

# ILLINOIS SOIL CLASSIFIERS ASSOCIATION

ISCA NEWSLETTER

January 1989

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\*For members only.

## Message From President Jerry Berning

It is hard to believe another year is drawing to a close. It has been quite a busy and enjoyable year. It has been a privilege to work closely with so many individuals within and outside of our association. As I worked within the association, I grew to appreciate all the work done by previous ISCA administrations. Had the certification program not been in place and operating, I don't believe we would be as far along as we are in dealing with IDPH. The department enjoys working with people they know and can call on for advice rather than a nationwide registry of which they know little about. So I salute those past leaders of ISCA for their foresight and planning.

Obviously we do not yet have a new IDPH private sewage code. ISCA last met with Doug Ebbelherr, the program manager, and some of his staff on December 6, 1988. We reviewed a large stack of comments Doug received on the first draft of the soil standards manual. Every comment was considered and many changes were made. The department underestimated the time it would take to implement a code change. When the 98 page code is opened for review, the whole code is subject to change. The department is considering many other changes in the code besides the perc test requirement. So we are not sure how long it will be before we have a new code.

I'm taking this opportunity to address the concerns of those associate members who are doing on-site work in counties whose code does not require certified classifiers. A few of these classifiers will be eligible for certification by the time the code changes. Others will not. The constitutional lawyer with whom we have dealt suggests that we "grandfather" no more classifiers into the certification program. To avoid legal liability, our certification standards must be as objective and rigorously enforced as possible. Any possibility for state registration of soil classifiers would also be jeopardized if we compromise high standards. Soil classifiers in other states with similar programs tell us of their need for classifiers with at least 4 years experience. I don't see an alternative but to have a certified classifier sign off on your work.

We look ahead to prosperous days. Thanks to all the officers and committee members who make it all work smoothly.



Certified

ARCPACS AFFILIATED

### ISCA Fall Meeting

The Fall (summer?) meeting was held at Rend Lake on a clear and cool day. Twenty seven members and guest attended. Steve Zwicker won a lovely denim hat for taking first place in the texture contest. A tour of Dr. Darmody's nearby subsidence research site followed the contest.

### ISCA Council Meeting October 29, 1988

North Sandusky Creek Recreation Area of Rend Lake

President Jerry Berning called the meeting to order at 11:05 a.m. The following members were present: Jerry Berning, J. D. Alexander, Steve Zwicker, Bob Tegeler, Bob Darmody, Wilbur Chrudimsky, Dave Rahe, Ward Lenz and Doug Gaines.

Bob T. read the secretary's report of the previous council meeting. They were passed with a motion by J. D. Alexander and seconded by Steve Zwicker.

Steve Z. read the treasurer's report, stating the balance as of October 29, 1988 is \$3,471.32. The treasurer's report was approved with a motion by Bob T. and seconded by J. D. Alexander.

### Correspondence

Bob Darmody reported on the Region 3 soil judging contest. The University of Wisconsin-Platteville won first place, Purdue second place and the University of Illinois third place.

Jerry B. related a letter of thank you to ISCA from Wiley Scott, for the assistance provided at the Farm Progress Show.

### Committee Reports

#### Constitution and By-Laws - Dave Rahe, Chairperson

Dave expressed the need to strengthen our certification standards. To strengthen the standards, the possibility was discussed of adding a statement that 2 to 4 years of experience with a certified soil classifier is needed for a non certified soil classifier to qualify for certification. Wilbur Chrudimsky Chairperson of the Ethics, Registration and Membership Committee, will make a motion concerning this addition to the certification standards at our next annual meeting. Information concerning this issue will appear in the newsletter prior to the annual meeting.

Dan Mueller reported on the information he obtained from the lawyer concerning ISCA liability. He stressed the importance of having an objective test that does not show partiality. If an applicant passes the test then ISCA is not liable only the individual if he or she makes an inaccurate on site inspection. The lawyer also stressed that the Grandfather Clause is not a good idea. Dan reported that the lawyer will be contacting Jerry B. for further discussion.

#### Ethics, Registration and Membership - Wilbur Chrudimsky, Chairperson

Wilbur presented the names of 3 members for approval, Mark Matusiak to upgrade to full member, Mike Konen for associate member and Scott Harding for Student member. A motion to approve these members was made by J. D. Alexander and seconded by Steve Zwicker. The motion passed.

Public Relations and Education

Jerry Berning discussed an example of the worksheet for soil investigations. Jerry handed out copies of the worksheet; which contains definitions and a site investigation form. Comments and suggestions are to be sent to Jerry. The state code will be changed on January 1, 1989, and the worksheet and definition will be in the code. There will be a 3 month period for legislative review committees etc. to review the code. This change in the code could eventually lead to registration of ISCA.

It was decided that ISCA's recommendation to the Illinois Department of Public Health should require a soil classifier certified by ISCA or ARCPACS. Certification by sister associations from other states would not suffice.

Finance - no report

Newsletter - Bob Darmody

Bob reported that the newsletter was sent. Bob handed out the ISCA handbook to approved ISCA members who were present at the meeting.

Program - Dan Mueller, Chairperson

Possibilities for a speaker for the Annual Meeting were discussed. Dan will try to contact a private soil consultant who is involved in on site inspections to speak at the annual meeting.

State Soil - Earl Voss, Chairperson

Earl reported he will be fine tuning the State Soil writeup.

Old Business - none

New Business - none

A motion to adjourn was made by J. D. Alexander and seconded by Steve Zwicker. The meeting adjourned at 12:05 p.m.

Respectfully Submitted,  
Robert Tegeler, Secretary, ISCA

*Robert Tegeler*

Soil Judging News

The Region III Soil Judging Contest was hosted by the University of Illinois at West Frankfort on October 15, 1988. Forty eight students in thirteen teams representing eight schools competed. The University of Wisconsin at Platteville finished first (surprise!) with Purdue and the University of Illinois coming in second and third. Ohio State, Wisconsin - Stevens Point, Illinois State, Wisconsin - River Falls, and Wilmington College finished in that order. The high individual from Illinois was Steve Harold from the University of Illinois. Platteville, Purdue, and the U of I will represent the region at the national contest at Stephenville, Texas on March 31, 1989.

TAXON 3A

Taxon 3A is a microcomputer program written in BASIC for IBM PC's and compatibles. It is designed to help students learn soil classification and morphology by classifying the soils of Illinois to subgroup. It does not strictly follow soil taxonomic keys but uses diagnostic horizons and properties to short-cut soil taxonomy for Illinois soils. I would be happy to send copies out to interest individuals. Please send floppy disk (any kind) to me. I would like comments on improving the program.

R. G. Darmody

### Annual Meeting Plans

The ISCA Annual Meeting will be held Saturday, March 18, at the Bloomington Sheraton Inn. Council meeting starts at 10:30 A.M., buffet lunch of top sirloin at 12:00. Brad Cate will speak on his experiences as a private soil scientist after lunch. A business meeting will follow the speaker. To get to the Sheraton take exit 165A off of I55 on to IL Rt. 51 South. Turn right at first stop light on the Raab Road and park at the Sheraton lot. Make reservations before March 1, refunds are possible till March 15. Send \$11.00 to Don Mueller, 331 S. Madison, Pittsfield, IL 62363. Make checks out to the Illinois Soil Classifiers Association.

#### Some background on Brad Cate: speaker for annual meeting.

Brad received his B.S. and M.S. in soils from Southern Illinois University. He spent 2 1/2 years as soil scientist in Brown County, Illinois; about 1 year as soil conservationist in Marshall County, Illinois and worked 2 years with Harza International Consulting Firm working overseas. He worked as soil scientist on the Bureau-Putnam and Whiteside County project surveys; worked for the state of Delaware in implementing that state's new private sewage code. Brad is now a full time private consultant with his own firm, Eastern Shore Soil Service.

#### Revision of ISCA Certification Standards

The membership will vote at the annual meeting on proposed changes to the certification standards. The intent of the changes is to strengthen the standards by requiring letters of references. The changes will become effective at the time of the vote if they pass. The passages below are taken from Section 5 and 6 of the standards on pages 29 and 30 of the ISCA handbook. The underlined sections will be added and the lined-out sections will be deleted if the motion passes.

