

**RSSG NEWSLETTER -- NOVEMBER, 1988
FROM THE CHAIR**

Fall Greetings to all!

I am sure that all the RSSG members had a productive summer. Let me report on some items of interest to the group.

1) Tina Cary has completed the plans for the AAG 1989 meetings, and I am sure we will have some very interesting sessions.

2) John Jensen has submitted a final draft of "our" chapter on Remote Sensing to be included in "Geography in America". I thank John and all the contributors for their effort and time.

3) RSSG is supporting the AAG project on "Job Database for Geographers" to be managed by TMS Systems, Inc., of Blacksburg, VA.

4) Tina Cary has accepted the position of training coordinator at EOSAT. Jeff Wasrud has cheerfully agreed to publish the Newsletter through March, 1989. We are pleased to report that Jim Merchant will take over as Editor of the RSSG Newsletter in April 1989. Thanks to Tina for her contributions to our Newsletter.

GET INVOLVED

Over the past five years, I have followed the RSSG activities and elections as a member and as an officer. As Jim Merchant reported in his January, 1988 column, only 5-7% of the members show active involvement. We need your support, ideas, and services. We need your participation in elections, committee work, and RSSG sessions. Please get involved.

I am appealing to all the members of RSSG to contact any of the present or past officers for details. I am especially requesting the senior RSSG members to become more active and lend support to our group.

It is not too early to begin planning for the 1990 AAG meetings, I hope you will get involved as a session organizer or as a presenter.

1989 AAG MEETING

Tina Cary (EOSAT), the RSSG Program Chair for the Baltimore meeting, reports that the following sessions are being sponsored or co-sponsored by the RSSG:

Remote Sensing Applications in the U.S. Department of the Interior, a paper session organized by Randy McKinley, TGS Technology, Inc.;

Remote Sensing Poster Session, Organized by Kamlesh Lulla, Johnson Space Center;

Digital Processing of Remotely Sensed Data, a workshop organized by Tina Cary, EOSAT;

Biophysical Remote Sensing, a paper session organized by Vince Ambrosia, TGS Technology, Inc.;

GIS/Remote Sensing for Rural Land Use Analysis I and II, paper sessions organized by Duane Nellis, Kansas State University, and jointly sponsored by Contemporary Agriculture and Rural Land Use Specialty Group.

**REMOTE SENSING SPECIALTY GROUP
FINANCIAL STATEMENT
20 June 1987 to 4 April 1988**

	<u>Debit</u>	<u>Credit</u>
Previous Balance		\$ 1087.39
Newsletter Publishing	\$ 712	
Flowers for B. Richason Funeral	30.00	
Charge for Checking	7.36	
AAG Rebate for 1988		255.75
Dues and Donations Received as of 4 April 88 (31)		198.70
Digital Processing of R.S. Data workshop		490.15
Interest on Savings Account		18.95
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Totals	\$ 749.36	\$ 2051.94
Balance		\$ 1302.58

--Submitted by M. Duane Nellis

Space Shuttle Discovery's September-October 1988 Mission to Tropical Earth: A Unique source of Data for RSSG members and other geographers, by Kamlesh Lulla and Mike Helfert, NASA/Space Shuttle Earth Observations Office, Johnson space Center, Houston, Texas.

The crew of the Space Shuttle Discovery (STS-26) documented dynamic Earth processes during their four day flight over 122 nations in the tropics. The 1700 photographs depict significant environmental processes that provide the scientific community and the general public with an informed view of the state of global tropic environment during the mission. We believe that this flight produced spectacular and scientifically useful photography of the tropical Earth. All the photography is in natural color at varying scale due to flexible look angles. Photos are of good quality and can be easily digitized and image processing can be accomplished. EROS data center and other outlets can be contacted for SPace Shuttle Earth Photography.

JOB ANNOUNCEMENTS

LAWRENCE, KANSAS. University of Kansas. Assistant or Associate Professor specializing in Geographic Information Systems.

Fulltime, tenure-track appointment beginning August 1989. Ph.D in Geography required. Salary commensurate with qualifications. Applicant must have research and teaching interests in GIS, a commitment to supervising graduate research, and a publication record commensurate with level of applicant. Preference will be given to candidates who can be pivotal in integration of GIS with the Department's other existing strengths (remote sensing, cartography, physical/environmental and human geography). The candidate should be interested in involvement in externally-funded basic and applied research. The Department has a well-equipped GIS/remote sensing laboratory (including pcARC/INFO, ERDAS, SPANS, EPPL-7, IDRISI and pMAP), augmented by significant external GIS facilities. In addition the Department has undertaken an aggressive facilities enhancement program in which the successful candidate will be involved. Please

send letter of application detailing research and teaching interests, vita and names of three references by February 1, 1989. The University of Kansas is an Equal Opportunity /Affirmative Action employer. Applications are sought from all qualified persons regardless of race, religion, color, sex, disability, veteran status, national origin, age, or ancestry. Apply: Dr. Robert F. Wiseman, Chair, Search Committee, Department of Geography, University of Kansas, Lawrence, KS 66045-2121 (913-864-5143).

