

**National Association of Geoscience Teachers (NAGT)
Annual Report 2005-2006**

Presented at 2006 GSA Annual Meeting



Syncline of folded Mississippian Rockwall and Purslane Formations in road cut, Sideling Hill
Washington County, MD (Pamela Gore)

**National Association of Geoscience Teachers (NAGT)
Annual Report 2005-2006
Presented at 2006 GSA Annual Meeting**

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A. Executive Committee (Member reports)

a. Presidents

i. President

2005-2006 Annual Report (Scott Linneman)

GSA Associated Societies Meeting. I attended this meeting at GSA offices in Boulder CO, in February. My main input came during a discussion of accreditation of geology programs, when I explained why I thought this was not a good idea. GSA president Bill Thomas is moving forward with the idea and I will represent NAGT ExComm in a letter opposing the plan.

NAGT Budget Planning Meeting. I assisted the executive director in organizing a special meeting of the ad hoc budget planning committee (Feiss, Linneman, Havholm, Riggs, Wheeler and MacGregor), in February. A five-year budget was developed that should keep the organization on sound financial group for the long term.

NAGT Mid-Year Meeting. I assisted the executive director in organizing the mid-year meeting of the NAGT Executive Committee in coordination with the Far West Section field conference in Cambria CA, in March. New ExComm members were welcomed, many issues were discussed, lists of tasks were generated, most of these accomplished. Significantly, the five-year budget proposal from the budget planning group was adopted and a new 2007 dues/subscription schedule passed.

NSF GeoTeach Proposal. I joined the distinguished team of Cathy Manduca (Carleton SERC), Dave Mogk (Montana State Univ.) and Roberta Johnson (UCAR and NESTA Executive Director) to write and submit a proposal to NSF's GeoTeach program (\$15M!). This process was simultaneously intellectually engaging and organizationally challenging. Unfortunately, our proposal, "Improving Geoscience Education through the NAGT/NESTA GEO-Teach Network", was not selected for funding. At this writing, it is not clear how the GeoTeach project will affect NAGT leadership or its members.

NAGT Eastern Section Field Conference. In May I attended the Eastern Section field conference in West Virginia. There I met with the section leadership, attended a field trip and marveled at the fun they have at their GeoAuction.

Liaison with Pacific Northwest Section of NAGT. I helped Bob Christman (WWU) organize, promoted and attended the PNW Section meeting in Bellingham WA, in June. The meeting was very well organized with three days of field trips and one meeting day. Attendance at the PNW Section conferences remains stable. Their next field conference will be in _____.

Electronic Membership Services. I worked with the Executive Director on our transition to electronic member services from the American Institute of Physics (AIP). I led a review of AIP's draft membership web site. Hopefully this site will be operative before the GSA meeting in Philadelphia. We will also be able to sign members up at the meeting.

NAGT Tri-fold Brochure. I updated the colorful brochure to reflect the changes in dues/subscriptions. Booth sitters at GSA will get to install update stickers on the old versions.

Unfinished Business. In such a review as this, it is important to point out what didn't get done this year.

- I need to meet with Cathy Manduca to establish a policy for JGE use on the web. SERC staff encountered at least one case of a commercial site re-posting JGE articles mined from our website.
- A member has inquired about NAGT sponsoring ASBOG review courses for professionals seeking licensure. Interesting idea. Any champions?
- The field camp scholarship program is still under-funded relative to the number of applications (especially last year). Yildirim Dilek has done a wonderful job of organizing the program from advertisement to selection. We even have a cooperative arrangement with the AWG that allow us to expand the program last year.
- The NAGT position statement is finished, but needs to be posted in its final form.
- We still need to engage our membership in the Teaching in the Field collection site.

ii. 1st Vice President

2005-2006 Annual Report (Karen Havholm)

Distinguished Speakers Committee

Please see **DS Report**

Liaison

Gave NAGT National update at Central Section business meeting, sat booth (Akron, N-C GSA).
Section seems to be active and thriving.

GSA Session Schedule

With Heather Petcovic of GSA Education Division, reviewed, organized and scheduled education-related sessions.

AGI Member Society Council Meeting and Outreach Workshop

- Selected member societies gave examples of outreach activities and AGI Education Outreach staff reviewed principles of successful outreach programs.
- AGI summarized its System Earth television series project. Four years of planning and soliciting financial support is going to result in 4 50-minute television episodes on the Discovery Science Channel in early 2007; there are also plans for international distribution. AGI is responsible for scientific accuracy review. A key benefit to the earth science education community is that the high-end graphics, animations and video footage will become generally available for use in teaching.
- AGI hopes to initiate other large efforts of this nature.

Miscellaneous

Sponsorship considerations: GeoTeach, AGI workshop, GSA sessions
Neil Miner Award committee member

iii. 2nd Vice President

2005-2006 Annual Report (Eric Riggs)

My activities this year on behalf of NAGT include the normal interactions with the Executive Committee via e-mail and in person at various meetings. Beyond these standard interactions, I participated in the following roles at the following meetings and events:

- **Executive Committee Budget Sub-committee** meeting in February 2006, Napa, CA. We worked to help construct long term budget projections and strategies brought before the entire Executive Committee at the Mid-Year meeting
- Participated in the **Mid-Year meeting** and Far Western Section meeting, March 2006 in Cambria, CA
- Designed and conducted the **NESTA NSTA field trip** with Dr. Jeff Knott of CSU Fullerton, April 2006. San Andreas fault region/Los Angeles Basin field trip. It was big fun, but we got rained/snowed out at the very end near Wrightwood in the San Gabriel Mountains.
- Assisted our First Vice President Karen Havholm in vetting her decisions for sponsorship or co-sponsorships of **topical sessions for the GSA 2006 Annual Meeting**, as called for in my role as Second VP.
- Participated in the **NAGT Web site design committee** under the direction of Cathy Manduca, taking on the tasks of evaluating and suggesting changes to the field trip and distinguished speaker sections of the site.
- In cooperation with Claudia Alexander from JPL, we completed the Call for Papers and oversaw submissions to the AGU GEMS electronic submission system for articles under consideration for the upcoming **Special Issue of the Journal of Geoscience Education on Broadening Participation in the Earth Sciences**. Submissions were essentially complete by mid to late August 2006. We are currently in the process of securing reviewers for the special issue. With co-authors Norrie Robbins and Bekky Darner, I also contributed an article for consideration for inclusion in this issue. We are hoping we can identify sufficient numbers of reviewers to initiate the review and revision process promptly.
- Served as the NAGT representative at a community-wide meeting on **Field Based Geoscience Education** called by Lee Suttner at the Indiana University Geologic Field Station in August 2006. The meeting was called to explore the formation of a national center or alliance which would serve as a uniting organization to further field-camp style education for a variety of audiences. My role was to present the geoscience education opportunities inherent in such an alliance and provide the collected group of academic, industry and government representatives an overview of the opportunities for K-12 teacher education, education of geoscience majors, and continuing education of geoscience professionals. I also served on two ad hoc committees at the meeting who's charges it was to 1) outline how such a national alliance of field programs could benefit K-12 teacher in-service professional development and the high school level teaching of geosciences, and 2) to establish a draft outline of the conceptual structure of the

entire alliance. Dr. Suttner's summary of the purpose of the meeting, excerpted from a letter he sent afterwards, is included here:

“On August 21-22 a cross-section of over 50 leading geoscientists from academia, industry and the government met at the Indiana University Geologic Field Station to discuss and evaluate a new paradigm that would address the above ----a paradigm that would elevate the nation's awareness of the value of a field learning experience in geoscience, increase the level of excellence of such experiences, and impact a far broader spectrum of students and adults. The paradigm is based on multi-university collaboration in the design and execution of off-campus based field courses for high school teachers and students, especially honors and minority students, graduate discipline-specific courses, continuing education courses for post-graduates both within and outside the geosciences, and “Elderhostel” experiences for the general adult public.”

The meeting was very successful and generated significant momentum and enthusiasm. With very few exceptions the collected attendees recommended that Dr. Suttner continue to advance the idea of this Alliance, proposed for now with the draft name as the Alliance for Geoscience Field Education. There will be a town hall meeting to discuss the next steps in the evolution of this idea. The meeting will take place at this GSA Annual Meeting on Sunday, Oct. 22, 2006 from 4-6 pm in Rm. 201A of the Philadelphia Convention Center (PCC). In true geological style, Indiana University will be offering complimentary beer, wine and soft drinks to attendees.

- **GeoSciEd V.** I was the NAGT representative at the IGEO GeoSciEd V meeting in Bayreuth, Germany September 2006. I made a research presentation and attended the council meeting of the IGEO as an observer. The meeting was a success, and while smaller than GeoSciEd IV, it was a valuable meeting in that it was the first IGEO conference held in a non-English speaking country. Representatives were present at the meeting from over 20 countries from all the inhabited continents of the planet.

Beyond new research initiatives that may be of interest to individual members, issues of general interest to the NAGT Executive Committee at this meeting included:

- the GeoSciEd VI meeting will be held in 2010 in Johannesburg, South Africa, continuing the likely long-term trend of holding the meeting in non-English speaking countries and initiating a stated goal of moving the meeting to a series of non-Anglo-Saxon countries. At this point candidates for the 2014 GeoSciEd VII meeting appear to be India and Taiwan, although it is too early to tell for sure. There was a call from the IGEO council for co-funding or co-sponsorship of future GeoSciEd meetings, and the NAGT Executive Committee may wish to consider formal and financial sponsorship of the South Africa meeting at some level.
- The IGEO has also decided to hold GeoSciEd meetings every four years now, rather than every three years. The justification for this is that the international geoscience education community is now regularly meeting and presenting research at the international IGO meetings, where (in close analogy to GSA) education sessions have gained marked prominence along with regular geoscience presentations. These meetings happen every two years, justifying the new four year interval of GeoSciEd meetings.
- The International Science Olympiad will be hosted in Seoul, South Korea in 2007, led in part by the geoscience education faculty at Seoul National University. It may be helpful to the

Olympiad and good for the cause of geoscience in our schools and internationally for NAGT to consider publicizing this even in conjunction possibly with NESTA through all our available channels.

- **NSF Geosciences Beyond 2000 revision Working Group.** I was asked by Margaret Leinen at the National Science Foundation Geosciences Directorate this September to participate in a Working Group whose task it will be over the next 18 months to construct a revision of the Geosciences Beyond 2000 strategic planning document for the directorate. I was asked to participate primarily as the main representative for the geoscience education community, and have been charged with making initial suggested rewrites to the education section of this document with Mary Jo Richardson from Texas A&M. Clearly the NAGT Executive Committee should feel free to offer input, as perhaps should be the general NAGT and NESTA memberships. There will be many calls for community-wide input from the NSF, and I feel that NAGT should formally offer to help gather comment from our membership as this effort goes forward.
- **NAS Gathering Storm meeting:** I attended the meeting on September 28, 2006 at the National Academy of Sciences in Washington, D.C. convened to create initial action steps in response to favorable Congressional response to the NAS Rising Above the Gathering Storm report (available online in draft form at NAP). While I was there primarily as part of an administrative cadre from Purdue, but I made sure to wear my metaphorical NAGT hat (and lapel pin of course). Senate Bill 3936 is currently moving forward on the Hill, and it is hoped by many key senators that this authorizing legislation will pass both houses with large bipartisan support during the lame duck session and be signed into law by President Bush this year. To make this happen, the science education community should move quickly to voice national support to lawmakers and the administration. The bill authorizes expenditures for most of the recommendations put forth in the Gathering Storm report, and the action items recommended by most regional breakout committees include many avenues of potential interest and involvement on the part of the geoscience education community. I believe the NAGT should take a proactive role in propelling the geosciences into a leadership role in the call for science literacy, relevant science curricula, and integrated, socially-relevant science. This is a large-scale national initiative and we should be actively involved.
- My involvement as a **NAGT Distinguished Speaker** was at a low mark this year. I conducted no formal NAGT-sponsored visits, largely because of scheduling issues and other assorted distractions associated with my move to Purdue University. This situation has already changed for my third and final year on the Speaker docket, as a trip to Western Michigan University is already in the works for late this calendar year or early next.

iv. Past President

2005-2006 Annual Report (P. Geoffrey Feiss)

1. Attended Annual Meeting of Council, and ancillary other meetings, in Salt Lake City, October 15-18, 2005.
2. Attended special ExComm budget meeting in Sonoma, February 3-5, 2006
3. Attended ExComm meeting in conjunction with Far Western Section meeting, March 24-27, 2006
4. Chaired NAGT Nominating Committee
5. Coordinated the drafting of the NAGT ExComm response to GSA proposal for certification of collegiate geoscience departments
6. Keynote speaker and blatant proponent of NAGT membership to Virginia Earth Science Coalition, September 18, 2006

PI (with Heather Macdonald, Cathy Manduca, and Randy Richardson) renewal of NSF-funded project entitled, "Building Strong Geoscience Departments"

b. NAGT Officers

i. Executive Director

2005-2006 Annual Report (Ian MacGregor)

A. Executive Committee: Budget Sub Committee Meeting (February 2006)

Attendees: Scott Linneman, Geoffrey Feiss, Karen Havholm, Eric Riggs, Greg Wheeler, Ian MacGregor

Special meeting to discuss next decade of NAGT budget issues

Items discussed were as follows:

1. Contract with American Institute of Physics (AIP) for management of membership (transactions, dues, databases, membership finances)
 - a. See attached EXCEL file for budget estimates
 - b. Recommendation to proceed with award of contract with AIP
2. Recommended change of membership dues (approved by ExComm, Mid-Year)
 - a. New dues structure

Membership: Annual dues	Amount
Members	
Regular member (Domestic): 1-year	\$45.00
Regular member (International): 1-year	\$57.00
Regular member (Domestic): 2-year	\$85.00
Regular member (International): 2-year	\$109.00
Regular member (Domestic): 3-year	\$130.00
Regular member (International): 3-year	\$161.00
Retired (Domestic)	\$30.00
Retired (International)	\$45.00
K- 12 Teacher (Domestic)	\$35.00
K- 12 Teacher (International)	\$47.00
Student (graduate & undergraduate): (Domestic)	\$20.00
Student (graduate & undergraduate): (International)	\$35.00
Subscriptions/Libraries	
Domestic	\$135.00
International	\$174.00

3. Management of Oakmark Mutual Select Fund
 - a. Recommended that that restricted and unrestricted funds be placed in one Oakmark account
4. Bookkeeper
 - a. Recommended NAGT hire bookkeeper to review accounts
5. Developed estimate of Long Term Budget
 - a. Action: Attached is EXCEL file for budget estimate for years from 2006 to 2011

B. Mid-Year Executive Committee Meeting (See minutes)

Meeting held in conjunction with Far West Section 2006 Spring Meeting in Cambria, CA.

