

# ILLINOIS SOIL CLASSIFIERS ASSOCIATION

February 1982 Newsletter

## Newsletter Contents

Please note that this newsletter contains a summary of the last council meeting, the announcement and reservation information for the 1982 Annual Meeting, the 1982 election ballot for members, membership information and other news.

## Council Meeting News

President Higgins called a council meeting at the SCS State Office on January 23, 1982. In attendance were Higgins, Bushue, Calsyn, Follmer, Grantham, Herman, and Pope. Bushue presented the secretary-treasurer's reports. As of January 22, 1982, the treasury contained \$817.24, which included income of \$52.50 and expenditures of \$228.11 since August 21, 1981. Some discussion followed that was concerned about the decreasing trend in the treasury. Bushue reported that our organization may not qualify for a NOW account and considering the fees charged by our bank, it may not be to our advantage to change our present status.

According to our By-Laws, payment of dues is required on January 1st of each year. However, we have grown accustomed to paying dues on or before the date of the Annual Meeting. A motion was passed to send out the first dues notice in November of each year. Rules and procedures for handling delinquent members will be discussed at the Annual Meeting.

Calsyn presented the names of five associate members that were approved for full membership status; David Rahe, Mark Bramstedt, Mike Lilly, Sam Indorante, and Richard Sims. New member, Sylvia Redschleg, was accepted as an associate member. Nominations for President-Elect and Vice President, submitted by Paschke, were approved and a ballot is enclosed with this newsletter for each voting member. Higgins raised the issue of ISCA visibility. In response to a request from Robert Craft, he will prepare a description of the ISCA that can be used in multiple ways to inform others about the ISCA. Pope discussed the possibility of having an artist prepare certificates that the ISCA can use to award to content winners and to show appreciation.

## Names In The News

The SCS has announced awards to some people we know. For outstanding performance Wiley Scott, Earl Voss, Steve Zwicker, Peter Waldo, and Carl Wacker have been recognized. For special achievement David Rahe, Don Fehrenbacher, John Doll, Ken Gotsch, Bob Tegeler, Bruce Currie, and Steve Higgins have been recognized.

Warren Fitzgerald retired in December after 35 years of service and was honored by his friends at a dinner at the Round Barn Center on January 23. Early in his career he was a soil scientist and went on to a District Conservationist position in Wisconsin. Following that experience he was an Area Conservationist in Michigan, Deputy State Conservationist in New York, State Conservationist in New Jersey, and became Illinois' State Conservationist in 1979. The ISCA wishes one of its distinguished members success in his new activities.

#### Membership Corrections

In the last newsletter the listed membership of the Certification Committee was in error. Zwicker is Chairman; Parks, Vice-Chairman; Frazee, Secretary-Treasurer; J. D. Alexander, Awalt and Weiss are members.

#### Agronomy News

Dr. Robert G. Darmody joined the Pedology staff of the Agronomy Department of the University of Illinois as an Assistant Professor in September 1981. He is currently teaching Soils 301 - "Soil Survey, with Emphasis on Illinois Soils," with an enrollment of some 30 students.

Bob is a native of the Washington, D.C. area, having lived both in D.C. and the D.C. suburbs in Maryland. His B.S. degree is from the University of Maryland in Conservation, in the Natural Resources Department. He has M.S. and Ph.D degrees in Soil Genesis, Morphology, and Classification, with a minor in Geomorphology, from the Agronomy Department, University of Maryland.

His M.S. research included reconnaissance mapping and classifying the tidal marsh soils in the Chesapeake Bay area. He mapped the tidal marsh soils in Kent County, Maryland as part of the detailed Soil Survey of the county. He modeled the tidal marsh soil-vegetation-landscape relationships and tidal marsh soil genesis relating, in part, to shoreline subsidence and sedimentation.

His Ph.D research was concerned with the pedogenic and geomorphic relationship of the Elioak and associated soil series relating primarily to parent material and geomorphology. In this research he developed Ultisol (pseudo paleosol) to adjacent weakly developed Inceptisols. The Elioak series is an old soil covered in places by 20 to 40 inches of local loess.

Before coming to Illinois he was an instructor in introductory soils in the Agronomy Department at the University of Maryland. He and his wife, Susan, live in Champaign.

Have you ever wondered what unique things might have happened during a soil survey in other areas or would like to tell about an unusual thing you found in your survey work? Well, Soil Survey Horizons is the place to find out or to tell your story. The Soil Survey Horizons is a medium for the expression of ideas, problems and philosophies concerning the study of soils in the field. Articles, pictures, announcements, and news items are welcome. Send contributions to Dr. Gerald A. Miller, Department of Agronomy, Iowa State University, Ames, IA 50011.

Subscription Form for SOIL SURVEY HORIZONS,  
Quarterly Professional Journal

Mail subscriptions to the Soil Science Society of America, 677 South Segoe Road, Madison, Wisconsin 53711.

Annual rates: \$5.00 U.S. \_\_\_\_\_ Renewal  
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Please find enclosed \$ \_\_\_\_\_ for \_\_\_\_\_ yr(s) subscription.

Name \_\_\_\_\_ Occupation \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

February 7, 1982

Dear Members:

The Seventh Annual Meeting of the Illinois Soil Classifiers Association will be held Saturday, March 27, 1982. The meeting will begin at 11:30 A.M. with a buffet luncheon at the Heritage House, South 6th Street, Springfield, Illinois (map sketch attached for location).

Duane Johnson, Assistant State Conservationist, Soil Conservation Service, and Ron Darden, Chief, Bureau of Farmland Protection, Division of Natural Resources, will be our speakers. They will discuss the newly developed Agricultural Land Evaluation and Site Viability Assessment System. The major rating elements of this system are land capability, soil productivity, soil potentials and important farmland ratings. The Program Committee urges your attendance to be among the first to learn about this evaluation system.

