

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

January 31, 1981

Dear Members:

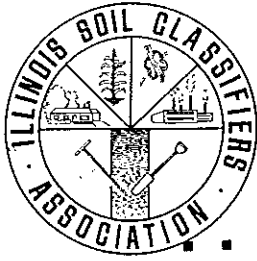
The Sixth Annual Meeting of the Illinois Soil Classifiers Association will be held Saturday, March 7, 1981. The meeting will begin at 12:00 noon with a buffet luncheon at the Innsbruck Lodge, 1207 North Mattis Avenue.

Jim Frank, Superintendent of the Division of Natural Resources, Illinois Department of Agriculture will be our speaker. He will discuss Division programs and activities. A business meeting will follow the speaker.

Please make reservations early. Complete the form below and return it along with a check to cover the total cost by February 28, 1981. Make the check payable to the Illinois Soil Classifiers Association and forward to Earl E. Voss, 4009 Farhills Drive, Champaign, Illinois 61820. If you need to cancel a reservation, notify Earl by noon March 4, 1981. Telephone numbers to call are 217-398-5286 (office) or 217-352-3089 (home).

Program Committee

Earl E. Voss
Don Fehrenbacher



ILLINOIS SOIL CLASSIFIERS ASSOCIATION

March 1981 Newsletter

ANNUAL MEETING NEWS

President Paschke reports there will be a discussion during the annual meeting on the possibility of paying a per diem to council members and committee chairmen attending council meetings. Another item slated for discussion is a possible dues increase.

ILLINOIS CLASSIFIERS AFFILIATED WITH ARCPACS

The following letter was received by President Jack Paschke from Martin Openshaw, Director of ARCPACS dated June 10, 1980:

Congratulations! The ARCPACS Board of Directors has granted the Illinois Soil Classifiers Association the second ARCPACS Affiliated Chapter status.

We welcome the ISCA as an affiliate of ARCPACS and pledge our support to foster professionalism among all soil scientists. The ISCA may display the ARCPACS logo (enclosed) on your stationery as well as the statement "ARCPACS Affiliated Chapter." Individual members are not authorized to display or use the ARCPACS logo unless they are certified by ARCPACS.

You are required to maintain a current list of ISCA officers and officials. The ISCA is to provide an annual list of members usually 30 days after the annual business meeting of the Association.

If you have any pertinent chapter news, please send it to our office. The newsletter editor will review it to determine if it should be placed in our newsletter.

Again, may we congratulate you and express to you our excitement in beginning this chapter affiliation process. Thank you.

CERTIFICATION BOARD MEETS

The Illinois Soil Classifiers Certification Board met October 4, 1980 in Urbana according to C. J. Frazee, secretary. The following applicants were certified as Professional Soil Classifiers:

Wiley Scott	Fred Awalt
Wells Andrews	Chuck Frazee
Walt Parks	Steve Zwicker
Jack Paschke	Don Fehrenbacher
Benny Weiss	Earl Voss
Randy Staley	Les Bushue
Kermit Larson	Mike Kiefer
Joe Fehrenbacher	John Alexander

Members of the certification board are Steve Zwicker, John Alexander, Mike Kiefer, Walt Parks, Wiley Scott, and Chuck Frazee. Other members of the Illinois Soil Classifiers Association who desire to apply for certification may submit an application anytime. Application forms are available from the secretary of the certification board, C. J. Frazee, Rural Route #1, Divernon, Illinois 62530.

INFORMATION FROM THE LAB

It seems like all we hear new in soil information is about disturbed soils, but we do have some notes from Roger Windhorn that we think will be of interest to the membership. We do not have a lot of information on the kinds of determinations they ran.

Roger and staff sampled Reclaimed and Cast Spoil soils for lab tests on bulk density, water retention difference (WRD), and coefficient of linear extensibility (COLE). Water retention difference (WRD) is an approximation of available water capacity (AWC) - the lower limit according to the Lincoln laboratory.

For those not familiar with the proposed series, the Reclaimed soils formed in a replaced mollic horizon topsoil over textured spoil material over graded spoil. The Cast Spoil soils formed in cast spoil overburden. Both soils formed mainly in silt loam to clay loam soil materials.

The bulk density, 1/3 atmosphere moisture, and COLE determinations were made on undisturbed clods and the 15 atmosphere moisture determinations were made on crushed and screened samples.

Roger reports the following:

AWC (WRD): Reclaimed .01 to .08 in. per in.
Cast Spoil .03 to .07 in. per in.

Two natural soils from SCS SOILS-5's for comparison:

Tama .18 to .24 in. per in.
Hickory .11 to .22 in. per in.

Bulk Densities:

Reclaimed - Mollic surface A1 - 1.30 - 1.58
Textured layer C1 - 1.68 - 1.71
Graded spoil C2 - 1.56 - 2.22
Cast Spoil- Thin surface A1 - 1.06 - 1.63
Cast spoil C1 - 1.59 - 1.63
Cast spoil C2 - 1.52 - 1.84

Two natural soils from SCS SOILS-5's for comparison:

Tama A - 1.25 - 1.30
B - 1.30 - 1.35
C - 1.35 - 1.40
Hickory A - 1.30 - 1.50
B - 1.45 - 1.65
C - 1.50 - 1.70

COLE: Classes - low <0.03; moderate 0.03 - 0.06; high >0.06.

