbacher. Don handed out the schedule of the upcoming commission committee meetings. There is an emphasis on requiring strictly onsite evaluations. Don will use the ISCA certified classifier extent map to show coverage by certified soil classifiers in the state. The Conference Committee meeting on June 8, will work on possible code changes. The ISCA Council needs to be aware that possible compromises could be coming in regard to the phase in of onsite evaluations and/or in determining if certain soil properties do not need an onsite evaluation. Don emphasized that

these are only possibilities. If a vote on a particular issue should arise, Don will contact Bill Kreznor for ISCA Council input. Don reported that there is a lack of support for surface discharge systems. A uniform state code is an option. Don also mentioned that the Commission and Committee meetings are open to the public, additional ISCA members are welcome if a topic of particular interest is on the agenda. The soil display at the Field Museum was discussed. The Grand Opening of the display was an impressive event. Don felt that the display was prepared well.

Historic Committee - Lester Bushue, Earl Voss and Roger Windhorn have been assisting Les with a review of the historical records. Les mentioned that his committee would meet to determine the categories to use for organizing the records. They will try to have a display at the next summer/fall ISCA meeting.

Program - Sam Indorante. Sam reported that Bryan Fitch is serving on his committee. Sam is proposing a 2 day summer/fall program in Southern Illinois. October 8, and 9, is the first choice of dates with October 1 and 2 as a second choice. He will begin contacting possible speakers, and provide more details at the next council meeting. Sam will also begin planning for the Annual Meeting to be held in March of next year.

State Soil - Roger Windhorn reported that the Monticello High School FFA Chapter is receiving letters of support, for the state soil, from other FFA Chapters in the state. A future option could include discussions with the Farm Bureau, Orion Samuelson of WGN Radio, the State Association of Soil and Water Conservation Districts, and others. These discussions would focus on the importance of a state soil, and stress that the state soil is not a trivial matter.

Bill reminded committee chairpersons to select their committee members, and let Pat Kelsey know. This information can be placed in an upcoming ISCA Newsletter.

OLD BUSINESS

ISCA Webpage - Bill Kreznor will provide Paige Buck, Communications Specialist at the Illinois NRCS State Office, with a diskette containing the ISCA Membership Handbook. Pat will provide Paige a list of web links. A contact person is needed to insure that the information on the page is current. A permanent address for ISCA is needed, for those who respond to the webpage. A Webmaster is needed. ISCA needs to assemble the information that will be on the webpage, then determine how much management is needed and how often the updates are needed. It is possible that updates can be made quarterly or during ISCA Council Meetings. Bill will talk to Paige and Pat Kelsey to determine how much maintenance will be needed. The webmaster does not

need to be located in Champaign. Paige's son will be entering the data for ISCA.

Burt Ray Award/Outstanding Collegiate Soil Judger - Roger Windhorn will present the award during the awards ceremony at Illinois State University on May 2. It was noted that some years are not accounted for on the permanent plaque. It is possible that the award was not given those years. Lester Bushue will review the ISCA records for any information on this matter.

Illinois Conservation Congress - Bill Kreznor reported that the application for membership to the congress was submitted. On May 9, 1999, members of the congress will give a presentation discussing their organization. Pat Kelsey will give this presentation.

Ad Hoc Certification Program Committee - Bill Kreznor explained that the committee would review certification relevancy to ISCA members. Committee members have not been determined to date. Bill has contacted several potential committee members.

Letter of Financial Support for NRCS - Bill Kreznor prepared a letter that was sent to members of the Illinois Congressional Delegation. A copy was sent to council members, for their review, prior to the mailing. Roger Windhorn reported that the ISCA letter and many other letters were helpful in urging Senators to prepare a bill for additional funding. No final decisions have been made to date.

ISCA Stationary - Bill Kreznor will talk to Pat Kelsey about ordering stationary. Bob Tegeler received stationary and envelopes from Pat Kelsey, and Tonie Endres. Bob will send a supply of stationary to Bill.

SWCD Soil Classifiers Update - Roger Windhorn reviewed the status of the situation. Roger discussed the latest letter an Associate Member had received from the Department of Health. It approved the member to conduct onsites and remain in compliance with the code. A discussion ensued about possible options ISCA can take. Essentially ISCA can not do much about this situation. The person who filed the complaint on this issue may need to take action on their own, such as contacting the States Attorney. ISCA could contact the Illinois Department of Natural Resources about SWCD employees conducting onsites, while they are not certified with ISCA or ARCPACS. Bill will prepare a response letter to this member, acknowledging receipt of their letter.

Order 1 Soil Survey Standards - No report.

Soil Survey Centennial - It is anticipated that the Illinois Soil Scientists who went to Earth Day in Washington, D.C. will be submitting reports on the activities. Mark Bramstedt, Ed Workman, and Duane Williams attended the event. The National Soil Survey Conference will be held the week of June 27, 1999 in St. Louis. Lester Bushue reported that the Soil and Water Conservation Society would be honoring soil scientists at their Annual Meeting in Mississippi.

ISCA Post cards - A question arose concerning availability of the cards. Charles Frazee reported that he has a supply of the cards, for 25 cents each. It may be possible to sell the cards at the Field Museum in Chicago.

NEW BUSINESS

ISCA Shirts - Bob Tegeler reported that approximately 20-25 shirts have been ordered, based on the response to the mailing and the sign-up at the Annual Meeting.

ISCA would have to order 48 shirts to achieve the next price reduction level. As a result, a motion was passed to order 50 shirts. This would allow ISCA the opportunity to sell the additional shirts, or use them as gifts etc. Bob mentioned that the sizes seem to be running small, so the additional shirts could be used for exchange purposes.

Bob will order the shirts in the near future.

ISCA Association Profile - Bill Kreznor handed out copies of the profile. It provides information concerning ISCA's background, objectives, membership, and activities and recognition. The profile was prepared in conjunction with preparation of the application to the Conservation Congress. The profile could also be placed on the ISCA webpage.

The meeting adjourned at 12:25 PM.

The next ISCA Council Meeting will be held on June 25, 1999, at 10:00 AM, in Champaign at the NRCS State Office.

Robert Tegeler, Secretary

Summer 99



ILLINOIS SOIL CLASSIFIERS ASSOCIATION NEWSLETTER VOLUME 25 NUMBER 3

ISCA OFFICERS

President - Bill Kreznor	(815) 338-2362
President Elect - Ken Anderson	(630) 557-2705
Past President - Roger Windhorn	(217) 398-5280
Vice President - Scott Wegman	(630) 571-0353
Secretary - Bob Tegeler	(217) 846-2783
Treasurer - Chuck Frazee	(217) 628-3518
Certification Board Chair - Scott Harding	(618) 644-8171
Certification Board Secretary - Steve Suhl	(217) 498-8511
Newsletter Editor - Pat Kelsey	(630) 719-2417

The Morton Arboretum
4100 Illinois Rt. 53
Lisle, IL 60532-1293
FAX (630) 719-2433

E-mail: pkelsey@mortonarb.org

SOIL SCIENTIST OF THE YEAR

I am both honored and humbled to be the first recipient of the "Soil Scientist of the Year" during the Soil Survey Centennial Celebration.

I am honored to represent the field soil scientists of this past century who worked so hard on the most detailed natural resource inventory in the world.



And I am humbled when I think about the work that has been completed and the work that lies ahead for the National Cooperative Soil Survey. I (or should I say we) are just small pieces of a large and intricate puzzle that has been put together over the past 100 years. The pieces of the puzzle are small, but all are crucial.

What will the puzzle look like in the bicentennial year - the year 2099? No one knows for sure how technology, natural resource issues, and budget concerns will shape soil survey in the next 100 years, but one thing for certain many of the individual pieces of the puzzle will still be the field soil scientist.

With that thought in mind I would like to thank and recognize some of the key people in my career - but as I do this I want all of you to sit back and think of the key people in your careers:

I want you to first think about an undergraduate teacher or advisor who started you in the direction of soil survey. In 1975, Dr. Wayne Scholtes at Iowa State University sparked my interest in soil survey.

Next, I want you to think about the project leaders who trained you in the methods of field soil survey. I am grateful for the patient teaching of Don Phillips and Dana Grantham.



Some of us have had the opportunity to pursue graduate degrees and to take our individual knowledge of soils to another level. I was fortunate to do my graduate work under the guidance of Dr. Ivan Jansen at the University of Illinois and Dr. David Hammer at the University of Missouri.

Next I want you to think about supervisors or administrators who gave you the opportunity to grow and excel in your job. In my case the individuals were Earl Voss and Bob McLeese, the NRCS State Soil Scientists during my soil survey career in Illinois.

It is no coincidence that all of the people I mentioned were field soil scientists. And this is as it should be — for if soil survey is to serve the public into the next century it must continue to grow as a field science. And I want to emphasize that growing as a field science includes the incorporation of new technologies and the incorporation of related disciplines to enhance and enrich field soil survey.

There is one more group I want you to think about - your colleagues. The people you work with day in and day out. My colleagues in Illinois, the Midwest, the MO Office and the National Office, and my team in the Carbondale MLRA Office - the have all been willing teachers and eager to learn students. Just as we were taught and mentored - it is now our turn to do the teaching and mentoring. This in essence is how soil survey is passed on from generation to generation. This is how soil survey will survive and flourish in the 21st Century!

Thank you for this honor.
Samuel Indorante

From the Classifiers

On behalf of the Illinois Soil Classifiers Association we would like to congratulate you on this wonderful honor.

Pat Kelsey and Tom Hanzely, Newsletter Staff
Illinois Soil Classifiers Association

UPDATE ON ADVISORY COMMISSION FOR SEPTIC DISPOSAL

The committees and the commission as a whole are meeting on a regular basis. The hope is that a revised state code will be ready for the spring session of the legislature. Each county will have the option of choosing the soil evaluation or perc test method. The major breakthrough is the acceptance that the seasonal high water table needs to be determined if the perc test option is used. This may be determined, by trained septic installers, however, if the site has a shallow water table or something other than a standard system is installed, a soil classifier shall be required. Also there is a consensus that surface discharges should only be used as a last resort. Although this appears to be a compromise, it is a major step forward. Any questions or comments should be directed to Don Fehrenbacher.

