



United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VA. 22092

October 16, 1980

In Reply Refer To:
EGS-Mail Stop 710

Professor Ben Richason
Department of Geography
Carroll College
Waukesha, Wisconsin 53186

Dear Ben:

Although we have recently discussed a number of things pertaining to the Pecora VII Symposium, I thought I should express some of my ideas about program theme, content, and organization. It seems a long time since we met at Sioux Falls on July 10-11 with Gary Johnson to discuss local arrangements and budget ideas, as well as to work out a preliminary arrangement with a local hotel. At that time our discussion on program ideas was quite limited since we wanted to contact the committee after the summer academic break. You have now contacted the committee and I hope we are now in a position to begin a committee dialogue.

By the way, in our last telephone conversation you informed me that you had been unable to contact Alex Tuyahov of NASA headquarters about representing NASA on the Program Committee. I volunteered to contact him by local telephone service. I now have made the contact and he has agreed to join the committee.

Although my summer bout with leukemia has intervened, I would like to raise questions about two points in your letter of September 2 to the Program Committee. As you will recall Bill French of ASP and others recommended strongly against a symposium theme title such as "Geographic Applications of Remote Sensing." In our discussion at Sioux Falls I suggested a theme title such as "Land Resource Assessment with Remote Sensing." We surely need Program Committee suggestions on a theme title very promptly, since any announcements for newsletter and other points of information dissemination will need to include a definite symposium theme. I do not favor the more restrictive title limiting the theme to land use and land cover, nor do I favor limiting the focus on remote sensing to satellite data. That would be a major mistake.

In discussing a possible program organization for the symposium, I thought we had assumed that most papers to be presented would need to be invited since space is limited. However, I thought we did want to come up with a mechanism for selecting some uninvited papers of good quality that address the theme adopted for the symposium. It is my view that invited papers should also comprise a major part of the concurrent sessions, if the concurrent sessions are to offer opportunities for expansion of the themes presented at the plenary sessions.

| | |
|--------------------------------------|---|
| Action | |
| Info. Copies | |
| W. Jones | ✓ |
| Landis | |
| Metz | ✓ |
| Byrnes Byrnes | ✓ |
| B. Bailey B. Bailey | ✓ |
| DPB | |
| Gary Johnson Gary Johnson | ✓ |
| SDB | |
| AAB | ✓ |
| Comm. Aff. | |
| Cust. Rel. | |
| EDC AAF Off. | |
| Technicolor | |

*Distributed
10-20-80*

Since I entered the hospital before I could keep my promise to write out for review, our views on program organization discussed at EDC in July, I am now sending them to you as well as to other members of the Committee.

As requested in your letter of September 2, I am sending you a skeleton version of my ideas for some program sessions. Since I am so keenly interested in the applications of remote sensing, my suggestions are oriented in that direction. I hope suggestions from other committee members will emphasize other topics that surely deserve attention.

I have two topics to suggest for committee consideration for plenary-concurrent sessions on Monday or Tuesday.

1. Uses of Remote Sensing in Land Resources Management, Planning, and Inventory in State and Federal Agencies (a long title which will need to be shortened if adopted).

It is proposed to have one presentation at a plenary session address, in an overview fashion, on State agency uses; and the other plenary session presentation would focus on Federal uses. One concurrent session would follow-up on State uses, the other on Federal uses.

I would, of course, expect to be responsible for inviting appropriate persons to make the presentations for such a plenary-concurrent session. I think Alex Tuyahov of NASA would like to work with me on such a topic.

2. Geographic Research Applications of Remote Sensing

Many professors, graduate students, and persons in State and Federal agencies are engaging in research in which they are using remote sensing as a tool--Bob Colwell and students at California (Berkeley), Jack Estes at California (Santa Barbara), Bob Rudd at University of Denver, John Jensen at University of Georgia, etc. Somehow I think a plenary-concurrent presentation on Monday or Tuesday would be very informative and interesting.