#### SECTION 5.

##### STANDARDS AND REQUIREMENTS FOR CERTIFICATION

In order to be eligible for certification as a professional soil classifier in Illinois, applicants must (a) subscribe to the Code of Ethics of the Illinois Soil Classifiers Association; (b) be a Full Member or Honorary Full Member of the Illinois Soil Classifiers Association, (c) submit a written application to the Certification board containing such information as required in Section 6, (d) have practiced soil classification at least two years under the supervision of or in collaboration with a soil classifier qualified for certification (d) (e) have actively practiced soil classifying in a responsible position at least three (3) of the preceding four (4) years, or have more than six (6) years total soil classifying experience and have actively practiced soil classifying during the preceding year and, (e) (f) have successfully passed a written and/or oral examination designed to determine the proficiency and qualifications of the applicant to engage in soil classifying.

#### SECTION 6

##### PROCEDURES FOR APPLICATION

Applications for certification may be submitted at any time and shall be on forms prescribed and furnished by the Board. Such application shall contain a signed statement showing (1) the applicant's formal education, (2) a detailed summary of his or her work experience, (3) a copy of all transcripts of formal academic studies, and (4) ~~such other information as the board may require, including~~ the names and addresses of three (3) references who have personal knowledge of the applicant's classifying experience, and (5) such other information as the board may require. It shall be accompanied by the proper fee as prescribed in Section 7.

~~Any Full Member of ISCA at the time these standards go into effect shall have the requirements of examination and references waived, until January 1, 1989.~~

EDITOR'S NOTE: Because this newsletter is only going out in January you cannot make the January deadline for dues and certification renewal. Try to get your dues in as soon as possible, but don't worry, they can't fire us all.

### 1989 MEMBERSHIP DUES NOTICE

It is time to renew membership in the Illinois Soil Classifiers Association. Article IV of the constitution defines the seven classes of membership. The classes and fees for each are as follows;

<u>CLASS</u>	<u>DUES</u>
Full Member	\$25.00
Associate Member	\$25.00
Affiliate Member	\$25.00
Retired Member	\$ 5.00
Out-of-State Member	\$ 5.00
Student Member	\$ 3.00
Honorary Member	-----

The annual renewal fee for certification is \$10.00. The membership dues will include subscription to "Soil Survey Horizons".

Annual Dues are payable by January 1 and delinquent on March 1, 1989. Article II Section 2.b, (2) of the By Laws states: "Any member shall be listed as "delinquent" if dues remain unpaid for sixty (60) days after the due date, and he/she shall be dropped from the membership rolls of the Association if the dues remain unpaid ninety (90) days after the due date. The request of such a person for re-admission must be accompanied by the dues for the current year plus any reinstatement fee which the council shall prescribe." The fees for reinstatement of lapsed membership of Full Members and Associate Members is as follows:

During First Year: \$5.00 in addition to membership dues.

During Second Year: Membership dues and reinstatement fee for the first year plus an additional \$10.00 plus membership dues for the second year.

Lapsed two (2) or more years: Shall not be reinstated, but must submit a new application to become a member of the Association.

Please complete the renewal form below and return it with your proper fees to Bob Tegeler by January 1, 1989. Make check payable to Illinois Soil Classifiers Association.

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 RETURN TO: Bob Tegeler, Secretary - ISCA  
 200 Essex Avenue  
 Mattoon, IL 61938

NAME: \_\_\_\_\_ TITLE: (Mr.) (Ms.) (Dr.)

HOME ADDRESS: / / \_\_\_\_\_

HOME PHONE: ( ) \_\_\_\_\_ OFFICE PHONE ( ) \_\_\_\_\_

BUSINESS ADDRESS: / / \_\_\_\_\_

Check preferred mailing address above .

Class of Membership: \_\_\_\_\_ Dues \$ \_\_\_\_\_  
 Reinstatement fee: \$ \_\_\_\_\_ Total Remittance \$ \_\_\_\_\_  
 Certification fee: \$ \_\_\_\_\_

## Election of ISCA Officers

The Nominations Committee has submitted a list of candidates for the offices of President-elect and Vice President. Ballots will be opened and counted at the annual meeting by the committee. Full, Honorary, and Associate Members may vote. Return the attached ballot in an envelope marked "Ballot" and signed on the outside to:

Robert Tegeler  
200 Essex Avenue  
Mattoon, IL 61938

Ballots may also be brought directly to the annual meeting.

### Meet the candidates:

Bill Kreznor is a candidate for President-Elect. Bill is currently self-employed as a consulting soil scientist. His work involves site evaluation for on-site sewage disposal. Formerly he was a soil scientist for the SCS. Bill received a Master of Science degree from the University of Illinois.

Donald J. Fehrenbacher is a candidate for President-Elect. He currently is employed by the SCS and works as a soil scientist on staff at the Bourbonnais area office. His past experiences in soil classification include serving as survey leader for Ford County and mapping for the Iroquois and Champaign county soil surveys. Don attained Full Member status and became an ISCA Certified Professional Soil Classifier in 1980. Don has been active in ISCA in the past and recently has been closely involved with recent developments in on-site sewage discussed in certification standards.

Ward Lenz is a candidate for Vice-President. He is originally from near Peoria, Illinois. He received a B.S. in forestry from ISU and worked as a Research Associate in Forestry at Michigan Technical University for two years. He subsequently became a soil scientist for McLean County and in 1986 became a SCS soil scientist in Clinton County.

Mark Matusiak is a candidate for Vice-President. He hails from suburban Chicago. His B.S. was awarded in 1979 by the University of Illinois. He has been a county soil scientist for Whiteside and Knox counties and in 1984 he became a SCS soil scientist and subsequently has worked in Wayne, Crawford, and Clay counties.

**REMINDER:** CERTIFICATION RENEWAL IS DUE JANUARY 1, 1989 FOR ALL PROFESSIONAL SOIL CLASSIFIERS. THE FEE IS \$10.00. YOU ARE ENCOURAGED TO PAY THIS WITH YOUR ANNUAL ASSOCIATION DUES TO ELIMINATE THE NEED FOR TWO CHECKS. YOUR CERTIFICATION WILL BE CONSIDERED LAPSED AFTER JANUARY 31, 1989 IF YOU HAVE NOT RENEWED.

ISCA, CERTIFICATION BOARD

Sue Aszman, County Soil Scientist on the Hancock County Soil Survey, and a new ISCA Associate Member this year, attended the Central States Forest Soils Workshop at Pere Marquette State Park near Grafton, IL, October 11-13.

She won the soil texturing contest, out of an estimated 50-70 entries, with a score of -28 out of a possible 100. She received a hand-made wooden belt buckle and a "Certificate of Proficiency" reading "Best Guesser of the Bunch" for her efforts.

Submitted by Carl Wacker

Editor's Note: For an opposing view of the forest soils workshop, see following article

The 1988 Central States Forest Soils Workshop was held, amidst fall colors on October 11-13, at Pere Marquette State Park near Grafton, Illinois. Dan Schmoker and Tom Wilson from the Illinois Department of Conservation led the group. ISCA members Mike Lilly and Gary Struben talked about the soils at each site. Tour stops included pits and road cuts in soils formed in aeolian sand, limestone residuum, alluvium, loess, and lacustrine sediments. We studied and discussed descriptions and lab data for Okaw, Oakville, Wakeland, Hurst, Haymond, Titus, Fayette, Hamburg, and Goss soils. Tree species, timber growth and quality, forest management activities, and forest succession were also discussed at each site. We visited a Christmas Tree Plantation, Mark Twain NWR, Kampsville Archeological Center, a Pecan Orchard, and McAdams Peak Hill Prairie. Kenneth Farnsworth, Director for the Center for American Archaeology, talked about fascinating prehistoric cultures during the banquet. Sue Aszman, Soil Scientist in Hancock County, won the soil texturing contest. Bob Church, District Forester in Pittsfield, won the tree identification contest. Dave Berna, SCS State Forester in Ohio, won first place in the combined soil texturing and tree identification contest. The 1989 Central States Forest Soils Workshop will be held in Ohio.

Submitted by Laura Merkle

Nitrogen Loss Bulletin

Bulletin 784, Nitrogen-Loss Potential Ratings for Illinois Soils by John D. Alexander is now available. This report covers the entire state on soil association basis and includes a 1:500,000 map. Copies are available by sending \$8.00 to the Department of Agronomy, University of Illinois, 1102 S. Goodwin Ave., Urbana, IL 61801.