1. Executive Committee endorsed recommendation of Budget sub committee allowing Executive Director to
 - a. Move forward with negotiation of electronic membership management contract with American Institute of Physics (AIP)
 - i. Action: Contract negotiated (see later discussion)
 - b. Move forward to hire bookkeeper and accountant
 - i. Negotiated contract with Joy Elzholz (bookkeeper)
 - c. Transfer restricted and unrestricted funds into single Oakmark Mutual Fund
 - i. Funds now transferred (see budget for current status)
 - d. Change dues structure
 - e. Budget actions result in renewed estimate of long term budget
 - i. Attached as EXCEL file

C. Electronic Membership Management System with American Institute of Physics (AIP)

1. Negotiated contract with AIP
2. Contract includes following services to members and subscribers
 - a. Remote electronic management of personal accounts (renewals, change

- of data); note that members may still renew by postal mail and use checks or credit cards to pay dues
 - b. New members have access to electronic application and registration
 - c. AIP website can be accessed directly or through link from NAGT website (www.nagt.org)
3. Contract includes following services to NAGT
- a. Tracking of all JGE transactions (members and subscribers)
 - b. Monitoring of missing JGE mailings (claims)
 - c. Provide NAGT with list of back/missing/claimed issues that need attention (NAGT will continue to mail back issues)
 - d. Management of all membership finances
 - e. Maintenance of NAGT membership databases
 - f. Provide email lists and label lists to sections and Newsletter for communication with members
 - g. Annual solicitation of renewals
 - h. Management of new member applications
4. Estimate of costs: see attached EXCEL budget sheet

D. Bellingham office

- 1. Maintained membership records through Speedy Automated Mailers Inc. (S.A.M.)

E. Annual Budgets (Ian MacGregor)

- a. Income and Expenses (Sept. 1, 2005 to Aug 31, 2006)
- b. Balance sheet (Sept. 1, 2005 to Aug 31, 2006)
- c. Oakmark Mutual funds
- d. Projected long term costs

ii. Treasurer

2005-2006 Annual Report (Greg Wheeler)

Far Western Section: Attended the Far Western Section spring meeting in Cambria, California. March, 2006. Maintain communication with the active members of this section.

Strategic Planning: Attended the mid-year Executive Committee meeting in Cambria, California. March, 2006.

Secretary duties: Took notes and distributed the minutes for the NAGT Council Meeting and the NAGT Planning meeting in Salt Lake, City, October, 2005. Took notes and distributed the minutes for the NAGT Executive Committee Mid-Year Meeting. March, 2006.

Treasurer Duties: Interacted with and monitored the budget activities of both the out-going and in-coming NAGT Executive Directors. Double checked the budget figures developed by Bob Christman and Ian Macgregor.

Met with Investment Committee members and others in February, 2006 to rectify short term budget issues and plan long term budget for presentation at the March 2006 Executive Committee meeting.

Investment Committee: Chaired a committee that included Geoff Feiss and Ian Macgregor to examine investment options for NAGT national funds not needed for annual operations.

North-Central Liaison: This is a long inactive section that I was assigned to try and reactivate. I have worked with Sheila Roberts, at Univ. of Montana-Western to help stimulate this section. Sheila attended the Far Western Section meeting in Zzyzx, California, in spring of 2005. She has distributed a section newsletter and is planned the first section meeting as a field conference in summer of 2006. She became ill and the conference and her activities have been postponed.

a. Special Reports

- i. Electronic Membership: American Institute of Physics (Scott Linneman)
- ii. Long term budget management and new dues/subscription structure (Scott Linneman)

C. Councilors

a. Michael Gibson

2005-2006 Annual Report

GSA Annual Meeting (Salt Lake City, Utah):

- Attended NAGT Planning Meeting and Council Meeting held in conjunction with national GSA meeting
- Worked with several rounds of edits with committee on drafting the NAGT Position Statement on the teaching of Evolution. Final edit has been submitted to council.
- Approached Paleontological Society at their mid-year council meeting in Washington DC to discuss joint ventures on the Creation/Evolution/ID issue; the PS showed great interest in having their Education & Outreach Committee pursue joint endeavors, including perhaps sponsoring joint sessions at GSA meetings (annual & regional). Additionally,

the need for compiling existing educational research pertaining to the teaching of paleontology was discussed and the roll of NAGT in helping to compile and or publish this material was discussed.

Other Activities:

- Coordinated with Southeastern NAGT Section Chair concerning NAGT activities; made report to SE NAGT officers at the SE Section GSA meeting in Knoxville, TN (April, 2006).
- In role of Tennessee OEST Coordinator (through Tennessee Earth Science Teachers-TEST), I served on the committee of K-12 teachers who identify the state OEST nominee. I then coordinated with the nominee, Mr. Bryan Byrne from Columbia, TN, to prepare his nomination packet for forwarding to SE Section Chair for consideration as the SE regional OEST awardee.
- Helped organize a full-day workshop on plate tectonics to be run November 16 in Nashville, TN at the Tennessee Science Teachers Association Meeting. At this meeting we will have a NAGT display in conjunction with Tennessee Earth Science Teachers booth.
- Continued in my roll as contributor to the SE NAGT Newsletter for issues related to Tennessee specifically, and forwarded from National.

Mid-Continent Liaison Activities:

- Mid-continent was represented at the Salt Lake GSA by Ron Schott (Fort Hays State U., Kansas), who has taken the reins to revitalize the section locally. Consequently I have not actively been in touch with that section this past year.

b. Linda Selvig

2005-2006 Annual Report

This past year I attended or represented NAGT at the following:

- the NAGT mid-year meeting in Cambria, CA
- Presented at the NESTA/NAGT joint share-a-thon at the Anaheim, CA NSTA science conference.
- Attended the NESTA Strategic Planning committee meeting in Winter Park, CO as a NAGT representative and gave input to help NESTA draft a strategic plan document.
- Will attend the GSA conference and NAGT fall meeting in Philadelphia. PA 2006
- No contact has been made with the liaison for the North Central section of NAGT.

c. Jeff Tolhurst

2005-2006 Annual Report

- I attended the Spring NAGT FWS Conference hosted by Cuesta College (San Luis Obispo, CA) held at a retreat in Cambria, CA. (March 24-26th). The conference had approximately 86 attendees, mostly from central California and was well run.
- I also attended the spring ExComm meeting held in conjunction with the Spring FWS meeting held in Cambria, CA and then at Cuesta College (San Luis Obispo, CA; March 26th and 27th). I submitted my ExComm report to FWS leadership at the business meeting and

solicited comments/feedback from FWS leadership and members to bring back to the ExComm (one main issue continues to be the loss of magazine style articles in JGE. I suggested contacting NESTA in order to solicit feedback from them on having NAGT collaborate with them to provide their magazine to our members. Linda Selvig said she would talk with contacts and connections she had there (she's been a past NESTA ExComm member) and see what could be done (perhaps offer either NESTA's journal (The Earth Scientist) or our journal (JGE) or both as options for our members). Additionally, the new membership site was discussed. Ian, Geoff, and I have worked on design of which attributes should be collected for the database and Geoff or Ian should have a copy of the list we developed. Pranoti, Geoff, and I had previously worked as a subgroup on diversity issues within NAGT and what attributes would be helpful in analyzing the diversity of our membership. Geoff should have a record of that discussion as well.

- I also hosted the Fall 2006 NAGT FWS Conference at my home institution, Columbia College, in Sonora, CA. (September 29th – October 1st). The conference had approximately 85 attendees from as far away as San Diego, Chico, Reno/Carson City, and San Francisco (see participant map, by zip code, with field trip sites, below). Keynote speakers included Dr. Rich Schweickert (University of Nevada, Reno) and Dr. Cathy Busby (U.C. Santa Barbara). More information can be found on the conference website I developed: http://virtual.yosemite.cc.ca.us/jtolhurst/ESGIS/NAGT_Conference_Fall_2006/NAGT_Fall_2006.htm. The field trips and guidebook focused on geology of the central Sierra region.

d. Richard Yuretich
2005-2006 Annual Report

Coordinating the Field Scholarship Committee that was created by the Council at the Salt Lake City GSA. Our report is also attached, and this is the bulk of my mid-year report.

Other activities:

- Attended the Council Meeting at Salt Lake City GSA on 10/15/05.
- Helped set up the NAGT booth at the meeting.
- Agreed to serve as co-convener for NSF/NAGT “Early Career Workshop” this spring in Williamsburg.
- Currently teaching an on-line course “Investigating the Ocean” for the professional development of science teachers.
- Discussions with Scott Linnemann and Cathy Manduca about possible NAGT initiative in relation to NSF “Geo-Teach” solicitation.
- Follow-up of teachers involved last summer in “STEM Earth Central”, a teacher professional development project funded by NASA with sponsorship by NAGT. We are now planning for the second cycle of this project.

D. Sections

a. Central Section

2005-2006 Annual Report (Annabelle Foos)

A. 2006-2007 Section Officers

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B. Reports

a. Annual Business Meeting

The annual business meeting of the Central Section NAGT was held April 21st in conjunction with the North central Section Geological Society of America meeting in Akron Ohio. The new slate of officers were elected and we solicited nominations for a 2nd VP for 2007 from Indiana. We did not have an OEST – Outstanding Earth Science Teacher Awards 2005 Presentation because we did not have any nominees for 2005. Sallie Greenberg, OEST Chair, encouraged us to support this important activity. She will be talking to the state reps. Nominations for next year are due September 1st to Sallie Greenberg (greenberg@isgs.uiuc.edu). Karen Havholm presented a report from NAGT, National, where she discussed the financial health of the organization, updates to the web site and the new membership database service.

