



Everglades Geological Society

BULLETIN

Volume 5, Number 1

September 1998

Meeting This Month: September 15, 1998

6:30 P.M. at the French Connection

(social hour starts at 5:30)

Speaker: Dr. Tom Scott

Topic: The New State of Florida Geologic and Geomorphic Maps:
Introduction of the Draft Maps.

(abstract on page 3)

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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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P.O. Box 61684
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PRESIDENT'S MESSAGE

Paul Attwood

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, we would like to express our gratitude to those who had the fortitude and sense of purpose to persevere as officers over the past 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.

THE NEW STATE OF FLORIDA GEOLOGIC AND GEOMORPHIC MAPS: INTRODUCTION OF THE DRAFT MAPS

Dr. Thomas M. Scott
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ABSTRACT

The interpretation of Florida's near-surface geologic framework has undergone revisions since the last geological map of Florida published by the Florida Geological Survey (FGS) (Vernon and Puri, 1964, scale of 1:2,000,000). Brooks (1982) independently published an interpretation of the state's geology at a scale of 1:500,000. During the last ten years, the FGS has been preparing a revised version of the State geologic map incorporating these new concepts. The draft map (scale 1:750,000), text and cross sections are presented for discussion and debate.

A revised map of Florida's geomorphology is being completed. In part, it is a revision of White (1970). It is also a reinterpretation of the State's geomorphology in light of the new geologic map.

BIOGRAPHY

Dr. Scott is Assistant State Geologist with the Florida Geological Survey. He received a bachelors degree in geology from the University of South Florida in 1971, a Master of Science degree from Eastern Kentucky University in 1973, and a Doctor of Philosophy degree from Florida State University in 1986.

Tom has worked for the Florida Geological Survey since 1974 and is the author of numerous publications on the geology of the state. Much of his work has been devoted to the Tertiary stratigraphy of Florida and bringing the nomenclature "up to Code". His Lithostratigraphy of the Hawthorn Group (Miocene) of Florida (FGS Bulletin 59, 1988) is a classic and should be on every Florida geologists bookshelf. He recently co-authored an article in the February Geological Society of America Bulletin on the Tertiary stratigraphy of the Florida Keys.

FIRST ANNUAL EARTH SCIENCE WEEK SET FOR OCTOBER

ALEXANDRIA, Va. The countdown to the first Earth Science Week has begun. Mark your calendars now for the October 11-17 celebration. Earth Science Week is one of the American Geological Institute's most ambitious 50th anniversary initiatives, and it offers the geoscience community new opportunities to demonstrate the importance of the earth sciences. Geoscience organizations have responded enthusiastically to the idea, and AGI member societies and state geological surveys are planning Earth Science Week activities and events. "The goal for Earth Science Week," says AGI President Susan Landon, "is to have every geoscientist in the country do something in his or her community to promote the earth sciences." AGI's role in sponsoring an annual Earth Science Week is to provide a clearinghouse for ideas, activities, and special events and to provide support materials that make it easy for geoscientists to participate. Information about Earth Science Week is available from the American Geological Institute and on the World Wide Web at <http://www.earthsciweek.org>"

The governors of 14 states — Alabama, Arizona, Colorado, Florida, Illinois, Kansas, Kentucky, Maine, Nevada, North Carolina, North Dakota, Ohio, Oregon, and Vermont — have already issued Earth Science Week proclamations and resolutions and more are expected to follow. A common thread in the proclamations is recognition that geology and the earth sciences are fundamental to society and to our quality of life. An understanding of geology and the earth sciences can help citizens make wise decisions for land management and use, is crucial to addressing environmental and ecological issues, and provides the basis for preparing for and mitigating natural hazards.

Earth Science Week has enormous potential for increasing public awareness and understanding of the importance of the earth sciences in our lives. The celebration, which will be held annually during the

second full week of October, will give geoscientists and organizations a focal point for

- giving students new opportunities to discover the earth sciences,
- highlighting the contributions that the earth sciences make to society,
- publicizing the message that earth science is all around us,
- encouraging stewardship of the Earth, and
- developing a mechanism for sharing knowledge and enthusiasm about the Earth and how it works.

In addition to an Earth Science Week information kit, AGI is producing a variety of educational materials this year. A colorful 18" x 24" poster on Geoscience Careers is available, and a 40-minute Careers video will be released this month. The Earth Science Week Ideas and Activities booklet and a poster on Soils featuring a student activity will be available in August. In addition, three modules of middle-school curriculum student and teacher activities will be available this fall, as will the general interest booklet, *Sustaining Our Soils and Society*. The booklet is part of AGI's Environmental Awareness series.

"Reaching our objectives for Earth Science Week requires strategic planning, good ideas, and a lot of work," Landon said. "Leading a field trip, visiting a classroom, talking to a community group, writing an article, hosting an open house, and working with a Scout or other youth group, and planning an earth science event or exhibit at a library, nature center, or museum are just a few of the possibilities for celebrating Earth Science Week," she added.