# Dirt-eating is losing ground in South

By Kathy Eyre  
Associated Press

LEXINGTON, Miss.—Once Johnson tried hard to kick the habit. She took up smoking. She began eating laundry starch. But the old craving lingered.

Johnson, 38, has to have a daily fix of dirt, particularly her favorite crunchy clay. She is one of a dwindling number of clay eaters in America, perpetuating an African custom brought to this country by slaves.

"I've tried to wean myself away from it," says Johnson, showing a visitor the site of the best-tasting dirt in her native Holmes County on the edge of the Mississippi Delta. "On a daily average, I'd say I'd eat a tablespoonful, just enough to get a taste in my mouth, like pinching tobacco."

An expert on dirt-eating is Dr. Dennis Frate, a medical anthropologist and program director of the University of Mississippi's Rural Health Research Program in nearby Goodman.

"It's analogous to eating potato chips," Frate says. "A snack food is what it is."

Not just any dirt will do. It has to be the right kind of crunchy clay. Frate says the most popular eating dirt is a light-brown clay known scientifically as "red-yellow podzolic soil."

Johnson, a staff member at the state's Shelter Workshop for the Handicapped in Lexington, says dirt tastes like . . . well, dirt.

"It really doesn't have a significant taste," she says. "You know when it rains how the earth smells. It tastes to me similar to what it smells like."

Frate conducted a study in 1971 that found that one out of four adult women in Holmes County ate dirt regularly. He said dirt-eating has been reported throughout the South.

For unknown reasons, Frate says, few men eat dirt in America, while both men and women eat dirt pellets sold today in West African markets.

Although there is a slight risk of

ingesting parasites or impacting the colon with large amounts of clay. Frate says the practice generally isn't harmful to the eater's health.

Frate conducted a followup study of dirt eaters four years ago, which was published by the New York Academy of Sciences. The study showed that most Holmes County dirt eaters had switched to potentially harmful substitutes such as laundry starch or baking soda, which have a texture similar to the dirt.

He says the substitutes are particularly threatening because they contribute to high blood pressure.

Frate attributes the craving for dirt simply to early childhood eating habits. Johnson agrees. She says her children don't eat dirt because they grew up in urban Jackson.

But Frate says dirt-eating is probably going out of vogue, even in the rural South.

"I think when this generation of women—those 45 and older—is gone, it's going to be unheard of."

## GOALS AND MEMBERSHIP OF AMSS

The first issue of AMSS, April 1982, originally represented a call for members and stated:

"Because the numbers of women in soil science is slowly increasing, the formation of a professional association of these women is suggested so that benefits could accrue from their interaction."

The goals of this association are as follows:

1. To identify women employed as soil scientists;
2. To share technical and career information;
3. To enhance communication among members; and
4. To provide assistance and encouragement for women seeking employment in the field of soil science.

The call for members invited "all colleagues interested in joining and developing the association and supporting the goals". The AMSS continues to seek new members. Membership in the Association of Women Soil Scientists will increase your horizons and make you enjoy life more fully!

The Association of Women Soil Scientists Newsletter is published three times each year. Annual membership and subscription rate is \$5.00/year. Make checks payable to AMSS and send to:

Margie Faber, Secretary-Treasurer  
P.O. Box 115  
Ancram, New York 12502

Submitted by roving reporter Laura Merkle



## Friends Trip

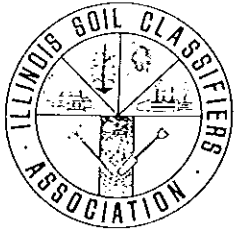
May 21-22 Grahame Larson and Bill Monaghan led the Midwest Friends of the Pleistocene 35th Field Conference. The conference base was the resort-like Kellogg Biological Station in Kalamazoo County, Michigan. The discussions began as we examined stratigraphic evidence for Calumet and Glenwood II phases of Lake Chicago, as well as Glacial Lake Milwaukee. The second day of the trip focused on glaciofluvial sediments in Kalamazoo County.

Other topics discussed during the conference were constructing an event stratigraphy from radiocarbon age dates on detrital organic matter, glacially buried Pleistocene organic deposits, and Michigan's Mastodons and Mammoths. The fun continued with a mystery stop, boat rides on Gull Lake, and singing songs around the campfire like I've Been Working On the Red Tills and Oh My Darling, Valdars Till.

The Friends Trip provides an opportunity to understand the geologic processes that are an essential part of pedology. Not only is the trip a terrific learning experience, it's a lot of fun. The 36th Midwest Friends of The Pleistocene Field Conference will be held in May 1989 near Watertown, South Dakota. Hope to see you all there!

Submitted by roving reporter Laura Merkle

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# ILLINOIS SOIL CLASSIFIERS ASSOCIATION

ISCA NEWSLETTER

June 1989

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Summer Meeting Announcement

### President's message:

I hope that 1989 will be a year when we take another step in increasing the level of professionalism of the members of the Illinois Soil Classifiers Association (ISCA). I would encourage each associate and full member of the organization to seek certification as a Soil Classifier through the certification program in ISCA and also consider being certified with ARCPACS, the certifying program of the American Society of Agronomy.

When the proposed new code for on-site sewage disposal in Illinois, developed primarily by the Illinois State Department of Health, is adopted it is likely that a Certified Soil Classifier will be required, in some fashion, to certify as to the soil conditions existing on a particular site requiring on-site sewage disposal. This situation should offer opportunities for Certified Soil Classifiers to go into private practice or to be employed by county or municipal governments as specialists in Soil Science, especially in Pedology, relating to on-site sewage disposal. Already a few of our ISCA members are in private practice in such a manner and it appears that the demand for such activity should increase.

To emphasize this increased activity in the area of on-site sewage disposal, our organization is sponsoring a work shop to be held in northeastern Illinois sometime in late September of this year. We invited your attendance and participation in this activity of the Illinois Soil Classifiers Association.



## Notes from the Annual Meeting

### FOURTEENTH ANNUAL MEETING ILLINOIS SOIL CLASSIFICATION ASSOCIATION MARCH 18, 1982 SHELIFF HALL URBANA, ILLINOIS

President Jerry Berning opened the meeting at 12:00 PM. Wiley Stolt gave the invocation. There were 49 members and their guests present. Brad Cate, operator of Eastern Shore Soil Services was the featured speaker. He discussed his experiences as a private soil consultant on the East Coast.

The business meeting was called to order at 2:30 PM. Bob Tegeter, ISCA secretary, read the minutes of the last Annual Meeting. They were approved with a motion by Don Wallace and seconded by Leon Folmer. Steve Zwicker, ISCA treasurer, read the treasurer's report. The balance in account as of March 18, 1982 was \$2195.78. The report was approved with a motion by Don Wallace and seconded by Leon Folmer.

#### COMMITTEE REPORTS

##### FINANCE

Jerry Berning read Chairperson Laurie King's report. On March 5, 1982 the ISCA books were audited for fiscal year 1982 and found to be in good order. The 1982 budget contained a surplus of \$929.72. The surplus was due to expenditures being lower than anticipated. Balance on hand at the end of the year was \$4682.82.

##### ETHICS, GENTLE (A.D.M.) AND (M.P.S.)

Committee member Jim Hantickel read Chairperson Wilbur Chudimsky's report. Jim reported that during the past year, 13 applications for membership were approved. The classes of membership included 5 full, 7 associate, and 1 student. Three members upgraded from associate to full.

##### NEWSLETTERS

Chairperson Bob Darmody reported that 3 newsletters were prepared and sent to the general membership and other interested parties since the last annual meeting. Eighty-three members received newsletters and an average of 30 complimentary newsletters were sent at each mailing.

##### NOMINATIONS

Chairperson Louie Folmer reported that Don Fehrenbacher and Bill Krezbner were candidates for President-Elect and

Mark Matusiak and Haro Lenz were candidates for Vice-President.

