



The Chemical Record

Volume 48, Number 2 - March, 2006

Columbus Section of the American Chemical Society, Inc.

George W. Greene, Editor -- Tom Weeks, Section Chair

www.acscolumbus.org -- chemicalrecord@yahoo.com

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Please Save These Dates for the Columbus Section of ACS

The next two monthly Section meetings are listed below; please see additional activities in the calendar on Page 9 and the March meeting notice on Page 2. Your Columbus Section offers something for everyone.

Tuesday, March 14, 2006 – Section Meeting: Professor Mike Paulaitis, Ohio Eminent Scholar will cover the latest updates in nanobiotechnology and molecular assembly. 6:00 pm, Battelle. See details on Page 2.

Thursday, April 20, 2006 -- Section Meeting: Chris Weghorst, PhD, *Black Raspberries and Cancer Prevention*.

Please visit our website, www.acscolumbus.org, for meeting updates and other important Section information.



MEETING NOTICE

COLUMBUS SECTION OF THE AMERICAN CHEMICAL SOCIETY, INC.

Joint Meeting with the American Institute of Chemical Engineers and Instrumentation in Safety Applications

<http://www.acscolumbus.org>

Tues., Mar. 14, 2006

Protein Microarrays for Characterizing Diverse T-Cell Populations

Michael E. Paulaitis, Ohio Eminent Scholar and Professor, Chemical and Biomolecular Engineering, Ohio State University

Battelle
505 King Avenue
Columbus, Ohio 43201
<http://www.battelle.org>

5:30 – 6:30 PM	Social Hour/Registration at Battelle Memorial Institute: Chips, pretzels, soda, and water will be served. Beer and wine will be available on a cash basis. In order to have available appropriate quantities, please signify on your reservation if you intend to purchase beer or wine. This indication will not require you to purchase alcohol but will serve only as a guideline for quantities needed.
6:30 – 7:30 PM	Dinner at Battelle Memorial Institute.
7:30 PM	Program: Dr. Michael E. Paulaitis
Menu	Buffet: California Chicken that is oven baked and topped with sautéed mushrooms, artichoke hearts, and red grapes served in a white wine sauce OR grilled vegetable plate. Served with salsa verde, wild rice and orzo pilaf Garden salad Dinner rolls and drink (tea, water, soda), and a chocolate fudge brownie
Cost	Members and Nonmembers \$20.00 Retired and Unemployed members \$18.00 Students \$5.00 Payment will be collected at the door; cash and checks accepted.
Reservations	NOTICE – Due to security issues, only people with reservations will be able to attend this meeting. Please bring a government issued photo ID to be admitted into Battelle. Seating is limited. Reservations are on a first come, first served basis. If you wish to attend only the program, at no cost, reservations are still required. Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations*. Alternatively, please send e-mail to The Columbus Section at the following e-address: acscols@cas.org



*Voicemail/e-mail Reservations Template	<ul style="list-style-type: none">• First and last name: Please spell last name.• Society membership: ACS, AIChE, or ISA• Membership category: member, nonmember, retired, emeritus, unemployed, student, other• Employer or, if student, university• Country of Citizenship (required by Battelle)• Dinner and lecture or lecture only• Chicken or Grilled Vegetable Plate• If you intend to purchase beer or wine, please signify specifically which. This indication will not require you to purchase alcohol but will only serve as a guideline for quantities needed.• Your phone number, in case we need to contact you.
Reservations Deadline	<u>Monday, March 6, 2006, by 5 PM.</u> Your reservation is a dinner order that must be paid. Please help us to control costs by honoring your order.
Program Contact	Jennifer Sellman (614) 424-3208 sellmanj@battelle.org
Directions	<ul style="list-style-type: none">• From SR 315 southbound, go to the Kinnear Road exit. Turn left at the light at the end of the Kinnear Road exit ramp. Kinnear Road turns into Olentangy River Road. Take Olentangy River Road to King Avenue (approximately one mile) and turn left (east). Turn right (first stop light) into Battelle's main entrance. Visitor parking is available on the right.• From SR 315 northbound, go to the Medical Center Dr./King Ave. exit. Follow the exit ramp to the traffic light. At the traffic light turn right onto Cannon Dr. and get into the middle lane. At the next traffic light you will be directly across from Battelle's main entrance. Go in the entrance and turn right to visitor parking.