Reclaimed - A1 - .035 - .073
 C1 - .029 - .047
 C2 - .016 - .057

Cast Spoil - A1 - .034 - .062
 C1 - .022 - .047
 C2 - .023 - .060

Roger believes that the low AWC of the Reclaimed and Cast Spoil soils is because of the loss of macro and micro pore space. He believes that machine compaction causes this loss. The frequent crop moisture stress on these soils is further evidence of the low AWC. The AWC is low and the bulk density is high on both of these soils even though the Cast Spoil soils have had less manipulation by machines. Bulk densities of greater than 1.7 are limiting to roots in soils with textures similar to those sampled here.

COMPUTERS AND SOIL INTERPRETATIONS

Andy Andrews has been working to get the computer to help out in work with soil interpretations. This is what he has found out so far:

The computer has been used for several years to store and interpret soils data. Most soil classifiers have not had direct access to a computer however. Soil Conservation Service in Illinois is bringing the computer to the field soil scientists.

Several months ago the Army Corps of Engineers Construction Engineering Research Laboratory (CERL) acquired some special computer tapes. These tapes have all of the SCS SOILS-5's for all of the soils in the U.S. on them. They were acquired from the computer center at Ames, Iowa. The tapes were placed in the computer at the U of I. SCS state office staff has been working with CERL helping them to utilize the information on these tapes.

Through a cooperative agreement with CERL the SCS now has access to the soil interpretations. This access is by 43 field terminals and one terminal in the state office. The field terminal may retrieve the SCS SOILS-5 data and interpretations in total or in part. The state office terminal may be used for programming as well as retrieval.

The format is different from the soil interpretations record attached to the series description. The facts are the same though. The difference in the format is because it was developed by CERL for their use.

The main advantage of the computer is the timely retrieval of up-to-date soils data. Soil interpretations are updated every one or two years. All soil interpretation records have been updated six times in the last four and one-half years. Some have been updated more often than that. It is nearly a physical impossibility to copy and distribute approximately 500 soil interpretations records as they are updated. By using the computer to retrieve soils information the field people can provide accurate up-to-date information to the user. New tapes will be acquired as the SCS-SOILS-5's are updated.

There are a number of additional programs being considered. These programs will be analytical. Soil characteristics will be selected and analyzed for specific use.

The computer is a very effective tool which can be beneficial if used. The programs are very simple and easy to use.

THE CHANGING ILLINOIS SOIL SURVEY

The following information on the Illinois soil survey is from Earl Voss. Some of the SCS members may have already seen this information from their area conservationist. The people listed here should provide a fertile field in which to prospect for new Soil Classifiers.

LIST OF COUNTY-EMPLOYED SOIL SCIENTISTS

<u>Name</u>	<u>Employer</u>	<u>Headquarters</u>
Bruce Cate	Brown County	Mt. Sterling
Mike Littleton	Effingham County	Effingham
Dennis Frey	Hamilton County	McLeansboro
Bruce Houghtby	Knox County	Galesburg
Mark Matusiak	Knox County	Galesburg
Steve Ernst	Macon County	Decatur
Dennis Keene	Macoupin County	Carlinville
Randy Leeper	Macoupin County	Carlinville
Greg Cooper	Madison County	Edwardsville
Peggy Graver	Madison County	Edwardsville
Richard Christ	Monroe County	Waterloo
Lonny Lewis	Morgan County	Jacksonville
Chris Banet	Peoria County	Peoria
Nan Story	Perry County	Pinckneyville
Dennis Fielding	Randolph County	Sparta
Manny Martin	Scott County	Jacksonville

PROJECT SOIL SURVEYS

Staffing Requirements Beginning October 1, 1981 - Illinois

<u>Survey Area</u>	<u>Staffing</u>		<u>Remarks</u>
	<u>SCS</u>	<u>County</u>	
Brown County	1	1	*State Funding (FY80 & 81)
Bureau County	3	2	State Funding (FY81)
Calhoun County	1	1	State Funding (FY81)
Cass County	1	2	State Funding (FY81)
Coles County	1	1	State Funding (FY81)
Effingham County	2	1	State Funding (FY81)
Ford County	2	1	
Hamilton County	1	1	Final Correlation Conference 12/81
Knox County	2	2	
Macon County	2	1	
Macoupin County	3	2	
Madison County	1	0	Final Correlation Conference 8/81
Mercer County	2	2	State Funding (FY81)
Monroe County	2	1	
Morgan & Scott Counties	3	2	

<u>Survey Area</u>	<u>Staffing</u>		<u>Remarks</u>
	<u>SCS</u>	<u>County</u>	
Peoria County	2	2	State Funding (FY80 & 81)
Perry County	2	1	
Piatt County	2	2	State Funding (FY81)
Randolph County	2	1	
Tazewell County	2	2	State Funding (FY81)
Vermilion County	2	2	State Funding (FY81)
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	39	30	

*25% cost share by the Illinois Department of Agriculture

NEWS FROM HERE AND THERE

The Henry County soil survey held their final acre ceremony September 19, 1980. Earl Voss, State Soil Scientist, SCS, and Mary Murphy, representing the Superintendent of the Division of Natural Resources, were among the speakers. Representative Tim Donovan, one of the sponsors of the bill for the State of Illinois to cost share in the Illinois soil survey, also spoke.

