

The Blue Ridge Chemist

The Blue Ridge Chemist, since 1947 the
Official Local Section Publication of the
Virginia Blue Ridge Section, American Chemical Society



VOLUME LXI

September 2008

No. 6



**Tinctures, Tonics, and Patent Medicines:
A History of Commercialized Quackery**

Hollins University Hosts September Joint Meeting with CICH

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VIRGINIA BLUE RIDGE SECTION AMERICAN CHEMICAL SOCIETY

618th SECTION MEETING
Hosted by Hollins University
A Joint Meeting with AIChE

Thursday, September 18, 2008

PROGRAM:

5:30-6:00 Social Time, Ballator Gallery, Moody Center
6:00-7:00 Dinner, Ballator Gallery, Moody Center
7:00-8:00 Talk, Ballator Gallery, Moody Center

The social time, dinner, and talk will take place in the Ballator Gallery of the Moody Center. The speaker will be Dr. Ned Heindel, talking on "Tinctures, Tonics, and Patent Medicines: A History of Commercialized Quackery".

The meal will be chicken cordon bleu, vegetable Napoleon, rice pilaf, green beans and almonds, tossed salad, rolls, and apple pie. Cost for the dinner is \$14.00, with students and retired ACS members being half price.

Reservations for the meal must be made by THURSDAY, SEPTEMBER 11, SEVEN DAYS BEFORE THE MEETING, by phoning Dan Derringer at 540-362-7433, or by e-mail to dderringer@hollins.edu, or by mail to Dan Derringer, Hollins University Department of Chemistry, P.O. Box 9578, Roanoke, VA 24020, or phoning Judy Snyder at 540-362-6543.

Dr. Ned Heindel

Professional activities: President, American Chemical Society (Washington, D.C.), 1994; director, American Chemical Society (Washington, D.C.), 1985-1996; director; Council for Chemical Research, 1995-1999; Board Member, IUPAC-USA, 1995-2001; Board Member, Chemical Sciences Roundtable-National Academy of Sciences, 2001-present; director; Centcom Advertising, Ltd. (Westport, CT), 1987-1995; trustee, Northampton County Historical Society; 1989-present; trustee, Keystone Junior College (1975-89) trustee, Chemical Heritage Foundation (Board then Heritage Council), 1986-present; member, Journal Pharmaceutical Science board (to 12/90); member, Bioconjugate Chemistry board (to 12/03); chairman, Chemical & Engineering News board (1988, 1992-93; member 1994-95); consultant, Unimed Pharmaceuticals, Somerville, NJ, 1989-1995; consultant, Digestive Care, 1992-present; consultant, Bio-ProX, 1995-1997; consultant, DCV Pharmaceuticals, 1998-2000; consultant Serenix Pharmaceuticals, 1999-present; consultant, National Museum of American History, Smithsonian Institution, Washington, D.C.; 1990-present; consultant, Air Products and Chemicals, Allentown, PA, 1991-present; consultant, Apollon Corp., Malvern, PA, 1992-1995. Education/Degrees: Lebanon Valley College, B.S. cum laude, 1959 (Chemistry/Math); University of Delaware, Ph.D., 1963 (Organic Chemistry); Princeton University, fellow, 1964 (medicinal Chemistry); Lebanon Valley College, honorary D.Sc. 1985; Albright College, honorary D.Sc., 1993. Experience: instructor, University of Delaware, 1962-63; visiting fellow, Princeton University, 1963-64; assistant professor, Ohio University, 1965; assistant professor,



Marshall University, 1964-66; assistant, associate, full professor of chemistry, Lehigh University, 1976-present; professor of nuclear medicine, Hahnemann University, 1971-present; director, Center for Health Sciences, Lehigh University, 1980-87. Honors: Robinson Award (1969), Brody Award (1978), H. S. Bunn Distinguished Chair in Chemistry (1985-Present), Who's Who in America (1886-present), Brady Cancer Achievement Award (1989), Henry Hill Award in Medicinal Chemistry (1997), Mosher Award for Contributions to Chemistry (1996), Ben Franklin Partnership Award for Corporate Consulting (2002).

Tinctures, Tonics, and Patent Medicines: A History of Commercialized Quackery

While folk medicines and natural product derivatives have, in many cases, proven a fruitful source of modern, medically accepted therapeutics, they have also proven an abundant source for quackery. From Dr. Bateman's Pectoral Drops, recommended for "rheumatism, afflictions of the stone, gravel agues, the hysterics", to Munyon's Miracle Kidney Cure, which was claimed to "cure Bright's disease, all urinary problems, and pain in the back and groins from kidney diseases", the 19th century witnessed nearly unbelievable excesses in pharmaceutical advertising. Beginning in colonial America and extending to the passage of the Pure Food and Drug Act, a plethora of quack pharmaceutical manufacturers produced and aggressively marketed home remedies of dubious origin and questionable chemical purity. Whether the ingredients were opium and ethanol or simple milk sugar, no regulations governed their manufacture or sale. Dr. Heindel will trace the birth of America's patent medicine industry in the late 18th century and its heyday of unregulated commercial success in the 19th century. The role of chemistry in the production, analysis, and eventual legal regulation of patent medicines will also be treated.

Congratulations to the AIChE for Its Centennial

The Virginia Blue Ridge Section of the American Chemical Society would like to offer a heartfelt congratulation to the AIChE (American Institute of Chemical Engineers) as they celebrate the centennial of their founding. During the centennial they will be celebrating the past, while looking to the future incorporating contributions from student members and content especially for younger students. There isn't a single facet of modern life that chemical engineers haven't touched. And AIChE members have been part of almost every major development from plastics and fibers to unleaded gasoline to nuclear and even solar power. If it's modern, chemical engineers helped make it happen. To learn more visit: <http://www.aiche.org/uploadedFiles/About/DepartmentUploads/PDFs/mileposts.pdf>

25 years of ChemMatters on one CD!

