

PREFACE

This is the second S-1 Newsletter for the year 2006. The newsletter contains three sections: S-1 Member News and Announcements, Upcoming Meetings of Interest, and New Job Announcements. To have news and announcements included in future S-1 Newsletters, please send the text (either embedded in an e-mail message or as an attachment) to s-1@uidaho.edu. Newsletters (current and past) and other S-1 information are posted on the S-1 Web Page: <http://soils.ag.uidaho.edu/tuller/s-1/>

1) S-1 MEMBER NEWS AND ANNOUNCEMENTS

A) New S-1 Officers

Per Moldrup – Incoming Chair Elect
David Radcliffe – S-1 Representative to the SSSA Board of Directors

Congratulations to Per and David!

B) SSSA Annual Meeting, Indianapolis, IN, Nov 12-16, 2006

Division S-1 currently has 104 papers (57 talks and 47 posters) scheduled into 2 Symposia and 4 Sessions for Indianapolis. Scheduling is not yet finalized, so all days and times mentioned below are tentative.

S-1 Symposia

There are two symposia scheduled for the annual meeting in Indianapolis. The titles are: (1) “The Dennis E. Rolston Symposium on Soil Bio-Physical and Environmental Controls on Greenhouse Gas Emissions ” in cooperation with divisions A-3 and S-3 (Per Moldrup, S-1 co-organizer); and (2) “Understanding Plant Water Uptake” in cooperation with divisions A-3 and C-2 (Peter Shouse, S-1 co-organizer). The Rolston symposium (all day Tuesday) will include about 16 papers, and the Water Uptake symposium (Monday morning) about 10-12 papers. Both symposia feature an outstanding array of invited and volunteer speakers.

S-1 Sessions

Four sessions with two sections each have been tentatively scheduled for the annual meetings. These include Soil Physical Properties/Processes, Flow and Transport Processes, Measurements and Sensors, and Soil Hydraulic Properties.

A 45-minute discussion period is scheduled following the David Robinson et al. presentation concerning the proposed CUAHSI Hydrologic Measurement Facility, which will be the last paper on Monday afternoon. Division S-1 members are encouraged to participate in this dialogue.

The S-1 Business Meeting is tentatively scheduled for Wednesday from 3-4 p.m., preceding the SSSA Reception which goes from 4-6. The Reception will replace the conventional SSSA Awards Luncheon. It will feature food and drinks, and the major society awards (Fellows, Kirkham, Soil Science Research Award, Soil Science Teaching Award, etc.) will be presented at this time. Several S-1 colleagues will receive awards, so you are encouraged to attend this function (in case the drinks and food aren't sufficient incentive!)

Symposia Sponsored by Other Divisions

S-2 Symposium – “Synchrotron Chemical Characterization and Microtomography of Soil Biogeochemical Processes”

S-6 Special Oral and Poster Sessions – “Drainage Water Management in the Midwest”

This session will highlight current research efforts focused on the use and management of drainage water systems, particularly in the Midwest, where this, and associated best management practices, have the potential for providing environmental benefits and improving water quality.

In the past, surface and subsurface drains were used to remove excess water from the soil on agricultural lands to provide conditions that are more favorable for crop production. In recent years, science has shown that improved drainage water management is the key to reducing nutrient and pesticide losses to surface and ground waters. Science has also shown that improved drainage management is a major factor in:

- Designing and operating more efficient wetlands and conservation buffers,
- Improving fish and wildlife habitat,
- Reducing problems associated with invasive plants in wetlands and water ways.

A high percentage of agricultural cropland is sub-surfaced drained (tile drained). Drainage flow from these systems carry high concentrations of plant nutrients and other chemicals, with nitrates being the most prominent. Practical experience has shown that modifications to existing drainage management systems or improved designs of replacement or new systems allow for better management of quantities and timing of water releases. Producers are finding that these modifications will reduce losses of nutrients, such as nitrates, and additionally conserve water in the soil for crop uptake and use during drier periods. Drainage water management can improve water quality by reducing the quantity of nutrient drainage leaving fields, and may improve production benefits by extending the period of time when soil water is available to plants.