Wives, friends and guests who might be especially interested in the program are welcome. Springfield offers sight-seeing opportunities plus large shopping mall facilities near our meeting site. Further information will be provided after the luncheon.

Please make reservations early. Complete the form below and return it, along with a check to cover the total cost, by March 10, 1982. Make the check payable to the Illinois Soil Classifiers Association and forward it to Ray Herman, 53 Finetree, Seymour, Illinois 61875. If you need to cancel a reservation, notify Ray by noon, March 24, 1982. For any additional information about the annual meeting, call Ray at (217) 687-2712 (Home) or (217) 398-5268 (Office), or Paul at (217) 762-9270 (Home) or (217) 762-2021 (Office).

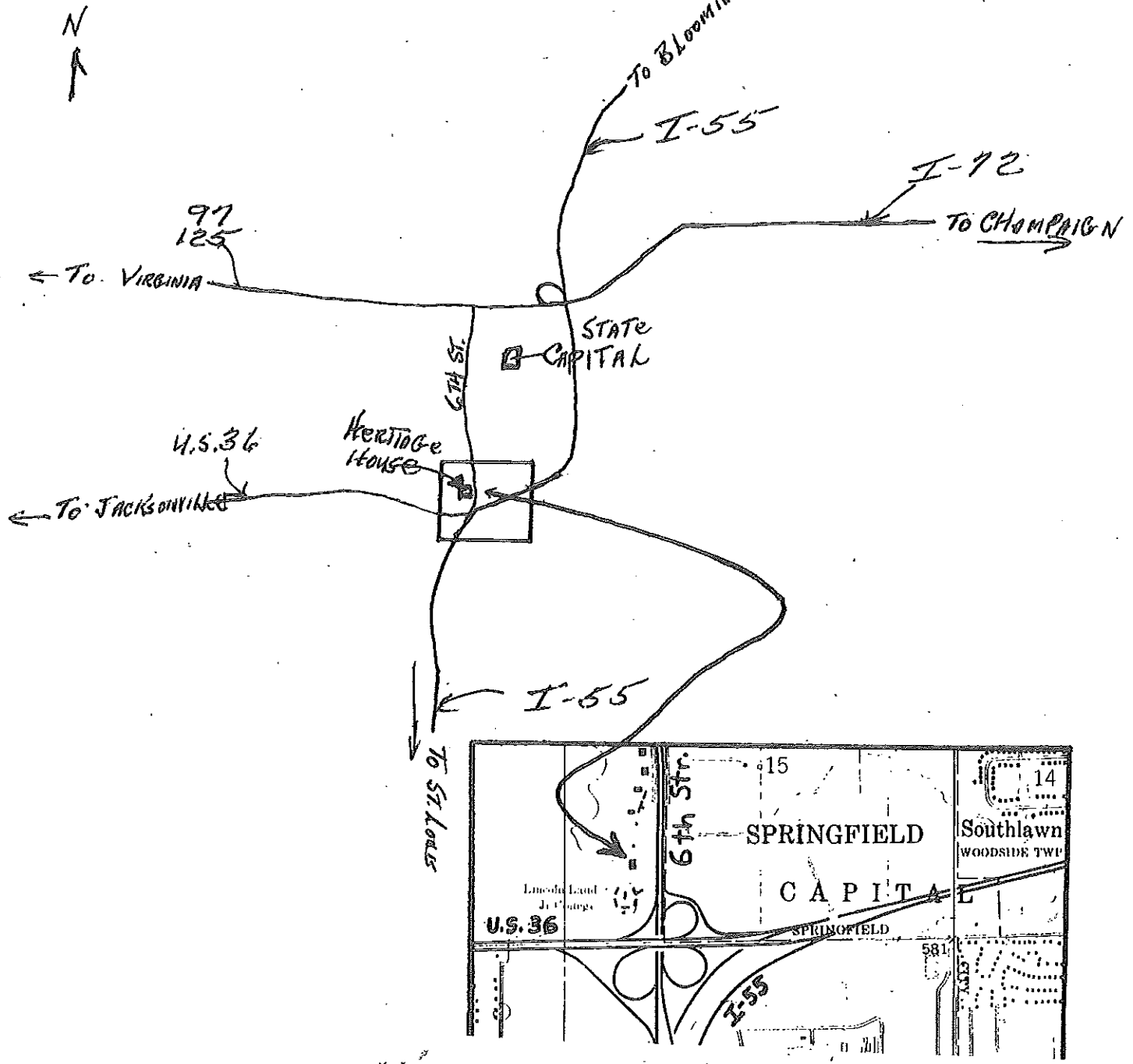
Program Committee,

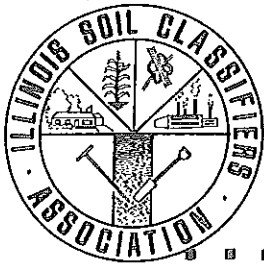
Ray Herman

Paul Youngstrum

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Map Sketch to the Heritage House,  
\* Springfield, Illinois \*





# ILLINOIS SOIL CLASSIFIERS ASSOCIATION

## MESSAGE FROM THE ETHICS, REGISTRATION, AND MEMBERSHIP COMMITTEE

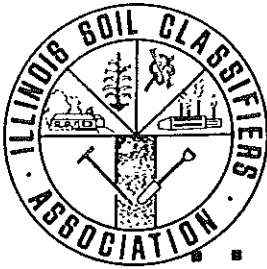
There are new and different challenges in the wise utilization and conservation of soil resources in Illinois, and the public is demanding evidence of professional credibility in these areas.

In order to more effectively advance the professional interest of the soil scientists/soil classifiers in Illinois and increase public awareness of our organization, the ISCA needs to increase its membership.