Looking for ways to make high school students excited by the fascinating chemistry of their everyday lives? Explore the extensive 25-year archive of ChemMatters, the award-winning magazine for high school students. All the issues of ChemMatters published through April 2008 are available on one CD! Search for your favorite chemistry topics by browsing through the various issues of ChemMatters and their corresponding ChemMatters Teacher's Guides. The price of the CD is only \$30! You can order it by calling 1 (800) 227-5558 or by visiting ChemMatters' Web site: <http://www.acs.org/chemmatters>.

For more information about this resource and other ACS high school chemistry resources, please visit the ACS Education website at www.acs.org/education (under "Educational Resources," then "High School") or e-mail Marta Gmurczyk at m_gmurczyk@acs.org.

Attention Primary and Secondary Educators and Students!!

The American Chemical Society is sponsoring a poster contest for students in grade K-12. This year's theme is "Having a Ball with Chemistry". Students are invited to create a poster that celebrates the 2008 theme "Having a Ball With Chemistry" focused on chemistry and sports with an emphasis on chemistry/chemical principles or concepts in different sports and sporting equipment. Guidelines can be found on the ACS website at:

http://portal.acs.org:80/portal/fileFetch/C/WPCP_010441/pdf/WPCP_010441.pdf

In addition to the national contest, selected submissions will be displayed at the October 15 Virginia Blue Ridge Section meeting at Ferrum College. The section will award prizes for the winning poster in each grade category as outlined in the official rules. Posters must be submitted to the section by October 3, 2008. Posters can be submitted to the following locations:

New River Valley: Joe Wirgau, Radford University,
jiwirgau@radford.edu, (540) 831-5650

Roanoke: Ben Huddle, Roanoke College,
huddle@roanoke.edu, (540) 375-2440

Lynchburg: Bill Lokar, Lynchburg College,
lokar_w@lynchburg.edu, (434) 544-8631

Franklin County: Dave Johnson, Ferrum College,
djohnson@ferrum.edu, (540) 365-2602

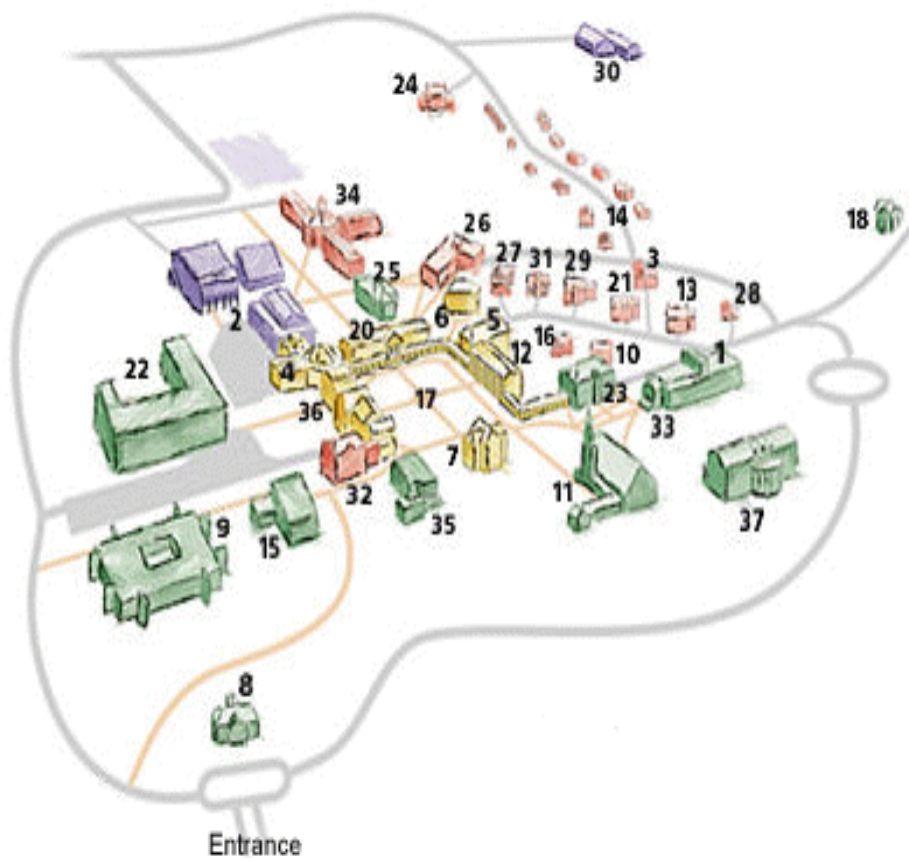
For additional information, please contact Bill Lokar (lokar_w@lynchburg.edu, (434) 544-8631) or see the ACS website above.

Directions to Hollins University

From I-81, take the Hollins exit (146) south to Peters Creek Road and turn left. The entrance to Hollins University is a little more than half a mile and is on the left.

The meeting is in the Ballator Gallery of the Moody Center (Building #22)

Map of Hollins University



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THE BLUE RIDGE CHEMIST
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Roanoke College
Salem, VA 24153

The next Blue Ridge Section meeting will be Tuesday, October 15 at Ferrum College. Our speaker will be Dr. J. Keith Butler, speaking on "Military Explosives". The contact person is Dave Johnson.