Fred Awalt reports that the Clark County soil survey report and a program on conservation tillage was presented to the people of Clark County in February 1981. Meetings were held at five location in the county. The use of the soil survey report was explained with the aid of Robert Pope's worksheet.

The University of Illinois is planning a course on classification, use, and management of tropical soils. The course will carry two semester hours or one-half unit of credit. Dr. Nazeer Ahmad, Head of the Department of Soil Science, University of West Indies, St. Augustine, Trinidad will teach the course the first semester it is offered. Dr. Nazeer is coming to the U of I on a visiting Fulbright Professorship. Present plans are for John Alexander to teach the course in later semesters.

Joe Fehrenbacher reports that a committee is making good progress in retaining the B. W. Ray position. The incumbent in this position is responsible for teaching Agronomy 301 among other duties. As the U of I operates on zero-based budgeting, vacant positions aren't easy to retain.

This note came from Henry Mount via John Alexander. Henry indicated there are plenty of stony, gravelly, and rocky soils in New Hampshire, but if Sogn and Rodman were mapped in New Hampshire, they would be "prime farmland."

Ivan Jansen of the U of I was promoted to Associate Professor on September 1, 1980.

Jack Simpson of the Office of Surface Mining worked with Roger Windhorn in Knox County in September. They looked at disturbed and undisturbed soils in the field. They also studied laboratory results of some recently returned soil samples from Knox County.

Jack Paschke attended a meeting of SCS retirees in Champaign on May 20, 1980. They made plans for future activities of the group.

MEMBERSHIP CHANGES

Recent changes in membership status and new members are as follows:

Associate to Full

Lester Johnson - Galena
Bob Tegeler - Aledo
Gary Goodrich - Sheridan, Wyoming

New Full Members

Warren Fitzgerald - Champaign
Larry Sabata - Edwardsville

New Associate Members

Richard Christ - Waterloo
Dennis Keene - Carlinville
John Pearse - Effingham

MAINLY PEOPLE NEWS

The following information was borrowed mainly from SCS's Current Developments. There are names included that are not ISCA members and they should provide a happy hunting ground for our membership to get them signed up.

Promotions:

Gerald Berning - Survey Leader - Mt. Sterling
John Doll - Survey Leader - Decatur
Henry Mount - Assistant State Soil Scientist, Durham, N.H.
Don Fehrenbacher - Survey Leader - Paxton
Sam Indorante - Pinckneyville
John Pearse - Effingham
Mike Lilly - Survey Leader - Hardin
Dave Rahe - Amboy
Dale Calsyn - Survey Leader - Virginia
Bill Kreznor - Sparta
Charles Love - Galesburg
Larry Sabata - Survey Leader - Edwardsville
Mark Carlson - Mt. Sterling
Laurie Bonnewell - Effingham
Randall Moore - Edwardsville
Mark Bramstedt - Peoria
Scott Martin - Survey Leader - Monticello
Gary Hamilton - Survey Leader - Charleston (as of 3/8/81)

Outstanding Performance Rating:

Henry Mount - Champaign
Roger Windhorn - Galesburg

Special Achievement Awards:

Loyal Reinebach - Kankakee
Dale Calsyn - Cambridge
Lester Bushue - Champaign

Reassignments:

Carl Wacker - Decatur
John Pearse - Effingham
Mark Bramstedt - Peoria
Mike Kiefer - Kankakee

Reassignment - Change Accounting Office:

Irene Watterson - Forest Service, Madison, Wisconsin
Christopher Cochran - SCS, Tucson, Arizona
Tyrone Goddard - North Carolina A&T State University, Greensboro, NC
(IPA Assignment)
Richard Bond - SCS, Danville, IL

Pay Adjustment to Full Time:

Bruce Putnam - Macomb
Don Fehrenbacher - Champaign
John Pearse - Effingham
Mark Carlson - Mt. Sterling

Appointments:

Kent Redding - Peoria
Richard Sims - Virginia
Carol McCurry - Effingham
James Ritterbush - Hardin

Retirements:

Loyal Reinebach - Kankakee
Kermit Larson - Broomall, PA

Resignations:

Kent Redding - Peoria

OTHER NEWS

Ray Herman has been Acting Area Conservationist at Lincoln, IL since the death of Albert Seyer in December.

Laurie Bonnewell is engaged to be married to Dan King, an engineer from Indianapolis, Indiana. The marriage is to take place in October.

MEMORIAL

We all were greatly saddened with the death of Burt Ray, our co-worker in soil classification. I personally look back with a fond memory of working for a time under Burt's leadership in the Carroll County, Illinois soil survey.

I have heard numerous tributes to Burt from soil trainees I have worked with that graduated from the U of I. They credited him with a very positive influence in their education in soils.