For the secretary's report Janis Treworgy reminded those present that they are welcome to send her content for the newsletter and reported on the e-mail distribution of the newsletter. 14% of our members (41/292) did not receive a newsletter due to lack of a current email address, however the newsletter is posted on our web page and we have encouraged national to make it clear on the membership application that a valid email address is required to receive the newsletter. The events sponsored by the central section NAGT 2005-06 were presented and we discussed future events for 2006-07. We voted to co-sponsor the joint field conference (see below) with \$250 contingent on them offering a student registration rate. Kerry Keen announced that notices of educational workshops that we may be working on individually (not under the auspices of NAGT) may be placed on our Central Section website. Contact our webmaster, John McDaris. Detailed minutes of the meeting are available at http://www.nagt.org/nagt/organization/central/minutes_newsletters.html.

b. 2006 OEST Awards

- Section Winner:
 - Aaron Spurr, Price Lab School – Northern University High School, Iowa
- State Winners:
 - Iowa: Aaron Spurr, Price Lab School – Northern University High School
 - Minnesota: Mr. Kirk Enzenauer of Coon Rapids Middle School, Coon Rapids

C. Annual Activities/functions

a. Events Sponsored by Central Section NAGT 2005-2006

- NC-GSA meeting, Akron, OH, 2006
 - Theme sessions:
 - Evaluating Student Learning in Geoscience Courses
 - Issues in Geoscience Education
 - Countering Creationism in the Classroom

- Climate Change, Natural Hazards, and the Teaching of Earth System Science
- Workshop for K-12 educators: Teaching Evolution in the K-12 Classroom
- Field Trip: Guide to the Building Stones and Cultural Geology of Akron, Leader-Joe Hannibal
- Luncheon business meeting
- Field Conference co-sponsored with Great Lakes Section of SEPM
 - Decorah, Iowa, 9/24-25/05 Ordovician geology of the Upper Mississippi Valley,
 - Leaders: G. Ludvigson, B. Witzke, N. Emerson, J. Young, J. Dorale
- Field Trip co-sponsored with 66th Annual Tri-State Field Conference
 - Ames, Iowa, 9/24-25/05
 - Paleozoic and Quaternary geology and hydrogeology of central Iowa
 - Leaders: J. Dawson, M. Graesch, N. Iverson, B. Simpkins, C. Vondra, C. Harding

b. Planned 2006-2007 Activities

- Field Trip cosponsored with Great Lakes SEPM and Tri-State 2006 Field Conferences will be combined.
 - New Perspectives on Paleozoic Epeiric Seas and Carbonate Platforms of the Iowa and Illinois Basins, Rock Island, IL, September 30, 2006
 - Leader: Dr. Jed Day (jeday@ilstu.edu), Illinois State U, Normal, IL
- Proposed NAGT program, 2007 NC-GSA, Lawrence, KS, April 12-13
 - North Central-GSA and South Central-GSA will be combined in 2007.
 - Theme Sessions:
 - Community Based Service Learning in the Geosciences.
 - Issues in Geoscience Education
 - Workshop:
 - Organization and Presentation of Continuing Education Opportunities for K-12 Teachers

D. Central Section Treasurer's Report (Edward C. Hansen)

Fiscal Year 2005-2006	Income	Disbursements	Balance
Balance on hand 7/1/05			6637.96
GS of I Sept field conf		250.00	
Kate Pond – Teacher workshop		80.07	
GSA - booth		100.00	
Balance on hand 4/20/06		430.07	6,207.89

b. Eastern Section

2005-2006 Annual Report (Tom Repine)

Current Officers:

President: Tom Repine
 Vice-President: Daniel Vice
 Treasurer: Frank Revetta
 Editor: Martin F. Schmidt, Jr.,
 Archivist: Jim Hensel
 2nd Vice-President: Deb Hemler
 Secretary: Anne Nall
 Publicity Chairperson: Rich Gottfried

The 2006 Eastern Section meeting (May 18-21,2006) enticed 56 participants to Parkersburg, WV. for a meeting organized by representatives of West Virginia University at Parkersburg, Marietta College, Fairmont State University, West Virginia Geological Survey, West Virginia University (main campus). A few participants were members of the Central Section.

Participants interacted with two rock, mineral, and fossils vendors and two invited presenters. They also took advantage of a half day exploration of historic Blennerhassett Island, its Museum, and the required Ohio River boat trip! In addition, ten K-12 teachers, representing the WVGES RockCamp Program, offered a shar-a-thon session where earth science classroom activities were presented in an atmosphere promoting guest interaction.

The influence of the Ohio River influenced the presentations and field trips as discussions on glaciers in West Virginia (not!) gave way to field trips comparing and contrasting floodwalls similar to those in some parts of New Orleans, exploration of the origins and economic history of the Burning Springs Anticline, and study of the sedimentary rocks of the Parkersburg area representing some of the youngest rocks in West Virginia and the Central Appalachian Basin. Of course, this emboldened more contributions to the more than 100 years old debate on their Late Pennsylvanian or Early Permian? Age.

Ten oral presentations covered evolution issues, classroom techniques, and sessions on dinosaur work being conducted by professors and staff at our host institutions and K-12 educational opportunities with the Carnegie Museum of Natural History, and The GLOBE Program. Our invited speaker, Dr. Gregory Forbes of the Evolution Education Institute gave a great opening presentation on a relevant and important topic: *“Responses to Anti-Evolutionists Claims.”*

We'd also like to thank NAGT President Scott Linneman for taking the time and travel a great distance to join us.

Awards presented during the meeting were:

John H. Moss Award for Excellence in College Geoscience Teaching - Dr. James R. Ebert of the SUNY College at Oneonta Earth Sciences Department.

Digman Award was presented to Mr. Jeri L. Jones from Pennsylvania.

Eastern Section Field Camp Scholarship was awarded to Ryan M. Weller, from the University of Pittsburgh at Johnstown.

Outstanding Earth Science Awardees were:

Walter “Len” Sharp - New York State and Eastern Section Award

Walter Patelunas - New Jersey

Christa Bowser - Maryland

Jason Petula - Pennsylvania

Edwin Berry - West Virginia

James F. Smith - Virginia

The meeting made a profit of approximately \$2000.00 and the Geoauction raised in excess of \$500.00. Frank Revetta, Eastern Section Treasurer reports that, as of mid-June, the section budget was in excess of \$8,000. The exact number awaits ratification of outstanding section expenses and profits.

**c. Far West
2005-2006 Annual Report (Gary Hayes)**

OFFICERS:

President

Garry Hayes
Modesto Junior College
435 College Ave
Modesto, CA 95350
hayesg@mjc.edu

1st Vice President

Brigitte Dillet
Western Nevada CC
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bdillet@wncc.edu

2nd Vice President

Mark Boryta
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Secretary/Treasurer

Leona Fisher
4511 Wild Horse Hollow
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Publications Coordinator

Paul Troop
318 Romano Way
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**Past President and
OEST Coordinator**

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Webmaster

<http://nagt-fws.org>
Richard A. Smith
rasmith7@pacbell.net

Archivist

Mike Martin
7450 Northrup Dr #318
Riverside, CA 92508
m.w.martin@sbcglobal.net

SECTION ACTIVITIES:

Spring Conference: March 24-26 at Cambria, California, sponsored by Cuesta College

A total of eighty-six members, guests, and students attended the spring 2006 Far West Section conference in Cambria. The event included guest speakers, four field trips and a workshop on the use of Geographic Information Systems in geoscience education.

Our Friday night speaker, Mike Rymer of the USGS, provided an informative and entertaining lecture on the geology and seismology of the Central California Coast. Focusing on the recent San Simeon and Parkfield earthquakes, Mike's presentation laid the foundation upon which the next days' field trips would be built.

Light rain greeted the participants on Saturday morning as field trips headed out after breakfast to three different destinations. Mike Rymer (above and beyond the call of duty) led a group on a rather wet tour of the San Andreas Fault from Highway 46 south to Wallace Creek. Mihai Ducea of the University of Arizona went north on Coast Highway to explain the extraordinary geology of Big Sur and the Salinian Block. A third group toured the Diablo Canyon Nuclear Power Plant with Lloyd Cluff.

Brian Wernicke from Caltech provided after-dinner "infotainment" with an engaging talk about the "Great Basin Tectonic Megaoscillator," tracking large-scale changes in geodetic velocity.

The last day of the conference broke with beautiful weather for members who either joined a short course at Cal Poly on the uses of GIS software in education, or followed Jeff Grover and Paul Bauer to key outcrops of rock units within the Estero Bay. Both activities ended by early afternoon, affording participants some free time to explore the central coast before heading home.

Many thanks are due to Jeff Grover and Paul Bauer and the volunteers who conducted the this wonderful conference.

Fall Conference: Sept. 29-Oct. 1, 2006, sponsored by Columbia College

A total of about eighty-five members, guests, and students attended the fall 2006 Far West Section conference in the Sierra Nevada foothills town of Columbia, California. The event included two guest speakers, seven field trips and a workshop on the use of Geographic Information Systems in geoscience education.

Rich Schweickert, Ph.D., University of Nevada, Reno, was the keynote speaker for Friday night, speaking on the Accretionary Tectonics of the Western Sierra Nevada Metamorphic Belt.

The Saturday trips included a tour of the Tertiary stratigraphy and structure of the Sonora Pass area led by Cathy Busby, Ph.D, University of California, Santa Barbara and Dave Wagner, M.S., (California Geological Survey - retired). Participants traveled to the Sonora Pass area to observe the transition between Cascadian subduction and Basin and Range extension; Cathy and Dave discussed the story of how the rocks here provide a key to understanding the evolution of these provinces.

The second offering, “Accretionary Tectonics of the Western Sierra Nevada Metamorphic Belt”, was led by Rich Schweickert, Ph.D. (University of Nevada, Reno). The Western Sierra Nevada Metamorphic Belt includes a wide variety of tectonostratigraphic terranes that contain clues to Paleozoic and Mesozoic plate interactions along the western margin of the North American continent. Rich used his years of research in the region to piece together this complex story.

Although we were not able to conduct the trip, Patrick Koepele, M.S. (Tuolumne River Trust) offered a study of the “Tuolumne River Watershed: an Overview Including Current Restoration Projects”, which is available in the conference guidebook.

Garry Hayes, M.S. (Modesto Junior College) led a trip on the geology of the Tuolumne Meadows region of Yosemite National Park - Garry led participants through a less-visited part of Yosemite to examine the geologic evolution of the Tuolumne Meadows-Tioga Pass area.

Our Saturday night keynote speaker was Cathy Busby, Ph.D, University of California, Santa Barbara, with a presentation on stratigraphy and structure of the Sonora Pass region.

Erin Mutch, a GIS Consultant, offered a Sunday workshop on Geographic Information Systems for Geoscience Teachers. A four (4) hour hands-on workshop introduced various GIS concepts and appropriate classroom applications including 3D visualization.

Three field trips were offered on Sunday. Jeff Tolhurst, Ph.D., led a trip to the Blue Mountain Minerals Carbonate Mine, an active open pit mine in Columbia. Approximately 80 trucks leave the mine daily, supplying the region with crushed marble, used in such things as the manufacture of roofing materials, glass, and chicken feed.

Garry Hayes led an exploration of several wild caves in the Sierra Nevada foothills. This trip required a stiff hike and some rock scrambles, and squeezing through a few tight places. The nine participants crawled and maneuvered through some complex passageways and learned about the rich underground resource that exists in the Sierra foothills (some caves in the Sierra are more than 20 miles long, and more are discovered every year).

The third trip, led by Ross Grunwald, Ph.D., was a tour of the Harvard pit in Jamestown, a gold mine that operated in the late 1980's and early 1990's. A 42 pound piece of gold was extracted from this site and it now resides in Murphy's at the Ironstone Vineyard. The geology of the pit and methods of extraction and processing of gold were covered.

Many thanks are due to Jeff Tolhurst and the volunteers who ably conducted the conference.

Future Conferences:

Spring 2007 – Palm Desert, sponsored by Fullerton College, College of the Desert, and CSU San Bernardino

Fall 2007 – Open, proposed at Lava Beds National Monument

Spring 2008 – Sponsored by Palomar College

Additional Conference Activities:

The Far Western Section provided \$750.00 scholarships to three deserving geoscience students:

Christina Stout

Cal State Sacramento – Summer field camp at Southern Utah

Christina has worked with Diane Carlson and Lisa Hammersley at CSU Sacramento, doing some volunteer TA work on both a 10-day field trip to Red Rock Canyon and a mineralogy class last semester. She wants to become a volcanologist, and has been researching Castle Crags near Lassen National Park under the auspices of the USGS.

Robyn Howley

UNLV – graduate student at UNLV

Robyn, who has already been working in UNLV's grad program, says her true love is carbonates, and has worked with a researching firm at Yucca Mountain. Her Master's Thesis dealt with testing the relationship between sea-level changes, depositional sequence development, and the isotopic geochemical processes. She received the 2003 Outstanding Thesis Award by the UNLV College of Sciences.

Angelica "Zi Zi" Searles

Santa Barbara City College – transferring to Sonoma State

Zi Zi comes with tremendous credentials from SBCC. She has been heavily involved with the Geology Club, peer tutoring, and as a volunteer for the department. She was the winner last year of the Outstanding First Year Geology Student award at SBCC.

Sales of Guidebooks that are produced for each conference continue to provide the financial support for the three \$750.00 scholarships awarded by the section. A list of publications available for purchase is posted on the section web site at <http://nagt-fws.org>.

The Far West Section **Outstanding Earth Science Teacher** of the 2006 Year is Dave Meade of the New Jerusalem Charter School near Tracy, California. The selection committee took particular note of his hands-on field based pedagogical approach including his study of Salmon runs on the Tuolumne River and tide pools near Pescadero as well as his involvement with the curriculum development for the DELTA Program.

MEMBERSHIP: 282

SECTION FINANCES:

Cash on Hand (March 23/06)		\$2910.03
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INCOME:

Interest	6.14	
Publications	873.95	
Refund (Cuesta College Conf)	10540.76	
Memberships (282 members)	705.00	12125.85

EXPENSES:

Postage	62.47	
Cuesta College Conf (spr 06)	1674.00	
State Farm Insurance	500.00	
Scholarships – Robin Howley	750.00	
Christina Stout	750.00	
Angelica Searles	750.00	4486.47

Cash on Hand (Sept 6/06)		\$10549.41
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Certificate of Deposit (Matures 12/06)		\$25000.00
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d. Mid-continent (Ron Schott)

**e. New England Section
2005-2006 Annual Report (Tom Vaughn)**

Over the past year I have served as President of the NAGT, New England Section. My installation took place at our Yale University meeting in conjunction with NEIGC in October, 2005. That annual meeting was a success with a special NAGT field trip for our members and other interested conference participants.

