

**CENTRAL  
NEW YORK  
ASSOCIATION OF  
PROFESSIONAL  
GEOLOGISTS**

# CNYAPG

## INSIDE:

President's  
Page 2

Geologic  
News 2-3

CNYAPG  
Supporters

CNYAPG  
Calendar 4

*The November CNYAPG Meeting will be Thursday, November 18, 1999, at the Glen Loch Restaurant, 4626 North Street, Jamesville, NY, 315.469.6969, at 5 PM. Cost: \$15, \$10 with Student I.D. See Calendar for full details. We look forward to seeing all of you.*

### **WHERE IS THE CNYAPG SLIDE PROJECTOR?**

If anyone knows the whereabouts of the projector, please contact Vita DeMarchi or Buck Gabriel at 315.475.9204. It disappeared after the April 1999 meeting. Help us locate our equipment.

## **NASA's Concept Mission for the Human Exploration of Mars: Why, How, and When**

Presented by

**FRED JAQUIN, PH.D.**

**ASSISTANT PROFESSOR, ASTRONOMY AND METEOROLOGY  
ONONDAGA COMMUNITY COLLEGE, SYRACUSE, NY**

Previously: a member of the Education staff at the Museum of Science and Technology, a high school physics and earth science teacher at Manlius Pebble Hill School, and Marine Corps Vietnam era veteran, Dr. Fred received his doctorate in 1989 from Cornell University. His thesis carried the lofty title of *The Meteorology and Dynamics of the Martian Middle Atmosphere*.

Come hear Dr. Fred as he explores these considerations:

Philosophical and scientific imperatives for the exploration of Mars, based on the cultural heritage of western society and the physical environment of Mars.

Data from the Viking Missions, Pathfinder Mission, and Mars Global Surveyor to illustrate the unique and enigmatic features of the Martian meteorology, geology, and climatic history. NASA's Mars Reference Mission will be examined with the view of illustrating the complexity and risk of such a mission.

The Moral of the Mars Saga:

The first human to walk on Mars is: ( 1) a U.S. citizen; (2) alive today; and (3) probably in middle school.

He or she is destined for Mars and has no clue.

Come determine if you are ready for the future! Or is one of your kids destined for Mars?

**CNYAPG - NOVEMBER 1999**

## PRESIDENT'S PAGE

Greetings to the members and happy fall. This is the time when we look back over the year and take stock, as well as look forward to new opportunities. As far as our organization, we have much to anticipate in the upcoming months. There has been tremendous response regarding the speakers for future meetings and I can guarantee you that this will be the best season of presentations yet. Thanks for the input.

Please note that there will be some flexibility in the schedule from the standard second Thursday meeting to accommodate our speakers' agendas and commitments. We will announce the dates well in advance and remember that you can always check the Web site out for announcements and the calendar, as well as a copy of the monthly newsletter in case you misplace yours.

Thanks again to Dr. Bryce Hand for his engaging talk last month and for giving us his fascinating theory of the origin of the Clark Reservation formation to ponder. Dr. Hand's premise is both unique and intriguing. It is a great inspiration to look to those in our field who live by the notion of retiring TO something rather than FROM something.

We will meet for a Holiday Happy Hour in December to share some cheer. We are still looking for a downtown location to schedule that gathering so look for your December newsletter to give you the time and location.

Until then, see you on November 18<sup>th</sup> at the Glen Loch for Dr. Fred Jaquin and his vision of Mars. And have a happy Thanksgiving!

Buck Gabriel  
CNYAPG President

### **INSTANT REPLAY:**

### **WHERE IS THE CNYAPG SLIDE PROJECTOR?**

If anyone knows the whereabouts of the projector, please contact Vita DeMarchi or Buck Gabriel at 315.475.9204. It disappeared after the April 1999 meeting. Help us locate our equipment. Reward: Good karma is always rewarded by the cosmos!



### **Opportunities in Space Abound!**

### **Window on the Universe – Challenger Center for Space Science Education:**

How would you like to take your entire community on a journey from spaceship Earth to places unknown? Imagine parents and their children exploring the great frontiers as families. Picture teachers from across your region learning how to bring the universe and human exploration alive in the classroom. Visualize scientists and engineers, gifted at

communicating their passion to kids and adults alike, sharing stories of their own explorations during a unique after school field trip designed for families. Blast off to [www.challenger.org/wotf](http://www.challenger.org/wotf). Or e-mail the Challenger Center at [wotu@challenger.org](mailto:wotu@challenger.org). Last but not the very least, you can call the Center at 816.471.7770, ext. 2211

**Liftoff 2000! Return to Mars Workshop:** This innovative educational program for educators, sponsored by the Texas Space Grant Consortium and held at the Lunar and Planetary Institute, features presentations by Mars scientists and engineers, tours of NASA and Space Center Houston, hands-on inquiry based classroom activities, free curricula and space science materials, and Internet and e-mail access.