#### PUBLIC RELATIONS AND EDUCATION

Chairperson Don Fehrenbacher reported that the major accomplishment during the past year was the decision to change the State Code concerning on-site sewage disposal. It was agreed that an on-site sewage disposal program using soils information could be developed and could be implemented in a state code change. It was determined that a program could be developed based on site specific, detailed soils descriptions for individual lots and estimated soil permeabilities based on this soil description. A rough draft of the proposed program was developed and sent out to soil classifiers and State Health Dept. staff throughout the state for comments. The comments were reviewed, and agreed upon revisions were incorporated into a final draft. Doug Eberherr of the Illinois Dept. of Public Health took responsibility to complete the final draft. Based on ISCA council meetings it was decided that the existing certification programs with ISCA or ARCPACS would be the acceptable qualifications required to implement the IDPH code change using soils information for on-site sewage disposal. ISCA is awaiting state rules committee action for adoption of the revised state code.

Individuals involved in the decision making process included ISCA, SCS and University of Ill. representatives; IDPH officials; and a representative of the McHenry Co. Health Dept.

Jerry Berning mentioned that the code has been changed, a copy will be sent to ISCA by April 1, then dispersed for review by regional sanitarians, and the Joint Committee on Rules. It is planned to make the changes in the Health Code and have them implemented by the summer or fall of 1982. After the code is in place there is a two year time period for non-certified soil classifiers to continue to provide on-site soil information, provided their work is approved by an ISCA or ARCPACS certified soil classifier.

Don then announced that Steve Harold from the University of Ill. was the winner of the 1982 Outstanding Collegiate Soil Judger Award. The award was accepted on Steve's behalf by Bob Darmody.

#### CERTIFICATION

Chairperson Don Wallace reported that eight people were certified as Professional Soil Classifiers since the last Annual Meeting of ISCA. Presently there is a total of 26 certified soil classifiers. Don also reported that three applications are pending.

PROGRAM

The Summer Meeting was held on October 29, 1984 at the North Sandusky Creek Recreation Area of Kendall Lake. The annual tenting contest was won by Steve Zwicker, Jerry Ramsey was awarded second place. Following the business meeting Dr. Bob Darmsdy conducted a tour of his research area in the Glacial Lake Muddy Basin where the subsidence from subsurface coal mining is being studied.

CONSTITUTION AND BY-LAWS

Jerry Berning read Chairperson Dave Rahe's report. Dave's committee compiled the new ISCA Membership Handbook during the past year. All documents are now stored on a computer disk. The Handbook was published by the newsletter committee.

STATE SOIL

Jerry Berning read Chairperson Earl Voss's report. Earl has been working on the written nomination for the Drummer soil. He has been in contact with a representative of the Soil and Water Conservation Society, IL Chapter. The chapter is interested in being a sponsor. Earl will be providing them a copy of the criteria ISCA used to arrive at designating Drummer as the classifiers' nomination for the state soil.

OLD BUSINESS - NONE

NEW BUSINESS

Steve Zwicker made a motion to adopt specific changes to the Standards and Requirements for Certification. The changes were listed in the Jan. 1984 Newsletter. The main item concerned the addition of a statement in Sec. 5 of the Standards and Requirements for Certification. It will require at least 2 years experience under the supervision of, or in collaboration with a soil classifier who is qualified for certification. The intent of the change in Sec. 6 is to strengthen standards by requiring letters of reference when applying for certification. Ward Leisz seconded the motion. After some discussion the motion was passed by the general membership.

Tonie Endres reported the election results. Bob Fahrenbacher is the President-Elect, and Mark Matusiak is the Vice President.

Jerry Berning passed the gavel to incoming President J.D. Alexander who in turn presented a plaque of appreciation to Jerry for his work as President during the past year.

A motion to adjourn was made by Don Wallace and seconded by Kim Small. The meeting adjourned at 3:15 PM.

Respectfully Submitted  
Robert Tegeler, Secretary ISCA

*Robert Tegeler*

ISCA COUNCIL MEETING  
MARCH 18, 1984  
SHERATON INN  
NORMAL, IL.

President Jerry Berning called the meeting to order at 10:15 AM. The following members and guests were present: Jerry Berning, J.D. Alexander, Steve Zwicker, Tonie Endres, Bob Darmsdy, Bob Tegeler, Mark Matusiak, Jim Hornickel, John Tandarich and Brad Gate.

The secretary's report was approved as written with a motion by Tonie Endres and seconded by J.D. Alexander.

Steve Zwicker read the treasurer's report. The balance to date was \$5195.78. Steve reported that dues for "Soil Survey Horizons" have to be paid, this has to come out of the current balance, but the balance will still be greater than last year's balance at this time. J.D. Alexander made a motion to approve the report, it was seconded by Tonie Endres. The motion passed. A discussion ensued concerning the deadline for payment of membership dues since the notice came out late. Steve Zwicker made a motion to extend the due date one month to April 1. The penalty for delinquent dues will begin after April 1. The motion was seconded by J.D. Alexander. The motion passed.

CORRESPONDENCE - NONE

COMMITTEE REPORTS

ETHICS, CERTIFICATION AND MEMBERSHIP - Jim Hornickel

Jim presented the names of four applicants, they were Bill Simmons, Charles Harwood, Gloria Westphal, and Mary Thompson. Bill Simmons applied for full member status. After much discussion it was decided that more information was needed concerning his experience before a decision could be made on his membership status. Charles Harwood applied for full member status, but was approved as an associate member with a motion by J.D. Alexander and seconded by Tonie Endres. Gloria Westphal reapplied as an associate member since her membership had lapsed. She was approved as an associate member with a motion by J.D. Alexander and seconded by J.D. Alexander. Mary Thompson applied as a student member. It was decided that since she is no longer a student, she can not be approved as a student member. Tonie Endres made a motion to deny her application for student member status, Steve Zwicker seconded the motion. The motion passed. It was decided that she should be informed that she cannot be approved as a student member, but that

she can be approved as an affiliate member if she so chooses. A discussion ensued concerning the mapping experience of future applicants. It will be difficult for applicants to obtain mapping experience as the once over mapping nears completion in Illinois. This will need to be addressed in the near future.

CONSTITUTION AND BY-LAWS - Dave Rahe, no report  
 NEWSLETTER - Bob Darnowdy

Bob reported that 135 newsletters are printed for each circulation, 115 of these are mailed and this includes approximately 30 complimentary issues. Bob reported that they have been able to keep costs under budget. He mentioned the need for more articles, typed if possible. Bob will continue as editor for one more year.

PROGRAM - Dan Mueller - no report

STATE SOIL - Earl Voss - no report

PUBLIC RELATIONS AND EDUCATION - Jerry Earning

Jerry reported that the changes in the Health Code will be sent out April 1, 1989, to regional sanitarians for their review. They will be meeting on April 15, 1989. The Joint Committee on Rules will meet on April 2, 1989 to review the new rules. It is planned to get the change in the Health Code this year and implemented by this summer or fall.

NEW BUSINESS

President-Elect J.D. Alexander presented for approval the names of the committee chairs for 1989. The names of the committee chairs and their committee members will appear in the next newsletter which is due out in May or June.

Steve Zwicker made a motion to adjourn, J.D. Alexander seconded the motion. The meeting adjourned at 11:45 AM.

Respectfully Submitted  
 Robert Tegeler, Secretary ISCA

*Robert Tegeler*

March 18, 1989

Treasurers report - Annual Meeting

Balance in account at last report on January 14, 1989 \$3521.93

Income:

Dues and applications	1440.00
Certification	305.00
Interest	31.86
	<u>1776.86</u>
Subtotal.....	5298.79

Expenses:

Administration -1/	73.65
Sec. of State	10.00
Service Charge	4.36
Due (return)	<u>15.00</u>
	103.01
Balance in account.....	\$5195.78

Submitted by:

*Steven E. Zwicker, CPSS*  
 Steven E. Zwicker, CPSS  
 Treasurer

-1/ Expenses include office supplies, coping, postage, phone.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH

Private Sewage Disposal Code Changes

WINTER DETAIL TO SOUTH CAROLINA

by  
Douglas J. Ebelherr  
Private Sewage Disposal Program

This past winter, I had the opportunity to spend 3 months mapping in South Carolina. To say that the experience was different would be an understatement. Anyone that has been around me for very long, knows that I am not fond of snakes and other things of the reptilian variety. With this in mind, I asked the Survey Leader which poisonous snakes I might encounter in the field. He said that there were only four poisonous ones found in the county. A little research revealed that there are only four different poisonous ones in the entire United States! So much for my luck. During the entire 3 months, I only saw 2 poisonous snakes though. And one of them (a rattler), I ate. But that's another story for another time.