Don Fehrenbacher, Chairperson, Public Relations and Education Committee, and Special Appointee to State Advisory Commission on Private Sewage Disposal

SOIL CLASSIFIER FOLLOW-UP SURVEY

Thank you for your responses to the initial survey of soil classifiers and their service areas in Illinois. The Certification Board and Public Relations and Education Committee will be sending out a more formal survey. The first survey, with a little help from Indiana, indicated that there are enough classifiers to meet the needs of a revised Illinois Sewage Code. (A special thanks goes to Les Bushue for providing the Indiana list to Don.)

Now we need to go on record and provide to IDPH and county health departments an official list. Classifiers in adjacent states will be included in the survey. Eventually the list will be on ISCA's planned web page or a brochure. Be looking for the survey in the mail and respond in a timely fashion. If you have any questions call Jim Hornickel, Steve Suhl, or Don Fehrenbacher.

Don Fehrenbacher, Chairperson, Public Relations and Education Committee, and Special Appointee to State Advisory Commission on Private Sewage Disposal

TONIGHT'S TOP TEN

The top ten reasons to attend the ISCA 1999 Fall Meeting.

10. Free lunch compliments of ISCA featuring World Championship Bar-B-Q.
9. CPSCs can complete one-eighteenth of their CEU requirement.
8. Two days of socializing with other dynamic personalities in Soil Science.
7. Experience the marvelous sights and sound of early fall in Southern Illinois.

6. Win one of several lavish door prizes to be awarded simply for showing up.
5. No doubt about it – the persimmons will make you pucker.
4. Find out what INAGAH means.
3. Finally pick up and wear your complimentary ISCA hat. It looks great with the matching shirt that, by the way, you will be able to purchase either day.
2. Show support for your professional association and an interest in career-related activities.

And the number one reason to attend the ISCA 1999 Fall Meeting.

1. Your President commands you!!!!

I hope all receiving this newsletter will seriously consider attending. I look forward to seeing many of you there.

Bill Kreznor, CPSC, President ISCA

1999 FALL MEETING

The ISCA 1999 Fall Meeting will be held Friday October 1 and Saturday October 2 in the Shawnee National Forest. We are encouraging members and their families to attend this informal two-day meeting. Also, encourage other interested individuals to attend.

AGENDA

- Friday**
5:30pm Gather at Giant City Lodge in Giant City State Park.
Cash Bar
6:00pm Dinner (\$11.00/person)
7:00pm Speakers
Joe Devera, Geologist, ISGS, Carterville, IL
Geologic History of the Unglaciated Region of Southern Illinois
Max Hutchinson, Ecologist, The Nature Conservancy, Ullin, IL
The Natural History of Illinois
8:00pm Saturday Field Trip Directions and Overview.
Drawing for attendance prizes.
- Saturday**
7:45am Gather at Murphysboro Ranger Station for caravan tour of INAGAH (Restoration Project) and Oakwood Bottoms. Both sites are in the Mississippi River Valley. Tour guides will be Terry Wachter, Soil Conservationist, USDA-NRCS, Vienna, IL, Bryan Fitch, Soil Scientist, USDA-FS, Vienna, IL, and Richard Miller, District Conservationist, USDA-NRCS, Anna, IL.
11:30am Lunch (Compliments of ISCA – catered by past World BBQ Champions “17th Street BBQ” of Murphysboro, IL) at Murphysboro State Park. Drawing for attendance prizes.
1:00pm Adjourn



ACCOMMODATIONS

Everyone is on his or her own for overnight accommodations. Following are some choices.

CAMPING

Giant City State Park 618-457-4836

Murphysboro State Park 618-684-2867

MOTELS

Super 8 – Carbondale 618-457-8822 (\$40 sgl, \$48 dbl)

Best Inn – Carbondale 618-529-4801 (\$39 sgl, \$42 dbl)

Comfort Inn – Carbondale 618-549-4244 (\$65 sgl, \$75 dbl)

Ramada Inn Limited – Carbondale 618-351-6611 (\$74 all rms)

MAPS

Location map for motels, Giant City State Park, Murphysboro Ranger Station, and Lake Murphysboro State Park are attached. A guidebook with maps for the Saturday tour will be provided at the Friday evening tour overview.

PDH'S (CONTACT HOURS)/CEU'S

3 PDH' for Friday Evening Session

3 PDH's for Saturday Field Trip

ISCA CEU's 0.25 Category A.3 for Friday Evening Session

ISCA CEU's 0.25 Category A.3 for Saturday Field Trip

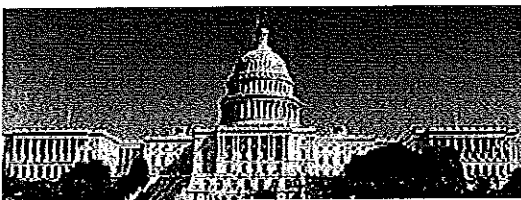
QUESTIONS

If you have any questions about locations, accommodations or sites of interest please contact Sam Indorante at (618) 453-5577.

PROGRAM COMMITTEE

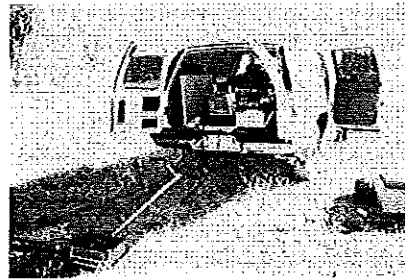
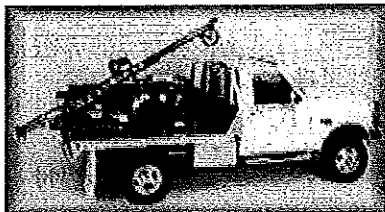
Sam Indorante, Soil Scientist, USDA-NRCS, Carbondale, IL, Bryan Fitch, Soil Scientist, USDA-FS, Vienna, IL, and Scott Martin, District Conservationist, USDA-NRCS, Murphysboro, IL

SOIL SURVEY CELEBRATION IN DC



This past April, 35 soil scientists representing many states around the nation gathered

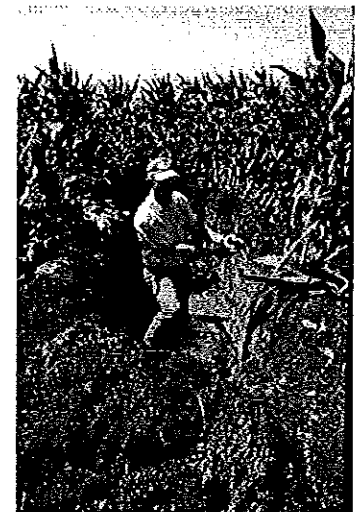
for a public celebration of the Soil Survey Centennial in Washington, D.C. NRCS and partner organizations sponsored this 2-day event. It was held to recognize three occasions: Earth Day 99, Ag and the Environment, and the Soil Survey Centennial. Illinois was represented by Ed Workman and Dwayne Williams from the Carbondale MLRA office and Mark Bramstedt, Resource Soil Scientist from Watseka. Four exhibitor tents were set up on the Mall directly in front of the USDA building and between the Washington Monument and the Capitol. One tent was solely for the Soil Survey Centennial. Exhibits were also displayed outside the tents. Ed and Dwayne drove their



Museum and a demonstration of ground penetrating radar, staffed by James Doolittle.

The Soil Survey Centennial tent had several exhibits and hands-on activities for the visitors. One very popular exhibit, which was developed by a soil scientist from Massachusetts, was the Soil Tunnel. Children and adults lined up to crawl through the tunnel and experience the soil from the perspective of an earthworm. Visitors made "soil art" by using crayons that were created from different colored soils mixed with wax. There were displays of how water moves through soil, the properties of different soil textures, how soil texture affects capillary flow, and how the soil survey is used in a Geographic Information System. Visitors also had the opportunity to make their own soil profile. Other exhibits included a demo of "Soil Explorer" (similar to Illinois' Soil View), a mineralogy display, a micromorphology slide presentation, a soil quality display, displays of various soil maps, photos of honored soil scientists (Marbut, etc.), and posters of the soil orders (enlargements of the pictures from this year's calendar).

The centerpiece to the centennial exhibit was entitled "America's Soil Diversity". It was an awesome display of soil monoliths from every state and territory in the nation. The monoliths showed the beauty and variety of soils across the U.S. and made a very impressive site. All the states and territories submitted a monolith (either their state soil or the proposed candidate for state soil) by using the same procedure and mounting process so that the display would be uniform in appearance. Each monolith was approximately four feet long and one foot wide and was mounted on a wooden frame. (The University of Illinois Ag Mechanics Club made both the collection frames and the display frames as a fund-raiser. Bob McLeese facilitated the distribution of the frames and the procedure across the U.S.) The name of the soil, the taxonomic classification, and the name of the state were on a placard at the top of the monolith. A fact sheet about each soil was hung at the base. Illinois (soils) was represented by a monolith of the Drummer soil. It had been prepared by Ken Gotsch, Roger Windhorn, Bob McLeese, and Mark Bramstedt. Most visitors wanted to find the soil from



their home state. This presented us with a wonderful opportunity to talk about soil properties, the differences in soils, and the need for detailed soil information.

The first day of the celebration was blessed by a wonderful and warm Spring day. The event was attended by several hundred school children and by many of the visitors to the Capitol City. It was also "Bring-Your-Child-To-Work Day", so many employees from the nearby offices and museums brought their child to the exhibits. USDA Secretary Dan Glickman and NRCS Chief Pearlre Reed were among the notable dignitaries that came to show their support. We had a wonderful opportunity to share the message of soil conservation and the need for reliable soil information. Unfortunately, the second day brought clouds, rain, and cool weather, which kept away many of the visitors. In addition, it was the 50th anniversary of NATO and all the federal offices and much of the downtown area were closed for security reasons. However, it was not a total washout, because the soil scientists enjoyed the camaraderie and interaction with their peers from other parts of the country. Lots of varied experiences and stories were shared and I realized the many advantages of being a soil scientist in Illinois. The whole experience was extremely rewarding. Thank you's go to Jim Ware from the Soil Survey Division national office for coordinating the event and Bill Gradle, State Conservationist and Bob McLeese, State Soil Scientist for allowing us to participate in the celebration.