About the Topic

High throughput protein microarrays for screening protein-protein interactions have promising applications in medical diagnostics, vaccine development, treatment of autoimmune diseases, and the detection of potential agents of bioterrorism. We are applying this technology to rapidly scan and screen diverse populations of T cells. Our approach is to use novel surface patterning techniques to immobilize on microarrays certain proteins that selectively bind specific receptors on the surface of T cells. The specific application we have in mind is characterizing the human immune system response to influenza, a pathogen considered to have high potential as an agent of bioterrorism.

One important advantage of using protein microarrays for this purpose is that the molecular recognition event of interest is the interaction of the T-cell receptor (TCR) with a complementary major histocompatibility complex (MHC), mediated by a small peptide ~ 8-10 amino acids in length. The specificity of the TCR/peptide-MHC interaction is determined by the amino acid sequence of the peptide, and therefore, can be controlled precisely and quantitatively. T cells are also defined by a single, unique T-cell receptor; therefore, a microarray consisting of peptides with different amino acid sequences serves to distinguish T cells by their characteristic receptors.

The successful development of peptide-MHC-chips depends critically on several factors: our ability to devise surface patterning techniques that are reliable and reproducible, our ability to accurately characterize the microarray surfaces independently from their efficacy for capturing T cells, and ultimately, our ability to translate the large volume of complex information obtained from these high-throughput experiments into a detailed mechanistic understanding of the human



immune system response, an understanding manifested in terms of experimentally verifiable models with substantial predictive power. Our successes and failures in addressing these challenges, as well as an outlook to potential applications, will be presented in this talk.

About the Speaker

Dr. Paulaitis is an Ohio Eminent Scholar and Professor in the Department of Chemical and Biomolecular Engineering at The Ohio State University. He has a joint appointment as Professor and Director of the Institute for Multi-Scale Modeling of Biological Interactions at the Johns Hopkins University. His research has included computational biology and genomics, protein solution thermodynamics, high pressure phase equilibria, and supercritical fluids. He has published over 115 research papers in refereed science and engineering journals; one U.S. patent; and three books. Dr. Paulaitis has consulted for numerous chemical and petrochemical companies – including Du Pont, Procter & Gamble, Dow Chemical, and Gulf Research & Development – and has served as an expert witness. He was also a fighter pilot and instructor for the U.S. Air Force.

Dr. Paulaitis received his B.S. in Chemical Engineering from Princeton University in 1968; an M.S. in Chemical Engineering from Stanford University in 1970 and his Ph.D. in Chemical Engineering from the University of Illinois in 1976. In addition to being named an Ohio Eminent Scholar, Dr. Paulaitis won an NSF Presidential Young Investigator Award and a Humboldt Fellowship.

2008 Central Regional ACS Meeting Coming to Columbus

The 2008 meeting of the Central Region of the American Chemical Society will be held in Columbus, sponsored by Ohio State University and the Columbus Section of ACS. Contact Jimmy Cowan, cowan@chemistry.ohio-state.edu, if you would like to help organize the meeting.

Membership Is for Everyone

Becoming a member of the ACS means becoming a part of the world's largest scientific society, an organization that's more than 158,000 members strong. The ACS provides a multitude of information, educational, financial, technical and professional opportunities for its members. The Society's 33 technical divisions cover the entire spectrum of the chemical world and the 189 Local Sections allow you to participate in local events and meetings throughout the year.

Please either complete the Membership Application online (at <https://acswebapplications.acs.org/applications/acsmembership/join.cfm>) or download the application in PDF and mail or fax it to: American Chemical Society, Member & Subscriber Services, PO Box 82229, Columbus, OH, 43202-9906. Phone: 800-333-9511; E-mail: service@acs.org

Welcome New Members

Compiled by George Noethlich, Membership Chair

Please join us in welcoming the following new members who have joined the Section recently:

CHRISTOPHER P JARONIEC
JOHN B LUTZ
YING PENG

IRIS B AILIN-PYZIK
KEITH QUISENBERRY
MOHAMMED TAZI

TOMASZ TOMASZEWSKI
HUIJUN XIN
TANYA L YOUNG

New members are invited to attend their first Section meeting dinner free of charge.



Chemists Celebrate Earth Day



Chemists Celebrate Earth Day

a program of the American Chemical Society

April 22, 2006

Theme: "Dig It!"