C) 2 Days Left for 2006 S-1 Early Career Award Nominations

The S-1 Soil Physics Division invites nominations for the 2006 S-1 Early Career Award. The award recognizes scientists who have made an outstanding contribution in Soil Physics within six years after completing the Ph.D. degree.

Detailed instructions for nominating candidates may be found at:

<http://soils.ag.uidaho.edu/tuller/s-1/>.

Questions regarding the award may be directed to Glendon Gee by e-mail glendon.gee@pnl.gov. The 2006 S-1 Early Career Award Committee consists of Glendon Gee (Chair), Ty Ferre, Shmulik Friedman, and Gerard Kluitenberg.

2) UPCOMING MEETINGS OF INTEREST (arranged by meeting date)

A) West Regional National Cooperative Soil Survey (WRCSS) and Western Society of Soil Science (WSSS) Conferences, Park City, Utah, June 19-23, 2006

Please join us for the 2006 West Regional National Cooperative Soil Survey (WRCSS) and Western Society of Soil Science (WSSS) conferences in Park City Utah June 19-23. The conferences are being co-located in 2006 to provide many opportunities to share knowledge, information and build partnerships between organizations with interests in soil resources. The WRCSS theme is "Innovative Applications of Soil Survey: Meeting the Changing needs of Today's Society". This theme will be well represented in both oral presentations during the conference and during the all day field trip at mid week to the Heber Valley and Uinta National Forest areas. Participants of the WRCSS include representatives from the 1862 land-grant universities experiment stations, NRCS, USFS, BLM, BIA, EPA, USFWS, National Association of State Conservation Agencies (NASCA), National Association of Consulting Soil Scientists, the 1890 land-grant universities and western tribal colleges. Other interested foreign and domestic groups such as lead scientists from Canada and Mexico are invited to participate as users of soil surveys.

The WSSS theme compliments the WRCSS and it is "The Relevancy of Soil Science to the Needs of a Changing West". In addition to the general WSSS meetings, conference members will join the WRCSS for joint technical sessions, poster session, banquet and mid week field trip.

All meetings will take place at the Prospector Lodge and Conference Center located in beautiful Park City, Utah from June 19-23, 2006. Please make your reservations by June 1, 2006. We want to see you there. For further information please visit: <http://sail2.ext.usu.edu/soil/>

B) 18th World Congress of Soil Science, Philadelphia, Pennsylvania, July 9-15, 2006

The theme of the 18th WCSS is "Frontiers of Soil Science: Technology and the Information Age". Philadelphia is a superb location for the 18th WCSS. Known as the cradle of democracy, Philadelphia served as the capital of the USA from 1790-1800, and is where the Declaration of Independence was adopted and the U.S. Constitution was written. It is home to Independence Hall, the Liberty Bell, and many other historical attractions. In addition to being one of America's most historic cities, it is also culturally rich in the arts, being home to the world renowned Philadelphia Museum of Art, the Rodin Museum, and the Pennsylvania Academy of the Fine Arts. It is also home to the Franklin Institute Science Museum and The Academy of Natural Sciences. Philadelphia is well located on the Eastern Seaboard of the U.S., being only 50 miles from the Atlantic Ocean, about 100 miles south of New York City and 120 miles north of Washington, D.C. Also, nearby are the Chesapeake Bay, Amish country, duPont family museums and gardens in neighboring Delaware, and the Pocono Mountains of Pennsylvania. International and domestic travel to and from Philadelphia is easily accessible by most major airlines. Train service is also available to and from major cities on the East Coast of the U.S.A.

The 18th WCSS will feature plenary sessions, symposia, poster sessions, scientific and technical exhibitions, and working sessions of the IUSS Divisions, Commissions, Working Groups and Standing Committees. Cultural tours/events for accompanying participants and an array of scientific tours throughout the USA are also planned. For further information please visit: <http://www.colostate.edu/programs/IUSS/18wcsc/>

C) Gordon Research Conference on Flow & Transport in Permeable Media, Proctor Academy, Andover, NH, July 30 - August 4, 2006

The Gordon Conference on Flow and Transport in Permeable media brings together researchers with a common interest in understanding physical, chemical and biological processes in porous media. The conference provides a stimulating and relaxed forum for an interdisciplinary exchange of ideas. A unique feature of this meeting is that participants from a wide variety of backgrounds and with interest in many different applications interact on an equal footing - the conference attracts petroleum engineers from both industry and academia, researchers interested in groundwater hydrology, contaminant transport and carbon storage, soil scientists, geologists, biologists, mathematicians and physicists.