There have been a number of activities that our section has traditionally carried out successfully. We were able to honor Outstanding Earth Science Teachers during the last two calendar years. Last year we honored Anita Honkonen from Lincoln Sudbury Regional High School, Sudbury, MA at our Yale University meeting. This year at the Saddleback Maine meeting we honored Margo Murphy from Georges Valley High School Thomaston, MA. These ceremonies are truly uplifting for all sectional members, for the recipients of the award, and their students. The search for nominees and the subsequent choice of an awardee gives us all a chance to celebrate the excellent teaching of earth science in our high schools.

A second activity of our section is the publication of our newsletter. Dick Little does a wonderful job in the production of this newsletter that keeps all of our members informed. He always adds a little humor to our missive to bring a smile and chuckle to the readers.

A third activity initiated by me was to try to build membership and to invite all sectional members to become involved in career recruitment. I requested that all members ask a non-member colleague to join our organization for the benefits listed at our national website and for the reasons noted in our newsletter, that is, the professional meetings that we sponsor and the networking that we provide. I also urged all members to reach out to the young generation of students and to tell them about the opportunities associated with a career in the earth sciences.

This theme tied in very nicely with last year's Earth Science Week that was focused on Careers in the Geosciences.

At our annual meeting this year (my health prevented me from attending) we were presented with a positive financial report from our long serving treasurer, Archie Berry. I would like to take this opportunity to let the national leadership of NAGT know about the service and support that Archie has extended to our section for over 30 years. We are thankful for his dedicated service and wish him well in his retirement. Since the NEIGC will be held in Quebec next year, our section is exploring our options to sponsor our own meeting somewhere in New England next year. Our treasury can certainly support a modest expense incurred by our own conference. Back in 1996, we had a conference filled with outstanding speakers from MIT, Harvard, Boston University, and Boston College. Our goal would be to replicate that meeting again in New England depending upon anyone taking a leadership role in sponsoring such a meeting.

At the Saddleback Maine annual meeting our section installed our new President, Shelly Snyder, a high school teacher from Vermont. We look forward to a successful year under Shelly's leadership.

Please find attached to this annual report the minutes from our Maine business meeting and copies of the two President messages sent to our membership with goals of our section for the past year.

Respectfully submitted by Thomas Vaughn, New England Section President, 2005-6
October 5, 2006

1. Treasurer Report

Archie Berry submitted the following Treasurer's Report:

(summarized here by RDL)

Originals will be sent to President Tom and President-elect Shelly

2006 Treasurer's Report

Beginning Total = \$5642.72

Deposits = \$260 (from NAGT)

Interest = 0.67 checking account

9.90 savings account

Expenses

Richard Little (newsletter) \$ 42.55

Service charge \$5.50

Ending Balance (09/25/06) = \$5865.24

f. North Central (Sheila Roberts)

g. Pacific Northwest (Ralph Dawes)

A. 2006-2007 Section Officers

PRESIDENT

Ralph Dawes - Geology Department, Wenatchee Valley College, 1300 Fifth Street, Wenatchee, WA 98801

VICE PRESIDENT

Ron Metzger - Southwestern Oregon Community College, 1988 Newmark Avenue, Coos Bay, OR 97420-2912

SECRETARY/TREASURER

Robert Christman - Department of Geology, Western Washington University, Bellingham, WA 98225

NEWSLETTER EDITOR

Cassandra Strickland - Yakima Valley Community College, 500 W. Main St, Grandview, WA 98930

STATE/PROVINCE COUNCILORS

ALASKA - Cathy Connor - University of Alaska Southeast, Juneau, AK and Michael Collins - Geologist, Epoch Well Services, Anchorage, AK

IDAHO - Shawn Willsey - College of Southern Idaho

OREGON - Joe Graf, Southern Oregon University and Tom Lindsay, Portland State University

WASHINGTON - Joseph Hull - Seattle Central Community College and Jeff Tepper, University of Puget Sound

BRITISH COLUMBIA - Mary Lou Bevier, University of British Columbia and Brett Gilley, Douglas College, B.C.

OEST COORDINATOR

Davene Meehan - 423 Koontz Road, Oak Harbor, WA 98827-9654

PAST PRESIDENT

Andy Buddington - Spokane Community College Past President

B. Reports

a. Annual Business Meeting

The annual business meeting of the Pacific Northwest Section NAGT was held June 24 in Bellingham in conjunction with the annual section meeting. The election of the new slate of officers was finalized. The Pacific Northwest OEST award winner, announced by Ron Metzger, is Jodie Harnden of Sunridge Middle School, Pendleton, Oregon.

C. Annual Activities

The annual conference of the Pacific Northwest Section NAGT took place in Bellingham, Washington on June 22-25, 2006, with a day of presentations, the annual business meeting, and geology field trips to the San Juan Islands, western and core North Cascades, and coastal Bellingham area. The meeting was arranged using facilities of Western Washington University with the help and leadership of its geology department and Robert Christman acting as the meeting organizer and host. Twenty-six members registered and attended the conference. The field trips were led by Drs. Ned Brown, Liz Schermer, and Scott Babcock of Western Washington University.

Planned 2006-2007 Activities

Annual conference with presentations and field trips in Portland, Oregon, to be hosted by Portland State University, on June 19-22, 2007.

D. Pacific Northwest Section Treasurer's Report (Robert Christman)

As of Sept 30, 2006 the Pac. NW NAGT savings account with the Whatcom Education Union had a balance of \$ 5,181.27.

The Sept 30, 2005 balance was \$ 4,176.12 so the Section gain was \$ 1005.15. The income was from sales of guidebooks, unspent fees collected for the Bellingham Conference, and the \$320 NAGT rebate. Expenses were limited to the cost of the printing and mailing four newsletters which cost \$125 each.

- h. Southeastern (Douglas Haywick)
- i. Southwest (Merry Wilson)
- j. Texas (Kevin Urbanczyk)

E. Communications/Publications

a. Journal of Geosceince Education

i. JGE: Editor

2005-2006 Annual Report (Carl Drummond)

Summary of Volume 54

	Total Pages	No of Articles	Pages of Articles	No of Columns	Pages of Columns	Pages of Business	No of Ads	Pages of Ads
No 1	88	11	75	1	2	10	1	1
No 2	104	12	86	2	4	12	2	2
No 3	248	30	240	0	0	6	2	2
No 4	96	13	87	0	0	9	0	0
No 5	92	12	86	0	0	5	1	1
Total	628	78	574(91%)	3	6(1%)	42(7%)	6	6(1%)

Summary of Submissions

Year	Total Submitted	Rejected	Published	Accepted	In Progress	Acc Rt
2006	76	22	0	23	31	51%
2005	143	59	59	25		31%
2004	104	48	54	2		58%
2003	91	27	64			70%
2002	101	38	63			62%
2001	66	26	40			61%
2000	89	25	64			72%
Total	670	245	344	50	31	
Rate		36%	51%	7%	4%	

Year-to-date Submissions (September 1st)

Year	Papers
2006	74
2005	85
2004	104
2003	91
2002	101
2001	66
2000	89

b. NAGT News

2005-2006 Annual Report (Keith McKain)

I have sent eight issues since the 2005 GSA Meeting (see below). I ask that all members of the Executive Committee keep sending any news to me via Email and I will arrange it for the next issue.

I continue to have several questions. When should an issue be sent? We had discussed the idea of a “schedule” but most thought issues “as needed” would be better. I can easily adjust to either method now that I have an understanding of the new mechanism for sending the E-newsletter. My current thinking is to collect news and announce an issue about a week before it will be sent. This allows anyone to send any last minute items and gives the database people (currently SAM) time to get an updated list to me. Is this process satisfactory with the members of the Executive Committee? It seems to have worked fairly well for some issues but a delay in getting the database has caused me to use old lists for several “Special Editions”. This is not good since new members and corrections are not on the old list. How long will SAM continue as our membership database?

I am willing to continue as the E-news Editor and am available for this service to the organization at the whim of the Executive Committee. Any direction or suggestions will be welcomed. It is my hope that I will FINALLY be able to attend a meeting again and can present this report in person. I hope to retire from teaching in 2008. This will allow my attendance at meetings to improve.

NAGTNews – Vol. 4, No. 5 October 2005

1320 Emails – 1320 issues sent 6:27pm – October 8, 2005

21 Bounces sent to Bob Christman

NAGTNews - Special Edition for EASTERN and NEW ENGLAND Members

364 Emails – 364 issues sent

12 Bounces sent to Bob Christman

NAGTNews – Vol 4, No. 6 December 2005

1402 Emails – 1402 issues sent 7:37pm - December 13, 2005

29 Bounces sent to Bob Christman

NAGTNews - Vol. 5 - SPECIAL EDITION – January 2006 (NSTA Edition)

1369 Emails – 1369 issues sent 9:34pm – January 20, 2006

6 Bounces sent to Bob Christman (Old Database)

NAGTNews - Vol. 5 - SPECIAL EDITION – May 2006 (Summer Learning)

1363 Emails – 1363 issues sent 9:49am – May 6, 2006

20 Bounces sent to Bob Christman (Old Database)

NAGTNews - Vol. 5 - SPECIAL EDITION #2 – May 2006 (JGE Edition)

1343 Emails – 1343 issues sent 4:02pm – May 30, 2006

8 Bounces sent to Bob Christman (Old Database)

NAGTNews - Vol. 5 – Number 4 – June 2006

1302 Emails – 1302 issues sent 9:12pm – June 9, 2006

37 Bounces sent to Bob Christman (UPDATED Database)

NAGTNews – Vol 5 – Number 5 – September 2006

1326 Emails – 1326 issues sent 8:13pm - September 1, 2006

c. NAGT Website

2005-2006 Annual Report (Cathy Manduca, John McDaris)

Current Status:

- A NAGT taskforce completed its review of the site. The task force includes: Eric Riggs, Pam Gore, Janis Treworgy, Deb Hemler, Gary Hayes and Greg Wheeler.

As a result of this review we redid the section on Sections; changed language on the front and membership pages, added information about past awardees, and created a standard format for awards pages.

There are still a few missing pieces

- o There was much discussion of sponsorship by the officers but the current text about sponsorship on the website is from 2005.
 - o Distinguished speakers could have much stronger pages
 - o We are missing text on field trips and section meetings
 - o There is no info about the Environmental Text project (If this is dead that is fine)
- We have completed the template for contributions of field trip information to the Teaching in the Field section of the website and have seven initial contributions including one section field trip. We now need to build a collection of 35 contributions that we can then use to 1) develop review criteria and 2) recruit contributions more broadly.

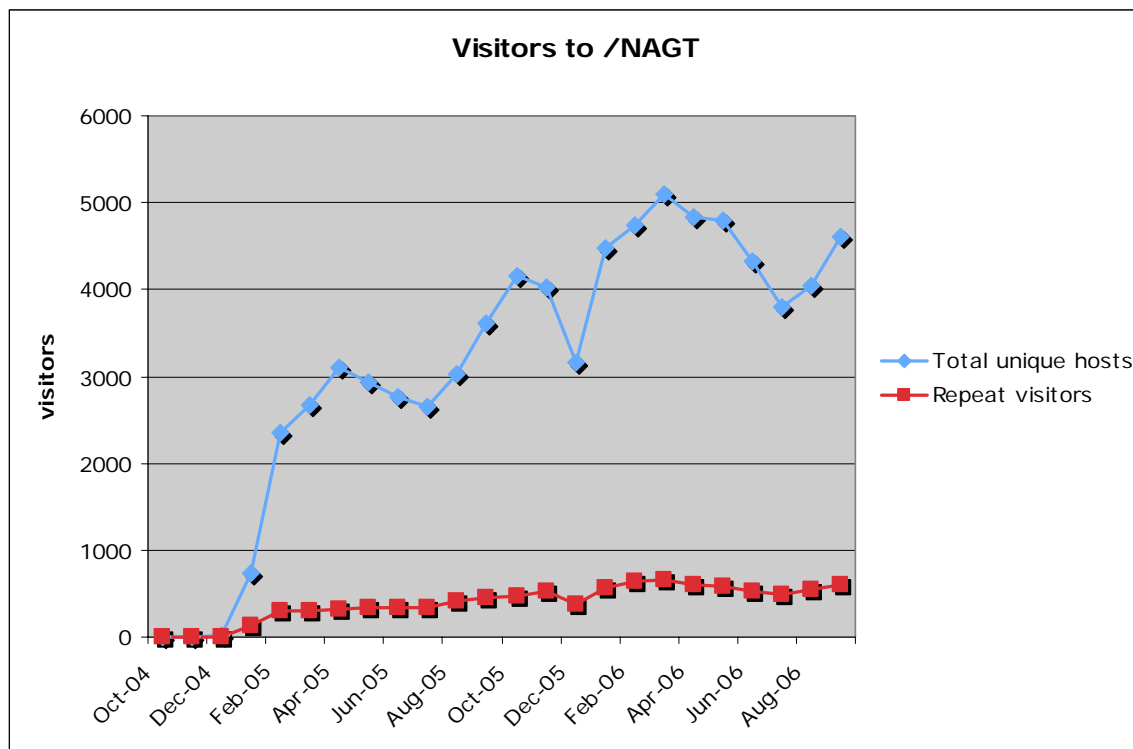
Recruiting efforts to date have included contacting section leaders, contributors to the JGE special issue on teaching in the field, contributors to the NAGT/Cutting Edge Community Illustrated Discussion on Teaching in the Field, and nine individuals identified as having recently offered field trips for different audiences. The taskforce was also engaged to find volunteers through the sections.