He was a great help on progressive field reviews. Burt had the uncanny ability of remembering all sorts of details about stops made on soils years before. He always knew where he was at any time in any county during a review while some of the rest of us were not above getting lost. Besides being such capable help on any soil related work, Burt was always a pleasure to work with.

Lester Bushue

John Alexander gave us the following memorial to Burt:

Burton Wiley Ray, Associate Professor of Pedology at the University of Illinois, died October 13, 1980 at Carle Foundation Hospital in Urbana, Illinois. He was 58.

Born near Kewanee, Illinois, Professor Ray received his B.S. and M.S. degrees from the University of Illinois in 1943 and 1950 respectively. He served 3 years in the Armed Forces during World War II as a First Lieutenant in the Field Artillery.

Professor Ray began his professional career as a soil scientist in 1946 with the Soil Conservation Service and later with the Bureau of Plant Industry, Soils and Agricultural Engineering.

In 1948 he joined the Illinois Soil Survey as a Research Assistant of the Department of Agronomy at the University of Illinois. He was made Assistant Professor of Pedology in 1960 and Associate Professor of Pedology in 1970.

Professor Ray was associated with the Illinois Soil Survey for more than 35 years and during that time served as soil survey leader in McHenry, Carroll, and Stephenson Counties. In later years he worked throughout the state in soil correlation and soil survey quality control. Also during this period he conducted research on many Illinois soils which led to better management and conservation, and higher productivity of Illinois soils. He was author or coauthor of many scientific papers and bulletins pertaining to the soils of Illinois. In 1970 he shared, with two other authors, in a national award given by the American Society of Agronomy for the best article to appear in "Crops and Soils" magazine that year. In 1965 he spent 3 months on soil survey investigations in Pantnagar, Uttar Pradesh, India.

Professor Ray was a dedicated teacher. He enjoyed teaching, working with, and advising students. He taught Agronomy 301 - "Soil Survey - With Emphasis on Illinois Soils" for more than 13 years. Three times during his career he was given the "Outstanding Agronomy Instructor Award." He advised several M.S. graduate students in addition to his undergraduate teaching program.

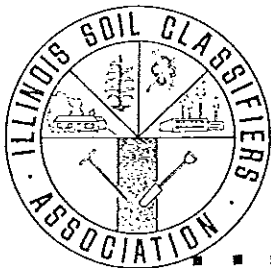
From July 1, 1980 to the time of his death, he was on sabbatical leave working with Plato - a computer-electronic teaching device - improving his capability to offer soils information to students in new and exciting ways.

He was a charter member of the Illinois Soil Classifiers Association in 1975. In 1976 he was elected Vice President and served on the Newsletter Committee in 1975, 1976, and Chairman in 1977. He was a member of the Nominations Committee in 1978 and in 1979 the Finance Committee. Burt was a tireless worker in the Illinois Soil Classifiers Association in which he served in some official capacity since its inception. We will miss him and his good advice and council.

He was also a member of the American Society of Agronomy, Soil Science Society of America, Soil Conservation Society of America, Alpha Zeta, Gamma Sigma Delta, Sigma Xi, Phi Kappa Phi, Phi Eta Sigma.

The Newsletter Committee

Lester Bushue
Fred Awalt
Stephen Higgins



ILLINOIS SOIL CLASSIFIERS ASSOCIATION

MINUTES OF THE ILLINOIS SOIL CLASSIFIERS ASSOCIATION
COUNCIL MEETING
CHAMPAIGN, ILLINOIS, APRIL 11, 1981

Members present were Mike Walker, Robert Pope, Don Wallace, Dana Grantham, Roger Windhorn, Leon Follmer, Jack Paschke, Lester Bushue and President Steve Higgins.

The meeting was called to order by President Steve Higgins at 10:40 AM. He asked for the Secretary-Treasurer's report.

Minutes to the annual meeting written by former Secretary-Treasurer John Alexander were handed out to all present. Also handed out were minutes to the Council meeting held immediately after the annual meeting and an up to date treasurer's report.

After some discussion about the number of members who haven't paid their 1981 dues, the secretary-treasurer was directed to send them a dues notice.

A letter was read from Robert Beck thanking ISCA for support of their Field and Furrow soil judging contest. After some discussion on what to do about future contests, a motion was made by Jack Paschke and seconded by Don Wallace to approve the treasurer's report. A second part of the motion was to award \$25 to future Field and Furrow soil judging contests at the discretion of the secretary-treasurer. The motion passed.

A motion to approve the minutes of the annual meeting and the meeting following the council meeting was made by Don Wallace and seconded by Robert Pope. The motion passed.

It was moved by Don Wallace and seconded by Roger Windhorn for the secretary-treasurer to have 2000 envelopes and 4000 sheets of stationary printed with the ARCPAC's logo on both. The logo will go on the lower left side.

The next council meeting will be held following the summer meeting.

COMMITTEE REPORTS

Constitution and By-Laws

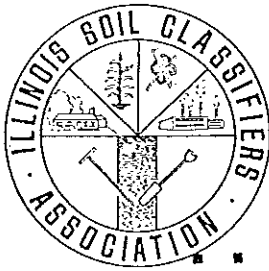
Dana Grantham, chairman, presented a written report of changes in section 10 of the By-Laws (copy as amended attached to these minutes). Another change in the BY-Laws, not included in the present reproduced copies, is the change in student membership fees.