Mark W. Bramstedt

CONSERVATION CONGRESS

A delegate and an alternate represent ISCA in the Illinois Conservation Congress. Pat Kelsey is the delegate and Roger Windhorn is the Alternate. Conservation Congress provides an opportunity for resource and recreation based organizations to provide input into the operations and priorities of the Illinois Department of Natural Resources. ISCA applied to be an automatic statewide delegate but we were not selected because other resource organizations were unaware of our existence. We are now working to become a regional delegate elected to the full congress. The automatic statewide delegates are listed below in the participating organizations section. There are a number of organizations on that list that are equal to or smaller than ISCA. One reason they were selected is that they are seen as statewide conservation leaders. We need to get involved with resource issues in the same manner that we became involved in public health. The Conservation Congress is a start! If you have ideas for the Congress, please contact Roger or myself and we will make sure your voice is heard.

Pat Kelsey

MISSION AND GOALS OF THE CONSERVATION CONGRESS

Mission Statement

The mission of the Illinois Conservation Congress shall be to propose and advocate actions that can be taken by elected and appointed officials to protect and conserve the natural resources of the State of



Illinois, and ensure through professional management that sustainable use, recreational opportunities and enjoyment of these resources is available for this and future generations.

The Challenge

The Illinois Department of Natural Resources is a diverse, multi-disciplined state agency with an equally diverse constituency. Each core constituency often competes for the allocation, use, or preservation of our natural resources. Management decisions affecting these resources typically compound constituent conflicts, i.e., preservation versus recreational opportunity. A structured stakeholder process called the "Conservation Congress" was developed in 1993 to enable the Department to make better decisions which more accurately reflect the needs and interests of this diverse constituency. Recommendations from the Conservation Congress have vastly improved state government and its stewardship of our natural resources.

GOALS

Develop constituent recommendations of ideas, solutions and initiatives for natural resources issues in Illinois.

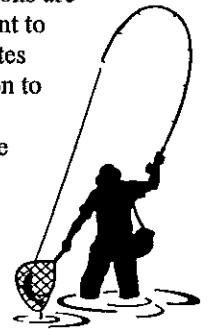


Constituents should have a say in Department decisions and actions that affect their livelihood. Conservation Congress provides a structured process where constituents develop and advance recommendations which

reflect their needs and interests. All issues considered by the Conservation Congress must originate from regional caucuses where they are openly debated; prioritized, and where challenges and possible solutions are identified.

Develop consensus and improve communication among constituent groups.

Regional caucuses are where constituent coalitions are built and nurtured. Caucus participants who want to advance their issues to the Assembly of Delegates must look beyond the needs of their organization to work toward the benefit of many. The recommendations to resolve these issues may be as complex as new initiatives or as simple as taking a different approach to an existing program or service. Regardless, the open communication of ideas and beliefs, unencumbered by administrative barriers and program limitations is integral to this process.



The Conservation Congress offers a structured process in which constituent groups (the people who use and enjoy our natural resources) have an opportunity to meet and discuss their needs and desires regarding Illinois' natural resources, and through these discussions, develop solutions to common problems that each group faces. Taking your organization's ideas and developing them into recommendations that other constituents can support is a rewarding experience. Regional caucuses and work teams provide the forums to do this and for constituents to communicate, i.e., "listen and learn" about issues and other points of view. Constituent coalitions built within the Conservation Congress stimulate a greater commitment to the decision or recommendation on the part of policy makers.

Communicate the interests of constituents.

Throughout the process (regional caucuses, work teams and the Assembly of Delegates) constituents are mindful of developing a final "product"--recommendations which not only present an issue, but identify challenges and define a solution that the majority of delegates can support. The Conservation Congress Executive Committee encourages implementation of the approved recommendations monitors their progress and informs constituent groups. Conversely, constituents are encouraged to attend Executive Committee meetings to provide feedback from their respective organization membership to committee members.



Inform policy makers of constituent issues.

This goal is the essence of the Conservation Congress mission statement. The responsibility to meet this goal largely rests with the Conservation Congress Executive (steering) Committee. The committee is charged in the Bylaws to represent the interests and recommendations of the Conservation Congress.

The Department of Natural Resources also is responsible for informing policy makers about the recommendations of the Conservation Congress. In fact, the Director appoints the Constituency Liaison as a member of the Conservation Congress Executive Committee. Following each Assembly of Delegates, the approved recommendations are presented to the DNR Director, the Governor's Office and members of the General Assembly.

Provide constituents with the information they need to participate in a meaningful way.

At the beginning of each new cycle, a major effort is undertaken by the Department to recruit and train constituents about the program and what to expect from the process. At the outset, training or proficiency testing is required of all constituents credentialed to participate in the Conservation Congress. This training is incorporated into the first two regional caucuses. Each constituent is provided a training manual which explains the process and participant responsibilities. Constituents are instructed to stay active throughout the process by participating on work teams and communicating with delegates elected to represent their interests.

Seek out and facilitate the involvement of those potentially affected.

The formula used to develop each Congress recommendation requires participants to develop an "Analysis of Need." The analysis requires a statement of need, and information to support the proposed recommendation's fiscal impact and estimates of DNR staff resources. Further, the analysis requires participants to identify the proposal's positive and negative outcomes and potential proponents and opponents of the measure. Work teams identify each recommendation's links to other teams, government agencies and affected parties. Persons



are invited to provide expert testimony over two days of deliberations during the Assembly of Delegates.

Communicate to participants how their input affects decisions.

Following each Assembly of Delegates, the Department publishes its "Analysis of Recommendations." The analysis identifies the Department's responses and actions to each of the proposals passed by the Conservation Congress. Copies of the analysis are provided to the policy makers of Illinois and program participants. Distribution of the "Analysis of Recommendations" is followed by an informational caucus. The caucus provides delegates with the opportunity to meet with teams of Department personnel to review and ask questions regarding the status of the recommendations. Delegates can then provide valuable feedback to their organizations and regional constituents. In this way, constituents know why some recommendations failed or were not implemented. This information is important if the issue is reintroduced during the next cycle.

STATEWIDE ORGANIZATIONS PARTICIPATING IN THE CONSERVATION CONGRESS

- American Fisheries Society
- Association of Illinois Soil and Water Conservation Districts
- Audubon Council of Illinois
- Chicago Botanic Garden
- Environmental Education Association of Illinois
- Field Trial Clubs of Illinois
- Illini Muskies Alliance
- Illinois Association of Conservation Districts
- Illinois Association of Park Districts
- Illinois Association of Resource Conservation and Development Areas
- Illinois Association of Snowmobile Clubs, Inc.
- Illinois Bass Federation
- Illinois Bowhunter Society
- Illinois Council of Convention & Visitors Bureaus
- Illinois Ducks Unlimited
- Illinois Environmental Council
- Illinois Farm Bureau
- Illinois Federation for Outdoor Resources
- Illinois Forestry Development Council
- Illinois Groundwater Association
- Illinois Lake Management Association
- Illinois Native Plant Society
- Illinois Paddling Council
- Illinois Park and Recreation Association
- Illinois Society of American Foresters
- Illinois State Chapter of National Wild Turkey Federation
- Illinois State Rifle Association
- Illinois Sustainable Agriculture Society
- Illinois Taxidermist Association
- Illinois Trail Riders
- Illinois Trappers Association
- Illinois Waterfowlers Alliance
- Izaak Walton League of America, Illinois Division
- League of Illinois Bicyclists
- Migratory Waterfowl Hunters, Inc.
- National Bowhunter Education Foundation, Illinois Chapter

Natural Land Institute
 Northern Illinois Anglers Association
 Openlands Project
 Pheasants Forever
 Rivers Project
 Salmon Unlimited
 Save the Prairie Society
 Sierra Club, Illinois Chapter
 The Nature Conservancy
 The Wildlife Society, Illinois Chapter
 U.S. Power Squadrons
 Whitetails Unlimited

**A MESS IN MASSACHUSETTS
 MASSACHUSETTS SOIL EVALUATOR CERTIFICATION
 PROBLEMS**



Recently, while I was at the Chicago Field Museum, I had a discussion with a geologist from Massachusetts. He informed me of the Soil Evaluator certification in Massachusetts and claimed that soil

scientists are not qualified to obtain this certification. It seemed unbelievable to me, so I inquired with a friend of mine, Meredith Ashworth, who is an NRCS soil scientist in Mass. This is her response.

"The 'Soil Evaluator' certification you heard about is true. In order to even take the exam, you have to be either: a Board of Health agent (an elected position, BOH agents could be from any walk of life, artists, welders, bankers), an engineer, or a sanitarian. There is a five-day training course followed by a written and a field exam. I am very familiar with the program since I have been a field instructor for the past 5 years, administer the exam and correct the written exams. The other instructors are Jim Turenne, Peter Fletcher and Peter Veneman. Although the course is given by soil scientists, we ourselves cannot become soil evaluators. Certification as a soil evaluator is necessary to design, site, inspect, and determine suitability for all septic systems in the State. It is ridiculous, the way the code was written, for several parameters, and the Society of Soil Scientists has been in opposition the whole time (the code is in its 6th year), and we are currently battling it as well. As an NRCS soil scientist it doesn't detract from my business, but consultants have been hit hard. Actually, it keeps me busier- there are 2-3 rounds of instruction per year, each session with approx. 40 individuals, 3-4 backhoe pits per day for the 3 field days each session, then there's site selection, landowner permission, correcting exams, digging, cleaning & securing the pits, instruction, exam preparation, etc. It takes up a lot of mapping time per year, but I do enjoy relaying the information- It's better than it was before, when soils weren't even looked at by these individuals. It is a step in the right direction, believe it or not. Soil Scientists already know the info; the idea was to get other professionals who work with septic familiar with soil criteria for determining seasonal high water tables, etc. The only problem is the exclusion the code created- Soil scientists should be

grandfathered in. Hell- I have my master's degree in soils and I can't be a Mass. soil evaluator. But, they sure don't mind me teaching the course! Anyway, overall it is promoting the use of soils in the State and creating a respect for the Science. So, it's a regular politics situation: Pros & cons."

This mess in Massachusetts emphasizes the need for ISCA to stay active in the political arena and to stay involved with the Illinois Department of Public Health, local health departments, sanitarians, and septic contractors. This is true for private consultants and NRCS employees, as well. Even though many of us are NRCS employees, there will come a day when we will retire and possibly enter the consultant ranks. We need to insure that any legislation that is passed dealing with soil evaluations, either locally or statewide, is reasonable and considers the expertise of a soil classifier.