- Sean and I reviewed and tested the membership pages developed by AIP. We are ready to make the links whenever we are instructed.
- JGE papers are now handled with the following policy. At the time of publication, the PDF files are sent to Carleton and the index page with the abstracts is created and made live. At the same time the PDF files are uploaded to the server. If a paper is cited within a Cutting Edge, Starting Point, or other NAGT sponsored project, the full text is made available. After 1 year, the full text of all articles is made available. AGI uses the unique urls in the geo-ref returns on our articles.
- We will collect activities for the website resulting from an AGU session on Hands-on, Inquiry-Based Classroom and Laboratory Assignments: Bringing Research in Earth-Surface Processes and Hydrology to K-12 and Undergraduate Students organized by Karen Campbell and sponsored by NAGT.
- John created a new section on position statements at Ian's request.

Website use:

In September 2006, the site received approximately 6600 visits from 3600 unique visitors. Of these visits, approximately 1200 visitors saw 3 or more pages on the site, and approximately 600 visitors returned to the site within the month. (For comparison, in August 2005 the site received 4500 visits from 3000 unique visitors, with 900 visiting 3 or more pages and 400 returning to the site within the month.)

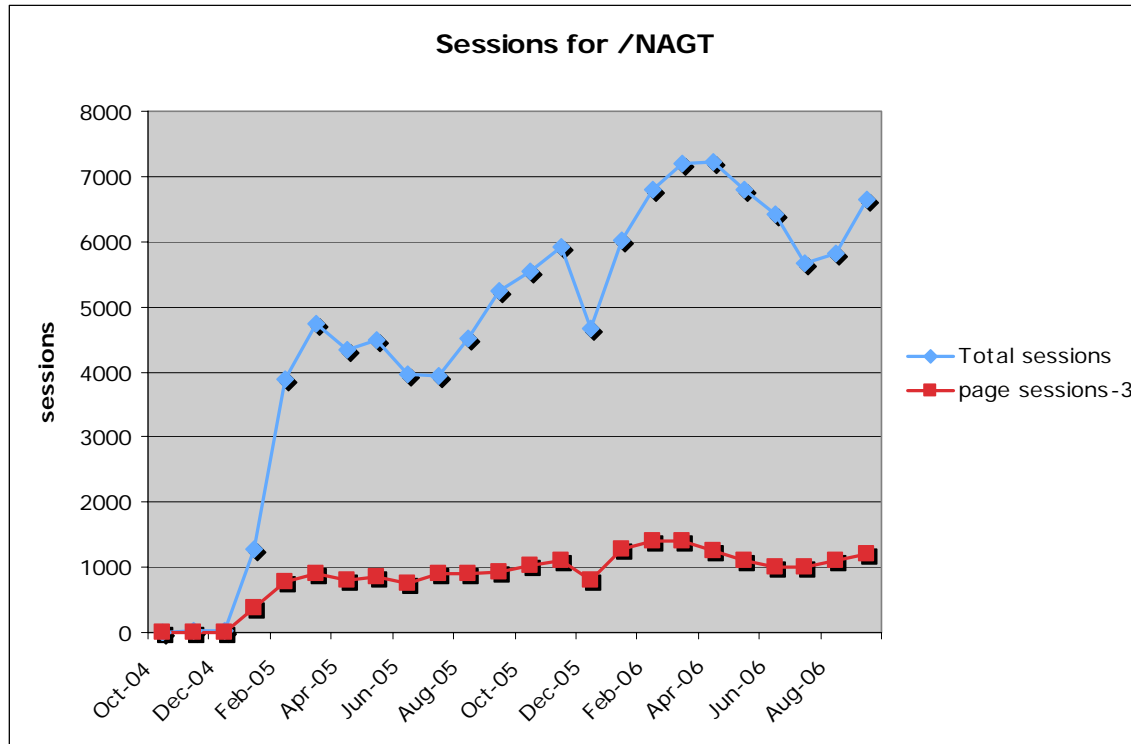
The most popular part of the site is JGE which received approximately 2900 visitors (versus 2000 in August 2005), followed by the NAGT Programs page which received approximately 1200 visitors (versus 600 in August 2005) and replaced the NAGT home page (with 195 visitors in September 2006 versus 900 in August 2005) as the second most visited page.



Next steps:

- Consider how to build the Teaching in the Field collection or another collection that uses the NSF funded tools to develop collections of resources that share NAGT expertise in geoscience education both within the society and beyond.
- We had decided to have paid job postings and other advertisements of relevance to the members. I don't know what has happened to this.
- Email discussion last spring suggested that we should consider the role that the website will play in complementing JGE. We established a mechanism for teaching materials from NAGT sponsored sessions to be contributed to the website. Do we want Carl to refer authors to a website activity submission form if they are either submitting articles about activities that are not suitable for the journal or submitting articles that contain activities that could also appear in an activity collection? Do we want to initiate a collaboration with NESTA to create a collection of teaching activities of interest to our K-12 members? Do we want to encourage contributions from more NAGT sponsored session on different kinds of teaching?
- JGE is now regularly updated with on-line versions of the full text articles. We provide AGI with unique urls and they list these in the geo-ref returns on our articles. However, the JGE articles are not easily searched from the JGE site. To maximize our investment, we could take a next step in this area either by cataloging the articles and creating an on-site browse, installing a free text search across the articles or both. Cataloging would be the stronger answer but would take some staff time to do and to maintain.

- As JGE is the most popular part of the site, we might want to consider more aggressive ways of moving users from JGE out to the sections of the site about membership and programs. For example, we could look for papers in JGE by speakers and put links from these to the speaker series. We could link from the field papers to the field trip collection etc.
- We aren't getting regular updates on award winners, new officers, news, etc. We need to make a regular pathway for this information to John.



F. Awards

a. Jim Shea Award (Carl Drummond)

Simon Winchester

b. Neil Miner Award (Geoffrey Feiss)

William Romey

c. Dorothy Stout Award (Bob Christman)

Ijaz Akhtar

d. OEST Committee:

2005-2006 Annual Report (John Wagner)

The OEST Committee continues to move slowly towards the goal of having every section present at least one OEST award. In general, those sections with active OEST coordinators continue to produce winners, but sections with weak or nonexistent leadership structures generate nominations only rarely. Although we currently have announced seven section winners and fifteen state winners for 2006 - up from five section winners and eleven state winners last year - this total sounds better than it really is because in most cases, only one nomination was received. The teachers who won these awards are highly qualified (we do exercise some degree of quality control – we won't just give the OEST award to any warm body, there has to be some

documentation of excellence) but to call such an OEST search a “competition” is highly misleading. OEST Section Representatives report unanimously that it is getting harder and harder to coax nominations from anyone. Maybe everyone is just too busy, but if OEST is that much on the back burner of everyone’s “to do” list, it may be time to reconsider how important the continuance of this program is to NAGT.

NAGT spends a fair amount of money on plaques honoring our OEST sectional and state winners. We do get publicity when these plaques are presented at state science teacher’s conferences (as is common in NC, SC, GA, TN just to name a few). But is the benefit worth the expense and effort? That is a question only the Executive Board can answer.

As OEST Committee Chair, I don’t mind coordinating the paperwork and communicating with section representatives. But I don’t have the time or inclination to go recruiting OEST nominees in Michigan, Missouri, or California (or any of the 46 other states). I’m involved enough trying to get nominees for the SC award. I also don’t have the time or inclination to recruit OEST Section Coordinators. This is clearly a section responsibility and Section officers must appoint people who are willing to do some legwork if the OEST program is to be successful in their section. We still have section coordinators that are not fulfilling their responsibilities.

I have mentioned this before, but if every member of the NAGT Executive Committee would nominate just one teacher from their state (surely if you don’t know a good science teacher, your neighbor or colleague or niece or secretary certainly will) we could almost double the total number of OEST nominees. The OEST award doesn’t have to go to the VERY BEST earth science teacher in your state or section, just a good teacher, ANY good teacher will do. Please take the time to make sure someone from your section gets nominated.

The following organizations continue to support the OEST program by providing cash, journal subscriptions, or free instructional materials to our state and sectional winners: GSA, NESTA, AGI, USGS, AIPG. A list of this year’s OEST winners appears below. A current list of OEST Sectional Coordinators is printed on a separate page.

SECTION WINNERS

Eastern = Walter “Len” Sharp
Southeastern = Bryan P. Byrne
Far West = David Meade
Texas = Christopher D. Marshall
Central = Aaron Spurr
Pacific Northwest = Jodie Harnden
New England = Marguerite (Margo) Murphy

STATE WINNERS

Alabama = Tim Ashley
Louisiana = Janell Alvarez
North Carolina = Carrie A. Jones

OEST 2006 Committee – NAGT

CENTRAL

Sallie Greenberg
Illinois State Geological
Survey

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greenberg@isgs.uiuc.edu

EASTERN

Dr. Deb Hemler
Science Education Coordinator
Fairmont State College

STATE WINNERS continues:

South Carolina = Jennise Knight
Maryland = Christa Bowser
New Jersey = Walter Patelunas
New York = Walter “Len” Sharp
Pennsylvania = Jason Petula
Virginia = James F. Smith
West Virginia = Edwin Berry
Minnesota = Kirk Enzenaver
Peter M. Pitman (Hon. Men)
Iowa = Aaron Spurr
Georgia = William Waggener
Maine = Marguerite Murphy
Tennessee = Bryan P. Byrne

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TEXAS

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1st Member-at-large – Vacant

2nd Member-at-large – Vacant

G. Special Programs

a. On The Cutting Edge: On the Cutting Edge: Professional Development for Current and Future Geoscience Faculty,

<http://serc.carleton.edu/NAGTWorkshops/index.html>

2005-2006 Annual Report (Heather Macdonald, Cathryn Manduca, David Mogk, and Barbara Tewksbury)

The overall goal of the *Cutting Edge* project is to improve the quality of geoscience education for undergraduate students through the dissemination of exemplary practices and materials to current and future faculty through an integrated, synergistic set of workshops and a variety of web resources. We aim to bring advances in pedagogy and geoscience research to the broader community of those who teach geoscience to undergraduates.

We are grateful to NAGT for the advertising and publicity that NAGT provides (including ads in the *Journal of Geoscience Education*) and for its co-sponsorship of sessions at professional meetings. In addition, the opportunity to include *JGE* articles on the *Cutting Edge* website provides high-quality material to the website and increases the visibility of *JGE*. Both NAGT and Cutting Edge are contributors to the Geoscience Education Social at GSA. We encourage NAGT members to suggest workshop topics for the 2007/2008 workshop series.

We are pleased to report that our proposal, “On the Cutting Edge, Building a Culture in which the Cycle of Educational Innovation Can Thrive,” was funded by the NSF Division of Undergraduate Education (Course, Curriculum, and Laboratory Improvement Program). The proposal aimed to continue and extend the *Cutting Edge* program for three more years, initiating a more structured program of leadership development that would enable us to offer more follow-on events (e.g., at regional GSA or NAGT meetings), adding a seventh workshop to the annual six workshop series, changing the funding model of some (not all) of the workshops so that some of the food and lodging costs would be covered by participants, and, in the program as a whole, to work on changing the culture of geoscience education. Our budget was reduced with the consequences that the number of workshops each year will be decreased, the structure of some workshops will be changed (e.g., Course Design will be offered in a combination of on-line events with a one-day workshop at professional meetings), and the leadership program is modified somewhat. The 2007 program will be a transition between the two programs. This coming year, we will charge participants \$150 towards food and lodging costs for the Early Career and face-to-face Course Design workshops; the cost to participants will increase in 2008 for these workshops.

2006 - 2007 Workshops (more details are given on brochure)

- Motivations and Attitudes: The Role of the Affective Domain in Geoscience Learning
- Teaching about the Early Earth: Evolution of Tectonics, Life, and the Early Atmosphere

- Early Career Faculty Workshop: Teaching, Research, and Managing Your Career
- Designing Effective and Innovative Courses in the Geosciences
- Preparing for an Academic Career in the Geosciences
- Teaching Geophysics in the 21st Century

2006-2007 Related Activities include sessions at both the 2006 GSA and AGU meetings.

WEB RESOURCES

The thematic collections typically link fundamental scientific research, pedagogical approaches, examples and activities, data and tools, images, and supporting services. We continue to use a range of approaches to providing resources derived from workshops to a broader audience via the web-site. We have added new collections associated with workshops in the 2005-2006 workshop series, and have added considerable material to the web resources for career management. The website front page shows the range of topical resources:

Managing Your Career

- Preparing for an Academic Career
- Early Career Faculty

Enhancing Your Teaching

- Assessment of Learning
- Course Design
- Teaching in the Field
- Using Data
- Visualizations
- Web Design

Geoscience Topics and Themes

- Biocomplexity
- Climate Change
- Discoveries from Mars
- Geology and Human Health
- Geochemistry
- Hydrogeology
- Mineralogy
- Ocean Systems
- Petrology
- Public Policy
- Rates and Time
- Sedimentary Geology

Structural Geology

b. NAGT Distinguished Speaker Series

2005-2006 Annual Report (Karen Havholm)

The NAGT/JOI Speaker Series is jointly sponsored by NAGT and the Joint Institution of Oceanography, Inc. (JOI). 45 requests for speakers were made and authorized. Of these 24 visits have actually been made. The total cost of the program for the fiscal year 2005-2006 has been \$18,626.94. JOI will contribute \$4,991.30 to support visits by JOI-sponsored speakers.