Community Event

"Plant It for the Planet"

The 2006 Community Event for Chemists Celebrate Earth Day is "Plant It for the Planet". Celebrate the chemistry of the soil and plants by hosting activities that will benefit the community like planting flowers, trees, grass, etc. This activity will bring the community together for a fun-filled day!

K-12 Contest

Illustrated Haiku Contest

Students are asked to write and illustrate a haiku using the Chemists Celebrate Earth Day 2006 theme, "Dig It!" Detailed rules and guidelines are published at the Chemists Celebrate Earth Day website (chemistry.org/earthday).

A haiku is a three-line poem with five syllables in the first line, seven in the second, and five in the third. Haikus typically have nature-related themes and do not rhyme.

College Contest

Video Contest

Undergraduate students will be asked to create a video that incorporates an activity relevant to the theme. It can be a music video or a video montage of any sort. Guidelines will be posted on chemistry.org/earthday.

Educational Resources

chemistry.org/earthday

Look for hands-on activities, safety guidelines, correlation with science education standards, and related articles on the Chemists Celebrate Earth Day website; book and electronic resource lists will also be available on the site courtesy of the Chemists in the Library Working Group. There will be a web-based interactive game available as well. Help Avogadro and Milli clean and test water and learn about what removes dirt and how bacteria can be eliminated.

Journal of Chemical Education

The *Journal of Chemical Education* has dedicated their February 2006 issue to green chemistry, environmental chemistry, and the celebration of Earth Day. The *Journal* is packed with references to make your celebration a success!

Chemists Celebrate Earth Day Products

Promotional products for Chemists Celebrate Earth Day such as pencils, mole temporary tattoos, seeded paper bookmarks, and wrist bands are available for purchase through the ACS online store.

chemistry.org/store

American Chemical Society – Office of Community Activities
1155 Sixteenth Street, NW – Washington, DC 20036
earthday@acs.org – 800-227-5558, ext. 4458

If you have questions about this program or you would like to participate in the local celebration, please contact "Professor Jeff" Trent, Section Kids & Chemistry Coordinator, at jtrent@csc.edu.



SILVER CIRCLE

By Tom Weeks



The ACS has noted that older and/or retired chemists often have different interests than those in full career. Thus the Silver Circle program was established to meet the needs of those members (see www.chemistry.org and search for silver circle). Over one third of Columbus Section membership is age 55 or older. Thus, we recently sent a survey to all members in this cohort to determine their interest in forming a Silver Circle group which would have luncheon meetings on a variety of topics.

Response to our survey was a surprisingly high 20%. About 65 people, out of the 110 respondents, had no interest due to being fully employed, having other interests, or having poor health. The 45 people who expressed an interest in luncheon meetings preferred, by a significant margin, quarterly meetings, lunches costing between \$12-15, and topics related to science and technology. Other topics of interest included volunteer opportunities and presentations related to financial and medical areas. It was especially noteworthy that about 15 people volunteered to be on the program committee.

This committed base suggests that a Silver Circle group can be successful in Columbus. Over the next several months the organizing committee of Tom Weeks and Paul Guevin will contact those interested in serving on a program committee and determine a time, topic and place for our first meeting. I anticipate that our first meeting will occur in April.

Acknowledgement: We thank Maria Rosenthal, Chemical Abstracts Service, the CAS mailroom, and Terry Huston for overseeing and conducting the printing and mailing operations which allowed the survey to be run in a cost effective manner.

This article was written by Tom Weeks and any questions can be directed to him. weeks.tj@gmail.com.

State Science Day

By Bob Kroshefsky

On Saturday, May 6th, State Science Day 2006 will be hosted by The Ohio State University at its French Field House in Columbus – just up the road from the Shoe. Since 1998, as part of its commitment to chemical education at all levels of the community, the Columbus Section of the American Chemical Society has sponsored awards in the Grade 7-9 and 10-12 groups for outstanding projects in the chemical sciences. The objective is to acknowledge and reward those students who have not only understood the scientific method, but also have exhibited creative thought.

Clearly, these students are some of the best that Ohio has to offer and already are showing an interest in chemistry. What better way to encourage budding scientists and expose these youngsters to the human face of the chemical enterprise? It might also be a good way to do early recruiting for future undergraduate students and interns.

WE NEED YOUR HELP!!!