I spent almost all of my time mapping in the Carolina Sandhills National Wildlife Refuge. The biggest problem I had in the "Big Piney Woods" was getting lost almost daily. That is until the day I almost got caught out there by a forest fire! Terror doesn't even come close to the feeling. But by following Bambi and Thumper (I'm sure they had been through this before), I made it out safely. The soils were mostly sandy Ultisols and Entisols. They were primarily Arenic Hapludults, Arenic Paleudults, Grossarenic Paleudults and Typic Quartzipsammments. I never saw so much sand in my life! We used 80 inch bucket augers and there were some times that we would go the full length of the auger and not hit the top of the B horizon. There were Cumulic Humaqupts mapped in some of the flood plains and swamps. This was nasty stuff. Everything growing in the swamp has a brier on it. I've never seen anything so thick.

Overall, the detail was a good experience. I met some good people, saw some neat soils and sampled some excellent southern cuisine. Would I recommend a detail to another state? Would I do it again? You Bet! It's an excellent way to gain experience in other regions of the U.S. By the way, did I tell you that there are alligators in South Carolina? Well there was this one time I was mapping and I heard something and ...

SUBMITTED BY MIKE LILLY

Rumor has it that the Illinois Department of Public Health has a deep dark secret plan to involve Illinois Soil Classifiers in its Private Sewage Disposal Program. This seems to be the worst kept secret the Department has. In fact, the ISCA was the first group contacted to help incorporate soils information into the Code.

On July 15, 1988 I met with representatives of ISCA, Illinois Department of Public Health, Soil & Water Conservation, McHenry County Health Department, McHenry County SCS and independent soil scientists. At that meeting we formulated a plan whereby code rules would be developed for the design of private sewage disposal system using soils information provided by ISCA or AROPACS certified personnel.

In September and again in December this committee met to further refine the Code rules. I currently have the code revisions in close to final form. Some of the areas of interest as follows:

1. The absorption capacity of the soil can be determined by the use of a soil investigations.
2. This data will be based on a soil boring conducted by a soil classifier.
3. Two borings at least 60 inches deep will be collected from each site.
4. Numerous characteristics including, depth, texture, structure, mottles, color, high water table, and permeability will be recorded.
5. This information will be given to the homeowner, private sewage contractor and/or health departments to determine the size of the seepage field.
6. Requirement for the use of fill soil are addressed with soil classifiers required to identify the soils to be used as fill.

I hope to be able to present all the Code changes into the Illinois Register during the fall of 1989. Copies of the proposed changes will be available in the Register at that time.

## Soil Judging News

### Soil Classifiers Assist with National Soil Judging Contest

Lakeland College, near Matoon, Illinois, hosted the National Association of Colleges and Teachers of Agriculture Judging Conference on April 31 and 22. Approximately 475 students participated in the conference. Forty-one colleges and universities from as far away as Texas, Minnesota, New York, and California were represented. Competition was held in the following categories: Crops, Soils, Ag Mechanics, Horses, Dairy, Livestock Evaluation, and Livestock.

A total of 7 junior colleges and 10 senior colleges participated in the Soil Judging Contest. Two practice pits and four official pits were prepared for the contest. Bob Tegeler, Survey Leader; and Larry Staley, County Soil Scientist; both from the Cumberland County Soil Survey, judged the 6 soil pits. The soils formed in loess, or loess and the underlying Wisconsinian age glacial till; and included Drummer, Xenia, Miami, and Russell. After the contest Bob explained each of the four pits. Bryan Fitch of the Franklin County Soil Survey, assisted during the contest and helped grade the scorecards.

The top 3 junior college teams were Growder College from Missouri; Dodge City Community College from Kansas; and the University of Minnesota-Mascout; respectively.

The top 3 senior college teams were the University of Wisconsin-Platteville; Illinois State University from Normal; and the University of Wisconsin River Falls; respectively.

This was the 25th conference and the largest ever. It was a privilege to be a part of the activities.

Submitted by Bob Tegeler

### Know Your Association

The membership of ISCA is apportioned thusly:

57	Full
17	Associate
3	Student
6	Out of State
2	Retired
2	Honorary

This amounts to a total of 87 members, with 35 members certified.

## ISCA TO OFFER SHORT COURSE IN SOIL ON-SITE INVESTIGATIONS FOR WASTEWATER DISPOSAL SYSTEMS

On September 22-23, 1989, the Illinois Soil Classifiers Association will be offering a short course designed to introduce those interested in performing on-site soil evaluations for wastewater disposal systems to current methods and concepts. A separate mailing will be made with the details, but here is the preliminary course outline.

Friday, September 22, registration at noon

1. WELCOME
2. BASIS AND NEED FOR SOIL ON-SITE INVESTIGATIONS
3. CURRENT EXPERIENCES IN ON-SITE INVESTIGATIONS FROM THE COUNTY LEVEL
4. SEPTIC DESIGN
  - SOILS FROM THE SANITARIAN VIEWPOINT
  - ENGINEERING CONSIDERATIONS
5. NEED FOR SOIL-GEOLOGIC PERSPECTIVE
6. BASICS OF GLACIAL GEOLOGY
7. BASICS OF FLUVIAL GEOLOGY
8. OUTLINE OF ILLINOIS SURFICIAL GEOLOGY
9. SOIL CHARACTERISTICS IMPORTANT FOR ON-SITE EVALUATION
10. SOIL-HYDROLOGIC CHARACTERISTICS
11. PANEL DISCUSSION ON PROBLEMS AND METHODS IN ON-SITE EVALUATION

Saturday, 8AM to 3PM  
FIELD TRIP TO EXAMINE SELECTED SITES ILLUSTRATIVE OF THE TOPICS DISCUSSED IN THE PROGRAM

For further information watch for the next mailing or call Bill Kreznor at 815-338-2362.

The field trip is in conjunction with the Summer meeting of the ISCA.

**ILLINOIS SOIL CLASSIFIERS ASSOCIATION**  
1989 Officers and Committees

**Officers:**

President: John D. Alexander  
 Vice President: Mark Matusiak  
 President Elect: Donald J. Fehrenbacher  
 Secretary: Robert A. Tegeler  
 Treasurer: Steven E. Zwicker

**Standing Committees:**

**Constitution and By-Laws Committee:**

Steven E. Suhl, Chair  
 Dale E. Calsyn, member  
 Douglas Gaines, member

**Ethics, Certification, and Membership Committee:**

Wilbur W. Chrudimsky, Chair  
 Donald J. Fehrenbacher, member  
 James K. Hornickel, member  
 Laura L. Merkel, member

**Nominations:**

Geard V. Berning (Past Pres.)

**Public Relations and Education Committee:**

William R. Kreznor, Chair  
 Donald J. Fehrenbacher, member  
 Bruce J. Houghtby, member  
 John Tandarich, member  
 Michael J. Vice, member

**Finance:**

Mark Matusiak (Vice Pres.)  
 Tonie J. Endres, member  
 Laurie L. King, member  
 G. Ward Lenz, member

**Newsletter Committee:**

Robert G. Darmody, Chair  
 John Tandarich, member

**Special Committees:**

**State Soil Committee:**

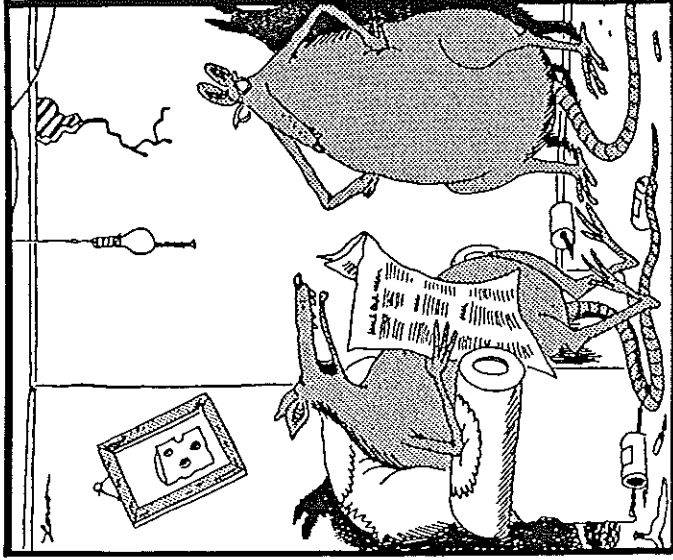
Robert McLeese, Chair  
 John D. Alexander, member  
 William R. Kreznor, member  
 Laura Merkel, member  
 Earl E. Voss, Member

**Program Committee:**

John Tandarich, Chair  
 Donald J. Fehrenbacher, member  
 William R. Kreznor, member  
 Bruce Putman, member  
 Terry Schmidt, member  
 Gloria Westphall, member

**Illinois Soil Classifiers Association**  
1989 Certification Board

Donald L. Wallace, Chair  
 Mark W. Bramstedt, Vice Chair  
 Fred L. Awalt, Secretary  
 Emil E. Kubalek, member  
 John C. Doll, member  
 G. Ward Lenz, member



"Clean it up? Clean it up? Criminy,  
it's supposed to be a rat-hole!"