Susan Garbini is managing logistics of the program this year.

Logistics are handled as follows for each speaker visit (see attachments):

1. Introductory e-mail sent to connect speaker and host.
2. E-mail to speaker focusing on speaker issues, with attachments.
PowerPoint template for title slide and slide with inviting audience to join NAGT
Excel template for expense report
3. E-mail to host focusing on host institution issues, with attachments
PowerPoint template for talk announcement including invitation to join NAGT
Evaluation form for host and attendees at talk
4. Address of host institution sent to Bob Christman so that he can ship old JGE issues and the membership brochure (with corrected dues) to host institutions.

Michelle Hall has agreed to lead the effort to evaluate the effectiveness of the program. Planning for this is just beginning.

There is a roster of 15 speakers, including three from JOI.

NAGT Speakers History since Resurrection (Bold are new speakers)

	02-03 (spring)	03-04	04-05	05-06	06-07
1	Ed Geary	Ed Geary	Ed Geary	Ed Geary	Patricia Kelly
2	Michelle Hall	Michelle Hall	Michelle Hall	Michelle Hall	Tracy Gregg
3	Karen Havholm	Karen Havholm	Karen Havholm		Eric Grosfils
4	Jill Singer	Jill Singer	Jill Singer	Jill Singer	Bruce Hebert
5	Marilyn Suiter	Marilyn Suiter	Marilyn Suiter	Marilyn Suiter	
6	Sharon Locke	Sharon Locke	Sharon Locke	Sharon Locke	
7			Paul Morin	Paul Morin	Paul Morin
8			Eric Riggs	Eric Riggs	Eric Riggs
9			Mike Taber	Mike Taber	
10			Carol O'Donnell	Carol O'Donnell	Carol O'Donnell
11				Frank Hall	Frank Hall
12				Jackie	Jackie

				Huntoon	Huntoon
13				Julie Libarkin	Julie Libarkin
14				Ellen Metzger	Ellen Metzger
15				David McConnell and David Speer	David McConnell and David Speer

JOI Speakers

1				Christine Ravello	Christine Ravello
2				Marta Torres	Marta Torres
3				Tanya Atwater	Tanya Atwater

	6	6	10	14 + 3	12 + 3
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Speaker selection and policy decisions are handled by the committee.

DS Committee Member History since Resurrection

	03-04	04-05	05-06
President	Cathy Manduca	Geoff Feiss	Scott Linneman
1 st VP	Geoff Feiss	Scott Linneman	Karen Havholm
2 nd VP	Scott Linneman	Karen Havholm	Eric Riggs
Editor	Carl Drummond	Carl Drummond	Carl Drummond
At-large	Steve Semken (02-04)	Steve Semken (04-07)	Steve Semken (04-07)
At-large	Steve Reynolds (02-05)	Steve Reynolds (02-05)	Dexter Perkins (05-08)
At-large	Karen Havholm (02-03)	Need someone to replace Havholm for the 03-06 term	Michelle Hall (03-06)

	06-07	07-08	08-09
President	Karen Havholm		
1 st VP	Eric Riggs		
2 nd VP	David Steer		
Editor	Carl Drummond		
At-large	Steve Semken (04-07)		
At-large	Dexter Perkins (05-08)		
At-large	Michelle Hall (06-09)		

**c. NAGT/USGS-Cooperative Geosciences Internship Program
2005-2006 Annual Report (Penelope Morton, Executive Secretary)**

The Director's office of the USGS has continued to cost-share one-half of the support for twenty interns for up to twelve weeks for the summer of 2006. This was done with the support of Robert Ridky and Pat Leahy. The USGS also continued to use Environmental Careers Organization (ECO) to administer the hiring and placing of these interns. ECO reduced their normal mark-up and added these interns to their existing contract with the USGS. This proved to be highly successful, because we placed 20 interns with the help of Jaina D'Ambra and Paul Calzada of ECO.

We canvassed 141 field camps and/or schools and we had 69 nominations from 38 different field camps (Table 1). Of those 69 nominations, 46 were men and 23 women. Letters were mailed to all students nominated (copy of nominee letter attached) and Jaina D'Ambra of ECO also contacted them. Of the 69 nominations, 66 students actually applied and later 21 more withdrew during the process for an attrition of 24 students (almost 35%). This is much better than last year. Of the remaining 45 students, 20 were placed. Twelve men and 8 women have accepted internships and their localities are listing in Table 2. A copy of the nomination letter is attached.

Table 1. Historical Data for NAGT/USGS Cooperative Internship Program

Year	1966-92	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
# of Schools/Camps canvassed	151	193	136	73	111	101	110	100	105	112	112	112	116	116
# Directors who nominated a student			60	37	49	52	48	33	31	44	32	48	39	39
# of Nominees	3405	150	177	77	139	104	115	73	76	106	87	123	60	60
# Nominees that applied										77	63	90	46	46
# Offers	1554	101	117	37	94	70	36	15	32	38	13	8	16	16
# who withdrew during process													14	14
ratio of offers to nominees	0.46	0.67	0.66	0.48	0.68	0.67	0.31	0.21	0.42	0.36	0.15	0.07	0.27	0.27
ratio of offers to applicants										0.49	0.21	0.09	0.35	0.35
Goal	1235	87	83	37	74	55	25	25	25	25	30	30	20	20
	av 46/yr													

**NAGT/USGS-Cooperative
Geosciences Internship Program
(continued)**

**2005-2006 Annual Report; Bob Ridky, USGS, National Education Coordinator
Office of the Director**

This year marks the 40th anniversary of the NAGT/USGS Cooperative Field Training Program. Below, please find the link to an information piece that I thought you might enjoy reading. It was primarily developed for last week's Forum on the Need for a National Center For Geosciences in the Field, that both Eric Riggs and I attended at the Indiana Field Station in the Tobacco Root Mts. of Montana. However, we're finding that there is much broader interest in this program (both from within the USGS and without) and consequently we have placed it on our USGS Education Web Site. If you're interested in visiting and pulling it up from this site, it can be found by going to: www.USGS.gov, then clicking on Education (from the main opening banner) and then under What's New, What's Happening; click on "USGS Celebrates 40 yrs of Working With Students in the NAGT/USGS Cooperative Field Summer Training Program." If you want to go directly to this piece, you can find it at:

http://education.usgs.gov/common/resources/NAGT_USGS_coop_program.pdf

It's also my understanding that our Office of Communications is planning on developing a piece on this Field Training Program on our opening page under Science Topics - at least a short, abbreviated highlight piece.

As can be seen in the individual student write-ups, the quality of these interns is, once again, exceptional. At a time when so much attention is being addressed to maintaining STEM national preeminence, this cooperative program stands as an exemplar of effective integration of education and research and of what can be accomplished when professional societies and federal agencies work for common purpose.

**d. NAGT Field Study Scholarship Program (Richard Yuretich, Yildirim Dilek):
Report of the Committee on Field Scholarships**

Members: Richard Yuretich, Pranoti Asher, Yildirim Dilek

2005-2006 Annual Report (Richard Yuretich)

This committee was charged by the Council to examine the current state of the field scholarship program and to determine whether the program was compatible with the present mission of NAGT. To this end, we prepared a survey (attached) that was distributed by mail to all schools with a field course as listed in the AGI Directory of Geosciences. In addition, AGI graciously agreed to send electronic versions of the survey to all the heads and chairs of Geoscience departments. We received a total of 63 responses. The most surprising result is that over 40% of the respondents were not aware that the program even existed! Part of this is attributable to the high participation rate in the survey of two-year colleges and those without a full geology program, but several such responses came from younger faculty in traditional departments who had recently taken over the field course. If it is of interest to the Council, we could break out these distinctions.

The responses to the question about why students haven't applied to the program revealed some interesting patterns. Most often cited was "lack of awareness of the program." By sending out this survey, we have temporarily fixed that problem as evidenced by the tripling of the number of applicants over prior years. However, a few respondents noted that their field courses are shorter than the four-week requirement we now have, and others complained that the applications were not available soon enough and that the deadline is too early. The respondents were almost unanimous in their support for the continuance of the program (as might be expected from field-course directors and department heads), and they also overwhelmingly supported the \$500 level of the award as a good incentive for students to attend a field course. It is clear from the responses and the subsequent surge in applications that we could easily expand this program with a good advertising campaign and perhaps some modification of the application process.

The real question is whether the NAGT mission is well-served by the field scholarship program. The \$8,000 subsidy from the NAGT operating budget contributes significantly to the annual "structural deficit" that the society carries each year. The field scholarships are clearly popular with geoscientists in higher education, which is the core community from which we draw our members. Many of the comments indicated that we should advertise more, and earlier, and we could certainly capitalize upon this interest by using it as the basis for a membership and fund-raising campaign.

Our recommendations are as follows:

1. Use the field scholarship program as the centerpiece of a campaign to attract new members to NAGT. Several respondents commented that the need for a NAGT member's signature stopped their students from applying, and they recommended removing this requirement. This makes no sense for the society, but we can use the requirement to get new members, especially if we advertise the program early and distribute information widely. The application could be modified to include directions on becoming a NAGT member, and have some option for "instant membership" with the new membership management system.
2. Use the interest in the field scholarships to increase fund-raising efforts for the endowment to support it. Many members may not be aware of the subsidy that the NAGT puts into the program, and if it is endangered, there may be a greater interest to support the effort in the future. Large contributions for appropriate corporate sponsors should not be ignored, and Chevron, ExxonMobil, bp and similar companies could be contacted about this.
3. Consider a slight change in the program to make a few high-profile awards that will draw attention to the program and NAGT. For example, we might consider one or two larger scholarships of \$1000 to the most outstanding students and honor them with certificates or their pictures in JGE. Perhaps they can be put on a fast-track for a USGS internship the next summer. Recognizing all the award winners in some fashion is also something that came out of our surveys, and may also help in promoting membership in NAGT.
4. In the short term (e.g, next year), make sure that applications are available and the program is advertised in November. The selection committee is just able to finish the tasks of reviewing applicants by April, so the deadline should remain at February 15. More time for students to prepare their applications would ease their stress.

2005-2006 Annual Report (Yildirim Dilek, Chair)

NAGT SUMMER SCHOLARSHIP COMMITTEE: 2006 ANNUAL REPORT

The NAGT Summer Scholarship Committee has consisted of three members, Pranoti M. Asher (Georgia Southern University), Yildirim Dilek (Miami University), and Laurel Goodell (Princeton University). The Committee received 115 complete applications by the February 17th deadline. This number was substantially higher than the number of applications we had received in previous years (about 40 to 70 on average). This sharp increase was likely due to the better advertisement of the NAGT scholarship program during this past year that was in turn a result of the survey conducted earlier by Richard F. Yuretich at the University of Massachusetts.

Of the 115 applications received, 56 were from female students. The NAGT Committee selected the top 18 applicants from this pool as the 2006 scholarship recipients. The seven of these recipients were women. The Committee Chair worked closely with the Association of Women Geoscientists (AWG) to pick two of these seven successful

women as the AWG Crawford Scholarship awardees. We could identify two scholarship recipients as minority students based on the information provided in their application material. The list of the 2006 NAGT and AWG scholarship recipients is attached to this report.

Some of this year's scholarship recipients planned to attend some of the well established and known field camp programs in the country, while some others opted to do more thematic summer studies (i.e. geophysics, hydrogeology) as recommended by their departmental curricula. We seem to get in recent years an increasing number of applications for these kinds of thematic field studies, substituting traditional field camp courses.

Recommendations:

1. NAGT should continue awarding these summer scholarships because they are very helpful not only financially but also professionally, providing the deserving students with opportunities to do applied geology and summer field camps. Most of the scholarship recipients are highly accomplished students, who likely make up the future generations of PhDs in earth sciences.
2. NAGT should advertise these scholarships more rigorously and more widely in order to attract more applications, as was done this past year.
3. The scholarship application forms and information should be updated on a regular basis and should become available on the NAGT web site by as early as November 15th. Most prospective applicants start sending inquiries about the scholarship program and about the forms by that time or earlier.
4. Scholarship applications and related processes should be all done electronically to save time and resources (paper, postage, etc.). This way, the applications can be transmitted to the Committee members efficiently and be archived more effectively. To do this, the application forms on the NAGT web site should be saved and posted in a Word format, and the application guidelines should be modified accordingly so that the students and their mentors can prepare and submit the necessary material without any problems.
5. NAGT should create a subcommittee to raise the necessary funds in support of the scholarship program. This is the only major program in the nation that provides scholarship for summer studies in earth sciences, and NAGT should continue the legacy of supporting this wonderful cause. Scholarship recipients are most appreciative of the NAGT support as they state in their letters and postcards to me following the completion of their summer work.