Mark Bramstedt

ILLINOIS URBAN MANUAL REVISIONS AVAILABLE

Our records indicate that you received a copy of the *1995 Illinois Urban Manual* from this office. The first revision to the manual is now available in hard copy. This revision consists of complete rewrites of the first three sections, three new and four revised practice standards, and ten new or revised standard drawings. A digital copy of the revision is also available via the NRCS Illinois Homepage at www.il.nrcs.usda.gov under 'Manuals'.

The purpose of this memo is to notify you that the revision is available and to ask if you would like to receive a hard copy. The revisions are \$10.00. Quantities are limited, so if you wish to receive one please contact this office at your earliest convenience. If you do not wish to receive the hard copy and will be downloading the revisions from the Internet no response is necessary.

The Natural Resources Conservation Service (NRCS), working through the State Community Assistance Committee and its regional workgroups, are continuing the work to revise and expand the practice standards, construction specifications, material specifications, and standard drawings contained within the *Illinois Urban Manual*. You are encouraged to continue to check the Illinois NRCS Homepage to keep abreast of the future revisions.

If you have any questions about this revision, or the manual in general, please contact Kent Sims or Rick Woodford at the NRCS Chicago Metro Urban and Community Assistance Office at 630.505.7808 or through email at kent.simms@il.usda.gov or rick.woodford@il.usda.gov.

**ILLINOIS COOPERATIVE SOIL SURVEY
 ANNUAL PLANNING CONFERENCE**

An Illinois Cooperative Soil Survey Annual Planning Conference will be held on Thursday, September 16, 1999 at Best Western Gateway Inn in Monticello (Monticello Market Street Exit, I-72). The purpose of the conference is to bring our cooperators and other soil survey supporters up-to-date on soil survey activities in the state.

The USDA Natural Resources Conservation Service will be hosting the conference this year. We will convene at 9:30 a.m. at the Best Western Gateway Inn, Monticello, IL.

Please note that we are continuing our soil survey discussion on Thursday afternoon. After lunch on Thursday, we will reconvene to celebrate the Soil Survey Centennial. We have an interesting program scheduled and hope that you will attend. You are also welcome to attend the Soil Survey Workshop on Friday, September 17. If you plan to attend the Thursday evening banquet, please send a \$15.00 check (payable to Bob McLeese) to Jeanie McConkey, 1902 Fox Drive, Champaign, Illinois 61820 by September 10, 1999.

We will be looking for input from the group on soil survey related issues that need to be addressed this next year. Come with ideas.

TENTATIVE AGENDA

THURSDAY, SEPTEMBER 16, 1999

Cooperative Soil Survey Annual Planning Conference (9:30 to 12:00 Noon)

Convene/Opening Remarks

- Bill Gradle, State Conservationist, NRCS

State Reports by Cooperators

- USDA-NRCS
- UI Ag Experiment Station
- IDOA
- ISGS
- IDOT
- CES
- AISWCD
- USFS
- ISCA

Discussion

- Plan to Update and Digitize
- NDOP
- Standards and Specifications for High Intensity Soil Survey

Comments

Lunch (12:00 Noon to 1:00 p.m.)

Soil Survey Centennial Celebration (1:00 p.m. to 4:00 p.m.)

Convene/Opening Remarks

- Bill Gradle, State Conservationist, NRCS, Joe Hampton, Director, IDOA

- Soil Survey in Illinois
 - Don Holt, Senior Associate Dean, UI
- Soil Survey in Illinois
 - Earl Voss, retired State Soil Scientist
- Making the Illinois Cooperative Soil Survey a cooperative soil survey
 - Jim Frank, former Superintendent, Division of Natural Resources, IDOA
- Lake County Innovations
 - Dick Hilton, GIS Manager, Lake County
- Illinois' State Soil
 - Monticello High School FFA

- SoilView
 - Tom D'Avello, Soil Scientist
 - The Cypress Quad
 - Jon Bathgate, Soil Resource Analyst
- Social Hour (5:30 p.m. to 6:30 p.m.)
Banquet (6:30 p.m. to 8:30 p.m.)

FRIDAY, SEPTEMBER 17, 1999

Soil Survey Workshop (8:00 a.m. to 2:30 p.m.)

- Word of Wisdom
 - NHQ
 - NSSC
 - MO's
- The Urban experience/needs
 - Don Fehrenbacher, Resource Soil Scientist, Mark Bramstedt, Resource Soil Scientist
- Par for the Course
 - Sam Indorante, Soil Survey Project Leader
- Bathmaster
 - Tom D'Avello, Soil Scientist, Roger Windhorn, Soil Scientist
- Landscape Classification
 - Jon Bathgate, Resource Analyst
- Veris 3100
 - Roger Windhorn, Soil Scientist
- NRI
 - Steve Zwicker, Resource Soil Scientist, James Johnson, Resource Inventory Specialist
- NASIS
 - Mack Hodges, Soil Scientist
- Order 1 Soil Survey
 - Bob McLeese, State Soil Scientist, Ken Gotsch, Resource Soil Scientist
- Carbondale MLRA
- Charleston MLRA
- Naperville MLRA
- Rock Falls MLRA
- Springfield MLRA
- Endo saturation vs. Epi saturation
 - Bob Tegeler, Soil Survey Project Leader
- Trails and Tribulations of Map Recompilation
 - Panel Discussion
- Politics of Soils
 - Bob McLeese, State Soil Scientist

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

Certified Professional Soil Classifiers

August 31, 1999

Name	Address	City	State	Zip	Phone	Practice
Kenneth N. Anderson	47W990 Lasher Rd.	Elburn	IL	60119	630-557-2705	Gov't/Private
Gerald V. Berning	2811 Brown Street	Alton	IL	62002	618-465-9336	Gov't
Mark W. Bramstedt	USDA-NRCS 1001 E. Grant St. Suite A	Watseka	IL	60970	815-432-6639	Gov't
Paul E. Brown	215 W. Washington St.	Pontiac	IL	61764	815-842-2042	Private
Lester J. Bushue	1911 Scottsdale Dr.	Champaign	IL	61821	217-359-7447	Private
Laura L. Craven	761C Columbine Village Dr.	Woodland	CO	80863	719-686-9408	Gov't
Robert G. Darmody	1305 Weathervane	Champaign	IL	61281	217-359-7447	Private
John C. Doll	1702 Harrington Dr.	Champaign	IL	61821	217-398-3040	Gov't
Tonie J. Endres	Physical Science Bldg. Room 232	Charleston	IL	61920	217-581-7873	Gov't
Donald Fehrenbacher	USDA-NRCS 1201 S. Gougar Rd.	New Lenox	IL	60451	815-462-3106	Gov't
Charles J. Frazee	65 Gaffney Road	Divernon	IL	62530	217-628-3518	Private
Douglas B. Gaines	8611 Wieseman Rd.	Worden	IL	62097	618-459-8619	Private
Dana R. Grantham	9238 N. 15 th Ave.	Butler	IL	62015	217-532-5285	Private
Scott D. Harding	9833 Lower Marine Rd.	Marine	IL	62061	618-644-8171	Private
James K. Hornickel	104 Cornell Dr.	Normal	IL	61761	309-862-2500	Gov't
Bruce J. Houghtby	4314-A Crystal Lake Rd.	McHenry	IL	60050	815-344-4020	Private
Samuel J. Indorante	615 Wedgewood Lane	Carbondale	IL	62901	618-529-3586	Gov't
Patrick D. Kelsey	711 Wilder St.	Aurora	IL	60506	630-896-2909	Univ/Private
Linus M. Kiefer	103 Wilson Dr.	Watseka	IL	60970	815-432-5741	Private
Mary A. Kluz	1797 Iron Springs Rd. Box 385	Franklin Grove	IL	61031	815-456-3333	Private
William R. Kreznor	904 Powers Rd.	Woodstock	IL	60098	815-338-2362	Private
Emil E. Kubalek	3408 56 th Street Place	Moline	IL	61265	309-797-3208	Private
Gary W. Lenz	3925 JJ Road	Waterloo	IL	62298	618-939-4986	Private
Michael E. Lilly	214 Dublin Court	Brandon	MS	39047	601-992-2562	Gov't
William McCauley	1571 Club Rd.	Carterville	IL	62918	918-992-2562	Gov't
Mark S. McClain	Soil Horizons, Inc. 1300 Drawbridge Lane	Lafayette	IN	47905	800-288-7645	Private
Robert L. McLeese	1076 Bucks Pond Rd.	Monticello	IL	61856	217-762-7697	Gov't
Clifford C. Miles	510 Keane Lane #1	Terra Haute	IN	47803	812-877-2225	Private
Robert P. Oja	1143 N. Seminary Ave. Box 168	Woodstock	IL	60098	815-338-0099	Private
John R. Pearse	309 S. State Hwy 1	West Union	IL	62477	217-279-3651	Gov't
Bruce R. Putman	1200 Portage Lane	Woodstock	IL	60098	815-338-6218	Private
David B. Rahe	828 S. Oak Street	Hillsboro	IL	62049	217-532-6887	Gov't
J. Wiley Scott	411 N. Dorchester Dr.	Mahomet	IL	61853	217-586-4233	Private
Martha E. Sheppard	RR 2	Pearl	IL	62361	217-829-4409	Gov't
Todd A. Soukup	1907 West Lockport Rd.	Plainfield	IL	60544	815-439-6774	Private
Randy E. Stanley	8034 S. State Rd. 157	Clay City	IN	47841	812-939-2774	Private
Steven E. Suhl	101 Deer Creek Rd.	Rochester	IL	62563	217-498-8511	Gov't
John P. Tandarich	28045 N. Ashley Cir. Suite 101	Libertyville	IL	60048	47-918-0888	Private
Earl E. Voss	4009 Farhills Dr.	Champaign	IL	61822	217-352-3089	Private
Donald D. Walker	1641 E. County Road 1800	Carthage	IL	62321	217-352-3089	Private
Scott W. Wegman	2000 York Rd. Suite 130	Oak Brook	IL	60521	630-571-0353	Private
Benny J. Weiss	7555 Walnut Grove Rd.	Harrisburg	IL	62946	618-252-4292	Private
Gloria J. Westphal	31849 117 th Street	Twin Lakes	WI	53181	414-252-4292	Gov't
Roger D. Windhorn	1902 Fox Dr.	Champaign	IL	61820	217-398-5280	Gov't
Steven E. Zwicker	772 Mayfair Dr. RR 6	Priceton	IL	61356	815-875-2279	Gov't

