



Everglades Geological Society

BULLETIN

Volume 4, Number 7

March 1998

Next Meeting: March 17th, 1998
6:30 P.M. at the French Connection
(social hour starts at 5:30)

Speaker: Dr. Hal Wanless

Topic: Role of hurricanes & sea level change on the evolution of coastal wetlands in South Florida.

(abstract unavailable at press time)

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Everglades Geological Society
P.O. Box 61684
Fort Myers, FL 33906

The Everglades Geological Society is an organization which seeks to promote interest in and understanding of Geology and the related Earth Sciences, and to provide a common organization for those individuals interested in geology and the related earth sciences.

The Bulletin is a monthly (September-June) publication of the Everglades Geological Society, Inc.

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Everglades Geological Society
P.O. Box 61684
Fort Myers, FL 33906

PRESIDENT'S MESSAGE

Dan Acquaviva

There has been some discussion that our next meeting, scheduled for March 17, should be postponed or cancelled since it falls on St. Patrick's Day. Many have indicated that they have other commitments on that day, what with parades, parties, and so forth. Well, after much debate and consideration, we have decided to hold the March 17 meeting as scheduled. And in fact, to encourage attendance, one of the "wee people" has arranged for a free glass of green beer for every member present. Yes, there really are leprechauns, and if you drink enough green beer you may even see one. So be there on the 17th and we'll raise a glass in the name of each and every one of the great Irish Geologists that we can recall.

On a more serious note, we would like to congratulate some of our members on noteworthy recent accomplishments. In the February GSA Bulletin is an excellent paper by Kevin Cunningham and Tom Scott et al regarding the Tertiary stratigraphy of the Keys. And John Grimm has been duly accepted as an AAPG member.

And finally, the Society wishes to express its deep gratitude to those who had the fortitude and sense of responsibility to allow themselves to be put forth as candidates for office for next year.

THIS MONTH'S CONTEST

*Where is the Celtic Sea, when and how was it formed, and what is the Wealdon?
This month's contest prize is a set of pocket geologic reference guides. Remember you must be present at the monthly meeting to win. Board members are not eligible.*

Answer to February contest: craters - volcanic (P) and impact (I). The February winner was Cliff Harrison.

A healthy economy made it possible for President Clinton to release a balanced budget request for Fiscal Year 1999 (FY 1999) that is peppered with spending increases, especially for science agencies. This year's budget release on Monday was a sharp contrast to the gloomy budget briefings of recent years in which agency heads announced spending levels that mostly represented constant-dollar cuts. The President's budget proposes a Research Fund for America that provides most civilian research agencies with an 8 percent increase for FY 1999 and a 32 percent increase by FY 2003 (not adjusted for inflation). It should be noted, however, that a portion of this Fund -- \$25 billion of \$170 billion over five years -- is dependent on the pending tobacco settlement legislation.

But amidst the good news for research, there were pockets of very real concern for the geoscience community, particularly cuts to the U.S. Geological Survey's Geologic Division. AGI will seek to work with Congress to ensure that the rising tide for science does not leave our community behind.

Department of the Interior

Overall, the U.S. Geological Survey (USGS) fared well in the President's request with a proposed increase of \$47.7 million to \$806.9 million for FY 1999, including several new initiatives for a real-time natural hazards information network, watershed restoration, and habitat conservation. Three of the four divisions received sizable increases, but not the Geologic Division, which would receive a \$1.4 million cut to \$233.8 million. In particular, the National Cooperative Geologic Mapping Program is offered up for a \$1.7 million decrease spread across all of its components. Coastal studies, mineral resources, and energy resources all received cuts. The division's only increase is \$2 million for "interdisciplinary science for habitat restoration and species conservation tailored to the specific management needs of selected ecosystems," including the Salton Sea, Platte River, Greater Yellowstone, and Mojave Desert. The Water Resources Division would receive a \$19.3 million increase to \$214.2 million. Of that amount, the NAWQA program would receive a \$6 million increase. Another \$7 million is requested for the Administration's Kalamazoo initiative, a request rejected by appropriators last year. In a turnaround from previous years, the Administration has requested an increase for the Water Resources Institutes, which it has regularly sought to eliminate only to see funding restored by Congress. The National Mapping Division is slated to get a \$16 million boost to \$151.8 million, most of that for the real-time hazards information initiative. The bulk of those new funds, however, would be passed through to other agencies. The Biological Resources Division is up \$13.2 million to \$158.3 million. Elsewhere in Interior, the request for the Office of Surface and Mining and Reclamation is \$347 million, up 12 percent. The Minerals Management Service total budget request of \$833.1 million, up 4 percent, includes a 15 percent decrease in appropriations offset by increases in both collections and lease payments. The National Park Service request is \$1,753 million, up 5.7 percent. For more information, see the Department of the Interior's web site at: www.doi.gov/budget/99budgetinbrief/toc.html.

