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PSNA Executive Committee 1997-98

Dr. Rachel Mata
Past- President, PSNA
Facultad de Quimica
Univ. Nac. Autónomica de México
Apartado Postal 70-243
Coyoacán 045 1 0, México, D.F., MÉXICO
(5) 622-5289 (phone)
(5) 622-5329 (fax)
rachel@servidor.unam.mx

Dr. W. Dennis Clark
Secretary, PSNA
Department of Plant Biology
Arizona State University
Tempe, AZ 85287-l 601, USA
(602) 965-4482 (phone)
(602) 965-6899 (fax)
dennis.clark@asu.edu

Dr. Vincenzo De Luca
President, PSNA
Université de Montreal
Institut Botanique
Montreal, QC, CANADA, H1X 2B2
(514) 872-8492 (phone)
(514) 872-3765 (fax)
delucavi@ere.umontreal.ca

Dr. Cecilia A. McIntosh
Treasurer, PSNA
Department of Biology
East Tennessee State University
Johnson City, TN 37614-0703, USA
(423) 929-5838 (phone)
(423) 929-5958 (fax)
mcintosc@etsu.edu

Dr. John T. Romeo
Editor-in-Chief, PSNA
Department of Biology
University of South Florida
Tampa, FL 33620, USA
(813) 974-3250 (phone)
(813) 974-3263 (fax)
romeo@chuma.cas.usf.edu

PSNA Advisory Committee

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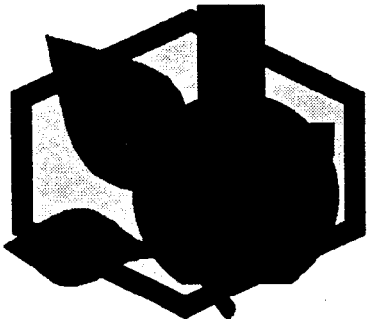
PSNA Newsletter

Editor: **Dr. W. Dennis Clark**



The Phytochemical Society of North America is a nonprofit scientific Organization whose membership (currently over 400) is open to anyone with an interest in phytochemistry and the role of plant substances In related fields. Annual membership dues are U.S. $20 for regular members and $10 for student members. Annual meetings featuring symposium topics of current interest and contributed papers by conference participants are held throughout me United States, Canada, and Mexico. Still a specialist organization despite its broadened interests, PSNA meetings are small enough to offer informality and intimacy that are conducive to me exchange of ideas. A newsletter is circulated to members several times a year to keep them informed of upcoming meetings and developments within the Society. If you would like additional information about the PSNA or if you have material to be included in me newsletter, please contact me PSNA Secretary. Annual dues and changes in addresses should be sent to me PSNA Treasurer. Also see the PSNA homepage, currently at: http://www.fiu.edu/orgs/psna.

Poster Paper 27

Fred L. Tobiason[1], R.W. Hemingway[2] and T. Hatano[3], [1]Department of Chemistry, Pacific Lutheran University, Tacoma, WA 98447 USA; [2]Southern Research Station, USDA Forest Service, Pineville, LA 71360 USA; [3]Okayama University, Tsushima, Okayama, 700, JAPAN

CONFORMATIONAL DYNAMICS OF PROANTHOCYANIDINS: PHYSICAL AND COMPUTATIONAL APPROACHES

The interaction of plant polyphenols with proteins accounts for a good part of their commercial (e.g. leather manufacture) and biological (e.g. anti-microbial activity) significance. The interplay between observations of physical data such as crystal structure, NMR analyses, and time-resolved fluorescence with results of computational chemistry approaches has been essential to any success we have had in this effort, Examples of critical steps that demonstrate the importance of combining physical data with computational chemistry, are summarized. Both measurement of physical properties and computational studies are required if we are to make progress in our understanding of the interactions between polyphenols and proteins.