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

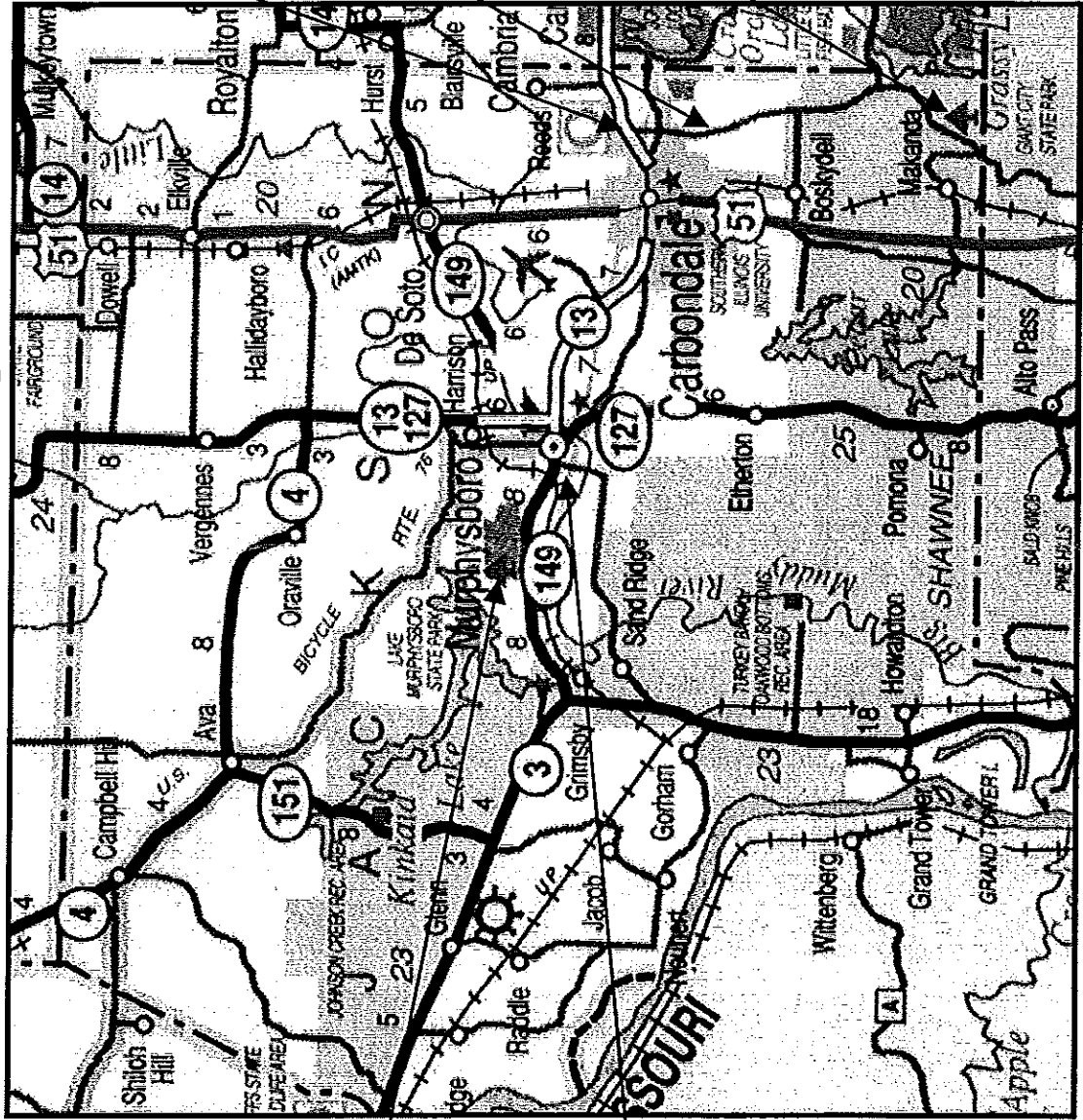
Member List August 31, 1999

Name	Address	City	State	Zip	Phone
John Alexander	2607 Melrose Dr.	Champaign	IL	61820	
Kenneth Anderson Jr.	47W990 Lasher Road	Elburn	IL	60119	630-557-2705
Dennis Anthony	4833 Owen Center Rd.	Elburn	IL	60119	
Gerald Berning	2811 Brown Street	Alton	IL	62002	618-465-9336
Mark Bramstedt	USDA NRCS 1001 W. Grant Street, Suite A	Watseka	IL	60970	815-432-6639
Jeff Brewbacker	2741 Lake Ave	Wisconsin Rapids	WI	54494	715-424-3445
Paul Brown	15683 N. 1100 E. Rd.	Pontiac	IL	61764	815-844-3035
Lester Bushue	1911 Scottsdale Drive	Champaign	IL	61821	217-359-7447
Dale Calsyn	117 Laurie Lane	Oswego	IL	60543	630-554-3965
Paul Chase	Chase Environmental Services, Inc. 3900 S. Mulford Rd.	Rochelle	IL	61068	815-562-6783
Wilber Chrudimsky	107 Veronica Way	Normal	IL	61761	309-452-4268
Chris Cochran	4542 W. Lord Redman Loop	Tucson	AZ	85741	520-744-4098
Ron Coilman	200 W. Madison Ave.	Charleston	IL	61920	217-345-2054
Tom Copenhaver	1110 Beverly Dr.	Lake Villa	IL	60046	847-265-6042
Clement Coulombe	9005 Ledge Lane	W. Olive	MI	49460	616-738-1585
Laura Craven	761C Columbine Village Dr.	Woodland Park	CO	80863	719-686-9408
Robert Darmody	1305 Weathervane	Champaign	IL	61281	217-359-8501
Tom D'Avello	108 McKinley Dr.	Mahomet	IL	68153	217-586-5011
Jeff Deniger	2 S. 621 Wembly	Warrenville	IL	60555	630-393-3713
John Doll	1702 Harrington Drive	Champaign	IL	61821	217-398-3040
Darryl Einhorn	Village of Barrington Hills 112 Algonquin Rd.	Barrington Hills	IL	60010	847-551-3003
Tonie Endres	Physical Science Bldg. Rm. 232	Charleston	IL	61920	217-581-7873
Donald Fehrenbacher	USDA NRCS 1201 S. Gouger Rd.	New Lenox	IL	60451	815-462-3106
Bryan Fitch	604 S. 8th St.	Herrin	IL	62948	618-942-5837
Leon Follmer	808 Vista Dr.	Savoy	IL	61874	217-359-2090
Charles Frazee	65 Gaffney Road	Divernon	IL	62530	217-628-3518
Douglas Gaines	8611 Wieseman Road	Worden	IL	62097	618-459-8619
Kenneth Gotsch	RR 3 Box 246	Shelbyville	IL	62565	217-774-5182
William Gradle	3803 Deerfield Rd.	Champaign	IL	61821	217-359-3803
Dana Grantham	9238 N. 15th Avenue	Butler	IL	62015	217-532-5285
Gary Greenwood	9026 Blue Ridge Road	Alton	IL	62002	618-372-3380
Karla Hanson	3022 Waters Edge Circle	Aurora	IL	60504	630-505-7819
Tom Hanzely	23 Forest Hill Dr. #103	Glen Ellyn	IL	60137	630-469-2956
Scott Harding	9833 Lower Marine Road	Marine	IL	62061	618-644-8171
Clayton Heffter	826 Burnham Ln.	Batavia	IL	60510	630-879-3418
James Hronickel	104 Cornell Drive	Normal	IL	61761	309-862-2500
Bruce Houghtby	4313A Crystal Lake Road	McHenry	IL	60050	815-344-4020
Thomas Humphreville	705 Moraine Ct. Apt. 201	Virginia Beach	VA	23455	757-493-9389
Samuel Indorante	615 S. Wedgewood Lane	Carbondale	IL	62901	618-529-3586
Jane Johnson	602 W. Quincy	Griggsville	IL	62340	217-833-2049
Dennis Keene	601 E. Pennsylvania	Urbana	IL	61801	217-337-1830
Linus Keifer	103 Wilson Drive	Watseka	IL	60970	815-432-5751
Patrick Kelsey	711 Wilder Street	Aurora	IL	60506	708-896-2909
Albert Klingebiel	2413 Countryside Dr.	Silver Springs	MD	20905	
Mary Kluz	1797 Iron Springs Rd, Box 385	Franklin Grove	IL	61031	815-456-3333