As members of the ISCA, you are encouraged to contact prospective members and explain the benefits of belonging to the Illinois Soil Classifiers Association. Invite them to join the ISCA and lend their ideas and support for the important task of obtaining broader public acceptance of the importance of soils and soil classifying as a profession.

S P R E A D   T H E   W O R D !

Membership applications can be obtained by filling out the following form.



# ILLINOIS SOIL CLASSIFIERS ASSOCIATION

June 1982 Newsletter

## ANNUAL MEETING NEWS

The 7th Annual Meeting of the Illinois Soil Classifiers Association was held March 27, 1982 at the Heritage House, Springfield, Illinois. There were 54 members, spouses and guests in attendance at the 11:30 a.m. buffet luncheon. After lunch guest speakers Duane Johnson, Assistant State Conservationist, Soil Conservation Service and Ron Darden, Chief Bureau of Farmland Protection, Division of Natural Resources spoke on the topic, "Agricultural Land Evaluation and Site Viability Assessment System."

This is a process of rating the soils of a given area and placing them into groups ranging from the best suited to the poorest suited for agricultural purposes. The rating process is done in two parts. Part 1 is a land evaluation of quality for agriculture use based on soil surveys. Part 2 is a site assessment of other factors besides soils that affect their use in the community. The weights given to the various factors used in the rating process are set at local levels. After the system is developed, it is a valuable tool to aid decision makers, but it does not take away the power of local officials to make land use decisions.

Before the meeting, reports from two radio stations were present to interview President Higgins, who opened the business meeting at 2:20 p.m. He encouraged the membership to get to know each other and to make ourselves and our goals better known to the people of the state. Secretary-Treasurer, Lester Bushue, reported on the last Annual Meeting and Summer Meeting. Another effort was made to establish a NOW account, but was not found to be of any advantage to us, considering the interest and fees. ISCA gave \$25.00 to the Field and Furrow Club of the University of Illinois on March 15, 1982 for their soil judging contest. The money was used to sponsor one half of the 2nd place award in the experienced division. A thank you note was received from Earl Allen who won the prize. New stationery was printed for ISCA March 26, 1982 that included the new ARCPACS logo. The treasury contained \$1,490.02 on March 27, 1982 which included income of \$1,011.30 and expenses of \$338.52.

Committee Reports were given by Grantham, Calsyn, Follmer, Herman, Wallace, Paschke and Zwicker. A motion was passed that the spring newsletter carry a notice that members shall be listed as delinquent if dues remain unpaid for 60 days after January 1 and dropped from membership if dues remain unpaid for 90 days. First notice will be sent out in November of each year. Paschke reported the results of the election: Dana Grantham, Vice President and John Doll, President-elect. President Higgins passed the gavel to incoming President Roger Windhorn. The first action of President Windhorn was to announce the chairmen of the committees for the following year:

Certification Board.....Steve Zwicker  
Constitution and By-Laws.....Mike Lilly  
Ethics, Registration and Membership..Dale Calsyn



Finance.....Dana Grantham  
Newsletter.....Leon Follmer and Wells Andrews  
Nominations.....Steve Higgins  
Program.....Don Wallace  
Public Relations and Education.....Mark Bramstedt

#### COUNCIL MEETING NEWS

Following the Annual Meeting, March 27, 1982, a council meeting was called by President Windhorn. After further discussions on the expenses of operating the Certification procedures, the Council approved the following changes in the fees:

Raise Certification renewal fee from \$2.00 to \$5.00  
Raise application fee from \$10.00 to \$15.00  
Raise lapse renewal fee from \$5.00 to \$7.00

A suggestion was made to give a prize to the Field and Furrow's soil judging contest as a memorial to Burt Ray. New members that have applied and have been approved are Robert Darmody and Scott Martin and as associate members Tonie Endres, Robert McCallister and Nan Ette Story.

#### ISCA SEEKS RECOGNITION

Experience proves that recognition does not come from desire, but from doing. So whatever you can do, help the ISCA do it. For some time many ISCA members have been concerned about improving the visibility of the ISCA to the general public and ways to better serve the professional interest of our membership. A related concern is communicating with those who need to know what the ISCA is and what we stand for. Past President Higgins, at the January Council meeting, discussed that it would be desirable to issue a statement of purpose that could be sent to other organizations and agencies. This is an excellent idea that should be carried out. As an outgrowth of this concern, Higgins invited officials on state agricultural committees to our Annual Meeting on March 27, 1982, but unfortunately none were able to attend. The Council recommended that we send our Newsletter to Agricultural Committee Members and to other officials with interest in soils and land use.

#### OUR MAN IN THE NEWS

Last January, Richard Sims, Soil Scientist in Tazewell County, was a guest speaker with Bill Mason, a farm reporter on WMBD Channel 31 Peoria, an affiliate of CBS. They discussed the procedure of conducting a progressive soil survey. Also discussed was the writing and publishing of the soil report. He showed a series of seven slides: soil scientist probing the soil, profile of the topsoil in a soil probe, and two soil scientists examining the physical properties of the subsoil in a monolith tray. Also shown was a Munsell Color Book that demonstrated the different colors a soil scientist has to be aware of while mapping. Map finishing was demonstrated by a finished photo with special emphasis on slope classes and erosion modifiers. Three soil reports were displayed. Other information about the Tazewell County soil survey was covered.

#### KNOX COUNTY NEWS

Duane Johnson and Ron Darden presented their program again in Galesburg on April 19, 1982 on the Land Evaluation and Site Viability Assessment System. The presentation was similar to the one given at our Annual Meeting. They spoke to about 25 members of the Knox County Board, Knox County SWCD Board, SCS personnel, Supervisor of Assessments, Zoning Administrator, and other interested individuals. Once again, the urgency and importance of protecting our prime farmland was stressed.