To request an Earth Science Week information packet, contact Julie Jackson at AGI headquarters or register on the World Wide Web at <http://www.earthsciweek.org>.

The American Geological Institute is a not-for-profit federation of 32 professional organizations in the Earth Sciences representing more than 100,000 geologists, geophysicists, and other earth and environmental scientists.

NEWS AND ANNOUNCEMENTS

EARTH SCIENCE WEEK...The Everglades Geological Society will sponsor an exhibit at the Calusa Nature Center to help celebrate Earth Science Week (October 11-17). Volunteers from EGS will be on hand at the display from 11 am - 3pm on October 11th and 17th. Please contact Clyde Dabbs if you would like to volunteer, or if you have rock, fossil or mineral samples you can contribute to the display. For additional information see page 4.

FIELD TRIP PLANNED.... The Miami Geological Society will host a field trip to visit Anastasia Formation outcrops in Martin and Palm Beach Counties on Saturday, November 7, 1998. The field trip leader will be Don Lovejoy, geology professor at Palm Beach Atlantic College (PBAC). The trip will depart from the parking lot of PBAC at 7:30 AM. Participants are encouraged to wear shorts and hiking boots or sneakers, bring a box lunch and plenty of sunscreen. Additional information will be posted in next months bulletin, or you can contact Kevin Cunningham at(305) 526-2895 or kcunning@usgs.gov.

PROFESSIONAL BRIEFS...EGS member Ed Rectenwald recently relocated to West Palm Beach to work as a geologist for the South Florida Water Management District. Near member Akin Owoshina (Elizabeth Shawkey's fiancée) will also join District staff at the Fort Myers Service Center. Akin looks forward to stochastic modeling to his heart's content. We wish them both successes in their pursuits.

NEW MEMBERS...We would like to extend a warm welcome to Weldon Frost to the EGS. Weldon is with Frost Energy Co. in Longboat Key.

DC BEAT.... President Clinton nominated BILL RICHARDSON, U.S. ambassador to the United Nations, as the next Secretary of Energy, to replace outgoing secretary Federico Pena. As a New Mexico congressman from 1983 to 1997, Richardson represented the district that includes the Sandia and Los Alamos DOE laboratories. Also, PATRICIA FRY GODLEY resigned, effective July 31, as assistant secretary for fossil energy. She has served as assistant secretary since 1994 and was in charge of the Strategic Petroleum Reserve. ROBERT S. KRIPOWICZ, principal deputy assistant secretary for fossil energy, became acting assistant secretary for fossil energy upon Godley's departure.

CALENDAR

SEPTEMBER 1998

Sept. 13-19 International Association of Hydrogeologists Congress: Physical, Chemical, and Biological Aspects of Stream-Aquifer Interrelations, Las Vegas, Nev. (John Van Brahana, U.S. Geological Survey, 114 Ozark Hall, University of Arkansas, Fayetteville, 72701. Phone: 501/575-2570)

Sept. 20-24 Fluid Flow in Carbonates: Interdisciplinary Approaches, conf., Egg Harbor, Wis. (Judy Tarpley at SEPM, 1731 E. 71st St., Tulsa, Okla. 74136-5108. Phone: 800/865-9765 ext. 22. Fax: 918/493-2093. E-mail: jtarpley@galstar.com)

Sept. 27-30 Society of Petroleum Engineers, ann. conf., New Orleans, La. (Dan Lipsher, Society of Petroleum Engineers, P.O. Box 833836, Richardson, Texas 75083-3836. Phone: 972/952-9306. E-mail: dlipshe@spelink.spe.org)

Sept. 27-Oct. 2 American Institute of Hydrology and International Association of Hydrogeologists: Gambling with Groundwater, joint conf., Las Vegas, Nev. (AIH, 2499 Rice St., Ste. 135, St. Paul, Minn. 55113-3724. Fax: 612/484-8357. E-mail: AIHydro@aol.com)

Sept. 30-Oct. 3 Society of Vertebrate Paleontology Annual Meeting, Snowbird, Utah., by the Utah Geological Survey and the Utah Friends of Paleontology. (SVP Business Office, 401 N. Michigan Ave., Chicago, Ill. 60611-4267. Phone: 312/321-3708. Fax: 312/321-3700. E-mail: svp@sba.com)

Sept. 30-Oct. 3 AEG Meeting -- Engineering Geology - "Knowledge for Better Decisions", ann. mtg., Seattle, Wash. (Association of Engineering Geologists. Julie Keaton, 130 Yucca Drive, Sedona, Ariz. 86336-3222. Phone: 520/204-1553. Fax: 520/204-5597. E-mail: aegjuliek@aol.com)

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Oct. 3-7 American Institute of Professional Geologists, ann. mtg., Baton Rouge, La. (AIPG, Suite 103, 7828 Vance Dr., Arvada, Colo. 80003. Phone: 303/431-0831. Fax: 303/431-1332. E-mail: aipg@netcom.com)