Name	Address	City	State	Zip	Phone
Michael Konen	NIU Dept of Geography 118 Davis Hall	Dekalb	IL	60115	815-753-6849
William Kreznor	904 Powers Road	Woodstock	IL	60098	815-338-2362
Emil Kubalek	3408 56th Street Place	Moline	IL	61265	309-797-3208
Michael Kuhn	929 Hickory St.	Waukegan	IL	60085	708-249-1509
Carol Latowski	Box 397 231 Baldwin	Sharon	WI	53585	414-736-9458
Gary Lenz	3925 J J Road	Waterloo	IL	62298	618-939-4986
Michael Lilly	214 Dublin Court	Brandon	MS	39047	601-992-2562
Charles Love	2311 Fullerton DR.	Indianapolis	IN	46214	317-243-2997
Rex Mapes	41 Highmeadows Circle	Powell	OH	43065	740-548-6788
Scott Martin	2031 Cochran Rd.	Murphysboro	IL	62966	618-687-2513
Mark Matusiak	707 S. Second St.	St. Charles	IL	60174	630-513-6113
William McCuahey	1571 Club Road	Carterville	IL	62918	618-438-5872
Mark McClain	Soil Horizons, Inc. 1300 Drawbridge Lane	Lafayette	IN	47905	765-449-1665
Robert McLeese	1076 Bucks Pond Road	Monticello	IL	61856	217-762-7697
Pat McNulty	McHenry Co. Dept. of Health 2200 N. Seminary Ave.	Woodstock	IL	60098	815-334-4585
Clifford Miles	510 Keane Lane #1	Terra Haute	IN	47803	812-877-2225
Vonda Miller	206 18th Ave	Sterling	IL	61081	815-625-5168
James Mulcahy	N 7842 Hillside Dr.	Whitewater	WI	53190	
Jeffery Nichols	1232 Country Lane	Lemont	IL	60439	630-257-6792
Robert Oja	1143 N. Seminary Ave, Box 168	Woodstock	IL	60098	414-275-9625
Ken Olson	3009 Kyle	Urbana	IL	61802	217-384-4335
Dale Parker	B 12325 Lowery Rd.	LaFarge	WI	54639	608-625-4033
John Pasche	25955 Flowerstone Dr.	Bonita Springs	FL	34135	941-992-4035
Neil Patterson	321 N. Oaklawn Ave.	Elmhurst	IL	60126	630-832-0092
John Pearse	309 S. State Hwy 1	West Union	IL	62477	217-279-3651
Don Phillips	R.R. 1, Box 14	Shobonier	IL	62885	618-846-2202
Bruce Putman	1200 Portage Lane	Woodstock	IL	60098	815-338-6218
David Rahe	828 S. Oak Street	Hillsboro	IL	62049	217-532-6887
Loyal Reinebach	1022 S. 21st St.	Quincy	IL	62301	217-228-8758
Richard Rust	1922 Autumn	St. Paul	MN	55113	651-644-9514
Larry Sabata	3030 SE Aries Ave.	Topeka	KS	66605	915-267-5091
J. Wiley Scott	411 N. Dorchester Drive	Mahomet	IL	61853	217-586-4233
Paula Shannon	451 W. North St.	Juneau	IL	53039	920-386-2187
Martha Sheppard	RR 2	Pearl	IL	62361	217-829-4409
Todd Soukup	1907 West Lockport Rd.	Plainfield	IL	60544	815-439-6774
Randy Staley	8034 S. State Rd 157	Clay City	IN	47841	812-939-2774
Mark Stelford	12140 Aldrich Rd.	Sycamore	IL	60178	815-895-9666
Steven Suhl	101 Deer Creek Road	Rochester	IL	62563	217-498-8511
John Tandarich	Hey and Associates, Inc 28045 N. Ashley Circle, Suite 101	Libertyville	IL	60048	847-918-0888
WM Teater	Box 655	Tremont	IL	61568	309-925-5905
Robert Tegeler	124 Joan Dr.	Divernon	IL	62530	217-625-7603
Earl Voss	4009 Farhills Drive	Champaign	IL	61822	217-352-3089
Donald Walker	1641 E. County Road 1800	Carthage	IL	62321	217-746-8601
Micheal Walker	205 Viking Dr. East Apt. 242	Little Canada	MN	55117	
Donald Wallace	643 North Kansas	Edwardsville	IL	62025	618-656-8230
Scott Wegman	2000 York Road, Suite 130	Oak Brook	IL	60521	630-571-0353
Benny Weiss	7555 Walnut Grove Road	Harrisburg	IL	62946	618-252-4292
Gloria Westphal	31849 117th Street	Twin Lakes	WI	53181	414-862-2232
Dwayne Williams	111 N. Almond St.	Carbondale	IL	62901	618-457-4946
Roger Windhorn	1902 Fox Drive	Champaign	IL	61820	217-398-5280
Edward Workman Jr.	150 E. Pleasant Hill Rd. Room 245	Carbondale	IL	62901	618-453-5579
Steven Zwicker	772 Mayfair Dr, RR 6	Princeton	IL	61356	815-875-2279

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

1999 Fall Meeting



General
Location of
Hotels

Giant City
Road

Giant City
State Park

Lake
Murphysboro
State Park

Murphysboro
Ranger Station U.S.
Forest Service

ILLINOIS SOIL CLASSIFIERS ASSOCIATION
1999 FALL MEETING
FRIDAY OCTOBER 1, 1999 AND SATURDAY OCTOBER 2, 1999
SHAWNEE NATIONAL FOREST

REGISTRATION FORM

Name(s): _____

Address: _____

City, State: _____

Phone Number: _____

Dinner Cost Enclosed (\$11.00 per person): _____

Response is needed before September 27, 1999.
Send checks payable to the Illinois Soil Classifiers Association to:
Chuck Frazee
65 Gaffney Rd.
Divernon, IL 62530



ILLINOIS SOIL CLASSIFIERS ASSOCIATION NEWSLETTER VOLUME 25 NUMBER 4

ISCA OFFICERS

President - Bill Kreznor	(815) 338-2362
President Elect - Ken Anderson	(630) 557-2705
Past President - Roger Windhorn	(217) 398-5280
Vice President - Scott Wegman	(630) 571-0353
Secretary - Bob Tegeler	(217) 846-2783
Treasurer - Chuck Frazee	(217) 628-3518
Certification Board Chair - Scott Harding	(618) 644-8171
Certification Board Secretary - Steve Suhl	(217) 498-8511
Newsletter Editor - Pat Kelsey	(630) 719-2417
The Morton Arboretum	
4100 Illinois Rt. 53	
Lisle, IL 60532-1293	
FAX (630) 719-2433	
E-mail: pkelsey@mortonarb.org	

MESSAGE FROM THE PRESIDENT

"Soil scientists from Illinois met in Champaign on January 9, 1975 and voted to form an association of professional soil classifiers".

So begins a letter sent in late 1976 to prospective members of the Illinois Soil Classifiers Association. Let's do the math. Our Association will celebrate its first quarter century during the year 2000. More than a few of our Charter Members are still with us. And, thankfully, some of them remain actively involved in promoting the objectives of our Association. Many of us have worked with these members and might have even trained under them. They know where the bodies are buried. As we begin our 25th year, I would like to thank these Members for their past and continuing service to our Association and to our profession.

I hope to see these Charter members at our Annual Meeting in Springfield on March 11, 2000. I would also, like them to reflect on the first 25 years of ISCA. How would they assess our present course and what our prospects look like in the next 25 years and beyond?

Who will carry our Association into the next quarter century? I believe they are already among us, or soon will be. Some may not be knowledgeable of the history of ISCA. But all will have a vision of where our Association ought to be going. They are the active members or otherwise known as the go-fers, the pavement artists, the scroungers, and the go-to guys. Many of you are officers, committee members, and members of the Certification Board, past, present, and future. But many of our active members do not hold an office position or a title. They pursue opportunities to promote ISCA and its objectives with a

colleague or new contact. How did these members attain such lofty positions? Were they absent during a critical meeting? Not likely. I believe they were willing to serve. Sure, some arm-twisting might have been involved. Still, I think even those who needed a little "convincing" had vision and the desire to work toward its fruition.

There are almost 100 ISCA members. I challenge each of you to extend into the next 25 years the same willingness to serve that many of our Charter Members offered during the first 25 years. Get involved with your professional association!

My sincere wishes for each of you a joyful holiday season that continues well into the New Year.

Bill Kreznor, CPSC, President

1999 FALL MEETING HIGHLIGHTS



Approximately 30 people attended this year's annual fall meeting in Southern Illinois. We would like to thank Sam Indorante, USDA-NRCS, Bryan Fitch, USDA-FS, and

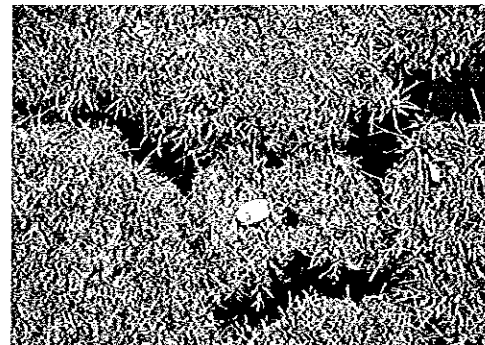
Scott Martin, USDA-NRCS for a well-run, informative program and field tour. We would also like to thank our speakers Joe Devera and Max Hutchinson.

The tour of INAGAH (Restoration Project) and Oakwood Bottoms was very interesting. We thank Terry Wachter, USDA-NRCS, Bryan Fitch, USDA-FS, and Richard Miller, USDA-NRCS for being wonderful tour guides. Oh, we almost forgot to thank Sammy for the excellent BBQ. Shoo is goood!

Quarterly Quiz

Does any one recognize the soil characteristics shown here?

Hint: Nice Crack!



WELCOME NEW MEMBERS

AFFILIATE MEMBERS

William Gradle
Dwayne Williams
Edwards Workman

ASSOCIATE MEMBERS

Jeffery Nichols

Richard Macho is a 1971 graduate of Cornell University with a B.S. in Agricultural Engineering. He worked in five (5) locations in New York and Illinois with the USDA-Natural Resource Conservation Service for twenty-five (25) years. He worked as a District Conservationist in both New York and Illinois. His last assignment was as Area Conservationist in Edwardsville, Illinois. In 1996, he took an early retirement from the NRCS.

He is presently working with the Madison County Soil and Water Conservation District, Edwardsville, Illinois. His main duties involve working with developers and municipalities to review and make recommendations on proposed subdivisions plats. His comments are focused on natural resource related issues. He is frequently asked to comment on sediment and erosion control plans, stormwater calculations, and soil-related issues.

He is also a Certified Professional in Erosion and Sediment Control Specialist (CPSC), and a member of the International Erosion Control Association.

ISCA REPRESENTED AT COOPERATIVE SOIL SURVEY PLANNING CONFERENCE

I had the privilege to attend the Illinois Cooperative Soil Survey annual planning conference as the representative of the Illinois Soil Classifiers Association. The conference was held September 16th and 17th, 1999 in Monticello, Illinois. Each of the cooperators gave status reports. My remarks to the conference attendees are paraphrased below.

I would like to thank the Natural Resources Conservation Services Bill Gradle and Bob McLeese for the opportunity to speak today.

As I think about the Soil Survey Centennial, it occurs to me that the cooperator (ISCA) I am pleased to represent today will observe its 25th year in 2000. I don't know if we will hold as lavish a celebration as what will unfold here today and tomorrow. We will have to wait and see.

Some of our Charter members are still active professionally, and they will have a role in the activities planned for later today and tomorrow.

When ISCA was born, our membership almost entirely consisted of soil scientists and educators directly involved in the National Cooperative Soil Survey program in Illinois. Today, our membership profile is quite different. We have just under 100 members; 97 at last count. About 40 percent are employed

by agencies of federal, state, and local governments. Many of these are involved directly in NCSS activities. The greatest change, particularly over the last 10 years, is that about 40 percent of our members are employed in the private sector. The remainder includes; educators, students, and those in affiliated professions.

About one-half of our membership is certified as Professional Soil Classifiers through our own independent Certification Board. These members meet higher standards of education and experience, and are required to successfully complete a written examination.

By the way, ISCA publishes a newsletter 3 to 4 times a year. If anyone would like to get a complimentary copy, please let me know.

A trend has become clear. Our membership is becoming weighted toward members in the private sector and serving agencies of local government. And many of these members are not directly involved in the NCSS program.