# LIST OF MEMBERS, ISCA, 1989

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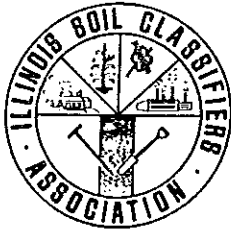
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309/833-1541 309/547-2215 A

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 414/389-4662 312/525-1125 A  
 WINDHORN, ROGER C. 62 HOLIDAY DR., CLINTON, IL 61727  
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 YOUNGSTROM, PAUL 12 BRIDLEY PLACE, OTTAWA, IL 61350  
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# ILLINOIS SOIL CLASSIFIERS ASSOCIATION

ISCA NEWSLETTER  
December, 1989

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\*For members only

## ISCA LOGO CONTEST

In response to comments that our logo is old fashioned and too detailed, the ISCA Newsletter Committee is sponsoring a logo contest. What is needed in a logo is something that is uncluttered and easily recognizable in small or large format. Send in as many ideas as you can come up with. We will have them on display at the annual meeting in March for the membership to select the winner. There will be no monetary prize, but the designer of the winning entry will have the satisfaction of seeing their creation displayed wherever good soil classification is practiced.

### Editor's Note:

There was another proposal a while back to rename the ISCA Newsletter. This is an idea again worth considering. We will accept nominations for a newsletter name to be voted on at the annual meeting. Since the Department of Agronomy's Newsletter has recently lost its name, Squanto is out of a job. Perhaps we could call our newsletter "Squanto Classifiers" or something like that. If you think of something better send your idea(s) to the editor.

## ON-SITE SHORT COURSE

### ISCA SPONSORS SHORT COURSE FOR ON-SITE SOIL INVESTIGATIONS FOR WASTEWATER DISPOSAL

On 22-23 September 1989, a short course on soil investigations for septic systems was held in Crystal Lake, Illinois. The course was sponsored by the Illinois Soil Classifiers Association in cooperation with the University of Illinois and the Illinois State Geological Survey. The course was held in response to the increasing need for qualified Soil Classifiers to perform on-site investigations for septic system suitability. This need already is present in northeastern Illinois, and is expected to spread into other areas when proposed changes in the State of Illinois Private Sewage Disposal Code are adopted.



Certified

ARCPACS AFFILIATED

The course consisted of two parts. A classroom session featuring speakers who addressed issues relative to both policy and technical matters was held during the afternoon and evening of the first day. The second part featured a field trip that examined sites in McHenry County illustrative of the program topics and was held on the second day.

John Alexander, ISCA President, welcomed the participants. Doug Ebelherr, Illinois Department of Public Health, discussed the proposed changes in the Private Sewage Disposal Code. Bill Mellen, Lake County Health Department, Pat McNulty, McHenry County Health Department, and Bob Leonard, Kane County Development Department, described on-site soil investigations required in their respective counties. Benny Weiss and Duray Potter discussed soils and septic systems from the perspective of the Sanitarian and Civil Engineer, respectively. Soil properties and hydrologic considerations were addressed by Tom Bicki and Bill Simmons, pedologists with the University of Illinois. Geologic considerations and glacial geology were discussed by Leon Follmer and Ardith Hansel, Illinois State Geological Survey, and Hilt Johnson and Ed Hajic, University of Illinois.

The field trip consisted of four stops in southern McHenry County showing some of the more common soils and glacial materials in northeastern Illinois. The discussion at each stop centered around the use of those soils for residential development served by septic systems, and the unique challenges presented by each to the Soil Classifier performing the on-site investigation. The field trip leaders were consulting Soil Classifiers Bruce Houghtby, Bill Kreznor, and Bruce Putman.

The attendance for the short course classroom session was 115, including the course instructors. These individuals represented federal, state, and local agencies such as county and municipal health departments, soil and water conservation districts, and the Soil Conservation Service. Also attending were consulting engineers and soil classifiers, sanitarians, and university faculty and graduate students. Fifty-five ISCA members were in attendance. About 85 people participated in the field trip.

ISCA sponsored the participation of Junkung Ceesay in the short course and field trip. Mr. Ceesay is with the Soil and Water Management Unit, The Gambia, Africa. He spent several weeks in Illinois studying soil and water management and conservation with Soil Conservation Service personnel.

A course handbook was developed and provided for each of the participants. The handbook includes notes, tables, charts, and diagrams from each of the course instructors. A brief description of each of the field trip stops is provided. The handbook is appended to include references for soil interpretations for septic system suitability. A small number of these handbooks are still available for a nominal fee. Contact Bill Kreznor (815-338-2362) for details.

Submitted by Bill Kreznor  
Chair, ISCA Public Relations and Education Committee

Minutes of the ISCA FALL MEETING

ISCA COUNCIL MEETING  
SEPT. 22, 1989  
LAKESIDE CENTER, CRYSTAL LAKE, IL.

President J. D. Alexander called the meeting to order at 10:00 P.M. The following members were present: J. D. Alexander, Mark Matusiak, Don Fehrenbacher, Steve Zwicker, Bob Tegeler, Bob McLeese, John Tandarich, Bill Kreznor, Bruce Houghtby, and Mike Vice.

Secretary Bob Tegeler summarized the minutes of the last council meeting and they were approved as written. Steve Zwicker read the treasurer's report. The balance to date was \$6700.75. A motion to approve the treasurer's report was made by Don Fehrenbacher and seconded by Bob T. The motion passed.

CORRESPONDENCE

A letter from Wilbur Chrudimsky concerning the membership brochure was discussed. The possibility of developing a brochure for members and another one for certified members was also discussed. J. D. Alexander made a motion granting the Ethics, Certification and Membership Committee the responsibility for developing a brochure, and a form giving members the opportunity to decide if they want their name in the brochure. The motion was seconded by Steve Zwicker. The motion passed. J. D. will submit a letter to Wilbur C. informing him that he can begin preparing the brochure and the form. The material in the brochure would contain background material on ISCA members.

A letter was also received from Wilbur C. concerning the planning meeting he attended for the SWCS Water Quality Workshop. ISCA will act as a co-sponsor of the workshop.

COMMITTEE REPORTS

CONSTITUTION AND BY-LAWS - No report.

ETHICS, CERTIFICATION AND MEMBERSHIP - Don Fehrenbacher

Don presented the names of 6 prospective members. Robert Bull and Paul Brown applied for Full member status. Tom Guyse, Carla Hanson and Jeff Steiner applied for Associate member status. David Seils applied for Student member status. Don F. made a motion to approve the applications as received. It was seconded by J. D. Alexander. The motion passed.

PUBLIC RELATIONS AND EDUCATION - Bill Kreznor

Bill reported an income of \$3,930 from the Short Course, and projected an estimated deficit of \$1,000 to \$1500 after expenses are paid.

An updated list of participants will be sent to those who attended. Bil stated that an article discussing the Short Course will be sent to "Soil Survey Horizons" and the ISCA Newsletter.

On behalf of the ISCA Council, J. D. Alexander made a motion commending the Public Relations and Education Committee; and the Program Committee for a job well done in preparing and conducting the Short Course. The motion was seconded by Mark Matusiak. The motion passed. The Public Relations and Education Committee consists of Bill Kreznor, Chairperson, Don Fehrenbacher, Bruce Houghtby, John Tandarich, and Mike Vice. The Program Committee consists of John Tandarich, Chairperson, Don Fehrenbacher, Bill Kreznor, Bruce Putman, Gloria Westphal, Benny Weiss, and Terry Schmidt.