WETLAND INVENTORY SPECIALIST

Ducks Unlimited, Inc. is a private, non-profit conservation organization dedicated to international wetland habitat conservation. We are currently seeking a person to fill the position of Wetlands Inventory Specialist. This position will be located at our Western Regional Office in Sacramento, California. The Wetlands Inventory Specialist will be expected to organize and synthesize existing wetland information for the State of California; contract digitization and synthesize existing wetland information for the State of California; contract digitization of NWI wetland maps prepared for U.S. Fish and Wildlife Service; process, classify and extract wetland information from satellite data; and design and implement a plan for meeting wetland informational needs of the State of California. The applicant should have experience and familiarity with the following:

digital image processing of satellite data and/or wetlands mapping from satellite or aerial photography data

ELAS, ERDAS, or MIPS image processing software

Geographic Information Systems (ARC-INFO, MOSS, MAPS or GRASS)

data base management systems (DBASE 3, INFO, MANAGE, INFOCEN etc.)

An MS degree in natural resources, wildlife biology, geography, remote sensing or related discipline is required. An understanding of wetland habitat form and function, as defined by the Cowardin system of classification, is desirable.

Inquires and resumes may be sent to:

Ducks Unlimited, Inc.
Director of Habitat Inventory and Evaluation
One Waterfowl Way
Long Grove, IL 60047
(312)438-4300

NEWSLETTER CONTRIBUTIONS

Thanks to Tina Cary, Kam Lulla, Mike Helfert, and Duane Nellis for their contributions to this newsletter.

Association of American Geographers Job Database for Geographers



(this form may be reproduced without permission)

The Association of American Geographers, in conjunction with TMS Systems Inc., has developed a computerized Job Database to match geographers seeking employment with interested employers. This service is a natural extension to AAG's Convention Placement Service (CoPS), which has operated at the AAG Annual Meeting since 1980, and to the Jobs in Geography (JIG) section of the *AAG Newsletter*. The computerized placement service is available to all geographers and organizations that register with the Job Database.

Registration

1) Geographers have the opportunity to list the following information:

- name, address and phone number
- five job subfields (see list on next page)
- date available for employment
- degree earned or grade point average
- salary range
- geographic preferences

In a statement of up to 100 words, geographers can also provide details of their educational background and work experience. Applicants may also choose to keep name and phone number confidential.

2) Organizations have the opportunity to list the following information:

- organization name
- name, address, and phone number of a contact person
- 100-word description of the organization
- up to five positions

For each position listed, the organization can list the position title, position subfield (see list on next page), geographic location, date the position will be available, the approximate annual salary, and degree level preferred. In a statement of up to 100 words, organizations can also provide details about each position. Each organization has the option of keeping its name, contact person, and phone number confidential. As positions listed by organizations are filled, they may delete those positions and add others to the system.

Revising your listing Once listed in the placement system, geographers or organizations can revise their listing either by mail, telephone or direct computer hookup over the phone lines. Details of how to use each option are provided upon registration.

Requesting Information A geographer who is registered with the job database can request information on positions listed in the system by mail, telephone or direct computer hookup. Positions can be selected by geographers based upon geographic location, approximate salary, degree required, grade point average required, date available, and/or subfield.

Similarly, an organization that is registered with the job database can request information on geographers listed in the system by mail, telephone, or direct computer hookup. Geographers can be selected by organizations based upon preferred geographic location, minimum salary, degrees earned, school, grade point average, date available, and/or subfield.

Fees for a 12-month registration period are:

Geographers

- AAG student members \$25
- AAG members \$40
- Nonmember students \$60*
- Other nonmembers \$110*

* difference can be applied to AAG membership

The price includes one free report of up to 25 available positions, provided when the geographer requests it. If an applicant's selection criteria generates more than 25 positions, the applicant can request the additional positions at a cost of \$0.10 per position. Additional reports can be purchased during the first year of registration on a cost basis.

Employers

- AAG Corporate members \$50
- Charter users** \$75
- Others \$100

** must register during first 6 months of operation (by April 1, 1989)

Organizations can list up to five positions. The price includes two free reports of up to 50 geographers available, provided upon request. If their selection criteria generate more than 50 geographers, organizations can request the additional names at a cost of \$0.10 per name. Additional reports can be purchased on a cost basis.