STUDENT NAME	M/F	AWRD	COLLEGE/UNIV. ATTENDING	MAJOR	GPA	FIELD COURSE PROGRAM
Aeiker, Dusty	F	AWG	Univ. of Maryland	Geology	3.881	Albion College Field Camp
Andrews, Jason	M	NAGT	New Mexico Tech.	Geochemistry	3.9	New Mexico Tech Field Course
Befus, Kevin	M	NAGT	Wheaton College	Geology	3.89	Wheaton College's Field Geology
Bell, Angie	F	NAGT	Edinboro Univ.	Geology	3.96	Lehigh Univ.
Deuerling, Kelly	F	NAGT	Univ. of Florida	Geology	3.96	GLY 4790 - Summer Field Camp
Fadiga, Troy	M	NAGT	The Univ. of Iowa	Geoscience	3.88	Summer Field Course 012:113
Glover, James	M	NAGT	Univ. of Tennessee	Geology	4	Black Hills Natural Science
Knierim, Katherine	F	NAGT	Bowling Green State Univ.	Env. Sci & Geology	4	BGSU's Summer Field Geology
Konfirst, Matthew	M	NAGT	Northern Illinois Univ.	Geology	4	NIU Geologic Field Techniques
Perez, Rachel	F	NAGT	Montclair State Univ.	Geology	4	Southern Illinois Univ.
Pham, Phung	F	AWG	Clemson Univ.	Geology	3.96	Univ. of Missouri
Quigley, Eric	M	NAGT	Univ. of Minnesota-Duluth	Geology	3.82	Field Camp
Richardson, Joshua	M	NAGT	Michigan Tech	Applied Geophysics	4	Michigan Tech
Sharman, Glenn	M	NAGT	Wheaton College	Geology	4	Wheaton College's Field Geology
Stein, Kevin	M	NAGT	Univ. of Puget Sound	Geology/Math	3.94	Univ. of New Mexico
Stephens, Abigail	F	NAGT	The Univ. of Tennessee	Geology	4	South Dakota Sch of Mines & Tech.
Tellers, John	M	NAGT	West Virginia Univ.	Geology	3.91	West Virginia Field Camp
Trzaskus, Andrew	M	NAGT	Illinois State Univ.	Geology	3.93	GEO 395 - Field Geology

e. AGI Environmental Geoscience Awareness Committee and NAGT-AGI Environmental Geology Textbook Project 2005-2006 Annual Report (Jill Whitman)

The Prentice Hall Environmental Geology textbook project is still moving forward. Travis Hudson (ageology@olypen.com) is the point person from AGI and Ann Heath (ann_heath@prenhall.com) is the project manager for Prentice Hall.

The current strategy is that Travis Hudson is writing the chapters (as you may remember, the science writer was not a success). They are then being carefully reviewed by a team of 4 faculty reviewers selected by Prentice Hall in collaboration with Travis and myself (2 are NAGT members - Mike May and Robin Hannigan). They are then being reviewed by the development editor at Prentice Hall.

Four chapters are nearing completion (Introduction, Earth Systems, Plate Tectonics, and Earth Materials) and will be sent out for market research soon. At this time the NAGT

Advisory Board will also review them. Some other chapters have been written by the previous science writer and are being adapted: Earthquakes, Volcanoes, Rivers and Floods, Unstable Land. More chapters are in various stages of preparation.

Leadership at AGI is in flux (Marcus Milling retired and Chris Keene is the acting director). It is time for NAGT and AGI to arrive at some agreement about the financial arrangement for this project – a contract such as exists for the lab manual?

It is clear to me that Prentice Hall (and AGI) are still very committed to the project and want to see it happen. However, it is obvious that the project is still far from having a final product. We (NAGT) will need to take a leadership role in reviewing and promoting the final product when completed.

The NAGT Advisory Board members:

Jill Whitman

Pacific Lutheran University

Scott Burns

Portland State University

Carl N. Drummond

Indiana University Purdue University

P. Geoffrey Feiss

College of William and Mary

Judi Kusnick

California State University, Sacramento

Robyn Hannigan

Arkansas State University

Michael T. May

Western Kentucky University

Jeffrey W. Niemitz

Dickinson College

Mary Poulton

The University of Arizona

Michael C. Roberts

Simon Fraser University

f. National Park Service. Geologist in the Park Program

2005-2006 Annual Report (Judy Geniac, National Park Service)

The NAGT partnered with the National Park Service to sponsor 2 of the 28 Geoscientists-in-the-Parks positions in 2006. The majority of the GIP positions were filled with upper undergraduate and graduate students. The NAGT positions helped ensure placement and "hands on" experience for 2 science teachers. The Servicewide GIP Program manager worked with Mark Depoy, the chief of Resource Management at Mammoth Cave National Park, to help place the two teachers. The NAGT GIPs worked on both resource management and public outreach projects. They became immersed in the wonder, science, and applicability of geology. They are taking their experiences back to the classroom and infusing what they have learned into curriculum for their classrooms. The NAGT-sponsored assistance was highlighted by local media. This was a pilot year for NAGT to use the NPS GIP program to help give teachers some hands-on experiences in the geosciences. The \$3000 in funds appear to be well spent. The endeavor was highly successful in terms of what the teachers learned, recognition of NAGT's partnership efforts, and benefits to one of our national parks. The NAGT is also partnering with the NPS to bring one of the NAGT-GIP teachers, Dianne Piper, to the NAGT annual meeting to give a presentation on both her experience and how she is incorporating what she learned into the classroom

g. Sponsored Programs

2005-2006 Annual Report (Kate Pound)

Report to NAGT on the session and parallel Teacher workshop at **AGU Fall meeting** San Francisco, December 5th-9th, 2006

ED 52A: "Hands-on, Inquiry-based Classroom and Lab Exercises – Bringing Geoscience Research to the Middle-, High-School and College Classroom"

Summary of Session and "Hands-on Gallery"

This was the first time that a session involving active 'demonstrations' of teaching materials in the poster area was offered at AGU. A total of 26 abstracts was accepted. Eight of these were presented orally and 17 were presented as posters. Attendance at the oral presentations (morning) was greater than 50 people. The presence of teachers in the audience, and their practical and penetrating questions provided for good discussion, which always had to be cut short in the interest of staying on schedule. The oral and poster presenters almost all brought their materials for the "Hands-on Gallery," held in conjunction with the poster session. Despite being held on the Friday afternoon at the end of the conference, the "Hands-on Gallery" was crowded and active even an hour after its supposed closure. We estimated that at any given time during the Hands-on Gallery there were a minimum of 60-70 people in the area.

Many passers-by stopped by to see what was happening, and became engaged in the hands-on materials and discussions. The teachers in the workshop tried out the hands-on materials, talked with the presenters, made connections, and generally discovered that researchers and undergraduate educators are approachable, friendly, committed human beings. Many undergraduate educators stopped by deliberately in order to see what others

were using in their classes and to get ideas that they could incorporate in their teaching, or in order to learn something about a topic they found themselves teaching but may not be really familiar with. The undergraduate educators seemed to be particularly interested in learning from the teachers; they wanted to learn more about what material the teachers were able to cover in their Middle and High-School classrooms. Most visitors appeared to end up sticking around and getting involved in extended discussions.

Evaluations from the parallel teacher workshop indicate that it was a success (see attached evaluations from 5 of the 7 participants). The location of the 'workshop space' in a separate building to the oral and poster presentations was problematic. We will be attempting to change this aspect of the workshop in Fall 2006. The difficulty we had with the teacher workshop was getting teachers to register and show up. Many teachers found the information on the AGU website confusing and were not sure how to register. Despite help from Bay Area Earth Science Educators (especially Ellen Metzger, who referred many of our 7 participants), we found it difficult to connect with teachers. We are hoping to do a better job on this aspect in Fall 2006.

How the NAGT Funding contributed:

The role of the NAGT funding was critical in allowing us to run the Teacher Workshop. Without the NAGT funding we would not have been able to run the Teacher Workshop. The teacher workshop required 'rental' of specific workshop space, audio-visual equipment (overhead projector), binders and CDs with workshop material, name badges, and some minimal food. The contribution and the role of the teachers in this session was very important; they provided a guaranteed audience for the hands-on Gallery, engaged with the Undergraduate Educators and provided constructive suggestions on many of the hands-on materials.

H. Minutes of Executive Committee and Council Meetings

a. 2005 Salt Lake City, UT (Executive and Council)

2005-2006 Annual Report (Greg Wheeler)

NAGT PLANNING MEETING

MINUTES

October 15, 2005, Salt Lake City

Called to order: 8:30 am

Present: Carl Drummond, Geoff Feiss, Karen Havholm, Gary Hayes, Scott Linneman, Ian MacGregor, Cathy Manduca, Eric Riggs, Greg Wheeler and Richard Yuretich.

Approve Mid-Year Meeting Minutes

Approved with no corrections.

Review of Critical Issues

POLICY ON POSITION PAPERS: Geoff Feiss presented a proposed procedure for approving NAGT position papers. The document, on page 8, of the annual report was amended as follows – 1b. Such a proposal may be made via any council member of NAGT. 2a. Should there be an objection, the drafting committee will be informed and may (1) wait until the next Executive Committee meeting for discussion and a vote or (2) proceed with the understanding there is an objection and the proposal may not achieve a positive vote at the next Executive Committee meeting. 5....may approve, modify, or reject by a 2/3 vote of those attending the Council or 2/3 electronic vote by all members of the Council unless a single member objects to the electronic vote. Passed in Council.

REVIEW OF SPONSORSHIP POLICY: Karen Havholm passed around a draft NAGT Sponsorship Policy. The policy was modified as follows --- first line, replace “actively” with “sponsors”. The opening paragraph statement should be checked for congruency with the Strategic Plan. Under “Criteria for Sponsorship” the first bullet should read “aligns with NAGT mission and Strategic Plan”. Omit second bullet. Third bullet should say “Engages or expands NAGT membership”. Under “Requirements of Sponsorship” the second bullet “which will be conveyed by the NAGT President in writing” should be added. Add two bullets. “All web sites must acknowledge and have and active link to the NAGT website.” Submission of a final report in time for the NAGT annual meeting is required.

Some questions remain. What is meant by sponsorship? What is endorsement?

The sponsorship form will be redesigned to be placed on the NAGT website. Passed in Council.

Karen Havholm told Kate Powell at the AGU conference that she would be supported in her project. **Scott Linneman** will notify Kate that she has up to \$300 for her project.

REVIEW OF NAGT EVOLUTION STATEMENT: Michael Gibson was asked to develop this policy prior to the development of the policy on position papers.

Michael wrote a long and a short version of the position paper. He emphasized the teaching aspects in the discussion of points. The long statement was agreed upon as the appropriate document. The first line was changed – most was deleted as was modern and the sentence ended with “and must be a corner stone in education.”

His draft will be reviewed by a three person committee which will revise his position paper with input from the Association membership. The Committee is **Scott Lineman**, **Gary Hayes**, and a third member to be named.

Adjourned 10:05

NAGT COUNCIL MEETING (Salt Lake City, UT)
MINUTES
October 15, 2005

Called to order: 10:15 AM

Present: Pranoti Asher, Cinzia Cervato, Carl Drummond, Geoff Feiss, Michael Gibson, Karen Havholm, Gary Hayes, Scott Linneman, Ian MacGregor, Cathy Manduca, Eric Riggs, Bruce Reuger, Ron Schott, Greg Wheeler and Richard Yuretich. **After lunch the group was joined by**, Kaatje Kraft, Frank Granshaw, and John Wagner

Approve Minutes from Last Year

Approved with no corrections

Introductions: Geoff Feiss reviewed the morning planning meeting and officers and guests were introduced. The Council Meeting Agenda was reviewed. Brochures for the Cutting Edge project were distributed.

Discussion and Vote

POLICY ON POSITION PAPERS: Passed

SPONSORSHIP POLICY: Passed

REVIEW OF NAGT EVOLUTION STATEMENT: Scott suggested changing the title to "Statement on Teaching of Evolution" The Council voted 10-3 to send a post card to all members asking them to look at the Evolution Policy paper on the NAGT website. Members would have four weeks to respond to **Ian**. The council then voted unanimously to take the policy statement and comments back to the Council for a vote. This could be done electronically as provided for in the policy on position papers.

JGE CONTROVERSIAL ARTICLE: Geoff Feiss referred Council members to his July 28th letter to members about a controversial article in JGE. The article, by Ross, was titled "Who Believes What? Clearing up Confusion over Intelligent Design and Young-Earth Creationism". Some members worried that the author's affiliation with Intelligent

Design may mean the article would be used in some way to show legitimacy for the idea. There was no discussion.

ELECTRONIC MEMBERSHIP: Ian reviewed the 5 options he has researched to establish an electronic membership list. The Council had questions about membership access, membership renewal, address changes, membership questions, and management. Ian estimated that it would cost about \$14,000 for NAGT to provide all the services ourselves. The Council voted unanimously to select one of the two professional societies

to investigate further. The Mineral Society of America and American Institute of Physics had similar annual fees, but AIP had a \$20,000 setup fee. **Ian** will first negotiate with AIP. If AIP does not meet our needs, **Ian** will work with MSA. **Ian, Cathy, Karen,** and **Scott** will decide if we should go forward with AIP or MSA.