Bob McLeese expressed his appreciation to ISCA for sponsoring Junkung Ceesay. He is affiliated with the Soil and Water Management Unit of the Gambia.

FINANCE - No report.

#### NEWSLETTER

The next newsletter will be released in late November and contain the minutes of this council meeting as well as the minutes of the previous council meeting. It will also contain the dues notice for 1990. A newsletter is also scheduled for release in February or March.

PROGRAM - John Tandarich

John thanked Bill Kreznor and Don Fehrenbacher for their help with the Short Course. He will send a thank-you letter to those who gave presentations during the two day course.

John will begin planning the program for the Annual Meeting which will be held in late March.

STATE SOIL - Bob McLeese

Bob's committee consists of J. D. Alexander, Earl Voss, Bill Kreznor, and Laura Merkel. The committee plans to have the state soil named by April 22, 1990. Bob will be attending the October 11th Conference of the Governor's Education Advisory Committee. He will also be working through the Office of Education and the school system, to investigate the possibility of allowing fifth grade students throughout Illinois the opportunity to vote for a state soil. They would choose from a list of 3 soils. The promotion of the state soil will cost approximately \$500. A motion was made by Bob McLeese requesting \$500 from ISCA for promotion of the state soil. Don Fehrenbacher seconded the motion. The motion passed. Bob McLeese will be preparing a report concerning the status of the state soil for the next newsletter.



OLD BUSINESS

Work on the new logo continues. The next newsletter will contain several concepts for examination by the ISCA membership.

NEW BUSINESS - None

A motion to adjourn was made by Mark Matusiak and seconded by Bill Kreznor. The meeting adjourned at 11:10 P.M.

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ISCA Membership Directory

ISCA will be making a brochure listing the names, experiences and qualifications of its members. The brochure will be made available to those requesting information about professional soil scientists in Illinois.

The Ethics, Certification and Membership Committee is developing a form to collect information for the brochure. Members wanting their names in the brochure will be asked to fill out and return this form. If not returned, your name will not appear in the brochure, so be watching for the information form in the next newsletter.

MEMBERSHIP NEWS

John Tandarich has been appointed by Soil Science Society of America President Wilford Gardner to the newly created Council on History of that society. Tandarich has been invited to present a paper concerning the history of pedology at the International Society of Soil Science Meetings History of Soil Science Symposium, and has received a travel grant from the SSSA in support of that invitation.

ISCA ANNUAL MEETING

The Program Committee is pleased to announce the preliminary details of our Annual Meeting. It will be on Saturday, March 24, at the AmVets Hall in Mt. Vernon, Illinois.

The program will be on wetlands and our speaker is Dr. Jim Richardson from North Dakota State University's Agronomy Department. Dr. Richardson is well known for his work in wetland pedology. His particular interests are: hydric soil characteristics and delineation, hydric soil-vegetation relationships, and wetland geology and geomorphology.

There will be a locally catered barbecue and roast chicken buffet-style dinner as well. The estimated cost per member is \$5.00 including everything. Thanks very much to Dana Grantham and his associates for making the local arrangements. The membership can look forward to an interesting and enjoyable program. More details, including the reservation form, will be in the next newsletter.

The Program Committee

CERTIFIED PROFESSIONAL SOIL CLASSIFIERS  
ILLINOIS SOIL CLASSIFIERS ASSOCIATION

The following individuals are currently Certified Professional Soil Classifiers of the Illinois Soil Classifiers Association. They are certified for the current year 1989. Date of this listing is 11/20/89.

John D. Alexander, 2607 Melrose Dr., Champaign, IL 61820  
Fred L. Awalt, 800 Gordon, Effingham, IL 62401-3723  
Gerald V. Berning, R.R. 3, Box 219A, Rushville, IL 62681  
Mark W. Bramstedt, 409 Sutherland, Paris, IL 61944  
Lester J. Bushue, 1911 Scottsdale Dr., Champaign, IL 61821  
Dr. Robert G. Darmody, 809 W. Clark St., Champaign, IL 61820  
John C. Doll, 1702 Harrington Dr., Champaign, IL 61821  
Tonie J. Endres, P.O. Box 249, Louisville, IL 62858  
Donald J. Fehrenbacher, Soil Conservation Service,  
18 Heritage Plaza, Suite 101, Bourbonnais, IL 60914  
J.B. Fehrenbacher, 1616 Sheridan Rd., Champaign, IL 61821  
Charles J. Frazee, Route #1, Box 148, Divernon, IL 62530  
Douglas B. Gaines, 250 Coventry Pl., Edwardsville, IL 62025  
Dana R. Grantham, 714 Palace Dr., Pinckneyville, IL 62274  
Patrick D. Kelsey, 711 Wilder St., Aurora, IL 60506-3126  
L. Michael Kiefer, R.R. 3, Box 177A, Watseka, IL 60970  
William R. Kreznor, 427 Center Street, Woodstock, IL 60098  
Emil E. Kubalek, 3408 56th Street Place, Moline, IL 61265  
G. Ward Lenz, R.R.3, Box 510, Centralia, IL 62801  
Michael E. Lilly, 6 Village Rd., Hannibal, MO 63401  
Mark Matusiak, 304 E. Center St., Fairfield, IL 62837  
Robert L. McLeese, R.R.1, Box 238, Monticello, IL 61856  
Laura L. Merkel, P.O. Box 131, Mazon, IL 60444  
Clifford C. Miles, 1121 E. Forest Park Dr., Greenwood, IN 46142  
Stanley H. Murdock, 218 NE 10th St., Washington, IN 47501  
John R. Pearse, 1010 N. Allen, Robinson, IL 62454  
David B. Rahe, 828 S. Oak St., Hillsboro, IL 62049  
J. Wiley Scott, 411 N. Dorchester Dr., Mahomet, IL 61853  
Martha E. Sheppard, R.R. 2, Pearl, IL 62361  
Randy E. Staley, Peabody Coal Company, Indiana Division,  
P.O. Box 568, Dugger, IN 47848  
Earl E. Voss, 4009 Farhills Dr., Champaign, IL 61821  
Michael B. Walker, 320 Barsi Blvd., No. 1, Macomb, IL 61455  
Donald L. Wallace, 643 North Kansas, Edwardsville, IL 62025  
Benny J. Weiss, Route 3, Box 118, Harrisburg, IL 62946  
Roger D. Windhorn, 62 Holiday Dr., Clinton, IL 61727  
Steven E. Zwicker, 772 Mayfair Dr., Route #6, Princeton, IL 61356

Total 35

Fred L. Awalt, Secretary  
Certification Board, ISCA

Editor's Note:

Avoid the rush, apply for certification now.

## STATE SOIL

### Editor's Note:

This letter is being sent to local newspapers throughout the state.

White oak, violet, monarch butterfly, white tail deer, cardinal, and blue gill. Do you know what these things have in common??

They are all official state symbols of Illinois and they all depend on soil for their existence! Yet, we have no official state soil.

Soils are our most basic natural resource. They are a commonplace feature of nature, but they are often not well understood or appreciated. The Illinois Soil Classifiers Association (ISCA) decided that something needed to be done to inform the public of the vast importance of the soil resources of the state. (The Illinois Soil Classifiers Association is a nonprofit, scientific and educational organization dedicated to foster the profession of soil classifying and to increase and disseminate information in all phases of soil science in order to advance the well being of all people.)

In March 1985 the ISCA appointed a State Soil Committee to select one soil to represent the soil resources of Illinois and to be designated by the General Assembly and the Governor as the State Soil of Illinois. The Committee identified factors they felt should be considered in the selection process. They included origin and classification, productivity, distribution and extent, and name recognition.

During 1986 ISCA members were invited to nominate soils to be considered for the official state soil. Seven soils were nominated. They were the Cisne, Drummer, Flanagan, Hoyleton, Ipava, Sable, and Saybrook soils.

In January 1987, a ballot by mail election was held and ISCA members voted for the soil they felt would best represent the soil resources of Illinois. Drummer silty clay loam was selected by more than a 2 to 1 margin over Cisne silt loam.