In the spirit of the Gordon Conferences, the format is designed to encourage in-depth discussion with a program of morning and evening invited lectures and open discussions. Free afternoons and evening social gatherings provide ample time for more informal scientific interactions. The afternoon and evening poster sessions are an integral part of the meeting and most attendees prepare one or more posters.

Junior researchers, including graduate students, are particularly encouraged to apply. Funds will be available to meet some or all of the registration costs of junior researchers who do not have other funds.

To apply to attend the conference, please click on: <http://www.grc.org/programs/2006/flow.htm>

D) International Soil Tillage Research Organisation 17th Triennial Conference ISTRO (August 28 - September 3, 2006, Kiel, Germany)

The Conference will comprise 5 days of sessions, including working groups, symposium on soil structure, tours and displays. A roundtable discussion will be organized during the conference with experts from round the world. In addition we are planning a range of social activities to allow participants to relax, unwind and experience the northern German lifestyle. For further information please visit: <http://www.soils.uni-kiel.de/istro.htm>

E) TDR 2006: 3rd International Symposium and Workshop on Time Domain Reflectometry for Innovative Geotechnical Applications, Purdue University West Lafayette, IN, September 17 – 20, 2006

This symposium and workshop will focus on applications of time domain reflectometry (TDR), including metallic and optical technologies. Both theoretical and experimental developments are of interest. This two and one-half day event is planned for mid September 2006 and will be held on the campus of Purdue University in West Lafayette, Indiana USA. The event follows in the tradition of the two previous TDR symposia held in 1994 and 2001 at Northwestern University. A call for abstracts is now published and abstracts received will be reviewed by the Organizing Committee as a means of forming the program. Invitations for submission of full papers will be sent to authors whose abstracts are accepted. Papers will be reviewed prior to final acceptance for inclusion in the proceedings, which will be available electronically. Attendance will be limited to approximately 100 persons to facilitate presentation of the papers and active discussion by the participants. An exhibit area will be adjacent to the presentation rooms and will

be the venue for breaks and lunches. Assuming that there is sufficient interest, arrangements will be made for an optional tour in Chicago the day before the symposium and workshop and for bus transportation from Chicago to Purdue and then back to Chicago at the close of the program. Lodging will be in the Purdue Memorial Union Hotel which is adjacent to the Stewart Conference Center. Activities for accompanying persons will be available. For further information please visit: <https://engineering.purdue.edu/TDR/>

F) International Symposium - Soil Physics and Rural Water Management: Progress, Needs and Challenges, Vienna, Austria, September 28-29

The symposium is organized in honor of the retirement of Prof. Ferdinand Kastanek to reflect the history, present and future of basic and applied research areas in rural water management. To understand and describe soil-water-plant-atmosphere interrelations the knowledge of dynamic processes in the unsaturated zone is a prerequisite.

For further information please visit: <http://ihlw-sophywa.boku.ac.at/>

G) GeoX 2006 – 2nd International Workshop on X-Ray CT for Geomaterials, Grenoble and Aussois, France, October 4-7, 2006

Following the first successful workshop held in Kumamoto, Japan, in November 2003 (GeoX 2003), the purpose of the coming workshop GeoX 2006 is again to bring together specialists in the development of X-ray Computed Tomography and their use for studying the mechanics of Geomaterials. Invited international experts in key research areas will review recent developments and challenges in the field. The goal of GeoX 2006 is to bring together scientists from the academic world and industry to address the application of X-ray CT to Geomaterials from both a fundamental and an applied perspective.