Yet all our members recognize the importance of cooperative soil survey. I believe our role, as a cooperator will continue to flourish. For example, ISCA will continue to support the objectives of the NCSS program. These objectives dovetail with our own goals. ISCA will continue to work with the NRCS on technical matters. For instance, ISCA members served on the High Intensity Soil Survey for Agriculture Committee that developed the Standards and Specifications that will be discussed later today. ISCA will continue to sponsor and co-sponsor, often with other Cooperators, workshops, tours, and training opportunities for soil scientists and others in related fields. As a matter of fact, we will conduct a fall meeting on October 1st and 2nd in the Shawnee National Forest. Please see me later if you are interested in attending.

ISCA will continue to promote soil science and the wise use of the soil resource to audiences outside of those represented here today. For instance, the Illinois Department of Public Health and local health agencies look to ISCA for technical advice in writing ordinances that require soil investigations for septic system design and installation. Many of you may know that since 1996, the State of Illinois public health ordinance has provided that soil investigations for septic systems be conducted by certified Professional Soil Classifiers. ISCA has representatives on the IDPH State Advisory Commission, and on local health department committees.

ISCA members served as consultants to the Field Museum of Natural History in Chicago for the new "Underground Adventure" exhibit. How many of you have visited this exhibit? May I see a show of hands? About one-third to one-half. I took my 11 year-old son there, and he loved it. Now, he has a better appreciation of what I do; his father doesn't just play around in the dirt.

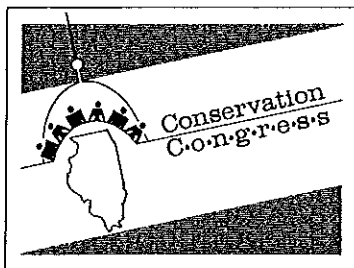
ISCA will have a representative at the Illinois Conservation Congress. We will have the opportunity to work with state and local groups outside of traditional soil survey.

The Illinois Soil Classifiers Association will continue to look to the NRCS as a major source for current technical information. We stand ready to work with NCSS cooperators and others toward serving users of soil information into the next century.

Bill Kreznor, CPSC, President
Illinois Soil Classifiers Association

DELEGATES SET FOR CONSERVATION CONGRESS IV

One hundred eighteen delegates have been chosen to participate in Conservation Congress IV, which will be held at the State Capitol in Springfield September 8-10, 2000. The delegates represent 48 statewide organizations selected by the Conservation Congress Executive Committee and approved by DNR Director Brent Manning, and 70 regional delegates elected during caucuses in each of five regions of Illinois this fall.



Modeled after the legislative process, the Conservation Congress brings together representatives of constituent groups served by the Illinois Department of Natural Resources. It operates on the three-year program cycle consisting of regional caucuses, work teams, committees and the Assembly of Delegates.

Congress participants work to resolve a wide variety of natural resource issues on topics including outdoor recreation, education, trails and greenways, land and water management, funding and public and political involvement.

"Every three years, delegates to the Conservation Congress assemble in the Illinois State House of represent the views of our diverse constituency and make recommendations to the Department of Natural Resources and to the policy makers of Illinois," Manning said. "Their past recommendations have had a tremendous influence on the Department, and I am confident that this group will find more ways to help us do a better job for the citizens of Illinois."

The first order of business for the delegates will be convening work teams to develop and prioritize new recommendations to be forwarded to the committees at the Assembly of Delegates. Work teams refine, research and in some cases, combine issues, challenges and solutions that were generated at the regional caucuses.

Work team meetings for Conservation Congress IV will be held at 10am on Saturday, February 5. Northern Work Teams for Regions I and II will meet at Illinois Valley Community College, 815 N. Orlando Smith Ave., Oglesby. Southern Work Teams will meet at Lake Land College, 5001 Lake Land Blvd., Mattoon.

Work team meetings are open to all delegates and caucus participants. Caucus representatives and their alternatives who worked to develop issues, challenges and solutions should attend and participate in these meetings.

For a complete list of Conservation Congress IV delegates or additional information contact Bob Casteel 217/782-4963 or email at bcasteel@dnrmail.state.il.us.

Patrick Kelsey, CPSC, represents the Illinois Soil Classifiers Association as a Regional Delegate for Region II of Conservation Congress IV. Roger Windhorn is the alternate.

AD HOC COMMITTEE FORMED TO REVISE KEY FOR WASTEWATER LOADING RATES FOR ILLINOIS SOILS

In January of 1994, ISCA formed a committee to develop a "Key for Determining Sewage Loading Rates Based on Soil Properties". After a seven-month effort, a key was developed that currently is appended to the 1996 Illinois Department of Public Health Private Sewage Disposal Licensing Act and Code.



That 1996 Code is currently under revision. As such, the Illinois Soil Classifiers Association has an opportunity to revisit that Key and make revisions and adjustments, if necessary.

Several of our Members, particularly those, who have routinely used this Key, have discovered some problems. Revisions have been suggested. Our Association can take a pro-active role, make any necessary adjustments, and have a revised Key ready for the new IDPH Code. Now is the time to "put up or shut up".

I will be appointing a handful of Certified members to serve on an ad hoc committee charged to re-examine the current Key and make any revisions. I anticipate that this Committee will begin meeting in early next year. I propose the following timetable:

Date	Event
January-late March 2000	Committee meeting
Early April 2000	Draft of revised Key submitted to ISCA membership for review and comments
Early April -mid May 2000	Key reviewed by ISCA membership; comments submitted to Committee
Mid May-late June 2000	Comments reviewed; Final Draft of Key prepared
July 1, 2000	Revised Key submitted to ISCA representative on IDPH Advisory Commission on Private Sewage Disposal

Please note that all members will have the opportunity for review and comments. Additionally, I expect that the Committee meeting will be open to the membership at large. Those members who want to provide comments to Chairman Bruce Putman can reach him at by writing to 1200 Portage Lane, Woodstock, IL 60098 or by calling 815-338-6218 or fax 815-338-7210. Please do not hesitate to contact either

President-elect Ken Anderson or myself for meeting dates and locations.

Bill Kerznor, CPSC, President

MEMORANDUM OF UNDERSTANDING BETWEEN THE ISCA AND THE USDA-NRCS

RELATIVE TO: Standards and Specifications for High Intensity Soil Survey for Agriculture in Illinois

AUTHORITY: Public Law 46-74 49 Stat 163 (16 U.S.C. 590 a-f) and Public Law 89-560 80 Stat 706 (42 U.S.C. 3271-3274)

THIS MEMORANDUM OF UNDERSTANDING: Is made on this the sixteenth day of September 1999 between the Illinois Classifiers Association (hereinafter referred to as ISCA) and the Natural Resources Conservation Service of the United States Department of Agriculture (hereinafter referred to as 'NRCS').

PURPOSE: It is the mutual desire of the ISCA and NRCS to develop and maintain one set of standards for carrying out high intensity soil surveys for agriculture in the state of Illinois. It is the belief of ISCA and NRCS, that it is for the public good, and for the good of the communities within this State, to have a single set of soil mapping standards based on the technical standards of the Illinois Cooperative Soil Survey (ICSS) and that these standards be actively enforced to ensure protection of the public interest through maintaining high professional standards and code of ethics.

THEREFORE: Illinois Soil Classifiers Association and the USDA Natural Resources Conservation Service deem it mutually advantageous to cooperate in this undertaking and hereby agree as follows:

1. NRCS AGREES:

- A. To provide to ISCA, copies of the following documents when they are updated.
 1. Soil Taxonomy / Keys to Soil Taxonomy
 2. Soil Survey Manual
 3. National Soil Survey Handbook
 4. Bulletins, directives, and amendments pertaining to technical standards of the Cooperative Soil Survey
- B. To authorize the NRCS State Soil Scientist to serve as an advisor to ISCA. The function of this position will include, but will not be limited to, the following:
 1. Assure that ISCA has the most up-to-date NRCS mapping standards;
 2. Notify ISCA when significant changes in mapping standards have been implemented;
 3. Serve as a communication link with the Illinois Cooperative Soil Survey in conveying suggestions or recommendations from ISCA; and
- C. To provide soil legend coordination (through NRCS MLRA Soil Survey Project Leaders) to Certified

Professional Soil Classifiers in order for them to carry out official business operations in Illinois, subject to appropriate documentation as outlined in the Standards and Specifications.

- D. To refer requests for soil map certification described by the Standards and Specifications to ISCA.
- E. To notify ISCA, in writing, of actions that may reflect non-compliance of the agreed to items under this Memorandum of Understanding, so as to allow ISCA to carry out inquiries, as appropriate.

2. ISCA AGREES:

- A. To establish and maintain a list of Continuing Education Units (CEUs) specifically geared for maintaining the Certified Soil Classifiers ability to produce products that meet the technical requirements of the Standards and Specifications for High Intensity Soil Survey.
- B. To insure material provided to the ISCA by the NRCS is made available Certified Professional Soil Classifiers in Illinois.
- C. To recognize the NRCS State Soil Scientist as an advisor to the ISCA, serving in an advisory capacity on matters pertaining to the Illinois Cooperative Soil Survey.
- D. To uphold high professional standards for Certified Professional Soil Classifiers and to respond appropriately to allegations of non-professional conduct.
- E. To carry out any appropriate quality control/quality assurance activities on products developed by the private sector, to insure compliance with the Standards and Specifications.
- F. To hold and save NRCS free from any and all claims or causes of action whatsoever resulting from the obligations undertaken by either party under this agreement or resulting from the work or work products provided for in this agreement.

3. IT IS MUTUALLY AGREED:

- A. That this Memorandum of Understanding may be terminated by the ISCA or NRCS upon written notice to the other not less than sixty (60) days prior to the termination.
- B. The activities conducted under this Memorandum of Understanding will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights act of 1964, as amended; the Civil Rights Restoration act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, and the Age Discrimination act of 1975. They will also be



in accordance with regulations of the Secretary of Agriculture (7 CER-IS), Subparts A & B), which provide that no person in the United States shall on the grounds of race, color, national origin, age, sex, religion, marital status, or handicap be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity receiving federal financial assistance from the Department of Agriculture or any agency thereof.

Signed on 9-16-99 by:

William J. Gradle, State Conservationist, USDA-NRCS
William Kreznor, CPSC, President, Illinois Soil Classifiers Association

SOIL QUALITY: SCIENCE OR POLITICAL CORRECTNESS?