NOTES FROM PRESIDENT WINDHORN

My main goal this year is to increase our membership. We must continue to "push forward" and increasing membership is one important way. Are all the soil scientists or associates you work with members of ISCA? If they aren't, ask 'em. Maybe just as important, if they say "no," find out why. We need to know how we can better serve their needs!

Following this paragraph is a copy of a letter I recently sent, on behalf of ISCA, to the Office of Surface Mining, U. S. Department of the Interior, Washington, D. C. regarding reclaiming surface mined prime farmland. This issue was brought to my attention about one day before the end of the "comment" period. Because of this, I didn't have time to confer with the Council. I hope this letter accurately represents the feeling of those in ISCA concerning prime farmland protection. Please, don't hesitate to inform me if this is not the case. I feel it is important that we, individually and as an Association, make our opinions known on issues regarding our soil resources:

"Dear Sirs:

The comments below are regarding the Office of Surface Mining's proposed rule making on the prime farmland cut-off date, published in the Federal Register on March 22, 1982 (47 Fed. Reg. 12310, TSR-05).

We, the Illinois Soil Classifiers Association, are vitally interested in the mapping and classification of the soil resources of Illinois and in their wise use. The soils of Illinois and of the Midwest are some of the most agriculturally productive soils in the world. Agriculture is a thriving business here, supporting thousands of individuals directly engaged in farming and many more thousands indirectly engaged in agri-business industry. Agriculture here produces the food that much of the nation and much of the world consumes. The agricultural base that serves as the cornerstone is the soil.

This productive prime farmland must not be permanently taken from this base. Surface mining is needed to provide us all with energy, but farmland is also needed to feed a growing population. Prime farmland which has been surface mined must be returned to a pre-mining condition to permanently protect our agricultural base.

Of the two options proposed in the Federal Register mentioned above, Option A, which sets a mandatory August 3, 1982 cut-off date after which all prime farmland would be required to meet the special protection of the Surface Mining Act, is the only acceptable one.

Sincerely,

Roger D. Windhorn, President, Illinois Soil Classifiers Association."

A SPECIAL OCCASION

Steve Higgins married Susan Nobbe Saturday, May 15, 1982. The wedding including a reception, dinner and a dance was held at Waterloo, Illinois. The bride is the daughter of Mr. and Mrs. Edward Nobbe of Waterloo.

The bride and groom took a honeymoon cruise to the Virgin Islands. Upon their return, they plan to make their home at Hecker, Illinois. They picked a rather

inappropriate time to get married as this is the prime mapping season. The soil scientist attending the wedding, however, helped out by mapping 360 acres the morning prior to the wedding. If you believe this, I'll have another one for you next time. (WA)

#### CERTIFICATION BOARD ACTIVITIES

Chairman Steve Zwicker appointed two new members, Richard Bond and Joe Fehrenbacher, to replace Chuck Frazee and John Alexander. The board for 1982: Zwicker, Chairman; Parks, Vice-Chairman; Bond, Sec-Treas.; Awalt, Fehrenbacher and Weiss are members. At the present 28 members of ISCA are certified.

#### JOE FEHRENBACHER TO RETIRE

Dr. J. B. Fehrenbacher will retire September 1, 1982, after a long and productive career in soil science in the University of Illinois Agronomy Department. In addition to his teaching and research, Joe has helped many groups and individuals use basic information to solve practical soil management and land use problems. Although his effort has been concentrated on soil genesis and classification in Illinois, he has also worked on regional, national, and international problems in soil science.

On July 24, 1982, friends of Joe Fehrenbacher will meet at the Ramada Inn, 1505 South Neil Street, Champaign, Illinois to honor Joe for his many accomplishments and to visit with him and his wife, Nell, as they enter a period of greater freedom in their lives. There will be a cash bar at 6:00 p.m. and dinner at 7:00 p.m. The cost of the dinner will be \$12.00 per person.

Reservations and payment for the dinner and gift must be received not later than July 15. Please make checks payable to "Fehrenbacher Recognition" and send to John Alexander.

#### LETTERS FROM MEMBERS

From Arizona, Loyal Reinbach writes in March that it is 75 degrees, "warm enough to limber up." While on a trip to Tucson, he stopped in Chris Cochran's office, but could not find him. He was told that Chris was unloading a truckload of soil survey reports. Later Chris told Loyal that he was chasing down equipment to transfer "the 14 tons...to a small rat and termite infested garage." (Good story, but we still wonder what took so long.) Loyal says that Chris is having fun, with helicopters and things.

Tried to grow tomatoes, Loyal laments, but they turned black. In a unique way, Loyal reports on the composition of the topsoil there; 1 boulder, 4 big rocks, 18 small rocks, 45 pebbles, 4 cups sand, 1 tablespoon silt, and 1 teaspoon clay. "The cactus do quite well on it, Jackrabbits, too." He invites us all to visit him sometime.

#### COUNCIL MEETING NEWS MAY 8, 1982

President Windhorn called a Council Meeting at the Peoria County Soil Survey Office. Members present were Windhorn, Zwicker, Doll, Lilly, Calsyn and Bramstedt. Windhorn reported that he sent a letter to OSM representing ISCA concerning restoration of prime farmland and received no objections.

In discussion of business, Calsyn reported he sent ISCA information to ARCPAS. Windhorn will check on status of letter to submit for a news release concerning the ISCA. Bramstedt will pick up on University contracts, will continue to develop plans for a "Burt Ray Memorial Award," and inquire about the possibilities for setting up conference call procedures for future Council Meetings.

### EDITORIAL: SOIL CLASSIFICATION -- FOR --?

Classification is an integral part of soil mapping; the two activities cannot be separated and it was inevitable that discussion of soil classification in this journal would not be long delayed. The contribution from New Zealand, which is engaged in a major re-appraisal of its soil classification, is especially pertinent.