For further information please visit: <http://geo.hmg.inpg.fr/geox2006/>

H) International and Interdisciplinary Workshop on "Preferential Flow and Transport Processes in Soil", Monte Verità, Ascona, Switzerland, November 4-9, 2006

The primary motivation for the workshop is to honor the career of Hannes Flüher, by providing a first-class scientific event related to his (many) research fields. Contributions on all research area related to preferential flow and transport of water and solutes, as well as colloids, bacteria and viruses, across all spatial and temporal scales, and covering all types of approaches, experimental as well as theoretical, are welcome. For more information, please visit the conference website: <http://www.ito.ethz.ch/conferences/preferential-flow/>

Abstract deadline: June 2, 2006

I) ASA-CSSA-SSSA International Annual Meetings, Indianapolis, November 12-16, 2006

The annual meetings of American Society of Agronomy (ASA), Crop Science Society of America (CSSA), and Soil Science Society of America (SSSA) bring together 3,500+ people from 50+ countries representing academia, government and private industry, including a large contingent of undergraduate and graduate students. For further information please visit: <http://www.acsmeetings.org/>

3) NEW JOB ANNOUNCEMENTS

To review all announcements from the last six months please visit:

<http://soils.ag.uidaho.edu/tuller/s-1/jobs.htm>

A) Assistant Professor - Soil Physics and Unsaturated Hydrology (Posted: 5/26/2006)

The Departments of Crop and Soil Sciences and Geological Sciences and the Environmental Science and Policy Program at Michigan State University invite applications for a new tenure-track assistant professor position in soil physics and hydrology with emphasis on unsaturated flow and transport. This academic year position will work across disciplines with a potential for joint appointments.

Position Description: This research and teaching position will emphasize water and solute transport processes in the unsaturated and capillary zones. The ideal candidate will combine experiments with quantitative models to explore the complex physical, chemical, and biological processes that govern unsaturated flow and transport across multiple scales. The candidate will be expected to teach an undergraduate and graduate course, train graduate students, and establish an extramurally funded multidisciplinary research program that builds on the expertise across campus in soil science, groundwater hydrology, solution and surface chemistry, environmental engineering, and microbial ecology.

Qualifications: Applicants must have a Ph.D. in soil physics, hydrology, geological sciences, or a related field and show promise of an outstanding research program and excellence in teaching. Postdoctoral and modeling experiences in unsaturated transport are desired, as are a record of strong peer-reviewed publications and funded grant proposals.

Salary: Salary will be commensurate with experience along with excellent fringe benefits.

Applications: Qualified individuals are encouraged to submit a letter of application that includes their specific research interests, research and teaching philosophies, and long term professional goals. Include a curriculum vitae, complete academic records for college degrees, pdf copies of selected reprints, and complete contact information for four professional references. Applications should be submitted online to Darlene Johnson at johns146@msu.edu. Applications will be accepted until August 1, 2006 or until a suitable candidate is selected. Nominations and inquiries are encouraged and should be addressed to Alvin Smucker, Search Committee Chair, by email: smucker@msu.edu or telephone: 517.355.0271, ext. 1251.

MSU is an Affirmative Action/Equal Opportunity Institution

B) Postdoctoral Research Position - Multiphase Flow (Posted: 5/26/2006).

The Harold Vance Department of Petroleum Engineering at Texas A&M University in College Station has vacancy for a post-doctoral/research associate position. Candidates should be proficient in modeling multiphase flow in porous media and/or data assimilation/inverse methods. Background in finite element or finite volume methods will be a plus. The work will involve subsurface characterization using static and dynamic data sources related to oil recovery and/or environmental remediation. The initial commitment will be for one year but can be extended depending upon the candidate's performance. This position includes competitive salary and benefits as per Texas A&M University guidelines and is available immediately. Interested

candidates should send their resumes to Prof. Akhil Datta-Gupta, Petroleum Engineering, datta-gupta@tamu.edu or to Susan J. Atkins, Petroleum Engineering, susan.atkins@pe.tamu.edu.

C) Postdoctoral Research Position - Flow & Chemical Transport (Posted: 5/26/2006).

The WASY Institute for Water Resources Planning and Systems Research seeks a Postdoctoral Research Associate for simulation of flow and chemical reactions in artificial heterogeneous deforming porous media.

The Challenge: New model code to describe fluid absorption in swelling media has been developed for WASY's FEFLOW finite-element simulation system. First quantitative tests have been performed with encouraging results that allowed securing funding for this position. Various theoretical and numerical challenges invite solution efforts: Changing fluid properties, swelling media with strong parameter contrasts, nonlinear behavior, changing spatial discretization due to a dynamic mesh.

Tools: The FEFLOW flow and reactive-transport simulator, through its open programming interface, allows high-performance coupling with external models and the implementation of new physical and chemical relations.