National Science Foundation

The Administration has requested \$3,773 million for NSF, an 11 percent increase over FY 1998. Research Project Support would increase 12 percent to \$2,126 million, Research Facilities funding would increase 5.2 percent to \$735 million, and Education and Training funding would increase 10.7 percent to \$737 million. The request for the Geosciences Directorate is \$507.3 million, an 11.5 percent increase. Of that amount, the Earth Sciences Division would receive 106.7 million, up 12.2 percent; Ocean Sciences would receive \$230.4 million, up 11.8 percent; and Atmospheric Sciences would receive \$170.2 million, up 10.7%. For more information on the NSF budget, visit their web site at: www.nsf.gov/bfa/bud/fy1999/start.htm.

Department of Energy

The Geosciences program is slated for a 12 percent increase to \$25 million, most of that for carbon dioxide terrestrial sequestration studies. The Yucca Mountain project would receive \$380 million, up 10 percent from FY 1998 appropriated levels but \$2 million less than last year's request. The funding would be split equally between the

defense nuclear waste disposal account and the nuclear waste disposal fund. The Environmental Management program, which oversees cleanup of the nuclear weapons complex would receive \$4260 million, down 1 percent.

National Aeronautics and Space Administration

NASA's FY 1999 request of \$13.5 billion represents a slight (1.5 percent) decrease from the 1998 budget. Of particular interest to the geological community is the Earth Science program -- formerly Mission to Planet Earth --, which shows a \$5 million increase to \$1,372 million. The associated science component is up \$1 million to \$295 million. The goal of NASA's Earth Science programming is better understanding of "the total Earth system and the effects of natural and human-induced changes in the global environment." For more budget information, see:

www.nasa.gov/budget/budget_index.html.

National Oceanic and Atmospheric Administration

The budget seeks to acquire resources for two specific presidential priorities: the Natural Disaster Reduction Initiative and the Clean Water Initiative. The \$22 million request to support the Administration's Clean Water Initiative is designed to help protect coastal communities from toxics and reduce the flow of pollution into coastal waters from nonpoint sources. The Natural Disaster Reduction Initiative asks for \$55 million to launch new activities to reduce the cost of hazards such as natural hazards (hurricanes, tornadoes, winter storms, heat, floods, and droughts); geological activities (volcanoes, earthquakes and tsunamis); and extreme biologic events (harmful algal blooms, nonindigenous species, persistent hypoxia, etc.). For more budget information, see:

www.noaa.gov.

Environmental Protection Agency

EPA's overall budget request is \$7.8 billion, a 5.4 percent increase over FY 1998. The request was presented in terms of a series of goals such as Clean Air, Clean and Safe Water, and Safe Food. Of the 10 goals, Sound Science was one of two to receive budget cuts, from \$404.7 million in FY 1998 to \$366.9 million in FY 1999. It is not yet clear how those cuts relate to funding for the Office of Research and Development or for individual geoscience-intensive programs.

Calls for Papers

Intl. Water Supply Symposium:
Water Supply Systems in the Urban Environment –
Perspectives on the Future
- abstracts by March 31, 1998

1998 Hedberg Research Conf. - Integrated Structural &
Sequence Stratigraphic Analysis in Rift Settings
- abstracts by April 15, 1998

AAPG Eastern Sec. Mtg. - Search for New Horizons
for abstract forms call (330) 262-4323

Soc. for Organic Petrology
- Sailing Into the New Millennium
- abstracts by April 1, 1998

GSA Annual Convention
- abstracts by July 13, 1998

CALENDAR

Apr. 20-23. *The Complete Ground Water Monitoring Field Course*, Orlando, FL. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

Apr. 20-21. *Monitoring Well Design, Construction & Devment*, Orlando, FL. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021 Ph.: (614) 965-5026, fax: (614)965-5027.

Apr. 22-23. *The Ground Water Sampling Field Course*, Orlando, FL. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

May 5-6. *Assessment of Petroleum Hydrocarbon Spills for Risk-Based Corrective Action, Natural Attenuation & Remedial Design*, Houston, TX. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

May 7. *Practical Techniques for Cost-Effective Ground Water Sampling*, Houston, TX. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

May 8. *Practical Techniques for Cost-Effective Ground Water Sampling*, Concord, CA. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

May 13-15. *The California Mining Association's 1998 Annual Conference*, Catamaran Hotel and Resort, San Diego, CA. Contact: California Mining Assoc., Carol Berry, One Capitol Mall, #220, Sacramento, CA 95814, Ph.: (916) 447-1977, Fax (916) 447-0348.