The soil classification must be a part of the surveyor's interpretation of the landscape, serving to organise the information gathered in the course of the survey so that it can be understood and acted upon by the users of the survey. Yet the higher categories of soil classifications --- that is, the categories above the soil series --- often form a barrier between the surveyor and the user, however useful they may be as a conceptual framework for the pedologist. Most general-purpose soil surveys are avowedly intended to assist agricultural and forestry development. The frustrations of the user can be readily appreciated if the soil properties used in the soil classification are not obviously related to the properties about which he needs information --- the soil-related requirements for crop growth. In 1962 Norman Taylor listed these as follows:

- space in which to grow.....
- a stable site
- a site without too much competition from other forms of life
- a satisfactory temperature range
- adequate air
- adequate water
- satisfactory penetrability for roots
- satisfactory nutrient supply
- freedom from toxins

(Presidential address to the Int. Congr. Soil Sci., New Zealand)

How does your soil classification stand comparison? Are the properties employed as differentiating criteria those that are relevant to agriculture and forestry; and if not, why not?

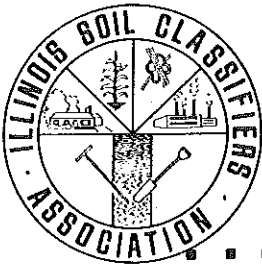
Apart from being a vehicle of communication between the surveyor and the user, the classification is also a mental framework within which the field surveyor works. Every surveyor has his own ideas about classification, but in any national survey organisation carrying out systematic, general-purpose survey, the man operating in the field is constrained by the legend within which he has to map. Soil properties not employed in the classification are likely to receive scant attention under the pressure of mapping, even at the level of the soil series. At the end of the day, if the identification of clay skins by microscopic examination of thin sections, or the percentage extractable iron, receives more attention in the soil classification than the range of available water capacity, then interpretation of the soil map in terms of drought-resistance or irrigation requirement is likely to be unsatisfactory.

Development of classification at the soil family level, according to practical criteria, is one approach to the problem of interpretative grouping of soil series. The extent to which higher categories of classification are intended to be, or can be of value in interpreting soil surveys is a question for further debate.