Don Wallace moved and Leon Follmer seconded a motion that the membership be notified of the changes in the Constitution and By-Laws by publishing the changes in a newsletter. The official copy of the By-Laws will be maintained by the chairman of the Constitution and By-Laws Committee. The motion passed.

Ethics, Registration and Membership

The report of this committee was given by Roger Windhorn.

1. Dick Bond's application for membership was approved.
2. Bruce Putnam's application for membership was approved subject to the approval of the membership committee.



ILLINOIS SOIL CLASSIFIERS ASSOCIATION

Nominations

Chairman Jack Paschke has his committee members chosen.

Public Relations and Education

1. Chairman Robert Pope suggested we work with vo-agricultural people in helping with land judging contests in schools.
2. Dana Grantham suggested having an open land judging contest that would be held on the second day of a regular land judging contest.
3. Leon Follmer suggested the possibility of recognizing the land owner where the land judging contest was held.
4. The suggestion was also raised to recognize the high individual in the land judging contest.

After a suggestion by Jack Paschke, Don Wallace made the motion, seconded by Roger Windhorn, that we pay the \$18.00 membership dues to get a member in the Illinois Environmental Council. The member of ISCA chosen for this is the chairman of the Public Relations and Education Committee. The motion passed.

Finance

No report.

Newsletter

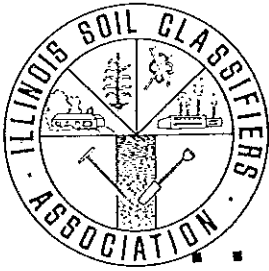
No report.

Programs

Lester Bushue reporting for absent Ray Herman said that Ray favored a summer meeting in conjunction with a bus trip to a baseball game but that Ray would work toward whatever activity was favored by the council.

Don Wallace moved and Dana Grantham seconded that the summer meeting be held at Cahokia Mounds. The motion passed.

Members would go on a short Geological field trip or tour the Cahokia Mounds area. Don Wallace and Leon Follmer will assist with local arrangements.



ILLINOIS SOIL CLASSIFIERS ASSOCIATION

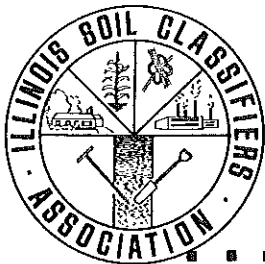
Special Committee

Mike Walker reported on ISCA patches. The swiss embroidered patches cost \$8.75 each. Three inch size silk screen patches cost \$1.00 each.

Don Wallace moved and Roger Windhorn seconded that we buy 100 silk screen patches with a black background, black stitching and a yellow logo. The size would be 2.5 inch diameter. The motion passed.

The meeting was adjourned at 1:15 PM.

By Secretary-Treasurer- Lester Bushue



ILLINOIS SOIL CLASSIFIERS ASSOCIATION

July 1981 Newsletter

ANNUAL MEETING NEWS

On March 7, 1981, 40 members and guests attended the 6th Annual Meeting of the ISCA at the Innsbruck Lodge, Champaign. Following a buffet lunch, Gary Wood of the Illinois Department of Agriculture, Division of Natural Resources, stood in for Jim Frank, Director of DNR, as guest speaker for the annual meeting. Mr. Wood presented a slide program prepared by the DNR on "Soil Erosion and Prime Farmland."

President J. E. Paschke presided at the business meeting. Secretary-Treasurer J. D. Alexander read the minutes of the 1980 Annual Meeting and the 1980 Council Meetings, and reported a treasury balance of \$1036.44 as of March 7, 1981.

COMMITTEE REPORTS

Constitution and By-Laws: Dana Grantham reporting for Tyrone Goddard, Chairman, made a motion that the Newsletter Committee be added to the list of the Standing Committees. The motion passed by unanimous vote. In other action taken, the Newsletter Committee Chairman was added to the Council Membership. (The function and duties of the Newsletter Committee was discussed at the April 11, 1981, Council Meeting).

Ethics, Registration, and Membership: Roger Windhorn, Chairman, reported:

1. The Standards for Certification of Professional Soil Classifiers has been reworded and distributed to the membership by Wiley Scott as directed by a 1980 Annual Meeting decision.
2. The ISCA has become the second state association to be granted ARCPACS Chapter Affiliation status.
3. The Committee decided not to form a separate subcommittee on membership.
4. The Committee suggested changes in the wording and color of membership certificates of affiliate and student members to eliminate confusion of status.
5. Suggested formalizing procedures and guidelines for submitting nominations for Honorary Membership.
6. Suggested lowering the annual dues of student members to \$3.00. A motion was called and passed.
7. Suggested that more incentives for student membership be further developed.
8. Plans to develop a Prospective Membership Packet including application forms in the near future.
9. Gary Goodrich, Bob Tegler, Lester Johnson and Bill Kreznor have been granted full member status.

10. Recommendation and approval of 10 new members: Affiliate Member, Fraser Scholes; Associate Members, Charles Love, John Pearse, Laurie Bonnewell, Richard Christ, Dennis Keene, Mark Matusiak and Mike Kuhn; and Full Members, Warren Fitzgerald and Larry Sabata.