For additional information:  
<http://www.tsgu.utexas.edu/>

### **2000 NASA MEANS BUSINESS Student Competition:**

NASA is soliciting proposals from teams of and university students to compete for an opportunity to work with the NASA Exploration Office to draft the first *Mars Exploration Customer Engagement Plan*. The opportunity will include academic scholarship, hands-on experience with NASA scientists and engineers, and education/public outreach activities.

**CNYAPG - NOVEMBER 1999**

Selected teams will also receive cash rewards of \$1,000, travel grants to Johnson Space Center to present their work, and international recognition for their contributions to NASA's Mars exploration planning effort. An overall Competition Winner will be selected from among the finalist teams.

*The 2000 NASA MEANS BUSINESS Student Competition* will provide access to up to six student teams to the Mars mission planning activities of the NASA Exploration Office.

#### **Deadlines:**

**Letters of Intent: 12/3/99**  
**Proposals: 1/14/2000**

For details, browse the Web site:  
<http://www.tsgc.utexas.edu/nmb> or call Burke Fort, Program Director, 800.248.8742 or 512.471.7225 (in Austin, TX) or Dr. Humboldt C. Mandell, Jr. at 281.483.3977.

#### **LOOKING FOR A CHANGE OF PACE?**

**Cornell College - Geology/ Environmental Science:** Cornell college, a private undergraduate liberal arts college, invites applications for a tenure track appointment in its Department of Geology. Responsibilities include teaching physical geology, geomorphology, environmental geology, hydrogeology, and an upper level specialty course (e.g., geochemistry) The successful candidate will also be expected to develop and teach introductory courses for non-majors, teach structural geology, participate in the College's program in Environmental Studies, and

**develop a research program that incorporates undergraduate students. Ability to teach an extended field course desirable.**

**Appointment at the assistant professor level to begin in the fall of 2000; shared appointment will be considered. Ph.D. required; post-doctoral or college teaching experience preferred.**

**Cornell College has attracted national attention for its distinctive academic calendar under which faculty teach and students take one course at a time in month-long terms. The College is committed to excellence in teaching and research.**

**Interdisciplinary interests among the faculty is encouraged. Send a letter of application, curriculum vitae, and three letters of recommendation to: Ms. Ann Opatz, Office of Academic Affairs, Cornell College, 600 First Street West, Mount Vernon, Iowa 52314-1098. Formal consideration of applications begins 12/9/99. Cornell College is an EOA/AA employer and encourages women and minorities to apply.**

#### ***Is the Desert More to Your Liking?***

**New Mexico Highlands University is looking for an Assistant Professor of Geology. This tenure track position has a preferred start date of 1/10/2000. Look at the NMHU Web Site: [www.nmhu.edu](http://www.nmhu.edu) for a view of the school. To apply, submit a letter of application, CV, three recommendations, and a synopsis of: research interests/needs, teaching philosophy, and ideas regarding program building, science education, and thoughts on the meaning of "Environmental Geology." Include copies of transcripts. Send to: Chair, Geology Search Committee, New Mexico Highlands University, P.O. Box 9000, Las Vegas, NM 87701. Screening began on October 1<sup>st</sup>.**

Keep the newsletter input flowing. Send ideas, articles of interest, requests, announcements, and questions for the newsletter to Vita DeMarchi at [vdemarchi@secor.com](mailto:vdemarchi@secor.com).



#### **A Snippet About the Red Planet**

High-resolution images of Mars show that there is no evidence of shorelines that would have surrounded ancient oceans on the red planet, according to research published in the Oct. 1 issue of Geophysical Research Letters.

Images of Mars taken by the Viking missions in the 1970s suggested that giant oceans once covered much of the planet's Northern Hemisphere. The images showed terrain features suggestive of shorelines.

The new images of the same areas, taken by the Mars Global Surveyor in 1998, are five to 10 times sharper than the Viking images and show that none of the areas appear to have been formed by the action of water in a coastal environment. [Copyright 1999, Environmental News Network, All Rights Reserved]

#### ***DID YOU NOTICE? WE CAN'T FIND THE CNYAPG SLIDE PROJECTOR?***

If anyone knows the whereabouts of the projector, please contact Vita DeMarchi or Buck Gabriel at 315.475.9204.