May 14-18. *Linking Spatial and Temporal Scales in Paleoecology and Ecology*, Annapolis, MD. Contact: Lois J. Elms, Western Experience Penrose Conference Coordinators for the GSA, 4881 Evening Sun Lane, Colorado Springs, CO 80917, Ph.: (719) 597-9201, e-mail: llelms@aol.com.

May 17-22. *American Society for Surface Mining and Reclamation, Mining-Gateway to the Future!*, St. Louis, MO. Contact: Dianne Throgmorton, Coal Research Center, Southern IL Univ., Carbondale, IL 62901-4623, Ph.: (618) 536-5521, e-mail: diannet@siu.edu.

May 19. *Practical Techniques for Cost-Effective Ground Water Sampling*, Concord, CA. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

May 20. *Micropurge Low-Flow Purging and Ground Water Sampling*, Concord, CA. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

Jun. 2-5. *The Nineteenth Int. Computer Technology Show for the Design and Construction Industry*, Chicago, IL. Contact: Pat Smith, NE/C Systems '98, 415 Eagleview Blvd. #106, Exton, PA 19341-1153, Ph.: (610) 458-7689, Fax (610) 458-7171, <http://www.aecsystems.com>.

Jun. 2-5. *The Environmental Sampling Field Course*, Columbus, OH. Contact: The Nielsen Environmental Field School, Inc., 4686 State Rte. 605 5., Galena, OH 43021, Ph.: (614) 965-5026, fax: (614) 965-5027.

Jul. 4-11. *Processes of Crustal Differentiation: Crust-Mantle Interactions, Melting and Granite Migration through the Crust*, Verbania, Italy. Contact: Lois J. Elms, Western Experience Penrose Conference Coordinators for the GSA, 4881 Evening Sun Lane, Colorado Springs, CO 80917, Ph.: (719) 597-9201, e-mail: llelms@aol.com.

Jul. 26-30. *The Society for Organic Petrology (TSOP), 15th Annual Meeting in conjunction with the Canadian Society for Coal Science and Organic Petrology (CSCOP)*, Halifax, Nova Scotia, Canada. Contact: P.K. Mukhopadhyay, Global Geoenergy Res., Ltd., Box 9469, Station A, Halifax, NS B3K 5S3 Canada Ph.: (902) 453-0061, e-mail: avery-agc.bio.ns.ca, <http://agc.bio.ns.ca/tsophalifax98>.

Nov. 5-7. *AAAS Conference in South Dakota to establish network of researchers in Great Plains states*, Sioux Falls, SD. Contact: Ellen Cooper, Ph.: (202) 326-6431.

Nov. 12-17. *AAAS Epic of Evolution Conference*, Chicago, IL. Contact: Dave Amber, Ph.: (202) 326-6434.

EGS MEETING CALENDAR	
1998	
March 17	EGS Meeting
April 21	EGS Meeting
May 19	EGS Meeting
June 16	EGS Meeting

CANDIDATE BIOGRAPHIES

PRESIDENT

PAUL J. ATTWOOD, P.G.

Employment History

Fl. Dept. of Environmental Protection, Oil & Gas Section, 1996 - Present
Missimer International, 1994-1995
ViroGroup, Inc., 1992-1994
L.M. Berry, 1988-92
TXO Production Co., 1985-88

Education

University of Kansas, M.S., Geology, 1981
Denison University, B.S., Geology, 1974

Registrations

Florida P.G.

Publications

1 AAPG publication dealing with Yucatan geology.

Affiliations

Everglades Geological Society, 1994 - Present
University of Kansas Alumni Association

Offices Held/Committees

Everglades Geological Society, Vice President, 1997-98
Three Oaks Elementary PTA President
Lafayette Geological Society - Vice President, Secretary, Publications Sales Manager, Barbecue Chairman

PRESIDENT

RICHARD ORTH, P.G.

Employment History

Florida Department of Environmental Protection, 1989 - Present

Education

N.Dakota State University, B.S. Geology 1987

Registrations

Florida P.G.

Publications

Affiliations

Everglades Geological Society, 1994 - Present

Offices Held/Committees

VICE PRESIDENT

ROBERT MALIVA, PH.D., P.G.

Employment History

Missimer International, 1994 - Present

Education

Havard University, Ph.D., Geology
Indiana University, A.M., Geology
State University of New York, Binghamton,

B.A., Geology

Registrations

Florida P.G.