As you can imagine, the number of projects is large (~140) and we need judges to evaluate them and decide on the award winners. While being a chemist or ACS member is not required, certainly a general knowledge of some branch of chemistry is desirable. After all, a Ph.D. inorganic chemist may not remember much more about the Krebs cycle than its name. I know that I don't, anyway. But even limited knowledge in one area can be supplemented and effectively utilized through interactions with judges having complementary skills.



Judging is scheduled from 9:00 a.m. to noon. Refreshments and orientation will occur from 7:00 to 8:30 a.m., and you really need not be there much before 8:00 a.m. in order to get a clear idea of what will be happening that morning. All of the judges in the past few years have thoroughly enjoyed their SSD experience.

Please consider taking one morning out of the entire year to offer advice and encouragement to youngsters who could be taking the first steps in an illustrious career. If you would enjoy the opportunity to meet the next generation of chemical scientists, e-mail me at bobkro@urec.net or call me at 937-644-3979.

Refer to the websites of the Columbus Section <http://www.acscolumbus.org> and The Ohio Academy of Science <http://www.ohiosci.org/ssd.htm> for more details.

Academic Position



Anticipated one year CHEMISTRY teaching position available at Otterbein College, a liberal arts institution in the Columbus, OH area. ACS-approved department seeks to fill a full-time position with benefits beginning Sept '06. Instruction responsibilities will involve participation in general chemistry and the candidate's area of specialization. A PhD and commitment to teaching excellence are required. All subfields will be considered. Please send application, including CV and three letters of reference, to Krystin Macaluso, Administrative Assistant, Academic Affairs, Otterbein College, One Otterbein College, Westerville, OH 43081. Review of applications will continue until position is filled.

Thoughts to Ponder

If you do what you have always done, you will get what you have always gotten. --Anthony Robbins

To reach a port we must sail, sometimes with the wind and sometimes against it. But we must not drift or lie at anchor.
--Oliver Wendell Holmes

If the going is easy, beware, you might be headed down hill. --Anonymous

Obstacles are those frightful things you see when you take your eyes off your goals. --Anonymous

Whether you think you can or think you can't - you are right. --Henry Ford



2006 Columbus Section Officers and Committee Chairs
Compiled by Tom Weeks and Jodie Harper

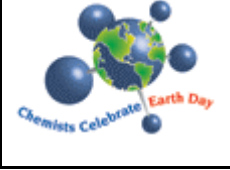

Chair	Tom Weeks	weeks.tj@gmail.com
Chair-Elect	John R. Long	jrlong@gschemicals.com
Immediate Past Chair	Jodie Harper	jaharper29@hotmail.com
Secretary	Karen Irving	Irving.8@osu.edu
Treasurer	Tom Tomaszewski	ttomaszewski@cas.org
Treasurer-Elect	Fred Costaschuk	fcostas@cgate.net
Councilors	Theresa Huston Maria Rosenthal Don Songstad	thuston@cas.org mrosenthal@cas.org dsongstad@cas.org
Alternate Councilors	James Cowan Ed King Jeff Trent	cowan@chemistry.ohio-state.edu eking@cas.org jtrent@cscs.edu
ACS Communications	Maria Rosenthal	mrosenthal@cas.org
Archives	Steven Rosenthal	srosenthal@cas.org
Bylaws and Statutory Agent	Steven Rosenthal	srosenthal@cas.org
Chemistry Olympiad	Beth Eddy	eddyb@westerville.k12.oh.us
College Students		
Columbus Section Award	Lewis Hogarth	hogarthl@ohiodominican.edu
Communications		
Coordinator	Maria Rosenthal	mrosenthal@cas.org
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Electronic Communications	John Todd	jtodd@cas.org
Webmaster	Stephen A. Renner	srenner@cas.org , sarenner@columbus.rr.com
Web Design/ Update	Jianyong Zhu	jianyong_zhu@yahoo.com
Education	Ted Klupinski	tpklist-chem@yahoo.com
Fifty-Year Member Coordinator	Wendy Reichenbach	wreichenbach@cas.org
Finance	Open Position	
High School Chemistry Teacher Affiliates Group	Jeff Bracken	bracken.5@osu.edu
Hospitality	Gordon Renkes	grenkes@chemistry.ohio-state.edu
Intersociety Activities	Jerry Boone	3581 Paris Blvd. Westerville, OH 43081-4237 614-891-4126
Kids and Chemistry	Jeff Trent	jtrent@cscs.edu
Mentoring/Minority Affairs	Amanda Hofacker	ahofacke@chemistry.ohio-state.edu
Membership	George Noethlich	gnoethlich@wowway.com 614-890-4924
National Chemistry Week	John Blaha	jblaha@cscs.edu
Nominations	Andrea Arnett	aarnett@kforce.com
Patterson-Crane Award	Theresa Huston	thuston@cas.org
Program Committee	Tom Weeks	weeks.tj@gmail.com
Project SEED	Open	
Regional Meeting General Chair	Jimmy Cowan	cowan@chemistry.ohio-state.edu
State and Local Government Affairs	Manfred Luttinger	luttinger@battelle.org
Silver Circle	Tom Weeks	weeks.tj@gmail.com
State Science Day Coordinator	Bob Kroshefsky	bobkro@urec.net
Tellers Committee	Norman Rearick	normrearick@earthlink.net
Younger Chemists Committee Chair	Karen Barger	kbarger@kforce.com