If such a topic were adopted by the Program Committee, I think the entire committee should participate in putting the program together.

Now I turn to two proposals for plenary session presentations on Wednesday (since the meeting adjourns at noon there would be no concurrent session follow-on).

1. Remote Sensing for Land Resource Studies in Canada and Mexico.
2. Land Cover Maps (Scale of 1:1,000,000) of North America from Landsat Data (Is it a feasible and useful idea ?).

I am anxious to see proposals from other committee members. I assume you will circulate their proposals to all concerned parties as soon as received.

Cordially,


James R. Anderson
Chief Geographer

Enclosures

cc: Roy A. Welch, ASP Committee Representative
Stanley A. Morain, ASP Committee Representative
Robert D. Rudd, AAG Committee Representative
John R. Jensen, AAG Committee Representative
Gary Johnson, NSGE Committee Representative
Alex Tuyhov, NASA Committee Representative
Patricia J. McWethy, Executive Director, AAG
William D. French, Executive Director, ASP
James Vining, Executive Secretary, NCGE
Allen Watkins, EDC, USGS
Gene A. Thorley, Chief, EROS, USGS
Rupert B. Southard, Chief, NMD, USGS

Proposed Pecora Symposium Program Organization
for review and suggestions from Program Committee

Sunday, October 18 -

Possible Workshop
Registration (late
afternoon and early
evening)
Possible field trip

Monday, October 19 -

8:30 am - 10:00 am - Plenary Session A (2
presentations only)
10:00 am - 10:30 am - Break
10:30 am - 12:00 noon - Plenary Session B (2
presentations only)
12:00 noon - 1:30 pm - Lunch
1:30 pm - 3:00 pm - Concurrent Session A
(follow on to Plenary
Session A) (3
presentations only)
Concurrent Session B
(follow on to Plenary
Session B) (3
presentations only)
3:00 pm - 3:30 pm - Break
3:30 pm - 5:00 pm - Concurrent Session AA
(second part of follow
on to Plenary Session A)
(3 presentations only)
Concurrent Session BB
(second part of follow
on to Plenary Session B)
(3 presentations only)

Trips to EDC would be arranged on Monday and Tuesday and on Wednesday
afternoon

8:30 pm - - Poster Session with Cash
Bar. Primarily
submitted presentations.

Tuesday, October 20 - Same format as Monday

Wednesday, October 21 -

Two plenary sessions
dealing with timely
issues
Possible field trip in
the afternoon.

PECORA VI STEERING COMMITTEE



Anthony R. Barringer
General Chairman and
Technical Program Chairman
Barringer Research Inc.



G. Bryan Bailey
Vice Chairman
U.S. Geological Survey
EROS Data Center



Frederick B. Henderson III
Program Advisor
The Geosat Committee

PROGRAM COMMITTEE

Ronald Cormick, Continental Oil Company
Jeff Friedberg, Aero Service Corporation
John Gableman, Utah International
Alex Goetz, Jet Propulsion Laboratory
R. J. P. Lyon, Stanford University
Leo Miller, Texasgulf
Robert Regan, Phoenix Corporation
Floyd Sabins, Chevron Oilfield Research Corporation
Gordon Swann, U.S. Geological Survey / Flagstaff
James V. Taranik, National Aeronautics and Space Administration

REPRESENTATIVES FROM SPONSORING ORGANIZATIONS

Allen H. Watkins, Chief, EROS Data Center
M. K. Horn, American Association of Petroleum Geologists
Pitt Thome, National Aeronautics and Space Administration

EROS DATA CENTER COORDINATING COMMITTEE

Advisor/General Arrangements — Gary Metz
Exhibits — Harold E. Lockwood
Graphics — G. O. Richards
Photography — Walter G. Wachob
Program Audio Visuals — William J. Redmond
Publicity and Staff Support — Phyllis J. Wiekping
Transportation & EROS Data Center Tours — Ray Byrnes

