



Chemical/Biological Terrorism: Good Science or Science Fiction?
By Mr. C.B. Melton, FMC Corporation

Believe it or not, an act of terrorism involving chemicals is nothing more than a hazmat incident with a criminal component ... more for law enforcement to do than direct traffic and eat donuts ... and the most dangerous weapons of mass destruction (WMDs) are already in your communities. Are you ready? Do you know what they are and where they are? Explore the scientific and practical response to incidents involving chemical and biological agents from many perspectives: the chemist, the biologist, the manufacturer, and the emergency responder. The strategies for handling these incidents are far less complicated than they have been made out to be. Learn how to protect yourself and your community from both the real WMDs and the *science fiction* that surrounds this topic.

Mr. C. B. "Buzz" Melton is a Senior Environmental Engineer with FMC Corporation's Agricultural Products Group in Baltimore, Maryland. Buzz holds Bachelor of Science and Master of Science degrees in chemistry and environmental science from Johns Hopkins University in Baltimore. Buzz retired from the Baltimore City Fire Department in 1995, following 23 years of service, including 12 years as a Battalion Chief. Buzz is a professional member of the American Society of Safety Engineers, the American Chemical Society, and the National Fire Protection Association. Buzz is a member of the teaching faculties at Johns Hopkins University and University of Maryland School of Pharmacy in Baltimore, where he teaches

undergraduate and graduate courses in environmental science, chemistry, and emergency medicine.

This meeting will be a **joint meeting with the ASCE**, and will take place on **Thursday, November 8** at the Genesee Inn, 1060 East Genesee Street, Syracuse, NY. From 4:30 p.m. to 5:30 p.m. there will be a short course on packer testing sponsored by Parratt-Wolff, Inc. See next page for more details. There will be a cocktail hour from 5:30 p.m. to 6:30 p.m. Dinner will be at 6:30 p.m. and our featured speaker, Mr. Melton, will begin his talk at 7:30 p.m. The cost of dinner is \$17 for members, \$20 for non-members and \$15 for student members. Please RSVP by Monday, November 5 to Bonnie at Parratt-Wolff via e-mail at bolney@pwinc.com or 437-1429.

Directions to Genesee Inn: To get to the Genesee Inn, take the Teal Avenue exit south from Route 690. Go approximately 1 mile (crossing Erie Boulevard) and turn west onto Genesee Street. The inn is on the south side of the street, between Crouse and University Avenues. The phone number of the Inn is 476-4212.

Our December meeting Our December meeting will take place on Thursday, December 13, 2001 at the Genesee Inn. Dr. Bruce Selleck of Colgate University will discuss modeling of the Tully Valley groundwater system using MODFLOW. More details about this presentation will be provided in next month's newsletter.

Calendar

Thursday, November 8, 2001	CNYAPG Monthly Dinner Meeting, Genesee Inn, Syracuse. Mr. C.B. Melton, FMC Corporation, " <i>Chemical/Biological Terrorism: Good Science or Science Fiction?</i> " Parratt-Wolff short course on packer testing begins at 4:30 p.m. Cocktails at 5:30 p.m. Dinner at 6:30 p.m. Speaker at 7:30 p.m. Joint meeting with ASCE.
Wednesday, November 14, 2001	BAPG Monthly Dinner Meeting, TBA. Little White House Restaurant. Contact Carol Yamarino at (716)684-8060 or e-mail cyamarino@ene.com
November 30 to December 2, 2001	NYSGA 73rd Annual Meeting , Lamont Doherty, Palisades, NY. Contact Dr. Paul E. Olsen at (845)365-8491 or via e-mail at polsen@ldeo.edu ?subject=NYSGA Meeting. PLEASE NOTE SCHEDULE CHANGE.
Thursday, December 13, 2001	CNYAPG dinner and talk at the Genesee Inn, Syracuse. Dr. Bruce Selleck of Colgate University, " <i>Tully Valley Modeling.</i> "



OUR PRESIDENT'S VOICE By Bill Morrow

CNYAPG's fall programming schedule is off to a great start. We had about 50 geologists and friends spend a wonderful September evening at Clark Reservation. Dr. Bryce Hand shared with us a first-hand look at the local stratigraphic section, while illuminating us about the rich depositional history exposed in the Park's bedrock exposures. Our second meeting was a little more formal as it was held at the Genesee Inn. Bill Kappel was his usual animated self and did a great job giving the large audience the history of the Salt City and the entire Tully Valley. A masterful storyteller, Bill did a great job weaving the development of the salt industry with the Tully Valley's hydrogeology.

CNYAPG would also like to thank Columbia Analytical for their informative short-course on passive diffusion bag samplers. About 20 folks attended this program. Parratt-Wolff will be giving a similar type of presentation next month. Please contact Chris Gachowski if you have any ideas for future short-course programs.

I look forward seeing each of you at our November meeting. Given the events of September 11th, the topic is very fitting to all scientists and engineers working in America. As a scientist, I'm sure you often have friends and family turn to your opinions regarding hazardous materials. Here is a chance to stay informed. I look forward to seeing you soon!

Congratulations to Ernie Muller!

At our September meeting, Dr. Ernest Muller was awarded by the Board of Directors "Honorary Life Membership" to CNYAPG. Prior to presenting the award, Ed Hinchey delivered a great testimonial about Ernie, his family, and his many contributions to the local community. I would strongly to encourage you to read the full testimonial that can be found on our website www.dreamscape.com/cnyapg/. The three-page testimonial is a "must-read" for anyone who has had Dr. Muller as a teacher, worked with him as a fellow researcher, or simply calls him a friend.

A Practical Guide to the Use of Packers (a.k.a. Packer Testing 101)

Presented by Parratt-Wolff, Inc., November 8, 2001 – 4:30 to 5:30 PM, Genesee Inn, Syracuse

Parratt-Wolff will be offering a one-hour short course on the many uses of packers. These tools are useful to both the engineer and geologist to collect various forms of data. They can also be used to guide the injection of fluids into subsurface formations. If you want to learn something new (i.e. put a new "tool" in your toolbox) or want to refresh yourself about the use of packers, please join us for this course. The course will be divided into five sections:

- An introduction to a packer(s) and the associated equipment,
- How to use packers to collect discrete groundwater samples and to minimize purge volumes,

- How to use packers to help determine aquifer hydraulic parameters,
- How to use packers to control the placement of various types of grouts and fluids into a formation,
- Practical suggestions on how to write a RFP for the use of packers, and
- Projects and field approaches Parratt-Wolff would like to forget!

The program is free to those registered for the regular monthly CNYAPG dinner meeting. See previous page for additional details.

A different CNYAPG sponsor's ad will be posted in each issue of the Technologist. In addition to monthly participation in the Technologist, CNYAPG prepares a September, December, and April newsletter for its members. For more information regarding CNYAPG, please contact Bill Morrow, President (315.437.1429, wmorrow@pwinc.com) or Lynette Mokry, Secretary (315.446.9120, LM@BBL-INC.COM).

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