

AAG REMOTE SENSING SPECIALTY GROUP

Issue Number 11

March, 1984

I. Nominations for 1984-85 Officers of the Remote Sensing Specialty Group

A slate of nominees for the positions of vice-chairperson, secretary-treasurer, director (non-student), and director (student) was developed by a nominations committee comprised of John Jensen (chair), Robert Holz, Ben Richason, Jr. and Jim Norwine. The February issue of the RSSG Newsletter indicated that nominations from the membership at-large could be made following the published guidelines. Through these two mechanisms the following slate of nominations for officers in the Remote Sensing Specialty Group (RSSG) are:

Vice Chairperson: The person elected to this office for the 1984-85 term will become the chairperson at the April meeting of the AAG in 1985.

David Block. Assistant Professor of Geography, Department of Geography Salisbury State University. Ph.D. in Geography specializing in remote sensing applied to physical geography and land use problems.

Vincent Ambrosia. Research Scientist in remote sensing applications at NASA Ames Research Center, Moffett Field, California. Graduate degree is from the University of Tennessee with interest in remote sensing, cartography, and cultural geography.

David Greeger. Assistant Professor of Biology, Department of Biology, Nebraska Wesleyan University. Ph.D. in Biology specializing in applications of remote sensing to global habitability.

Ron Eyton. Associate Professor of Geography, Department of Geography, Penn State University. Ph.D. in Geography (Illinois) specializing in remote sensing applications with emphasis on use of electronic data processing techniques and quantitative methods.

Secretary-Treasurer: The secretary-treasurer is the fiscal officer and recording secretary of the RSSG. This is a two year position.

Donald Luman. Associate Professor of Geography, Cartography Laboratory, Department of Geography, Northern Illinois University. Ph.D. in Geography, (Illinois) specializing in cartography, remote sensing applications, and electronic data processing.

John Place. Geographer with the U.S. Geological Survey, Reston, Virginia. Ph.D. in Geography (UCLA) with a specialization in remote sensing, physical geography, and military geography.

Barry Haack. Associate Professor of Geography, Department of Geography, Ball State University. Ph.D. in Geography (Michigan) specializing in applications of remote sensing particularly those related to physical geography and environmental studies.

Merrill Ridd. Professor of Geography and Director of the Center for Remote Sensing and Cartography, University of Utah. Ph.D. in Geography (Northwestern) specializing in remote sensing, cartography and resources geography.

Director (Non-Student): This is a two year term. The primary responsibilities of a director are to supervise RSSG committees and provide council to the RSSG chairperson.

David Howes. Assistant Professor of Geography, Department of Geography and planning, Eastern Kentucky University. Ph.D. in Geography (Wisconsin-Milwaukee) specializing in remote sensing, particularly as applied to problems of land use and economic development.

Wayne Halada. Research geographer at the Spectral Data Corporation in New York City.

Douglas Stow. Assistant Professor of Geography, San Diego State University. Ph.D. in Geography specializing in remote sensing applications and field methods.

Director (Student): This is a one year term. The student director is responsible to assist RSSG committee chairs in activities which are highly relevant to university students engaged in remote sensing studies.

Bruce Davis. Currently working on a graduate degree in remote sensing applications at the University of South Carolina.

Kevin Turcotte. Currently working on a Ph.D. degree in remote sensing applications at Indiana State University.

The RSSG ballot is found on the last page of this newsletter. Please mark your ballots for persons of your choice and mail them to John Jensen at the address indicated on the ballot. The ballots must be in John Jensen's hands no later than April 20, 1984.

II. Remote Sensing Activities at the AAG Washington Meeting

Fourteen separate activities of special interest to remote sensing oriented persons have been scheduled for the Washington AAG meeting. Of these 14 events, 12 are specifically sponsored by the RSSG, thus this year's program is probably the largest one developed by the RSSG. The daily schedule of remote sensing events is presented below.