Finance: John Doll, Chairman, presented a motion for a reimbursement plan and an increase of annual dues. Both were approved. Now members can claim ten cents/m when they attend council meetings and for other approved travel, excluding annual meetings. The dues will be raised from \$10.00 to \$17.50/yr after the 1982 Annual Meeting, except for student dues which will remain at \$3.00.

Newsletter: Lester Bushue, Chairman, reported that two newsletters were sent out last year.

Program Committee: Earl Voss, Chairman, reported that there was no summer meeting last year and that efforts were directed towards the annual meeting.

Public Relations and Education: Don Wallace, Chairman, reported that brochures explaining the ISCA are available.

Certification Board: Steve Zwicker, Chairman, reported that the Board met three times last year and certified 19 members.

Nominations: Benny Weiss, reporting for Mike Kiefer, Chairman, reported that 43 ballots were cast in the 1981 election. The results were:

Vice President - Don Wallace
President-Elect - Roger Windhorn
Secretary-Treasurer - Lester Bushue

Special Committee: Mike Walker, Chairman, reported on the cost of patches and caps for ISCA. Quotes on silk screen patches ranged from \$1.00 to \$2.00 each. No prices for woven patches were available at this time, but a consensus was reached to get the higher quality woven patch and sell them to the members.

New Committee Chairmen:

Incoming President Steve Higgins named the following committee chairmen:

Dana Grantham - Constitution and By-Laws
Dale Calsyn - Ethics, Registration and Membership
Jack Paschke - Nominations
Don Wallace - Finance
Ray Herman - Programs
Bob Pope - Public Relations and Education
Leon Follmer - Newsletter

MARCH COUNCIL MEETING NEWS

A council meeting was held at the Innsbruck Inn following the annual meeting March 7, 1981.

President Higgins nominated Fred Awalt and Benny Weiss to serve on the Certification Board and were approved by the Council. New stationery is being prepared which will include the ARCPACS logo on the bottom of the sheet. Three council meetings are planned for the coming year.

APRIL COUNCIL MEETING NEWS

The Council met at the State SCS Office in Champaign on April 11, 1981, and discussed a full agenda. The following is a summary of the important business.

The participation of the ISCA in soil judging contests was discussed, and the Council agreed that ISCA members should promote and assist in the organization of local contests. The ISCA presented \$25.00 to the winner of a contest hosted by the Field and Furrow Club, University of Illinois, last year and plans to continue and broaden this activity in the future. Certificates of recognition for individual and team winners, and for landowners was discussed. Procedures for awarding the certificates was not established.

The relation of the ISCA and the Illinois Environmental Council was discussed and was decided that ISCA investigate the possibility for the ISCA to pay dues for Bob Pope, Public Relations Chairman, and have him represent the ISCA for information purposes.

Mike Walker discussed more choices for an ISCA patch. The Council decided to pursue a plan to get a 2 1/2 inch circular patch which will have a silk-screened logo in black on yellow material with black stitching around the border.

Dana Grantham presented a proposal for the insertion of a section describing the Newsletter Committee into the By-Laws under Article VIII as Section 10. After discussion his proposal was accepted. A separate page will be prepared to insert into the present Constitution and By-Laws as amended 2/26/77. The Section states that the Committee consists of not less than 3 members and describes 3 areas of duties: (1) To distribute a newsletter 3 times a year or more with the first one including a summary of the annual meeting, (2) to include in the newsletter, news, membership activities, and items related to the goals and objectives of the ISCA, and (3) to distribute membership lists of the ISCA, the Council, Certification Board and Committee Chairmen.

OTHER NEWS

John Alexander and Wells Andrews have been appointed to the Newsletter Committee. Many favorable comments have been received on the "Information From The Lab" submitted by Roger Windhorn in the last newsletter. Let's have more articles like this. Send your ideas and news items to one of the Newsletter Committee members.

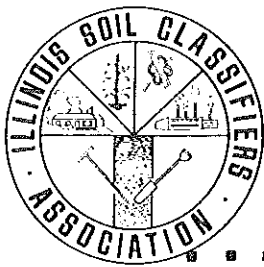
Rich Christ received his M.S. from SIU-Carbondale in December, 1980. His thesis project was a greenhouse study evaluating the potential productivity of soybeans grown in soil from B and C horizons and mixtures of B and C horizons from eight prime farmland sites planned to be surface mined in southern Illinois. Funding and soil were provided by Consolidated Coal Company.

President Higgins recieved the following letter: Dear Mr. Higgins:
Thank you for your support of the Field and Furrow Club's Soil Judging Contest at the University of Illinois. I appreciate the \$25.00 award and I hope that you continue in your support in the contest. Sincerely, Lyle Wetzel, Urbana.

SUMMER MEETING

The summer ISCA meeting will be held on August 22, 1981, at Cahokia Mounds Historic Site (Monks Mound, between E. St. Louis and Collinsville). At 11 a.m. you will have a choice of (1) movies on N. American Indians and Native American Myths or (2) a field excursion with Leon Follmer to the nearby bluffs to see soils and loess stratigraphy. A potluck picnic lunch is scheduled for 1 p.m. At 2 p.m., a 45 minute conducted tour of the area is an option for guests, and at the same time, the ISCA will conduct a business meeting.