REVIEW OF AGI ISSUES: Ian reported that we get 40% of the profit on the physical geology lab manual. **Ian** will sign a formal agreement on profit sharing.

We have paid annual dues to AGI but will not pay to be in their catalog.

We will give AGI addresses for Geospectrum.

Communication and Publications:

JGE EDITORS REPORT: Carl's report on p. 59 of the program was reviewed. He noted that there were 118 new submissions. This is a record and is partly a result of the special issue on teaching in the field. The rejection rate is 45% for non special issues.

NAGT WEBSITE: The website is maintained by SERC. The website has been reorganized and contains all JGE articles back to 2001. NAGT membership forms are online. There were 4500 visits in August. **Cathy** is working on an NSF grant that will allow individual members to edit some webpages. **Gary** and **Kaatje** will work with **Cathy** to get material on the site for the year of the field.

NAGT NEWSLETTER: Keith McKain sent his report and made his annual statement asking if anyone wanted to takeover the national NAGT newsletter. All agreed that he was doing a fine job.

Section Reports

CENTRAL SECTION: Cinzia Cervato reports that the Central Section is thriving.

EASTERN: No oral report.

FAR WESTERN SECTION: Gary Hayes reported that the most recent meeting was last weekend at Sequoia National Park. The numbers have not been tabulated yet, but all went well. The FWS has two conferences per year. Four of the next five conferences have been scheduled. The last conference in Zzyzx had 73 participants.

MIDCONTINENT: No oral report.

NEW ENGLAND: Bruce Reuger reported that the New England Section is going well. They used to meet with the NE section of GSA but now meet with the New England Intercollegiate Geological Society. The next conference is September 30th.

NORTH CENTRAL: Greg Wheeler, liaison to North Central, reported that Sheila Roberts is progressing on the field conference to be held in Montana in June of 2006. She has issued the first newsletter in many years.

NORTHWEST: Frank Granshaw reported that the NW Section was doing well. The section has been concerned that field trips that meet the needs of all levels of geologic knowledge may be difficult to plan.

SOUTHEASTERN: No oral report

SOUTHWESTERN: Kaatje Kraft said that the SW Section did not have a conference last year, but will have one this year at Kartchner Caverns on Nov. 5th.

TEXAS: No oral report.

NAGT Programs Reports

DISTINGUISHED SPEAKERS: The Distinguished Speakers report is on page 20 and 21 of the meeting program. The program has 9 speakers. Reviews tend to be very positive, but no systematic evaluation of the program has been done to date.

OEST: John Wagner heads this program. There are still far fewer nominations than would be expected. GSA will help advertise the program. What else can we do to find and reward outstanding teachers? We could encourage NESTA to help. It was suggested that we need more of a presence at the State Teachers meetings. Liaisons should encourage nominations from their sections. The OEST Committee will decide how to foster more nominations.

BOB HIGGINS: The District Chief for the National Park Service made a presentation about their geoscientist-in-the-park program. NPS would like to partner with us. NPS is a decentralized organization, with each park making many of their own decisions on hiring. We could work with local parks to provide user friendly geologists. What can NPS supply? Bob Higgins is starting to work on posting field trips on the NPS website. The NPS website provides resources for teachers and could be linked to the NAGT website. Do we want to sponsor a candidate for the geoscientist program?

USGS INTERNSHIPS: Penny Morton's Report is on pages 66 and 67 of the meetings program. Field camp directors nominated 70 individuals, but only 50 actually applied for the positions. Ultimately, 19 interns were placed in the summer of 2005 from 31 available applicants.

FIELD SCHOLARSHIP COMMITTEE: **Pranoti Asher** and **Richard Yuretich** will exam the program viability. **Pranoti** will ask if AWG still wants to sponsor a field scholarship.

CUTTING EDGE: New program brochures are available. The course design workshop is on-line. The funding for Cutting Edge ends next year. Starting Point is on-line.

Budget

A number of questions arose from the budget presented on pages 12-14 and beginning on page 23 of the meeting program. Ultimately, it was decided that a sub-group consisting of **Greg, Ian, Geoff, Scott** and **Karen** would meet in February 2006 to make suggestions and corrections leading to a budget presentation and approval at the mid-year meeting of the Executive Committee.

Points to discuss include:

How is the \$3000 under "priority action/implementation" to be spent?

Is there \$10,000 in the JGE budget to cover the cost of the special edition with AGU that was approved at the mid-year meeting?

How much should be included for the new electronic membership system being investigated to begin in 2006?

Is there \$4000 for the meeting on the website management at Carlton? \$300 was approved for the sponsorship of Kate Powell project and should be on the budget.

Increase the budget for clerical support for the JGE editor's office to reflect increase in wages and a shift that requires clerical to pay for past deductions.

Currently, the endowments are not in our Oakmont Fund. Should they be deposited there?

Professional Society and Organization Interactions:

AGU: The joint issue needs to move forward. **Eric** is in charge for NAGT. We will have a booth at the AGU meeting.

AGI: There are two meetings per year. Who will represent us?

NESTA/NSTA: NAGT did not have a presence at the last sharathon at GSA.

Awards

Neil Miner – Craig Ashbrook from SW Virginia Community College

James Shea – Dee Trent, Citrus College

Dorothy Stout Awards?

Adjourned: 5 PM

Mid-Year Executive Committee Meeting, Cambria, CA

2005-2006 Annual Report (Greg Wheeler)

MINUTES

March 26-27, 2006

Called to order: 8:30 am

Present: Geoff Feiss, Scott Linneman, Ian MacGregor, Eric Riggs, Michelle Hall, Karen Havholm, Linda Selvig, Jeff Tolhurst, and Greg Wheeler

Guest: Gene Pearson

Opportunities

AGI announced that Lee Suttner will host a conference titled, "Does need exist for a National Center for Teaching Geoscience in the Field." **Eric Riggs** will go as the NAGT representative. Greg Wheeler attended a conference hosted by AGI in Boulder Colorado on the importance of field in the geoscience curriculum. The 2001 conference produced a white paper that should be available from AGI.

AGI Government Advisory Committee – **Geoff Feiss** will replace Phil Astwood as our representative.

AGI Member Soc. Council—**Karen Havholm** will be our representative.

AGI Geoscience Leadership Forum – **Michelle Hall** and **Eric Riggs** will be our representatives.

Membership Report

Bob Christman's report indicated that library subscriptions are down.

Budget Issues

Ian reviewed the six month budget.

The long-term budget assumes reinvestment of 4.5%.

The ExComm discussed the idea of paying the costs of classroom substitutes for K-12 teachers who need to miss class for meetings of the ExComm. **Karen moved and Jeff seconded a motion to pay for the substitutes. Motion passed.**

Bookkeeper/CPA-- Ian has contacted both a bookkeeper and a CPA. The CPA can review and sign off on the accounting or act as a resource. As a resource, the accountant would make sure accounting was done to appropriate standards but would not officially sign the budget report. **The bookkeeper will charge \$35/hour and the CPA will charge \$105/hour. The total estimated annual cost is \$5000. Jeff moved that we proceed with this plan and Eric seconded. Motion carried.**

American Institute of Physics (AIP) --- **Ian** has continued to work with AIP to refine the electronic membership program that they will administer. The current cost estimate for full service is \$24,071.80. For this fee they would handle the mailing and all normal member services. The ExComm emphasized that AIP would have to guarantee access and download capabilities on all NAGT data. **Ian** will check on this with AIP.

It was decided that we should not support a second fellow in the GSA Congressional Fellows Program.

The ExComm voted unanimously to move more funds from the NAGT checking account into our Oakmark mutual fund. The restricted endowments will also be moved into a separate Oakmark account.

Dues were discussed and some were changed by unanimous vote. The new dues will be charged on new and renewal memberships, beginning in September.

Regular domestic--\$45

Regular international--\$57

Retired domestic—did not discuss

Retired international--- did not discuss

Student domestic --\$20

Student international –did not discuss

K-12 teacher domestic --\$35

K-12 teacher international –did not discuss
Institutions/Library domestic --\$135
Institutions/Library international --\$174

NAGT sections will see an enhanced rebate of membership dues. The new allocation will be \$3.00 per member.

NAGT website—Cathy Manduca supplied a written report.

Mid-year Reports

Scott Linneman says GSA wants to develop an accreditation system for geology programs. Some university geology departments are already asking graduating students to take the ASBOG test. They use the results for program evaluation.

The Pacific Northwest section is doing well.

Jeff Tolhurst is the Far Western Section Liaison. He reports that the last field conference netted \$1900 profit. The next conference is in Columbia Calif. and planning is going well.

Michelle Hall replaces **Eric Riggs** as the liaison to the Southwest section and **Eric** will be the liaison to the Southeast.

Karen Havholm said she needs suggestions for the distinguished speakers list. There is a special need for speakers in cognitive science. **Ian** is talking to several potential speakers.

Ian has authorized 9 distinguished speaker engagements and three have occurred. Scott expressed concern that speakers may not be advertising NAGT. **Scott** will make and **Ian** will distribute a slide with the NAGT logo. **Ian** will send old JGE editions to speakers for distribution. **A speakers guide or checklist needs to be developed.**

Karen provided a handout on GSA workshop pricing. In response to a request from CUR (and because NAGT-sponsored workshops for college-level faculty would fall into the same category) she investigated what appeared to be a new pricing structure that made it too expensive for CUR to run its annual workshop on undergraduate research. In fact, GSA was just enforcing its policy as written, and data from GSA shows that they are underwriting all workshops by a significant amount. A GSA committee is examining the policy and developing a new pricing structure, which may solve the problem.

Karen reports that the Central Section of NAGT will meet in Akron for their next meeting.

Eric Riggs is working with AGU on a joint issue of JGE on broadening participation in the geosciences. The call for papers is out and the target date for publication is late 2007. He is also working on a field trip with NESTA for their conference in April. Eric has been working on the NAGT website with Cathy and is concentrating on the field trip section.

Geoff reported that the summer internships with the USGS are going very well. We have Bob Ridky to thank for much of the work at the USGS.

Scott Linneman presented the report from Richard Yuretich on the Field Course Scholarships. There were 141 requests and all were of good quality. The ExComm reviewed the four suggestions in Richard's report. Adequate funding is still a major issue. **Eric** will poll folks at the next AGI meeting on who might help fund the program. One of Richard's suggestions was **to put pictures of the scholarship winners on the NAGT website. This was approved.**

Project Sponsorship and Support

There was a discussion about how to get contributions to the teaching in the field section of the NAGT website. Community College instructors will be encouraged to contribute their best field trips.

NSF GEO-Teach proposal- The ExComm considered endorsing a proposal from a group, which includes Scott Linneman. Scott did not participate in the vote and Geoff led the discussion. The proposal for NSF funding involves the development of interacting networks supporting the preparation and professional development of Earth Science teachers. Some funding could result in support for NAGT meetings. **The ExComm asked Geoff to write a support letter and have Ian and Karen proof it. The support letter will be sent to Cathy who is gathering the support information. Moved, Seconded, Passed.** Eric, Scott, and Michelle abstained.

A discussion ensued about whether NAGT should support multiple proposals. The conclusion was that multiple proposals could be approved if the connection to NAGT was explicit. Sponsorship requests should go to Ian, Geoff, and Karen.

Plans for GSA Annual Meeting

The tentative schedule is for the Executive Committee to meet Sat. morning, Oct. 21. and the full council will meet in the afternoon. The new officers will take office at noon on the 21st, but are expected to attend the morning meeting. The ExComm will meet again on Sunday morning, the 22nd. Ian presented the tentative schedule.

Publications

Carl Drummond joined the discussion by conference call.

Our policy on advertising in our publications was discussed. Does publishing an advertisement constitute an endorsement? Should Ian move forward on developing an advertising webpage? No answers were provided.

JGE is widely acclaimed by some and said to not be useful by others. The ExComm once again talked about whether a second publication with a different focus might meet the needs of some members not served as well by the current journal. JGE has always had a problem getting articles from K-12 teachers. These folks do not have the practice or the incentive to publish. AIP will allow us to survey members on various subjects including their impression of JGE. Carl says that the number of submissions to JGE indicates that it is meeting a significant need for publishing of geoscience material.

A survey of members at the NAGT luncheon at GSA did not mention any of the columns that have been deleted. Can we add pages? Carl could include a “Great Ideas Section” in JGE. Carl suggests using our webpage to publish some articles.

Carl reported that 143 manuscripts were submitted in 2005. That is a 40% increase over 2004. Working with international authors has been a significant problem. A new system, which will allow the associate editors to review submissions on-line, will start soon. Carl is looking for more associate editors with broad interest. The March issue is the one Cathy co-edited on the field.

Carl is working on a continuing basis with Angel printing. Currently we have no contract with them. JGE is not a major part of their printing business.

Other Business

The NAGT position paper, “Statement on Teaching Evolution” written by Michael Gibson was approved. Karen suggested some minor editorial changes which she will send to Mike for his approval.

Adjourned: 11:00 am



Where am I? Find the red dot! (Jeff Tolhurst)