David Dent  
Anthony Young

## MEMBERSHIP 1982

- \* ACKER, Lawrence, Route #2, Summer Hill Road, Polo, IL 61064 (815-946-3001)
- \* ALEXANDER, John D., 2607 Melrose Drive, Champaign, IL 61820 (217-356-4649)
- \* ALEXANDER, Jerald L., 405 West College Avenue, Box 1, Howard, SD 57349
- \* ANDREWS, Wells, 2301 Sumac, Champaign, IL 61820 (217-352-6272)
- \* AVALT, Fred L., 800 Gordon, Effingham, IL 62401 (217-342-4711)
- \* BARTELLI, Lando J., 1414 Cedar Street, Hancock, MI 49930 (906-482-2379)
- \* BERNING, Gerald V., 1213 Combs Avenue, Beardstown, IL 62618
- \* BOND, Richard W., 2207 North Washington, Danville, IL 61832
- \* BRAMSTEDT, Mark W., 820 Florence, Galesburg, IL 61401 (309-343-9326)
- \* BUSHUE, Lester J., 1911 Scottsdale, Champaign, IL 61820 (217-359-7447)
- \* CALSYK, Dale, 531 East Union, Virginia, IL 62691 (217-452-3514)
- \* COOPER, Gregg A., 849 Hale Avenue, Edwardsville, IL 62025
- \* CHRIST, Richard, Plant and Soil Science Department, SIU, Carbondale, IL 62901 (618-837-3515)
- \* COCHRAN, Christopher C., 3241 North Romers Road, Tucson, AZ 85705
- \* DARMODY, Robert G., 809 West Clark, Champaign, IL 61820
- \* DOLL, John C., 137 North Westlawn, Decatur, IL 62526 (217-429-4770)
- \* ENDRES, Tomie, 463 West Decatur St., Apt. 4., Decatur, IL 62522
- \* FEHRENBACHER, Donald J., 602 South Lynn, Apt. 8, Champaign, IL 61820
- \* FEHRENBACHER, Joe B., 1616 Sheridan Road, Champaign, IL 61820 (217-356-6785)
- \* FITZGERALD, Warren J., 1921 Robert Drive, Champaign, IL 61820 (217-359-7676)
- \* FOLLIMER, Leon R., 1208 West William Street, Champaign, IL 61820 (217-359-2090)
- \* FRAZER, Charles J., Route #1, Davenport, IL 62530 (217-628-3518)
- \* GRANTHAM, Dana R., Route #3, Box 42, Pinckneyville, IL 62274 (618-357-2256)
- \* GRAVER, Peggy, 1054 Kalo Place, No. 401, Honolulu, HI 96826
- \* HAMILTON, Gary, 931 West Polk, Charleston, IL 61920
- \* HERMAN, Raymond, J., 53 Pinetree, Seymour, IL 61875 (217-657-2712)
- \* HIGGINS, Stephen K., Box 196, Hecker, IL 62248 (618-473-2880)
- \* INDRONANTE, Sam J., 710 West Randolph, Apt. B., Pinckneyville, IL 62274 (618-357-9024)
- \* JANSEN, Ivan J., 141 South Platt, Monticello, IL 61856 (217-761-9517)
- \* JOHNSON, Lester A., 900 Alexander, Galena, IL 61036 (815-777-1270)
- \* KEENE, Dennis J., 231 North East Street, Carlinville, IL 62626
- \* KIEFER, Linus M., Rural Route, Belmont Acres, Watseka, IL 60970 (815-432-5741)
- \* KING, Laurie (Bonnewell), Route #2, Dietrich, IL 62424 (217-925-5741)
- \* KLINGBIEL, Albert A., 2413 Countryside Drive, Silver Spring, MD 20904 (301-384-5188)
- \* KREZDOR, William R., 208 West Main Street, Apt. 3, Box 44, Sparta, IL 62286
- \* KUBALEK, Emil E., 3408 56th Street Place, Moline, IL 61265 (309-797-6315)
- \* KUHN, Mike, Route #1, Seneca, IL 61360
- \* LARSON, Kermit, Box 80A, Route #2, Perham, MN 56573 (218-346-2178)
- \* LA VAN, Mark R., 314 Douglass Street, Iowa City, IA 52240 (391-338-0581)
- \* LILLY, Michael E., 300 North Jefferson Street, Apt. 20, Jerseyville, IL 62052
- \* LOVE, Charles, 1048 Grand Avenue, Apt. 1, Galesburg, IL 61401
- \* MAPES, D. Rex, 451 Lambourne Avenue, Worthington, OH 43085 (614-846-4856)
- \* MARTIN, James R., 523 Barden, Morrison, IL 61270 (815-772-2038)
- \* MARTIN, W. Scott, 415 South, Monticello, IL 61856
- \* MATUSIAK, M., 110 East North Street, Galesburg, IL 61401
- \* McCallister, Robert, 215 Center Cross, Sycamore, IL 60178
- \* MILES, Clifford C., 207 North Tower Road, Carbondale, IL 62901 (618-457-4542)
- \* MOUNT, Henry R., 17 Great Hill, Newmarket, NH 03857
- \* MURDOCH, Stanley R., 218 N. E. 10th Street, Washington, IN 47501 (812-254-4789)
- \* ODELL, Russell T., 914 Lincolnshire Drive, Champaign, IL 61820 (217-356-2460)
- \* PARKS, Walter D., 116 Apple Lane, Anna, IL 62906 (618-833-6475)
- \* PASCHKE, John E., 591 South May Avenue, Kankakee, IL 60901 (815-932-6631)
- \* PEARSE, John R., Route #2, Box 55, Watson, IL 62473
- \* PHILLIPS, Donald B., Route #1, Shobonier, IL 62885 (618-846-2202)
- \* POPE, Robert A., 1614 Fairlawn Drive, Urbana, IL 61801 (217-367-5207)
- \* PUTMAN, Bruce, 120 West Boyd Avenue, Princeton, IL 61356 (875-4657)
- \* RAHE, David B., 621 High Street, Dixon, IL 61021 (815-288-7807)
- \* REDSCHLAG, Sylvia, Box 752, Catlin, IL 61817 (427-5934)
- \* REINEBACH, Loyal M., 2440 East LaJolla, Tempe, AZ 85282
- \* SABATA, Larry, 1419 Esic Drive, Apt. 4., Edwardsville, IL 62025
- \* SCOTT, J. Wiley, 411 North Dorchester Drive, Mahomet, IL 61853 (271-586-4233)
- \* SIMPSON, Jack L., 1010 North 9th Street, Benton, IL 62812 (618-439-3381)
- \* SIMS, Richard, 302 South Monroe, Mackinaw, IL 61755 (359-5081)
- \* SINCLAIR, H. Raymond, Jr., 410 Montrose Court, Indianapolis, IN 46225
- \* STALEY, Randy E., Peabody Coal Company 122 West Main, Box 164, Jasonville, IN 47438
- \* STORY, Nan, 1930 Pine, Murphysboro, IL 62966 (684-5396)
- \* STEINKAMP, James F., 130 Eaton Drive, Lincoln, IL 62856 (217-732-3798)
- \* TEGELER, Robert A., Box 37, Alledo, IL 61231 (309-582-2123)
- \* VOSS, Earl E., 4009 Farhills Drive, Champaign, IL 61820 (217-352-3089)
- \* WACKER, Carl E., 1065 West Eldorado, Decatur, IL 62526
- \* WALKER, George, 908 Foley Street, Champaign, IL 61820 (217-356-5793)
- \* WALKER, Michael B., 1523 North Pierson, Apt. B., Peoria, IL 61604
- \* WALLACE, Donald L., 643 North Kansas, Edwardsville, IL 62025 (618-656-8230)
- \* WEISS, Benny J., Route #3, Harrisburg, IL 62946 (618-252-4292)
- \* WINDHORN, Roger D., 1394 Arcadia Drive, Galesburg, IL 61401 (309-343-8710)
- \* YOUNGSTROM, Paul, 303 East Lincoln, Monticello, IL 61856
- \* ZWICKER, Steven E., 772 Mayfair Drive, Route 5, Princeton, IL 61310 (875-2279)



# ILLINOIS SOIL CLASSIFIERS ASSOCIATION

November 1982 Newsletter

## Newsletter Contents

Please note that this newsletter contains a summary of news and events since June, 1982, and first and final notice for your 1983 dues.

## Council Meeting News

The Council met at the picnic grounds of New Salem State Park on August 28, 1982. President Windhorn opened the meeting at 10:30 a.m. with 12 members in attendance. Several committee reports were given and are summarized here.

Lester Bushue gave the Secretary-Treasurer reports. On 8/28/82 the treasury had a balance of \$1653.28 after including income of \$539.45 and expenses of \$376.19. Letters were sent to delinquent members in June and in August which brought forth dues from eleven members.

Chairman Calsyn of the Ethics, Registration, and Membership Committee submitted a written report. A list of members has been sent to ARCPACS. Michael Walczynski and Kevin McSweeney, applicants for associate membership, have been approved. Carl Wacker was promoted to full membership status. Don Johnson applied for full membership and was accepted.