SATURDAY, APRIL 21 - SUNDAY, APRIL 22 WORKSHOPS

9:00 a.m. - 3:00 p.m. Saturday and Sunday
in Monroe East: Cost = \$30.00

Geographic Information Systems (GIS)
Theory and Practices

Organized by Charles Killpack and
Dan Dworkin of IRIS International

8:00 a.m. - 5:30 p.m. on Saturday
and 8:30 a.m. - 11:30 a.m. on Sunday
in the State Room and Goddard Space
Center: Cost = \$40.00

The Basics of Satellite Terrestrial
Remote Sensing
Organized by Ronald Weinkauff,
Department of Geography and Earth
Science, University of Wisconsin
at LaCrosse

Both workshops should be outstanding. The GIS workshop is being presented by staff members of IRIS International which is a consulting firm conducting remote sensing and GIS applied research all over the world.

Ron Weinkauff's workshop which focuses on the basics of terrestrial remote sensing, particularly Landsat, will be excellent. Ron has gathered a fine group of presenters from academia, NASA, and private industry. Since publication of RSSG Newsletter Number 10, which described the workshop, there has been some minor changes in title (from satellite to terrestrial remote sensing), cost (\$35 to \$40), presenters (E. Paul McClain, David McGinnis, and Nadine Binger have been added and James Campbell was unable to present), and topics (SPOT Images discussion has been added). Some minor changes in time have been made; however, just arrive at the State Room at 8:00 a.m. Saturday and there will be no problems.

MONDAY, APRIL 23 FIELD TRIP (Window on Washington)

1:00 p.m. - 9:00 p.m. at N.A.S.A. Goddard Space Center Cost = \$15.00 (includes bus and dinner)	N.A.S.A. Goddard Space Flight Center Field Trip organized by Sam Goward, NASA/University of Maryland
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MONDAY, APRIL 23 - PAPER/PANEL SESSIONS

9:00 a.m. - 10:40 a.m. David Greigor, Jr., Chair and Organizer	<u>Global Habitability I</u> Monroe West
1:00 p.m. - 2:40 p.m. David Greigor, Jr., Chair and Organizer	<u>Global Habitability II</u> Monroe West
3:00 p.m. - 4:40 p.m. Simon Baker, Chair James Latham, Organizer	<u>Environmental Studies and Data Analysis</u> Monroe West

MONDAY, APRIL 23 - RSSG BUSINESS MEETING

From 5:30 p.m. - 6:30 p.m. the State Room has been given to the RSSG to conduct its annual business meeting. At this meeting reports of standing committees and treasurer will be given. Problems and achievements of the RSSG during 1983-84 will be presented with an opportunity for comments from the floor. Future plans of the RSSG will be discussed.

An opportunity to indicate an interest in joining one or more of the various RSSG committees will be provided. Results of the election of officers for 1984-85 will be made. Possibly an award for service to geographic remote sensing will be made. Also, the room number of the suite reserved for the "Friends of Remote Sensing" social evening will be announced.

Please attend this relatively brief meeting to lend your support to the RSSG.

MONDAY, APRIL 23 - FRIENDS OF REMOTE SENSING SOCIAL EVENING

Last year the chair of the RSSG, Paul Mausel, rented a suite on behalf of the RSSG to permit an informal gathering of persons interested in remote sensing (or even friends of friends interested in remote sensing). Last year's gathering was big success. A large number of students, faculty, and others who are engaged in remote sensing related activities attended and shared conversation, drinks, and snacks (some even ended up singing together).

Albeit, somewhat of a strain on RSSG resources, the officers of the RSSG believe the benefits of such a gathering are great, thus a social evening is planned for Washington. The social hours will begin about 9:00 p.m. and conclude about 1:00 a.m. (probably). Snacks and drinks are free, although a box for contributions will be in plain sight for more affluent among us that hopefully will provide some financial support for this effort. The room number of the Suite for the social hours will be announced at the business meeting earlier during the day. Paul Mausel, chair of the RSSG, and Don Rundquist, vice-chair of the RSSG, will know the room number too, thus you may contact them for the information.

Please avail yourself of this opportunity to meet others in the remote sensing community in this pleasant and relaxing way.

TUESDAY, APRIL 24 - POSTER SESSION

10:00 a.m. - 11:40 a.m.

Remote Sensing and Cartography

Conservatory

TUESDAY, APRIL 24 - PAPER/PANEL DISCUSSIONS

8:00 a.m. - 9:40 a.m.

James Merchant, Chair

Land Use and Land Cover Mapping

Monroe West

10:00 a.m. - 11:40 a.m.

Mark S. Gregory, Chair

Modeling, Methodology and Land Use Change

Monroe West

1:00 p.m. - 2:40 p.m.