# Calendar

Wednesday, November 17<sup>th</sup>

Thursday, November 18<sup>th</sup>

Thursday, December 16<sup>th</sup>

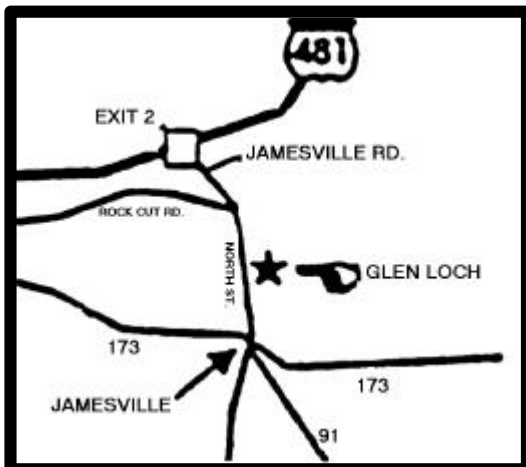
January 2000

February 2000

March 2000

April 2000

May 2000



Hudson Mohawk Professional Geologists Association presents "A Probable Buried Impact Crater Beneath Panther Mountain, Catskill Mountains, NY, and Its Hydrocarbon Potential," by Yngvar W. Isachsen of NYS Geological Survey. For more information, contact Dianne Trianni at 518.783.1805.

CNYAPG meeting at Glen Loch Restaurant, 4626 North Street, Jamesville, NY (315-469-6969). Agenda: 5 – 6:30 Social Hour (cash bar); 6:30 – 7:30 Dinner; 7:30 Dr. Fred speaks on the wonders of Mars! \$16.00, Students with I.D.s \$10.00. Join your colleagues and friends for good conversation, laughter, and further knowledge.

Have a rockin' holiday get-together with your CNYAPG friends for a Happy Hour gathering at a downtown Syracuse location to be determined.

CNYAPG Meeting...Speaker to Be Announced. Watch for your December newsletter

CNYAPG Meeting with Dr. Daniel Nelson, an S.U. professor, will share his cutting-edge research on the Earth's mantle beneath Tibet.

CNYAPG Meeting: Dr. Donald Siegel, S.U. professor, returns to discuss scientific phenomena of Biblical proportion.

CNYAPG Meeting with a presentation to be determined. Watch for announcements on the Web site [www.dreamscape.com/cnyapg](http://www.dreamscape.com/cnyapg) and in future newsletters.

CNYAPG Meeting hosts a presentation by Dr. David Fastovsky, professor from the University of Rhode Island. We'll convene at the M.O.S.T. for a big talk on the big beasts – dinosaurs.

Kudos to the Contributors!

Buck Gabriel Vita DeMarchi

Nancy Gensky Lynette Mokry

Georgia Popoff

# CNYAPG Board of Directors

## **PRESIDENT**

Buck Gabriel 315.475.9204

e-mail: [wgabriel@secor.com](mailto:wgabriel@secor.com)

## **VICE PRESIDENT**

Greg Flick 315.454.2000

## **ASSOCIATE VICE PRESIDENT**

Steve Crook 315.437.1429

## **SECRETARY/TREASURER**

Lynette Mokry 315.446.9120

e-mail: [LM@BBL-INC.COM](mailto:LM@BBL-INC.COM)

## **IMMEDIATE PAST PRESIDENT**

Vita DeMarchi 315.475.9204

e-mail: [vdemarchi@secor.com](mailto:vdemarchi@secor.com)

## **DIRECTORS**

George Kelley 315.454.2000

Nan Nelson 315.426.7461

Stuart Holzclaw 315.458.3005

Chris Gachowski 315.437.6100

## **WEBMASTER**

Gerry Gould 315.437.1142

e-mail: [ggould@dreamscape.com](mailto:ggould@dreamscape.com)

## **CNYAGP**

**P.O. BOX 567**

**DEWITT, NY 13214**

## CNYAPG MISSION STATEMENT

The CNYAPG was founded in 1993 to strengthen and advance the geologic sciences as a profession and to provide an open forum for the exchange of ideas; to promote the protection of public welfare through the professional practice of geologic sciences; to inspire and maintain the highest standards of professional conduct, business ethics, and personal honor of the membership; to foster the spirit of scientific research throughout the membership; to publish and otherwise disseminate information related to the geologic sciences and associated technologies; to maintain and encourage intra- and inter-association activities, to enhance the association's programs, and to encourage the affiliation of individual members with other scientific and technical organizations.

Visit the CNYAPG Web Site for Updates

<http://www.dreamscape.com/cnyapg>