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SPONSORING ORGANIZATIONS



The **Society of Exploration Geophysicists** is an international professional organization of over 13,000 geophysicists and other earth scientists in more than 100 countries. Its headquarters office is located in Tulsa, Oklahoma. Established in 1930, SEG is dedicated to promoting the science of geophysics, especially as it relates to exploration and research, fostering the common scientific interests of geophysicists and maintaining a high professional standing among its members. SEG publishes the monthly scientific journal *GEOPHYSICS* and other technical publications, sponsors numerous educational programs and meetings, and engages in many other activities related to the exploration industry.

The **United States Geological Survey** is a Federal research and fact-finding agency which provides for the people of the United States: maps and geological information and makes available appraisals of the nation's potential energy and mineral resources. The U.S.G.S. also classifies federal lands for mineral and water power potential, supervises oil, gas and mineral lease operations on Federal and Indian lands and on the Outer Continental Shelf. The U.S.G.S. **EROS Data Center** is the main distribution center of imagery from NASA's Landsat series of satellites.

The **American Association of Petroleum Geologists** has more than 20,000 members around the world. It is headquartered in Tulsa, Oklahoma. AAPG's goal is to promote the science of geology, especially as it relates to the world's energy resources. In addition to the monthly *AAPG Bulletin*, the Association publishes numerous special publications, sponsors geologically-oriented meetings and engages in a wide variety of other activities related to the geological sciences.

The **Geosat Committee** is sponsored by more than 100 oil, gas, mineral and engineering geological corporations as well as geologists from government and academia. Its goals have, historically, involved encouraging NASA to supplement the Landsat remote-sensing system by adding world-wide, near-term, high-resolution, Landsat compatible, digital stereo imagery, film stereo imagery and radar imagery. The Committee, in cooperation with U.S.G.S. and NASA, seeks to broaden the training activities for industrial and other geologists with respect to applications and data processing techniques associated with Landsat.

The **National Aeronautics and Space Administration** is an agency of the United States of America well known for its manned and unmanned space programs. Headquartered in Washington, D.C., NASA developed the Landsat series of satellites now being utilized in the exploration for oil and minerals around the world.

The Pecora Symposium History

The Pecora Symposium was established in 1975 to honor the work of Dr. William T. Pecora, former director of the U.S. Geological Survey and later Undersecretary of the Interior. Dr. Pecora was the motivating force behind the establishment of earth resource sensing from space and had a deep appreciation for the use of satellite system programs in the continual, effective monitoring of national resources.

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GUIDELINES FOR PECORA SYMPOSIA

- o The sponsoring organization is approved by the Director, United States Geological Survey.
- o The sponsoring organization is financially responsible for the symposium and all related activities, including publishing proceedings.
- o The USGS is a cosponsoring organization and will contribute up to \$5,000 to any symposium to make up losses.
- o NASA is encouraged to be a cosponsor of all symposia.
- o The sponsoring organization may select other "cosponsoring organizations" or "participating organizations."
- o The sponsoring organization is responsible for selecting symposium dates, facilities, format, symposium theme, technical program, speakers, and all other details. USGS will provide advice and assistance as required.
- o The symposia are normally held in Sioux Falls, South Dakota, but other locations will be considered.
- o The sponsoring organization is responsible for all pre-symposium advertising and announcements.
- o The EROS Data Center will provide audio-visual assistance and Center tours if desired by the sponsoring organization (if held in Sioux Falls).
- o Exhibits may be held if desired by the sponsoring organization.
- o The registration fee, price of proceedings, and all other fees and prices are established by the sponsoring organization.
- o The NASA/USDI jointly awarded Pecora Award is made at the symposium banquet.