Public Relations and Education Chairman Bramstedt reported on several items. He has written to Robert Beck, University of Illinois, about an award, in memorial to Burt Ray, for the Field and Furrow soil judging contest. The committee plans to inquire with agricultural schools in Illinois concerning interest in a state-wide, college level, soil judging contest. Conference telephone calls are expensive, \$70.00 for 8 people for 15 minutes.

Newsletter Co-chairman Follmer reported that the Newsletter circulation is up to about 100. Complimentary Newsletters are being sent to potential members, former members, individuals associated with schools and governmental agencies. The list is with no doubts incomplete, so submit names of people who might be interested.

Program Chairman Wallace discussed the possibility of our next Annual Meeting Program being on classification of disturbed soils or results of disturbed soil studies. An agreement was made that our next Annual Meeting will be at the Heritage Inn, or at some other location in Springfield on March 19, 1983.

In other Council Buisness, a motion was approved to ask Joe Fehrenbacher to be the ISCA Historian to bring the ISCA history up to date and then require the immediate past president to input historical information from his year as president. President Windhorn received a letter from ARCPACS Director Martin Openshaw concerning discounts to members of affiliated chapters. Also, President Windhorn received a response from OSM concerning restoration of stripped prime farmland but no details are available at this time.



Certified

ARCPACS AFFILIATED

### Summer Meeting News

The Council Meeting preceded the scheduled time for a regular Summer Business Meeting. No additional matters were brought forth by the 19 members in attendance, so President Windhorn dispensed with a business meeting. A picnic lunch was held at noon. At 1:p.m. some of the members and guests toured Lincoln's New Salem (a restoration of the community of log cabins). About 16 members and guests went on a 2-hour field trip with Leon Follmer to nearby limestone quarries north of Athens.

The locality from Athens to Springfield and west to the Sangamon County line is the type locality of the Sangamon Soil. The exposure at North Quarry is very similar to descriptions by Worthen (1873) from which the organic zone was named "Sangamon" by Leverett in 1898. After many years of study the Sangamon was more precisely defined as the sequence of weathering horizons developed in till or accretion (gley) deposits below the organic zone. The C-14 ages determined from organic materials from this quarry range from 42,000 to 22,000 years. Most of the deposits in the dated interval relate to the Roxana Silt, the parent material of the Farmdale Soil over most of the area. The Farmdale is a stratigraphic unit best characterized by soil features which fall into the category of a Histosol-Cryochrept catena. The Farmdale is covered by about 4m of Peoria Loess, in which Mollisols have developed that have a peculiar depth of leaching of about 1m. More information is available from Illinois Geological Survey Guide Book 13.

### Certification Board Action

Chairman Zwicker reported on the status of the certification exam. The Board decided to replace questions that dealt with the Universal Soil Loss Equation and Prime Farmland, and to rewrite other questions to improve clarity. The Board will replace discarded questions with ones that pertain to Soil Taxonomy. In the future, examinees will be informed of their scores. The Board decided to have just two regular meetings a year that will correspond with the regular ISCA meetings.

### Become ISCA Certified

Dick Bond, Secretary of the Certification Board, explains why you should become a certified soil classifier. The ISCA Certified Soil Classifiers promote:

1. High standards of professional competence and ethics.
2. Increased awareness of soils information.
3. Wise land use and conservation of natural resources.
4. Pride in their work.

Certified Soil Classifiers receive a very impressive certificate to hand on the office wall. Don't you need one, too?

### New Members

Donald Lee Johnson is the most recent new full member. Don is an Associate Professor in the Department of Geography of the University of Illinois. He was born in Long Beach, California. He received his B.S. degree in Geography and Geology from U.C.L.A. and a Ph.D. degree in Physical Geography from the University of Kansas. He has had experience in soil geomorphic mapping in California, Oklahoma, and Missouri, as well as Egypt.

Michael J. Walczynski is a new associate member. Mike is a soil scientist working for Peoria County mapping soils in Peoria County. He was born in Milwaukee, Wisconsin. He received his B.S. degree in Natural Resources from the University of Wisconsin at Stevens Point. He worked in Arizona for a while taking soil samples and working in a laboratory. He mapped soils in Utah prior to his present position in Peoria.

Kevin McSweeney is another new associate member. Kevin is a graduate student of Soil Science at the University of Illinois. He was born in Chink, Wales. He received his B.S. degree in Botany and Geology and an M.S. degree in Agronomy-Soils from the University of Illinois. He has done research on the surface mine soils in Illinois and some soil mapping with the project soil survey in Macon County, Illinois.

We welcome each of you to ISCA.

#### News from Members

From Arizona, Chris Cochran says he is back to work again, conducting a soil survey of the Rincon and Empire Mountains. However, it sounds like he doesn't like pack horses because he is going in by helicopter. Jerry Alexander writes from South Dakota that he is done with his county a month early. He says the remaining six counties are a little slow coming up with cost-share money and might be surveyed without it. In the time being, Jerry is working in their State Office.

From Maryland, Albert Klingebiel complains about our dues. He suggests reducing the dues for older members. (Editor's note: Good idea? We have a reduced fee for students; we should also have lower fees for old timers and "foreigners." It is obvious that when a member moves out of state, there is less reason to belong to the ISCA. The fee should be enough to cover the costs of the Newsletter. However, those who can afford it are urged to make contributions, or the ISCA is going to wither away.

#### Knox County News

The Final Acre Ceremony was held in Knoxville on 9/24/82 to mark the completion of the soil survey. Five of the surveyors, Windhorn, Bramstedt, Lilly, Love and Matusiak were on hand for the celebration. The last probe was in Tama (I wonder why it wasn't Muscatine? Ed.). Jim Frank, from the Illinois Department of Agriculture, was the featured speaker. Earl Voss, John Eckes (State Conservationist) and other local dignitaries also took part. About 65 people attended who represented many facets of the agricultural industry, including the Citizens for Preservation of Prime Farmland.