Job Subfields

Academic (College/University positions only)

- 001 agricultural
- 002 applied
- 003 biogeography
- 004 cartography/photogrammetry
- 005 climatology/meteorology
- 006 conservation, land use, resource management
- 007 cultural
- 008 development
- 009 economic
- 010 educational
- 011 environmental
- 012 geographic information systems
- 013 geographic thought
- 014 geomorphology
- 015 hazards
- 016 historical
- 017 location theory
- 018 medical
- 019 oceanography
- 020 physical
- 021 planning
- 022 political
- 023 population
- 024 quantitative
- 025 recreation/tourism
- 026 regional
 - 027 Africa
 - 028 Asia
 - 029 Australia Oceania
 - 030 Europe
 - 031 Middle America
 - 032 Middle East
 - 033 North America
 - 034 Polar World
 - 035 South America
 - 036 Soviet Union
 - 037 World
- 038 remote sensing
- 039 rural
- 040 social
- 041 soils
- 042 transportation
- 043 urban
- 044 water resources

Private Industry, Government, Other

- 100 Defense Related Work
 - 101 area studies
 - 102 intelligence research
 - 103 international relations/foreign policy
 - 104 military science
 - 105 systems analysis
 - 106 terrain analysis
 - 107 Demographic Survey Analysis
 - 108 analysis of consumer landscape preferences
 - 109 analysis of potential consumer preferences
 - 110 patterns of localized consumer movement to markets
 - 111 socioeconomic analysis of local regions
 - 112 Economics and Trade
 - 113 commodities research
 - 114 economic forecasting
 - 115 facilities management
 - 116 resource/energy economics
 - 117 Environmental Assessment
 - 118 agricultural/reclamation research
 - 119 air and water quality analysis
 - 120 climatic assessments
 - 121 energy analysis
 - 122 environmental impact studies
 - 123 resource management
 - 124 risk analysis
 - 125 soil and vegetation surveys
 - 126 Geographical Analysis and Display
 - 127 cartography/map production
 - 128 computer graphics/mapping
 - 129 database development
 - 130 geographic information systems
 - 131 map librarian
 - 132 remote sensing/photogrammetry
 - 133 statistical modeling/quantitative methods
 - 134 Landscape Analysis
 - 135 consumer reaction to current land use patterns
 - 136 landscape assessment
 - 137 land use potentials
 - 138 patterns of historical land use
 - 139 population response to planned or potential changes in land use
 - 140 Market Area Analysis
 - 141 demographic analysis
 - 142 market research
 - 143 real estate development
 - 144 site selection
 - 145 Planning
 - 146 economic development
 - 147 emergency management
 - 148 environmental design
 - 149 health studies
 - 150 policy evaluation
 - 151 transportation
 - 152 urban/land use
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Association of American Geographers Job Database for Geographers

GEOGRAPHER REGISTRATION

Note: This form will be optically scanned. All information MUST BE TYPED and must appear on the face of this form only.

If AAG member, enter your AAG ID# _____ (3 to 7-digit number that appears on upper left corner of your mailing label, or call AAG office for number). If you are not an AAG member, type an X if you want the balance of your registration fee used toward AAG membership. (If checked, your AAG ID# will be sent to you with membership materials). Your name will be kept confidential if you type an X here _____. Your phone number will be kept confidential if you type an X here _____.

Name _____

Address _____ Phone: home () _____

City State Zip Country _____ work () _____

Desired job subfields (List up to five): _____
(Use only the 3-digit codes from the brochure)

Minimum salary desired (optional): _____ If student, your school name: _____

Date Available: ____/____/____ If student, your school zip code: _____
 M D Y

Highest degree earned (type an X): ____ Bachelor ____ Master ____ Doctor

If student, Grade Point Average (enter as a percent, for example a GPA of 4.5 on a 5-point scale = 90.0): _____

Geographic preference? (type an X): ____ yes ____ no If yes, in which states or provinces do you prefer to work (list up to five in order of preference) _____ (Use only US Post Office 2-letter code or following codes for Canada: AB-Alberta, BC-British Columbia, MB-Manitoba, NB-New Brunswick, NF-Newfoundland, NS-Nova Scotia, ON-Ontario, PE-Prince Edward Island, PQ-Quebec, SK-Saskatchewan)

Biographical information, in less than 100 words (include educational background and work experience):

Instructions: (1) Registration form must be typed. (2) AAG student member submit registration fee of \$25, other AAG member submit fee of \$40, nonmember student submit fee of \$60, other nonmember submit fee of \$110. (3) Registration is valid for 12 months. (4) Please notify TMS Systems if you accept a position so your application can be removed from the active file.

Send form and check to: TMS Systems, Inc.
3000 Tall Oaks Drive
Blacksburg, VA 24060
(703)552-5685

**Remote Sensing Specialty Group
Cook College Remote Sensing Center
P.O. Box 231
New Brunswick, NJ 08903**

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