Publications

20 publications dealing with sedimentary petrology

Affiliations

Everglades Geological Society, 1994 - Present
Society of Economic Paleontologists & Mineralogists
American association of Petroleum Geologists

VICE PRESIDENT

CLYDE DABBS, P.G.

Employment History

South Florida Water Mngt District, 1987 - Present
Schlumberger, 1981-87

Education

University of South Florida, M.B.A., 1995
University of South Florida, B.A., Geology, 1981

Registrations

Florida P.G.
AIPG - Certified Professional Geologist

Affiliations

Everglades Geological Society, 1994 - Present
American Institute of Professional Geologists
Florida Paleontological Society

Offices Held/Committees

Everglades Geological Society Secretary, 1995
EGS Editor, 1996 - Present
S.W. Florida Water Resources Conference Program Committee, 94, 95, 97

SECRETARY

ELIZABETH SHAWKEY

Employment History

Missimer International, 1995 - Present

Education

University of Idaho, M.S., Geology, 1995
Franklin and Marshall College, B.A., Geology, 1993

Publications

3 publications dealing with volcanism
1 publication petrography and geochemistry

Affiliations

Everglades Geological Society, 1994 - Present
Society of Economic Paleontologists and Mineralogists
Geological Society of America
Association of Women Geoscientists
American Geophysical Union

Offices Held/Committees

Everglades Geological Society, Secretary 1997-98

SECRETARY

E. EDWARD RECTENWALD

Employment History

ViroGroup, Inc., Hydrogeologist, 1995 - Present

On-Site Environmental, Geologist, 1995

Education

University of Akron, B.S., Geology, 1995

Publications

1998 EGS Field Trip Road Log

Affiliations

American Water Resources Association, 1998
Everglades Geological Society, 1995 - Present

Director

Jack McCoy, P.G.

Employment History

Lee County Natural Resources Management,
Hydrogeologist, 1989 - Present
CH2M Hill, Senior Hydrologist, 1987-89
United States Geological Survey, Associate
District Chief, 1976-87
United States Geological Survey, Hydrologist,
1958-76

Education

Florida State University, M.S., Geology, 1958
Florida State University, B.S., Geology, 1956

Registrations

Florida P.G.

Publications

21 USGS publications dealing with water resources
investigations
2 Lee County publications dealing with water
conservation

Affiliations

Everglades Geological Society, 1994 - Present

Offices Held/Committies

Everglades Geological Society, Treasurer 1997-98
Everglades Geological Society, Director 1994-96

DIRECTOR

JACK L. BRELAND, P.G.

Employment History

International Consultants of Naples, President,
1996 - Present
ViroGroup, Inc., Hydrogeologist, 1988 - 1996
Atec, Inc., Geologist, 1986-88
Oil Well logging Company, Inc., Geologist, 1984-86

Education

University of Southern Mississippi, B.S., Geology,
1984

Registrations

Florida P.G.
Alabama, P.G.
Tennessee P.G.
American Institute of Professional Geologists

Affiliations

Everglades Geological Society, 1994 - Present
AIPG, 1994 - Present
Southern geological Society, 1979 - Present
Florida Geological Society, 1997 - Present

TREASURER

JOHN M. GRIMM

Employment History

Water & Environment Services, 1989 - Present
Institute of Food and Agricultural Sciences, 1987-
89

Education

Southern Illinois University, B.S., Geology, 1985

Registrations

Florida P.G.

Affiliations

National Ground Water Association
American Water Resources Association
American Association of Petroleum Geologists, 1998
Everglades Geological Society, 1994 - Present
Florida Environmental Assessors Association

Offices Held/Committies

SWFWMD Agricultural Advisory Committie

TREASURER

FRANK PROCTA, P.G.

Employment History

Ardaman & Associates, Inc., 1997 - Present
ViroGroup, Inc., 1990-97
Geraghty & Miller, 1988-90
S&ME, 1987-88

Education

Florida State University, B.S., Geology, 1983

Registrations

Florida P.G.
Pennsylvania P.G.

Affiliations

Everglades Geological Society, 1997 - Present
National Ground Water Association

EDITOR

GORDON P. KENNEDY

Employment History

Missimer International, 1997 - Present
ViroGroup, Inc., 1989-97
Texaco, Inc., 1980-84
N.L. Baroid, 1977-80

Education

University of New Orleans, B.S.,
Earth Sciences, 1976

Registrations

Florida P.G.

Affiliations

Everglades Geological Society, 1994 - Present
American Geophysical Union, Hydrology Section
Association of Groundwater Scientists and
Engineers

Join Everglades Geological Society

*Application forms are available:
at meetings, by mail and on our web site.*
<http://www.geocities.com/CapeCanaveral/1356>

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