#### Culmination of A Good Program

Knox County Party Leader and ISCA President, Roger Windhorn submits the following message:

As I finish up the final items on the Knox County Soil Survey, I find myself thinking back to all the effort and all the decisions

that went into this project. I think of all the discussions we had among the crew members, and, yes, even a few arguments! I think of all the times on Progress Reviews we "discussed" our point of view with others, sometimes convincing them that our point of view was best; sometimes not. But overall, I look back with pride on the entire survey, not because of what any single individual has done, but because through the combined efforts of all the people involved, we have given the users the best information we can on the use and management of their soil resources.

Our survey is, of course, no different than the work others do in soil classification, whether that be in teaching, mapping, research, preparing mine land permits, etc. The point is, be proud of the work you do in soil classification because it represents the best information available for the proper and wise use of our soil resources!

Now the remainder of Knox County crew disperses to begin anew. Windhorn is working out of the Lincoln Area Office and is preparing to begin the DeWitt County survey. Charles Love has moved to Peoria, Mark Matusiak to Whiteside, and Bruce Houghtby to Coles Counties, respectively.

#### Dick Bond Promoted

Dick has accepted the position of Soil Specialist for Manuscripts at SCS office in St. Paul, Minnesota, effective December 1. We all wish Dick the best of luck in his new position.

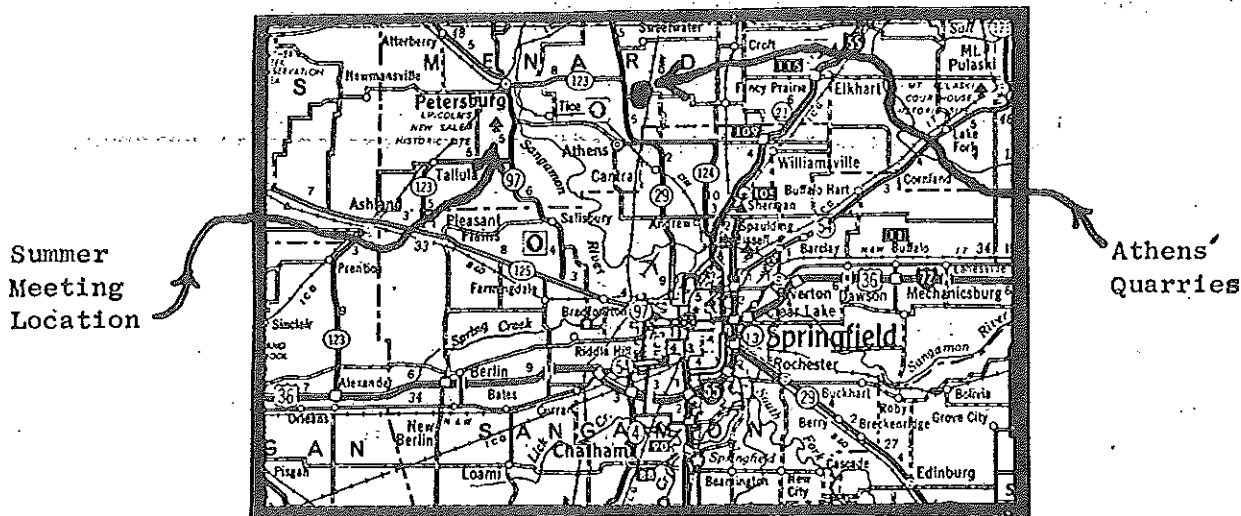
#### Ruhe Discovers Illinois

Forward observer Bill Kresnor informed the ISCA front office last May that Robert Ruhe was in Randolph County collecting cores of soils in loess. In checking the records, Ruhe had applied for his work permit in Illinois and was approved to bring a drill rig and two helpers. Good work Bill for being on the look out. Ruhe is collecting cores about 35 miles apart on two traverses across the Midcontinent where Peoria Loess occurs. His objective is to determine the impact of climate on soil formation and classification by quantitatively relating soil properties to historic climatic parameters and to determine possible "relicts" among soil properties that may be attributed to paleoclimates of the late Quaternary. We understand from Steve Elmer that Ruhe lost some Kelly bars while passing through Henry County. If there is any more information concerning Ruhe's activities please pass them on to the front office.



Summer Meeting plans were formulated:

- Date: August 28, 1982  
Place: New Salem State Park (north of Springfield)  
Schedule: 10:30 a.m. - ISCA Council Meeting and ISCA Certification Board Meeting.  
11:30 a.m. - Potluck lunch. Bring a main dish and a salad or desert.  
Bring your own service and other picnic things.  
1:00 p.m. - Tour Options  
A. Self guided tour of Lincoln's New Salem.  
B. Geologic tour with Leon Follmer. See Modern Soil catena in Peoria loess over Farmdale Soil catena over Sangamon Soil catena.



Send no money, but send us your name and number of guests so we can make the plans for a good time, to Don Wallace.

MESSAGE FROM THE ETHICS, REGISTRATION, AND MEMBERSHIP COMMITTEE

There are new and different challenges in the wise utilization and conservation of soil resources in Illinois, and the public is demanding evidence of professional credibility in these areas.

In order to more effectively advance the professional interest of the soil scientists/soil classifiers in Illinois and increase public awareness of our organization, the ISCA needs to increase its membership.

As members of the ISCA, you are encouraged to contact prospective members and explain the benefits of belonging to the Illinois Soil Classifiers Association. Invite them to join the ISCA and lend their ideas and support for the important task of obtaining broader public acceptance of the importance of soils and soil classifying as a profession.

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REQUEST FOR MEMBERSHIP APPLICATION

Applicant's name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Send requests for membership applications to: Dale Calsyn, 531 East Union  
Virginia, IL 62691