During this decade, the concept of soil quality has received much attention. And there have been numerous attempts to define soil quality. In the latest issue of the Soil Science Society of America Journal (SSSAJ 63(5): 1039-1054, 1999), Bob Sojka of the USDA-ARS NW Irrigation and Soils Research Lab in Kimberly, ID and Dan Upchurch of the Cropping Systems Research Lab in Lubbock, TX published an article taking exception to the direction soil scientists and their institutions are taking in defining soil quality.

The premise of their article is that soil quality is not an objective scientific attribute of soil and cannot, therefore, be arrived at through scientific principles and empirical assessment. These authors posit that the nature of the term quality requires, or at least results in, value judgements and belief systems being imposed upon the definition of soil quality. What has emerged, in the opinion of the authors, is a soil quality paradigm that conforms to a narrow vision of an ideal, and some would even argue politically correct soil.

As evidence for their argument, these authors cite numerous examples where soil quality is alleged to be measurable via kits, scorecards, soil smell, and perception surveys, the criteria for which are unsubstantiated and nonquantifiable. Such quality definitions, the authors note, are contextual, subjective, value-laden, outcome driven and infinite in possibilities. Furthermore, they argue that the current literature and definitions of soil quality are Mollisol-centric and are, therefore, biased against other soil taxa and geographic regions (note where the authors are located). They point out, for example, that crop yields are affected by many factors unrelated to soil quality and cite the poor crop yield correlation between high soil quality ratings (USDA, NRCS) for Mollisols and the long-term, high productivity and market value of crops from some of the lowest rated (but irrigated) soil quality regions of the U.S.

These authors also point out that these attempts to define soil quality are at odds with the evolution of the modern U S comprehensive Soil Taxonomy whereby there was a movement away from interpretation of how soil classifiers thought a soil ought to be rather than describing and quantitatively characterising what was found. The authors also cite the NRCS

Soil Quality Institute as institutionalising a quality paradigm that cannot be defined or defended on a scientific basis and is, therefore, a social or policy construct! WOW!!

Does not soil quality parallel the concept of air quality or water quality that is so well accepted in the scientific literature and entrenched in everyday lexicon? Sojka and Upchurch maintain that such a parallel is false. They cite the fact that the concept-term quality as applied to air and water implies analysis of specific pollutants below or above established concentration thresholds with the standard being the air or water pure or unpolluted state. Unlike soil quality, air and water quality assessments do not attempt to specify a complex integration of static and functionally dynamic chemical, physical, biological, and ecological factors defining an ideal state for an infinite number of environmental or management scenarios. Rather, according to the authors, air and water quality are defined almost entirely in terms of restricting negative impacts of a finite number of biological, physical, and chemical pollutants in a limited number of specific environmental scenarios.

Sojka and Upchurch have challenged the soil science community to rethink the conceptual basis for defining soil quality - if such a definition is possible. Their paper effectively portrays their concern that the zeal to popularise and elevate the concept of soil quality has compromised scientific accuracy to the point of promoting advocacy for a value-based norm or modal concept. I agree with much of what these authors have set forth in a provocative article that is sure to draw much response. They have made a compelling case to rethink the concept of soil quality

But in doing so, they also have exhibited a bit of geography-envy or soil taxonomy-envy. They make the case of how other soil taxa support much higher productivity and market value than the highly rated (soil quality) Mollisols, but fail to point out the high energy-resource investment required to sustain such output. Yes, we could grow corn in the Grand Canyon and on Mars if we invested the necessary mix of resources. But such unrealistic comparisons beg the question, by what metrics or currencies do we measure such biological productivity and ultimately soil quality and sustainability? Certainly, biological output per unit of land/soil is one set of currencies. But so too are the currencies of energy inputs per unit of production and system thermodynamics. Are higher yielding irrigated systems sustainable with respect to energy capture via the photosynthetic process vs. energy investments. And by what currencies and metrics is soil quality measured? Sojka and Upchurch's paper is sure to be a benchmark from which future attempts to define soil quality is referenced. Stayed tuned!

Fred P. Miller

Association of Ohio Pedologists, Volume 26, Number 4

NATIONAL FOREST ROADLESS AREA REVIEW AND EVALUATION

The Shawnee National Forest held meetings on Thursday, December 9, 1999, at 10:00 a.m., 11:00 am, 2:00 P.M., 3:00 p.m. 7:00 p.m., and 8:00 p.m., in the Forest Service office in Harrisburg, Illinois. Each meeting will present the same

information. The purpose of the meeting is to provide information and solicit public comments on President Clinton's initiative to protect roadless areas within the National Forest System. This public meeting is one of the first steps in the public rulemaking process that proposes long term protection for more than 50 million acres nation-wide, of national forest land that remains undisturbed by logging or road building.

President Clinton kicked off the public process to protect roadless areas with his announcement on October 13th during a visit to the George Washington and Jefferson National Forests in Virginia. The President is asking the American people to participate in the decision making process to help determine the future and fate of more than 50 million acres of forest land.



The Forest Service has scheduled 10 national meetings across the county. In addition, every local national forest with roadless areas will have its own public meeting. The Shawnee National Forest has two areas, Ripple Hollow and Burke Branch, that were considered during the Roadless Area Review and Evaluation (RARE II) in 1977 that will be addressed in this analysis. The USDA will use the public comments from the meetings to shape how it addresses the roadless area issue over the next year. The meetings are also just the first opportunity for public comment on the roadless issue. This is just the beginning of a year long process. The Forest Service wants to have a comprehensive and extensive public outreach effort early in the process because it's important that we hear from the American people on this important proposal. Other opportunities to comment will follow when the Forest Service releases its draft environmental impact statement (EIS) and accompanying draft regulation next spring.

This public outreach effort is part of the ongoing sixty day comment period that was initiated in October when the Forest Service issued the official Notice Of Intent (NOI) to protect roadless areas. During this comment period, the Forest Service is inviting affected state, local, and tribal governments and members of the public to identify issues that should be analyzed in depth during the remainder of the process. After this comment period ends on December 20, 1999, the Forest Service will begin writing the draft EIS (DEIS) and the proposed rule. The agency will then release the document next spring and again seek extensive public involvement in the process before making a final decision in the fall

Nicholas J. Giannettino, Acting Forest Supervisor

ONSITE WASTEWATER TREATMENT CONFERENCE 2000

On Thursday January 20th and Friday January 21 in Peoria, Illinois, the 18th Annual IALEHA On-Site Wastewater Treatment Conference will be held. Conference will cover issues and innovations on soils, septage disposal, and the effects on-site wastewater disposal is having on the public and the

environment. Agendas for Thursday and Friday Workshops are as follows, respectively:

THURSDAY, JANUARY 20, 2000

- 8:00-9:00am Registration
- 9:00am Welcome and Introduction
- 9:15am Winston Rothchild III, CEO, Rothchild's Sewage and Septic Sucking Services
- 9:45am Soils and GIS, Robert L. McLeese, State Soil Scientist, USDA Natural Resources Conservation Service
- 10:45am BREAK, Exhibit Room Open
- 11:00am Septage Application Regulations, 503 Rules and Lime Stabilization, John Colletti, Bio Solid Team Leader, Region 5, USEPA
- 12:00 Noon Lunch, Provided
- 1:00pm High Volume Sewage Disposal Systems, Donnie Simmons, LEHP, Dir. of E.H., Livingston Co. H.D. and Paul Brown, LSC, R. Russell & Associates
- 1:45pm Small Flow's Nationwide Survey, Tricia Angoli, Project Manager, National Small Flows Clearinghouse
- 2:30pm Break, Exhibit Room Open
- 2:45pm Using Mounds, Jim Henricks, LEHP, Director of Environmental Health, Sangamon County Health Department
- 3:30pm Septic Tank Additives, Kolby Riggle, LEHP, Director of Environmental Health, Vermilion County Health Department
- 4:00pm On-Site Wastewater System Planning for Proposed Subdivisions, Speakers to be announced
- 5:00pm Exhibit Area Social Hour, Free Beer and Soda, Exhibits Open

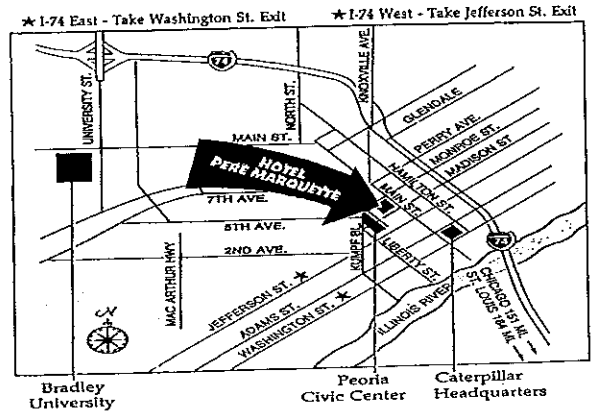
FRIDAY, JANUARY 21, 2000

- 8:00-9:00am Registration
- 9:00am Introductions
- 9:15am What Do You Do When You Find That Gas Line, The Hard Way, Jerome Themig, Standards, Procedures and Training Supervisor, AmerenCIPS
- 10:00am Break
- 10:15am Septic Systems and Their Impacts on Wetland Environments, Samuel V. Panno, BioChemist, Hydro Geology Research Laboratory, ISGS
- 11:00am Illinois Sewage Commission, Paul Chase, LEHP, President, Chase Environmental Services, Inc.
- 11:45am Door Prizes
- 12:00noon Adjournment
- 12:00noon IDPH Private Sewage Installation and Pumping Contractors Licensing Examination IALEHA General Membership Meeting

Conference will be held at the Hotel Pere Marquette, 501 Main Street, Peoria, Illinois. Phone numbers are 1-800-0447-1676 or 309-637-6500. Registration is \$40.00 per person for both days, including lunch on Thursday or \$25.00 per person for Thursday or \$20.00 per person for Friday. Please make checks payable to

IALEHA. Questions concerning registration call Val Starwalt at (618) 783-5206.

For Pre-registration, please send your information (include: Name, Business or Agency, Address, Phone, and payment) to Val Starwalt, Jasper County Health Department, 106 E. Edwards St., Newton, IL 62448.



FROM THE ISCA NEWSLETTER STAFF:

WE WOULD LIKE TO WISH EVERYONE A HAPPY AND SAFE HOLIDAY SEASON