Qualifications:

- Familiarity with partial differential equations and their numerical solution
- Good programming skills (C, C++)
- Helpful: a background in porous-media flow (chemical engineering, subsurface hydrology, soil physics, or related field)

Benefits: A two-year contract with a possible extension for a third year. Work with motivated people in a dynamic, growing company located on the outskirts of Berlin, Germany. Remuneration will be between 3000 and 4000 EUR per month, commensurate with experience. Full health benefits will be provided.

Contact: Volker Clausnitzer at +49 (30) 679-9980

Please submit your application and resume to vc@wasy.de

D) Postdoctoral Research Position - Watershed Hydrology (Posted: 5/26/2006).

The College of Tropical Agriculture & Human Resources-Natural Resources & Environmental Mgmt in Honolulu, Hawaii seeks a Postdoctoral Research Associate with background in Watershed Hydrology and Tropical Soils.

Min Monthly Sal: \$3,488.

Duties: Conduct independent research in the area of watershed hydrology & tropical soils.

Involved in: i) water flow & solute transport; irrigation & water mgmt, ii) sensor technology (i.e., Capacitance & Time Domain Reflectometry); iii) surface/subsurface water quality monitoring, iv) numerical modeling & v) spatial & temporal data analyses using GPS & GIS.

Qualifications: Ph.D. in Hydrology, Water Mgmt or related fields. 1-3 yrs of experience in conducting field & laboratory work in water mgmt, the use of lab analytical techniques, field research design & implementations, spatial & temporal data analyses. Knowledge in soil physics, or agricultural eng or related academic field emphasizing hydrology & natural resource mgmt, especially water mgmt, surface & subsurface hydrology or environmental science. Strong computer skills. Go to www.rcuh.com for complete details & application requirements. Inquiries: Dr. Ali Fares 808-956-6361.

Closing Date: 6/1/06.

E) Two Postdoctoral Research Positions - Vadose Zone Hydrology (Posted: 5/26/2006).

The University of Nevada, Las Vegas (UNLV) invites applications for two Postdoctoral Fellowships in soil science, vadose zone hydrology, and/or arid ecosystem research as part of the research development program, "Scaling Environmental Processes in Heterogeneous Arid Soils" (SEPHAS) of Nevada's NSF EPSCoR Program "Research Infrastructure for Nevada's Growth - Targeting Research with Uniqueness and Excellence III (RING-TRUE III)". The focus of the research will be on the study of unsaturated flow, soil biochemistry, biogeochemistry, soil Pedology, plant processes, flow and solute transport in arid soils with integrated field, laboratory, and numerical approaches as well as scaling issues on various physical processes in arid soils. The successful applicant will utilize a new, large-scale lysimeter facility under construction as part of the SEPHAS program (<http://hydro.nevada.edu/sephas>).

The Fellowships provide a direct annual salary of \$40,000 plus additional funds to cover institutional fringe expenses. A Ph.D. (or equivalent) in hydrology, soil physics, plant physiology or related fields is required as well as a background in quantitative methods and numerical modeling. Preference will be given to applicants with quantitative skills and research background in arid soils and vadose zone hydrology. The ability to work productively and collegially in a team situation is required. Applicants should fully describe their qualifications and experience, with specific reference to each of the minimum and preferred qualifications. Addressing these qualifications will be used in the initial review of application materials.

Potential applicants are strongly encouraged to contact Dr. Zhongbo Yu (zhongbo@unlv.nevada.edu), Dr. Dale Devitt (dev50@clark.nscee.edu) or Dr. Stan Smith (stan.smith@unlv.edu) for additional information about this postdoctoral fellowship, the SEPHAS program and related projects please visit: <http://hydro.nevada.edu/sephas>. Questions regarding applications should be directed to Ms. Alice Ward, Nevada NSF EPSCoR Outreach Project Administrator (702-862-5590; alicew@nevada.edu).

Further questions regarding applications and information regarding the program, can be found at <http://www.nevada.edu/epscor/>. Review of applications will begin on May 31, 2006. Applications will be accepted until fellowship positions are filled but no later than June 30, 2006.