Local arrangements are being made by Don Wallace. Bring your family or a friend to share in our activities. Look for a ISCA sign near the museum.



ILLINOIS SOIL CLASSIFIERS ASSOCIATION

December 1981 Newsletter

NOTES FROM PRESIDENT STEVE HIGGINS

One of my goals this year is to increase the public's awareness of soils and the Illinois Soil Classifiers Association. We are going to have to promote ourselves, no one is going to do it for us. Why not prepare a news release for your local newspaper about your soil classification activities? Perhaps several of you could get together and make a combined effort and come up with some new ideas. I never cease to be amazed at the ingenuity of our members. If we are to be serious about the objectives of the Association, we need to increase our visibility to the public.

Another goal is to broaden our membership base. Numerous areas of interest and vocations in soil classification are represented by our membership. This diversity is vital to the purpose and objectives of the ISCA. There are several universities in Illinois that should be represented in ISCA. The next time you're back to your alma mater, stop in and let the soils department know about ISCA. Invite them to our annual meeting. Don't limit yourself just to universities and colleges. There are many other individuals and organizations in Illinois who should be aware of ISCA. Let's get them involved, both for our benefit and for their benefit, but most of all for the public's benefit.

I have also heard through the grapevine the Gary Hamilton has reluctantly agreed to pass on the "bent auger" award at our annual meeting this year. I realize it will be difficult to surpass Gary's qualifications for this honor, but start thinking now for your nominee.

SUMMER MEETING NEWS

On August 22, 1981, 17 members and 18 guests attended the 6th Summer Meeting of the ISCA at Cahokia Mounds State Park. Before the potluck picnic lunch, the attendees had a choice of activities. Movies about Indians were presented by the Cahokia Park Staff. A small but interesting museum about the Indian history of the area was open to the public. Leon Follmer lead a two hour field trip to the loess bluffs near Collinsville. Peoria and Roxana loesses were seen as well as a buried soil (Jules) within the Peoria, the Farmdale Soil in the top of the Roxana, and the Sangamon soil below the Roxana.

Following lunch the whole group was lead on a tour of Monks Mound. Then President Higgins called the business meeting to order at 4 P.M. Secretary-Treasurer Bushue read the minutes of the last Annual Meeting, reported on the 4/11/81 Council Meeting, and reported a treasury balance of \$992.85 as of 8/21/81. Notices were sent to members who had not paid their 1981 dues and all responded with payment except two.

Summary of Committee Reports: Dana Grantham reported that an approved revision of Article VIII, Section 10 of the By-Laws concerning the function and duties of the Newsletter Committee is ready. (A separate page has been produced to replace Page 14. A copy is included with this newsletter). Dale Calsyn reported that three membership applications have been received and are submitted for consideration by the Council. Leon Follmer asked about the assistance the ISCA might make to land judging contests in the State. Mike Kiefer is working with the Vocational Agriculture Service concerning these contests and will assess the possibilities. Mike Walker reported that the ISCA patches cost 90 cents each. A motion was passed to give each member one patch and to sell additional patches for \$1.25 (available from Mike Walker or Leon Follmer). Patches were handed out to attending members and the others will be mailed with this newsletter. Chuck Frazee reported that Roger Windhorn, Don Wallace and Emil Kublick are now certified by the ISCA.

Summary of Council Meeting: President Higgins called a Council meeting following the close of the Summer Meeting. A motion was passed following discussion to not pay mileage to council members for attending the Annual and Summer Meetings. Applications by Gary Hamilton for full membership and by Peggy Garver and Gregg Cooper for associate membership were approved. Promoting membership in the ISCA was discussed and was agreed that making contacts with all state schools with soil science curriculums would be valuable. Members of ISCA should develop contacts with colleges they know and encourage a staff member to interact with the ISCA and to enhance student interest in ISCA activities. (Ed. Note. The ISCA should plan some activities to be of interest to students).

MADISON COUNTY FINAL ACRE CEREMONY

On October 10, 1981 the Final Acre Ceremony for the Madison County Soil Survey was held. ISCA members in attendance were Larry Sabata, Gregg Cooper, Don Wallace and Steve Higgins. Don Wallace served as Master of Ceremonies. After many opening praises were made to acknowledge the cooperative efforts made during the survey the Madison staff then bored the final soil core. The last acre site was held on a mapping unit of the newly established Marine soil series. Larry Sabata, Survey Leader, then concluded the program by discussing and pointing out to the public in attendance why the new soil was classified in Madison County and what procedure is used to establish a new series.

NEW ISCA MEMBERS:

Gregg Cooper: Gregg has been a Soil Scientist on the Madison County Soil Survey staff for 2 years. He also has job experience in the area of crop and insect scouting. He is a native of Edwardsville and has a B.S. degree from the University of Illinois - Champaign.

