

Inside This Issue



Features

AIPG National Officer Election Results	3
Foundation of the AIPG	7
AIPG/AGWT Aquifer Management Seminar	8
James J. Geraghty-Environmental Pioneer	10

Book Review

Geological Evolution of the Colorado Plateau of Eastern Utah and Western Colorado <i>Matthew Rhoades, CPG-07837</i>	11
AASG Resolution Letter and Resolution	12-13
News from NGWA	14,20
AIPG Annual Meeting Exhibitors	25
AIPG Annual Meeting Sponsors	31
AGI News	36

Book Review

Mineral Exploration and Mining Essentials <i>David M. Abbott Jr., CPG-04570 and William J. Siok, CPG-04778</i>	37
AIPG 2012 Annual Meeting, Rapid City, South Dakota	40

Peer Reviewed Article

Detection of Coastal and Submarine Discharge on the Florida Gulf Coast with an Airborne Thermal-Infrared Mapping System <i>Ellen Raabe, David Stonehouse, Kristin Ebersol, Kathryn Holland and Lisa Robbins</i>	42
--	----

ON THE COVER-Council Overhang, at Starved Rock State Park in Illinois. Photos by Kathy Casstevens-Jasiek/Starved Rock Lodge.

AIPG National Executive Committee

PRESIDENT - Samuel Gowan, CPG
Alpha Geoscience, Inc.
O: (518) 348-6995
sgowan@alphageoscience.com

PRESIDENT-ELECT - Barbara H. Murphy, CPG
Clear Creek Associates
O: (480) 659-7131
bmurphy@clearcreekassociates.com

PAST-PRESIDENT - Michael D. Lawless, CPG
Draper Aden Associates
O: (540) 552-0444
mlawless@daa.com

VICE PRESIDENT - J. Foster Sawyer, CPG
SD School of Mines and Technology
O: (605) 394-2462
foster.sawyer@sdsmt.edu

SECRETARY - Adam W. Heft, CPG
Parsons Brinckerhoff
O: (517) 886-7400
heft@pbworld.com

TREASURER - Robert W. Gaddis, CPG
Newfield Exploration Mid-Continent, Inc.
O: (918) 732-1651
BGgeoconsult@aol.com

EDITOR - Robert A. Stewart, CPG
Arcadis US, Inc.
O: (860) 533-9901
bob.stewart@arcadis-us.com

ADVISORY BOARD REPRESENTATIVES
James F. Howard, CPG
C: (270) 925-6636
jfhoward89@hotmail.com

Helen V. Madeksho-Hickman, CPG
HSA Engineers and Scientists
O: (561) 688-9008
hickmanhydro@att.net

John M. Stewart, CPG
ECS Carolinas, LLP
O: (336) 856-7150
jstewart1@ecslimited.com

Ronald J. Wallace CPG
State of Georgia
O: (404) 362-2589
ronald_wallace@dnr.state.ga.us

NATIONAL HEADQUARTERS
12000 Washington St., Suite 285
Thornton, CO 80241
7:30 AM - 4:30 PM MDT; M-F
(303) 412-6205 • Fax (303) 253-9220
aipg@aipg.org • www.aipg.org

EXECUTIVE DIRECTOR - William J. Siok, CPG - wsiok@aipg.org
ASSISTANT DIRECTOR - Wendy J. Davidson - wjd@aipg.org
PROFESSIONAL SERVICES MGR - Cathy L. Duran - cld@aipg.org
MEMBERSHIP SERVICES MGR - Vickie L. Hill - vlh@aipg.org
OFFICE ASSISTANT - Cristie J. Valero - cjv@aipg.org
ADMINISTRATIVE ASSISTANT - Dorothy K. Combs - dkc@aipg.org
ADMINISTRATIVE ASSISTANT - Ramona J. Scott - rjs@aipg.org

LIFE AND HEALTH INSURANCE
GeoCare Benefits Insurance Plan
Phone: 800-337-3140 or 602-870-4121
http://www.geocarebenefits.com/
E-mail: geocarebenefits@agfa.com