F) PhD Research Assistantship - Colloid Transport in Porous Media (Posted: 5/26/2006)

The University of Utah invites applications for a PhD Research Assistantship in Colloid Transport in Porous Media. Techniques include x-ray microtomography, simulation via parallelized particle tracking, total internal reflection fluorescence microscopy.

Please send letter of interest & c.v. to W.P. Johnson (wjohnson@earth.utah.edu).

G) Professor - Water Resources Engineering (Posted: 4/25/2006)

Tenure-track, 12-month research and teaching appointment, in the Department of Biological and Agricultural Engineering in Athens, to establish a nationally/internationally prominent program in water resource engineering with a broader systems context to model complex transport and hydrological processes; and to bring together complementary programs for creating a lead program for matters related to Georgia's water quality and quantities issues. An exceptional record in mathematical modeling, research in an aspect of water resource engineering and graduate student education is required. A letter of application, curriculum vita, statement of research and building lead programs, statement of teaching philosophy, and name and address (including email address) of four (4) references should be submitted directly to: Dr. Brahm Verma, Chair, Search Committee, Driftmier Engineering Center, The University of Georgia, Athens, Georgia, 30602-4435. A detailed position description is available on-line at: www.engr.uga.edu/

Complete applications received by June 1, 2006 are assured of consideration. The University of Georgia is an EO/AA institution.

H) Research Agricultural Engineer/Hydrologist/Soil Scientist (Posted: 4/25/2006).

The USDA-ARS, Agricultural Systems Research Unit in Fort Collins, CO seeks a Postdoctoral Research Associate. Salary range: \$55,191 - \$85,991. The incumbent will conduct collaborative research to 1) evaluate effects of conservation practices on soil and water quality at different spatial scales; 2) develop object-based software for parameter estimation and uncertainty analyses; and 3) archive output in an object-oriented framework. To find out more, call Dr. Timothy Green (970) 492-7335, or go to <http://www.afm.ars.usda.gov/>. The USDA/ARS is an Equal Opportunity Employer and Provider.

I) Postdoctoral Research Associate - Soil Physics/Soil Mechanics (Posted: 4/25/2006).

The position deals with characterization of hydraulic, mechanical, and leaching characteristics of several recycled materials used in roadbed construction. The position is available starting May 2006 and is funded for 2 years. The person is expected to run laboratory tests on water retention, hydraulic conductivity, breakthrough curves, and shear strength on mixtures of recycled materials with soils. Minimum qualifications include Ph.D. degree in Soil Physics/Soil Mechanics with some background in Soil Chemistry and Statistical analysis. If interested, please send your resume to Dr. Satish Gupta, Dept. of Soil, Water, & Climate, 1991 Upper Buford Circle, University of Minnesota, St. Paul, MN 55108; 612-625-1241; email: sgupta@umn.edu. The University of Minnesota is an equal opportunity educator and employer.

J) Research Leader: Water Management Research Unit (Posted: 4/25/2006).

The USDA, Agricultural Research Service, is seeking a Research Leader for the Water Management Research Unit at the San Joaquin Valley Agricultural Sciences Center, Parlier, California. Incumbent leads a multidisciplinary team of research scientists and engineers to develop (1) irrigation and drainage water management practices and methods that use water efficiently, improve agricultural productivity and sustainability, and reduce negative

environmental impacts of agriculture on water and air; (2) chemical and non-chemical alternatives to methyl bromide soil fumigation; and (3) management practices and control technologies to reduce emission of gases and particulate matter from agricultural operations. The incumbent will develop an individual research program focused on one of these areas. Closing date for applications is May 24, 2006. For more details and application directions, see www.afm.ars.usda.gov/divisions/hrd/ (announcement ARS-X6W-0110) For questions you may contact Dr. Ed Civerolo, Center Director at 559-596-2702 or e-mail: eciverolo@fresno.ars.usda.gov. U.S. Citizenship is required. USDA, ARS is an Equal Opportunity Employer and Provider.

K) Research Agronomist/Soil Scientist (Posted: 4/25/2006).