Roy Welch, Chair and Organizer

Milestones in Geographic Remote Sensing

Monroe West

3:00 p.m. - 4:40 p.m.

James Latham, Chair and Organizer

Policies and Priorities for Geographic Remote Sensing

Monroe West

WEDNESDAY, APRIL 25 - POSTER SESSION

8:00 a.m. - 9:40 a.m.

James Latham, Organizer

Remote Sensing Specialty Group Posters

Conservatory

The RSSG chairperson thanks all participants in these varied and interesting sessions. Special thanks is given to Jim Latham for his efforts in organizing and often chairing several paper/poster/panel sessions as part of his duties as RSSG Program Committee chairperson. A note of special effort should also be given to Dave Greeger, Jr. who, in his first association with the AAG and RSSG, organized and chaired two special paper sessions.

III. REQUEST FOR REMOTE SENSING PAPERS FOR PG PUBLICATION - SECOND NOTICE

An important reminder that the Publications Committee of the Remote Sensing Specialty Group is requesting papers for consideration for publication in a special issue of the PROFESSIONAL GEOGRAPHER. Papers should focus on some aspect of remote sensing, either theoretical or applied, which would be of interest to the members of the AAG.

All papers should be prepared as described and published in the INSTRUCTIONS TO CONTRIBUTORS in each issue of the PROFESSIONAL GEOGRAPHER. Because of the dual review process for these papers (described below), it is requested that seven clear copies of each paper be submitted. It is, at present, uncertain if the PG will be able to sustain the full cost of continuous tone photography (either black and white or color) and therefore authors should be advised that they may be requested to help support publications costs for their imagery.

The review committee for these papers will be composed of the following AAG members:

- M. Leonard Bryan (Jet Propulsion Laboratory) - Chairman
- Tina Cary (Goddard Inst. for Space Studies)
- John Jensen (University of South Carolina)
- Kam Lulla (Indiana State University)
- Merrill Ridd (University of Utah)

Papers should be submitted to the Chairman of the review committee, in the P.G. format, by 01 JUN84. The committee will then review the papers and make their selection. The committee may, at that time, request revisions from the authors. On 01 OCT84 these selected and revised papers will be forwarded to the editor and staff of the P.G. This group will make the final decision concerning the publication of the papers. It is projected that the selected papers will be published in the spring of 1985.

Please forward publications in the proper format to:

M. Leonard Bryan, Chairman, P.G. Papers
 Jet Propulsion Laboratory
 Mail Stop 183-701
 4800 Oak Grove Drive
 Pasadena, California 91109
 (818) 354-3263

IV. ANNOUNCEMENT - NEW PH.D. PROGRAM IN GEOGRAPHIC INFORMATION PROCESSING

a new Ph.D. program in geography has been approved at the University of South Carolina starting in fall 1984. This program specializes in Geographic Information Processing and allows students to concentrate in cartography, remote sensing, or geographic information systems. The program is supported by a core of five faculty which includes Dave Cowen, John Jensen, Bob Lloyd, Ted Steinke, and a new cartographer to be appointed before fall. Inquiries are invited from students interested in the program. Financial assistance \$5,000 to \$6,000 per academic year is available on a competitive basis in the form of teaching and research assistantships and fellowships. Letters of inquiry should be sent to:

Director of Graduate Studies
Department of Geography
University of South Carolina
Columbia, S.C. 29208

V. RSSG Membership

Officially the RSSG has 244 members for which the AAG Central Office will provide a small rebate to pay for group operations. This number puts the RSSG in the upper 20% of specialty groups with respect to size. Lee Williams and Paul Mausel have been distributing 325-350 RSSG Newsletters in each edition. In reality, it is likely that the RSSG would be the second or third largest specialty group of the 35 in the AAG if all persons interested in remote sensing would check the appropriate box on their yearly dues form prior to mid-January 1985. The extra rebate money the RSSG would get would help pay for awards and other worthwhile group activities. Try to get your colleagues and students who are interested in remote sensing to check the RSSG box on their annual dues form later this fall and early winter.