The next step on the road to enshrinement as the official state soil is to obtain legislative sponsorship and approval of a State Soil bill. Our goal is to have the Governor sign a bill designating Drummer silty clay loam as the State Soil of Illinois on April 22, 1990, Earth Day. Representative Gordon Ropp from Bloomington will be introducing a State soil bill this next legislative session.

This letter is an attempt to inform you of our efforts in obtaining a State Soil. If you or your readers support our efforts, or have any other comments, we would appreciate hearing from you. Please forward your letters of support or any comments or questions to:

Bob McLeese, Chairman  
ISCA State Soil Committee  
RR 1, Box 238  
Monticello, Illinois 61856  
Phone: 217/762-7697

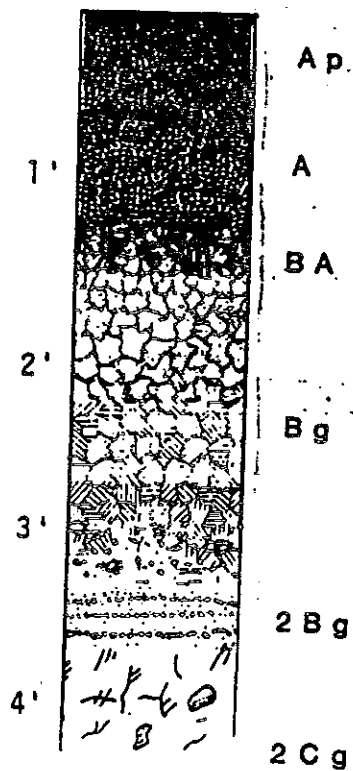
Thanks!



Robert L. McLeese, Chairman  
ISCA State Soil Committee

# DRUMMER

silty clay loam



Sponsored by  
Illinois Soil Classifiers Association  
and  
Soil and Water Conservation Society

## INTRODUCTION

Many of the common place features of nature are not well understood or appreciated. For many Illinoisians, the soil is such a feature. It is present almost everywhere and has always been with us. Because of this, the majority of us have never taken the time to find out what soil is, how it formed, and what its' basic properties are.

The noun "soil" is derived through Old French, from the Latin "solum", which means floor or ground. In general, soil refers to the loose surface of the earth as distinguished from rock. Many people think of soil as the material which nourishes and supports growing plants. To the farmer it is the essence of survival; the medium in which his crops grow. His economic well being is directly linked to the quality of his land. The civil engineer on the other hand looks upon soil as the material which supports foundations and roads.

Illinois has about 400 different kinds of soils. They produce our food, fiber and paper; are used for our parks, wildlife preserves, lawns and play areas; support plants; and serve as foundations for our homes, highways and airports. Illinoisians are very dependent on soils. Soils are on one of our most basic natural resources and are indispensable to the support and growth of a strong and prosperous state.

## BACKGROUND

In March 1985, the Illinois Soil Classifiers Association appointed a committee to nominate one soil to represent the soil resources of Illinois as the official state soil of Illinois.

This was not an easy assignment! Over 400 soil series are found in Illinois, each with unique properties and characteristics, and each with its own argument for state soil.

The committee identified criteria, they felt should be considered in selecting a soil to represent the soil resources of the state. Eight criteria were identified -

1. Since Illinois is the "Prairie State", the state soil should reflect a prairie influence in its origin.
2. The soil should be a highly productive agricultural soil. It should be "prime farmland".
3. The soil should be extensive in Illinois

4. The soil should have originated in Illinois and the "type location" should be located in Illinois.
5. The soil should have a "firm" scientific classification that is supported by laboratory data.
6. The soil have a history of classification and mapping and have been in use for a long period.
7. The soil name must be easily recognized, spelled, and pronounced and relatively well known to the non-soil scientist as well as to the soil scientist.
8. The soil should reflect, in some way, the major soil parent material in Illinois - loess.

During 1986 ISCA members were invited to nominate soils based on the established criteria. Seven soils, Cisne, Drummer, Flanagan, Hoyleton, Ipava, Sable, and Saybrook, were nominated.

In January 1987, a ballot by mail election was held where ISCA members voted for a soil to be designated as the state soil. Drummer silty clay loam was selected by more than a 2 to 1 margin over Cisne silt loam.

#### DRUMMER SILTY CLAY LOAM

The Drummer soil series consists of very deep, poorly drained soils that formed in 40 to 60 inches of loess or silty water-laid material and in the underlying stratified glacial outwash. Drummer soils are found on nearly level or depressional parts of till plains and outwash plains throughout northern and central Illinois.

A typical profile of Drummer silty clay loam is -

<u>Horizon</u>	<u>Depth</u>	<u>Description</u>
Ap	0-7 inches	black silty clay loam
A	7-14 inches	black silty clay loam
BA	14-19 inches	very dark gray silty clay loam
Bg	19-41 inches	dark gray, grayish brown, and gray; mottled silty clay loam
2Bg	41-47 inches	gray, mottled loam
2Cg	47-60 inches	dark gray, mottled, stratified loam and sandy loam

#### Prairie influence

The Drummer soils formed under a luxuriant growth of marsh grasses and sedges, that was typical of much of the native prairie at the time of settlement.

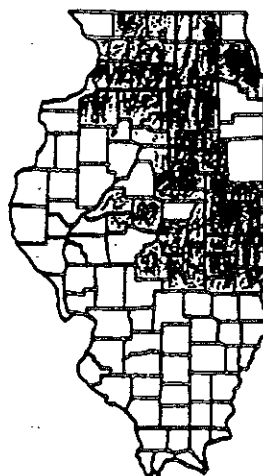
Soils formed under prairie vegetation are normally dark colored and high in organic matter content. Illinois is known for its "black dirt" and much of this "black dirt" is Drummer silty clay loam.

### Prime Farmland

Drummer is one of the more productive soils in the state. It has a productivity index of 150 and qualifies as prime farmland. Most areas of Drummer are cropped. Corn and soybeans are the principal crops.

### Distribution and extent

Drummer soils are the most extensive in the state. More than 1.6 million acres of Drummer have been mapped in 39 of Illinois' 102 counties.



### Type location

The type location of the Drummer soil series is located in Champaign County on the University of Illinois south farm.

### Classification

Drummer is a fine-silty, mixed, mesic Typic Haplaquoll. This classification is very typical of "prairie soils" in Illinois.

### History

The Drummer series was established in Ford County in 1929.

### Name recognition

Soil series are generally named for a geographic location near where they are first correlated. Drummer was named for Drummer Creek in Drummer township, Ford County, Illinois it has good name recognition throughout the state.

### Parent Material

Drummer soils typically formed in 40 to 60 inches of Peoria loess and in the underlying stratified glacial outwash.

## 1990 MEMBERSHIP DUES NOTICE

It is time to renew membership in the Illinois Soil Classifiers Association. Article IV of the constitution defines the seven classes of membership. The classes and fees for each are as follows:

<u>CLASS</u>	<u>DUES</u>
Full Member	\$25.00
Associate Member	\$25.00
Affiliate Member	\$25.00
Retired Member	\$ 5.00
Out-of-State Member	\$ 5.00
Student Member	\$ 3.00
Honorary Member	---

The annual renewal fee for certification is \$10.00. The membership dues include a subscription to "Soil Survey Horizons".

Annual dues are payable by January 1 and delinquent on March 1, 1990. Article II, Section 2.b, (2) of the By-Laws states: "Any member shall be listed as "delinquent" if dues remain unpaid for sixty (60) days after the due date, and he/she shall be dropped from the membership rolls of the Association if the dues remain unpaid (90) days after the due date. The request of such a person for re-admission must be accompanied by the dues for the current year plus any reinstatement fee which the council shall prescribe." The fees for reinstatement of lapsed membership of Full Members and Associate Members is as follows:

During First Year: \$5.00 in addition to membership dues.

During Second Year: Membership dues and reinstatement fee for the first year plus an additional \$10.00 plus membership dues for the second year.

Lapsed two (2) or more years: Shall not be reinstated, but must submit a new application to become a member of the Association.

Please complete the renewal form below and return it with your proper fees to Bob Tegeler by Jan 1, 1990. Make check payable to Illinois Soil Classifiers Association.

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