Oct. 4-8 MODFLOW '98, conf., Golden, Colo. (Phone: 303/273-3103. WWW: <http://mines.edu/igwmc>)

Oct. 13-16 Conference on Fossil Resources, Rapid City, S.D. (Rachel Benton, Badlands National Park, P.O. Box 6, Interior, S.D. 57750. Phone: 605/433-5361)

Oct. 16-17 Sequence Stratigraphy and Biostratigraphy of Upper Cretaceous Strata of the Alabama Coastal Plain, ann. field trip, by the Alabama Geological Society. (Charles Smith, P.O. Box 866184, Tuscaloosa, Ala. 35486. Phone: 205/349-2852. Fax: 205/349-2861. E-mail: ccsmith@ogb.gsa.tuscaloosa.al.us)

Oct. 21-23 Gulf Coast Association of Geological Societies (GCAGS), ann. mtg., Corpus Christi, TX. (Gloria Sprague, 600 Leopard, Ste. 1103, Corpus Christi, TX 78473. Phone: 512/882-5750, E-mail: gsprague@swbell.net)

Oct. 26-29 Geological Society of America, ann. mtg., Toronto, Canada. (Becky Martin, GSA Meetings Department, Box 9140, Boulder, Colo. 80301-9140. Phone: 303/447-2020, ext. 164. Fax: 303/447-1133)

NOVEMBER 1998

Nov. 7 The Anastasia Formation of Martin and Palm Beach Counties, field trip, by the Miami Geological Society. (Kevin Cunningham. Phone: (305) 526-2895)

Nov. 8-10 American Petroleum Institute, ann. mtg., San Francisco, Calif. (Phyllis West. Phone: 202/682-8054)
Nov. 8-11 American Association of Petroleum Geologists, int'l mtg., Rio de Janeiro. (AAPG Conventions Dept., P.O. Box 979, Tulsa, Okla. 74101-0979. Phone: 918/560-2679. Fax: 918/560-2684)

Nov. 13-15 Geological History of the Carolina Terrane in Northeast South Carolina, ann. field trip, Columbia, S.C., by the Carolina Geological Society. (Don Secor. Phone: 803/777-4516. Fax: 803/777-6610. E-mail: secor@geol.sc.edu)

Nov. 14 Oil and Gas Field Trip Offshore, Mobile, Ala., by the Alabama Geological Society. (Bob Mink, P.O. Box 866184, Tuscaloosa, Ala. 35486. Phone: 205/349-2852. E-mail: bmink@ogb.gsa.tuscaloosa.al.us)

Nov. 15-19 Annual Conference on Water Resources, Point Clear, Ala. (American Water Resource Association, Attn.: 1998 Annual Conference and Symposia, 950 Herndon Pkwy., Ste. 300, Herndon, Va. 20170-5531. Phone: 703/904-1225. Fax: 703/904-1228)

Dec. 6-10 American Geophysical Union, ann. mtg., San Francisco, Calif. (American Geophysical Union, Meetings Dept., 2000 Florida Ave., Washington, D.C. Phone: 202/462-6900. Fax: 202/328-0566. E-mail: meetinginfo@kosmos.agu.org. WWW: <http://www.agu.org>)

Dec. 13-16 NGWA National Convention and Exposition, Las Vegas, Nev. (NGWA. Phone: 800/551-7379. Fax: 888/440-NGWA)

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Mar. 1-4 Society for Mining, Metallurgy, and Exploration, ann. mtg., Denver, Colo. (SME, 8307 Shaffer Parkway, P.O. Box 625002, Littleton, Colo. 80162-5002. Phone: 303/973-9550. E-mail: smenet@aol.com)

Mar. 25-28 National Earth Science Teachers Association, ann. mtg., Boston, Mass. (NESTA, 2000 Florida Ave., N.W., Washington, D.C. 20009. Phone: 202/462-6910. Fax: 202/328-0566. E-mail: fireton@kosmos.agu.org)

Apr. 11-14 American Association of Petroleum Geologists, ann. mtg., San Antonio, Texas. (AAPG Conventions Dept., P.O. Box 979, Tulsa, Okla. 74101-0979. Phone: 918/560-2679. Fax: 918/560-2684)

Sept. 12-15 American Association of Petroleum Geologists, int'l. mtg., Birmingham, England. (AAPG Conventions Dept., P.O. Box 979, Tulsa, Okla. 74101-0979. Phone: 918/560-2679. Fax: 918/560-2684)

Oct. 5-8 American Institute of Professional Geologists, ann. mtg., Anchorage, Alaska. (AIPG, Suite 103, 7828 Vance Dr., Arvada, Colo. 80003. Phone: 303/431-0831. Fax: 303/431-1332. E-mail: aipg@netcom.com)

Oct. 25-28 Geological Society of America, ann. mtg., Denver, Colo. (Becky Martin, GSA Meetings Department, Box 9140, Boulder, Colo. 80301-9140. Phone: 303/447-2020, ext. 164. Fax: 303/447-1133)

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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