VI. RSSG Dues

The RSSG is spending more than they are taking in through AAG rebates and the \$5 optional annual dues. Again, please submit \$5 for your 1983-1984 dues to Lee Williams (University of Kansas, Department of Geography, Lawrence, Kansas) prior to the April AAG Meeting or give those dues to Paul Mausel, chair of the RSSG, at the National Meeting if you can afford to do so.

VII. RSSG Questionnaire

A questionnaire requesting information about remote sensing facilities and faculty which are available in Geography departments in United States universities has been published in the two previous RSSG Newsletters. The information derived from responses is being assembled and will be made available to students and others interested in remote sensing. Mr. Steven Dicks, has been assembling the responses (with the aid of Don Rundquist) and a preliminary report about that will be available at the Washington, D.C. AAG meeting. More responses would be appreciated.

Call for Papers

The Great Plains-Rocky Mountain and West Lakes Divisions of the AAG are planning a joint meeting to be held in Lawrence, Kansas on 31 October - 4 November 1984. The Universities of Kansas, Missouri-Kansas City, Missouri-Columbia, Iowa, Northern Iowa, Kansas State, and Southwest Missouri State are serving as host institutions. Overall meeting planning is under the direction of Glen Marotz (University of Kansas), Rex Honey (University of Iowa), and C. Murray Austin (University of Northern Iowa). This is the first time these two divisions have held a joint meeting and the range of activities planned insure that it will be most interesting. The Remote Sensing Specialty Group will sponsor several special paper sessions during the meetings. Tentative plans are also being made for other RSSG functions, including a tour of the University of Kansas Space Technology Center and the China Map and Imagery Repository. Jim Merchant and Lee Williams (University of Kansas) will organize RSSG activities. All RSSG members are encouraged to participate. Members wishing to present papers at an RSSG-sponsored session should submit a title and abstract (100 word minimum) to:

James W. Merchant
University of Kansas
Space Technology Center
2291 Irving Hill Rd.
Lawrence, Kansas 66045
Attn: RSSG

Note: The deadline for submissions is JUNE 30, 1984. Questions regarding this announcement may be addressed to either Jim Merchant at the above address (telephone: 913-864-4775) or Lee Williams, Department of Geography, University of Kansas, Lawrence, KS 66045 (telephone: 913-864-5143).

Student Paper Competition

Students should note that they are eligible to participate in a special paper competition at the GP-RM/WL Division Regional Meetings (October 31-November 4, 1984, Lawrence, KS). Papers for the student competition are to be submitted in one of two categories: Experienced (the student is in the last semester of Master's work or beyond, and the paper is likely derived from the Master's thesis or Ph.D. dissertation) and Inexperienced (all students with fewer hours than would be expected of a student in the last semester of Master's work). Complete papers (six copies typed according to the Professional Geographer format) are to be submitted to: Professor Will Graf, Department of Geography, Arizona State University, Tempe, AZ 85287. The papers will be distributed to a panel of judges who will award points based on their quality; the top five in each category will be presented at the meeting in a special session. Additional points will be awarded to each of the five based on the quality of the presentation, and the three combined point winners in each category will receive a prize of \$100, \$75, and \$50, a subscription to the two principal journals of each division, and inclusion of their papers in the special meeting volume. A \$50 prize for the best presentation at the meeting and a special certificate for the best undergraduate paper will also be awarded. The deadline date for submission in either of the two student categories is 30 June 1984.

This edition of the RSSG Newsletter was written, edited, and published by: Paul W. Mausel (Indiana State University) and T.H. Lee Williams and James W. Merchant (University of Kansas).

Please fill out a copy of the following ballot and send it to:

Dr. John Jensen
 Chairman, Nominations Committee
 Department of Geography
 University of South Carolina
 Columbia, South Carolina 29208

Please vote for one person only in each position:

Vice Chairperson:

David Block _____
 Vincent Ambrosia _____
 David Greeger _____
 Ron Eyton _____

Secretary-Treasurer

Donald Luman _____
 John Place _____
 Barry Haack _____
 Merrill Ridd _____

Director (Non-Student)

David Howes _____
 Wayne Halada _____
 Douglas Stow _____

Director (Student)

Bruce Davis _____
 Kevin Turcotte _____

All official ballots must be received by April 20, 1984. The chairperson of the Nominations Committee will report on the vote at the Remote Sensing Specialty Group business meeting held at 5:30 p.m. Monday, April 23 in the STATE ROOM.