PECORA SYMPOSIUM HISTORY

| <u>No.</u> | <u>Dates</u> | <u>Sponsor</u> | <u>Theme</u> | <u>Proceedings Available</u> | <u>Location</u> | <u>Approx. Attendance</u> | <u>Registration Fees</u> |
|------------|---------------|--|--|------------------------------|----------------------|---------------------------|--------------------------|
| I | 10/28-31/75 | American Mining Congress | Application of Remote Sensing to Mineral and Fuel Exploration | Yes | Downtown Holiday Inn | 600 | \$75.00 |
| II | 10/25-29/76 | American Society of Photogrammetry | Mapping with Remote Sensing | Yes | Downtown Holiday Inn | 250 | \$40.00 |
| III | 10/30-11/2/77 | American Association of Petroleum Geologists | Application of Satellite Data to Petroleum and Mineral Exploration | No | Ramada Inn | 700 | \$75.00 |
| IV | 10/10-12/78 | National Wildlife Federation | Application of Remote Sensing Data to Wildlife Management | Yes | Downtown Holiday Inn | 300 | \$50.00 |
| V | 6/10-15/79 | American Water Resources Association | Satellite Hydrology | In work | Downtown Holiday Inn | 325 | \$55.00 |
| VI | 4/13-17/80 | Society of Exploration Geophysicists | Integration of Remote Sensing into the Exploration Process | Not Planned | Convention Center | 550 480 | \$95.00 |

The William T. Pecora Memorial Symposium

Objective: To foster the exchange of scientific and resource management findings resulting from the use of remote sensor data.

Sponsorship: The United States Geological Survey will provide continuing co-sponsorship of the symposium and seeks association with professional societies to provide for proportionate reporting in a variety of fields.

Location: The first and most subsequent symposia will be held in Sioux Falls, SD (the site of the Earth Resources Observation Systems (EROS) Data Center (EDC)). Excellent meeting and exhibit facilities are available in Sioux Falls. The location of specific meetings, however, may be changed by mutual agreement among the co-sponsors.

Timing of symposia: A symposium will be held approximately every 12 months on a date selected by the co-sponsors.

Program content: Program content of the symposia will emphasize the operational uses of satellite and other remote sensing data for resources and environmental purposes; this will include the processing of the data and analyses of future requirements for data. Disciplinary and topical emphasis is expected to shift from meeting to meeting, depending on the identity of the sponsoring society(s).

Selection of sponsoring societies: The U.S. Geological Survey will select the lead and co-sponsoring societies guided by their expressed interest and the desire to provide for broad disciplinary and management scope in symposia content.

Direction of symposium: To simplify symposium management and planning, the society assuming lead sponsorship would direct the planning of the program (utilizing committees named below) and be responsible for symposium logistics. Lead responsibility would then fall successively to other co-sponsors, with the lead society relinquishing the lead role after completion of the meeting and publications of proceedings.

Organization of the symposia: Three committees be formed to help plan and run each symposium: 1) a meetings committee, responsible for such things as space, registration, visual aids, exhibits (if desired), publicity, and social activities. This committee to be made up of one member of each sponsoring society and one member of the Geological Survey (probably from the EDC to assure coordination with the center and the community) and would be chaired by a member of the lead society; 2) a program committee, responsible for the solicitation and selection of papers. This committee to be made up of representatives from each of the interested co-sponsoring societies and the Geological Survey, and would be chaired by an elected chairman; and 3) a publications committee. This committee would be made up of representatives of the sponsoring societies and the Geological Survey, and would be chaired by the lead society.

Fiscal responsibility: The U.S. Geological Survey will provide a maximum of \$5,000/yr or approximately 1/2 the funds necessary for the symposium, through a grant process. The lead society will be expected to assume responsibility for the remainder (but may solicit support from other societies if need be) and to provide necessary budgets and fiscal reports. Funds remaining (if any) shall be passed on for support of subsequent symposia or related special efforts. A budget for a recent scientific meeting held in Sioux Falls is attached for information. Attendance at this meeting was approximately 600.