(GS-11/13) Salary: \$51,972 to \$96,292 per year. This is a permanent full time position with the USDA-Agricultural Research Service, NW Irrigation & Soils Research Lab, Kimberly, ID. Seeking scientist to formulate and conduct research on irrigated crop management using a systems approach, emphasizing soil and plant nutrition for optimal production and environmental protection. U.S. citizenship is required. Announcement number is ARS-X6W-0174. For position and application details go to: www.afm.ars.usda.gov/divisions/hrd/ or call 208-423-6565. Applications must be received by May 26, 2006. USDA/ARS is an equal opportunity employer and provider.

L) Intermediate to Senior Soil Scientists (Posted: 4/25/2006).

WorleyParsons Komex is a full service environmental, water resources, and engineering consultancy. Previously known as Komex Environmental Ltd., the company has won numerous awards for its leading-edge technologies and its corporate management and culture. Multi-disciplinary teams of engineers and scientists provide services in the environmental sciences, engineering, water and marine resource management, waste and wastewater management, geophysics, and geomatics. WorleyParsons Komex is currently looking for Senior and Intermediate Soil Scientists to join our team in Edmonton, Alberta, Canada. Our ideal candidates will have strong theoretical and practical knowledge in Soil Science, including soil chemistry, classification, physics, and biology; as well as strong field skills in describing and classifying soil. You are skilled at developing innovative technical solutions balanced with sound business performance. For the senior level position, you have a graduate degree with at least 10 years of experience or an undergraduate degree with at least 12 years of experience. The Intermediate level position requires a graduate degree with three years of experience or an undergraduate degree with five years. Eligibility for professional registration in Alberta is required. Strong interpersonal skills, willingness to mentor, and technical writing skills are required. Professional experience in soil remediation and reclamation in industries such as oil and gas, consulting, and mining within Western Canada is preferred. Additional requirements include computer skills, the ability to work in a fast-paced, multi-tasked environment, and a valid driver's license. What we offer: The opportunity to grow your career as we grow our business; a healthy, team-oriented workplace; a competitive salary with benefits; and a commitment to your professional development. Further information about these exceptional leadership opportunities and other opportunities worldwide, can be found on our website: www.worleyparsons.com. For further information about living in Edmonton, please visit www.edmonton.ca or www.discoveredmonton.com. Please forward your resume and covering letter stating Soil Scientist in confidence to Shelley Roberts at shelley.roberts@worleyparsons.com or by fax 780-496-9575. Competition closes May 31st 2006 We thank all candidates for their interest;

however, only those selected for interviews will be contacted. WorleyParsons Komex is an equal opportunity employer.

M) PhD Research Assistantship (Posted: 4/25/2006)

The Dept. of Soil, Environmental and Atmospheric Sciences and the Center for Agroforestry at the University of Missouri-Columbia seek candidates for a half-time Ph.D. research assistantship (includes tuition and stipend) to investigate veterinary antibiotic sorption and transport through agroforestry buffer and pasture soils. The project integrates field, laboratory, and computer modeling approaches to evaluate the effectiveness of agroforestry buffers for removal of veterinary pharmaceuticals from runoff and soil solution. Applicants should have a firm background in soil chemistry or environmental chemistry and soil physics. Prior experience with soil column studies and physical non-equilibrium transport modeling is preferred but not required. For further information regarding department graduate programs, visit the web site for the Department of Soil, Environmental and Atmospheric Sciences at the University of Missouri (<http://www.snr.missouri.edu/seas/>). Email application package: a letter stating research interests and professional goals, a CV, GRE, and TOEFL (if applicable) scores, transcripts, and three references. Contact Dr. Keith W. Goyne (goynek@missouri.edu; 573-882-0090).

APPENDICES

A) S-1 Contacts

Chair (06): Jon Wraith jwraith@montana.edu

Chair-Elect (07): Jirka Simunek jiri.simunek@ucr.edu

ASA and SSSA Board Representative (03-06) Glenn Wilson: gvwilson@ars.usda.gov

SSSA Journal S-1 Technical Editor: Glenn Wilson: gvwilson@ars.usda.gov

Vadose Zone Journal (VZJ) Editor: Jan Hopmans jwhopmans@ucdavis.edu

B) S-1 Working Groups and Committees

S-1 Program 2006 ASA-SSSA Meeting (Indianapolis, IN, Nov. 12 - 16): Jon Wraith

S-1 Early Career Award: Glendon Gee (Chair), Ty Ferre, Shmulik Friedman, and Gerard Kluitenberg.