AUTO AND HOME INSURANCE
Liberty Mutual
Phone: 800-524-9400
http://www.libertymutual.com/lm/aipg

SUPPLEMENTAL INSURANCE
AFLAC
Phone (303) 674-1808
http://www.aflac.com

PROFESSIONAL & GENERAL LIABILITY INSURANCE
The Wright Group
Phone (800) 322-9773 (303) 863-7788
http://www.thewrightgroupinc.com

ALAMO RENTAL CAR -
(800) 354-2322 - Member #BY-706768

AVIS RENTAL CAR -
(800) 831-8000 - Member AWD #T00300

BUDGET RENTAL CAR -
(800) 455-2848 - Member BCD #Z663100

UPS Savings Program
www.aipg.org or www.savewithups.com/enroll

DEPARTMENTS

- 4 Section News
- 14 AIPG Professional Member Application
- 16 Editor's Corner
- 17 Test Your Knowledge
- 18 President's Message
- 19 Student Chapters
- 21 Executive Director's Column
- 21 In Memory
- 22 Professional Ethics and Practices
- 26 Hydrothink
- 27 Student's Voice
- 28 Test Your Knowledge Answers
- 32 Professional Services Directory
- 34 AIPG Student Application
- 35 New Applicants and Members
- 39 Letters to the Editor
- 50 Section News
- 53 AIPG Store

AIPG Publication Policy, October 4, 2010. AIPG encourages submission of articles and editorials for publication in *TPG* on topics related to the science and profession of geology. Submittals shall be of interest to the members of AIPG, other professional geologists, and others interested in the earth sciences. Articles and editorials may be noted as follows at the discretion of the Editor, "The opinions, positions and conclusions presented herein are those of the author and do not necessarily reflect the opinions, positions or conclusions of the American Institute of Professional Geologists." All materials submitted for publication, including author opinions contained therein, shall include accurate and appropriate references. The Editor has the authority to solicit, edit, accept, or reject articles and editorials and other written material for publication. The Executive Committee has the authority if it so chooses to act on any particular case to support or overrule actions of the Editor regarding the solicitation, editing, acceptance, or rejection of any particular article, editorial, or other written material for publication.

American Institute of Professional Geologists (AIPG) is the only national organization that certifies the competence and ethical conduct of geological scientists in all branches of the science. It adheres to the principles of professional responsibility and public service, and is the ombudsman for the geological profession. It was founded in 1963 to promote the profession of geology and to provide certification for geologists to establish a standard of excellence for the profession. Since then, more than 10,000 individuals have demonstrated their commitment to the highest levels of competence and ethical conduct and been certified by AIPG.

The mission of the American Institute of Professional Geologists (AIPG) is to be an effective advocate for the profession of geology and to serve its members through activities and programs that support continuing professional development and promote high standards of ethical conduct.



The Professional Geologist (USPS 590-810 and ISSN 0279-0521) is published bi-monthly by the American Institute of Professional Geologists, 12000 Washington St., Suite 285, Thornton, CO 80241-3134. Periodicals Postage Paid at Denver, Colorado and additional mailing offices.

POSTMASTER: Send address changes to The Professional Geologist, AIPG, 12000 Washington St., Suite 285, Thornton, CO 80241. Subscriptions for all Members and Adjuncts in good standing are included in annual membership dues. Subscription prices are \$20.00 a year for Members' additional subscriptions and \$30.00 a year for non-members for 6 issues (for postage outside of the U.S. add \$10.00). Single copy price is \$4.00 for Members and \$6.00 for non-members. Claims for nonreceipt or for damaged copies are honored for three months.

Entire contents copyright 2011 by The Professional Geologist. Original material may be reprinted with permission. Deadline for articles and advertisements is six weeks preceding publication. Advertising rates available upon request. Opinions and views expressed by the authors are their own and do not necessarily reflect those of the American Institute of Professional Geologists, its staff, or its advertisers.

Printed in U.S.A. by Modern Litho-Print Company in Jefferson City, Missouri.

For AIPG news and activities go to www.aipg.org.