Peggy Graver: Peggy is a Graduate Teaching Assistant for the University of Hawaii, Department of Agronomy and Soil Science. She was a Soil Scientist on the Madison County Soil Survey staff for 1 year. She is a native of Chicago and has B.S. and M.S. degrees from the University of Southern Illinois - Carbondale.

Letters from Members

From South Dakota, Jerry Alexander writes that he is having his final field review in September and plans to finish in October, 1982. In the future he hopes to find another assignment, preferably in Illinois, in the area of soil interpretations and conservation. He is thankful for Les reminding him of the ISCA dues.

From Iowa, Mark LaVan writes that he wants to maintain his association with the ISCA. He is working in Washington County where the loess is thick and overlies paleosol in Kansan till. The soil survey there is about half complete and he is looking ahead to what surveys might be starting in 1983 in Illinois. Sounds as if he has an interest in Illinois too.

Atlanta Report

Several ISCA members attended the national Soil Science Society of America meetings in Atlanta, November 29-December 3. Atlanta is an unusual city with good and bad urban features but the convention facilities are excellent. Many excellent sessions and symposiums on most any topic were offered, which created the problem of deciding which session to attend. Many excellent papers were presented including ones by Ivan Jansen and Leon Follmer.

A symposium of special interest to soil classifiers was one on mineral classes of soils. The focus was on the family level criteria and much emphasis was placed on problems (lack of data, misinterpretations, etc.) and proposed solutions. The rules for determining the control section(s) received a lot of critical analysis and a strong feeling was evident that the rules are unnecessarily complicated and conflicting (and untenable, Editor). In summary, no progress was made on resolving family problems but perhaps the special attention will help bring about needed revisions.

Following the meetings the Soil-Geomorphology Committee sponsored a tour in the Augusta, Georgia area on December 3-5. H. F. Perkins, University of Georgia, organized the tour that was led by Milan Pavich and Wayne Newell, USGS; Maurice Mausbach and Herschel Paulk, SCS. The USGS initiated a geomorphic study of the area in an attempt to determine the age of landforms and associated faults. They quickly recognized the utility in comparing soils and found that the soils were more deeply developed on the Coastal Plain sediments than on the Piedmont saprolite. In the preparation for the tour, the SCS described and analyzed four profiles which rounded out the excellent soil-geomorphology tour.

A topic of considerable interest involved the thickness and character of the solum of Udults. Some Paleudults have E horizons more than 1 m thick and B horizons that do not appear to stop. Subtle expression of rock structure in soils developed on saprolite is used to recognize the C horizon whereas in our region the same pedogenic features are generally recognized as criteria for distinguishing the B2 from the B3. As a consequence the solum of a Typic-Udult there is thinner than a Typic-Udalf in the Midwest. This conclusion is certainly contrary to the predictions made from the commonly accepted theories of pedogenesis. The soils developed in sedimentary deposits are also treated in a similar way. The C horizon is recognized more or less at the first appearance of stratification even though the deposits are extremely altered and B horizon features continue downward to great depths. These topics were discussed at great length and generated much interest.

About 50 people attended the tour and many other soil and geologic features were seen and discussed. It was a good experience to see the interaction of a variety of earth scientists working together with a common set of interests to solve common problems.

New Soil Survey and Land Evaluation Journal

Richard Guthrie¹

A new journal published in England, *Soil Survey and Land Evaluation*, is providing an international forum for professionals working in those fields. The journal covers methods, content, and interpretations of soil survey and land evaluation, and the application of these activities to land use planning and soil management.

The journal will be published three times a year. The first issue, published in January 1981, contains articles about land capability surveys in Zambia, the role of soil survey interpretations in land evaluation, and the soil survey program of England and Wales. Additional features include editorials and reviews of new books about soil classification and land resources.

The editors are Professor Anthony Young and Mr. David Dent of the University of East Anglia. Proposed articles and other editorial correspondence should be submitted to them at University of East Anglia, Norwich, NR 4 7TJ, United Kingdom. Correspondence about subscriptions and related matters should be sent to George Booker, at the same address.

¹SCS, Washington, D.C.

(Reprinted from *Soil Survey Horizons*, V. 22, No. 2, 1981)

Environmental Lament

Environmental issues won the day,
every group was given sway.
Polluted air was the first to go,
industry was a culprit—so,
industrial production had to die.
That act effectively cleared the sky.

Dirty water was a curse,
plowing soil just made it worse.
There was also a hazard of raising dust,
so plows were left idle in their rust.
In those days man's food was dear,
but the water in the streams ran clear.

Birds and wildlife were important then,
they were found in every forest glen.
Where crops and man once called home,
wildlife was now allowed to roam.
Chemicals were outlawed for use by man,
they upset the environment so they were banned.

Yes, the environment won the day,
the world was great—so they say.
The great green forests were let to grow,
good clean water was allowed to flow.
The environment was held to be very dear,
but where man fit wasn't clear.

Man became extinct—as you see,
but the environment was free to be.
The environment was great—it is true,
but someone forgot to give man his due—

For man is part of the environment too.

—Amorphous J. Colloid, III

(Reprinted from *Soil Survey Horizons*, V. 22, No. 1, 1981)

ILLINOIS SOIL CLASSIFIERS ASSOCIATION

1981 - 1982

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