The Executive Committee comprises the Chair, Chair-Elect, Immediate Past Chair, Secretary, Treasurer, Treasurer-Elect, Councilors (3), and Alternate Councilors (3). A quorum, required in order to transact business, constitutes seven of the committee members.



Columbus Section ACS Calendar of Events

Compiled by Maria Rosenthal, Jodie Harper, Tom Weeks, and George Greene

2006	February				Kids & Chemistry – Girl Scouts (Professor Jeff)
2006	March-April	Mar 4 – Apr 1		Columbus	Local Chemistry Olympiad examinations.
2006	March	14	Tue	Battelle	6:30 PM: Joint meeting with AIChE and ISA: -- OSU Professor Mike Paulaitis, Ohio Eminent Scholar in Nanobiotechnology & Molecular Self -Assembly
2006	March	25-29	Sat – Wed	Atlanta	231 st ACS National Meeting.
2006	April	TBA	TBA	TBA	Central Ohio Section AIChE Student Night
2006	April	2-3	Sun – Mon	2015 McPherson Labs, OSU	Training session for Wonders of our World (WOW) volunteers
2006	April	20	Thu	Ashland, Inc.	Section Meeting: Chris Weghorst, PhD, <i>Black Raspberries and Cancer Prevention</i>
2006	April	20-24	Thu – Mon		National Chemistry Olympiad examinations
2006	April	22	Sat	Here, There, Everywhere	 <p>CHEMISTS CELEBRATE EARTH DAY. Theme: <i>Dig It!</i> Unifying Event: <i>Plant It for The Planet</i></p>
2006	April	26	Wednesday	Clintonville Woman's Club	6:00 PM: 2006 Columbus Technical Council Awards Banquet
2006	May	TBA	TBA	TBA	Annual Section Awards Banquet: Columbus Section Award, High School Chemistry Teacher of the Year
2006	May	6	Sat	Columbus	State Science Day – ACS Awards
2006	May	16-20	Tue – Sat	Frankenmuth, MI	Central Regional ACS Meeting and 39 th Silicon Conference.
2006	July	28	Fri		Kids & Chemistry – Professor Jeff
2006	August	TBA	TBA	TBA	High School Chemistry Teachers' Workshop conducted by Jeff Bracken
2006	August	1	Tue		Kids & Chemistry – Professor Jeff
2006	September	10-14	Sun – Thu	San Francisco	232 nd ACS National Meeting.
2006	October	TBA	TBA	Chemical Abstracts Service	ACS President-Elect visits Columbus
2006	October	22-28	Sun – Sat	Here, There, Everywhere!	 <p>National Chemistry Week. <i>Your Home: It's All Built on Chemistry.</i></p>
2006	November	TBA	TBA	TBA	Section Meeting with travel awards for college students
2006	December	TBA	TBA	TBA	Joint meeting with Columbus Section of AIChE
2007	March	25-29	Sun – Thu	Chicago	233 rd ACS National Meeting.
2007	August	19-23	Sun – Thu	Boston	234 th ACS National Meeting.
2007	October	21-27	Sun – Sat	Here, There, Everywhere!	National Chemistry Week. <i>The Many Faces of Chemistry</i>
2008	June	TBA	TBA	Columbus	Central Regional Section Meeting, sponsored by Columbus Section and The Ohio State University (Contact: Jimmy Cowan, cowan@chemistry.ohio-state.edu)
2008	October	19-25	Sat – Sun	Here, There, Everywhere!	National Chemistry Week. <i>Chemistry and Sports.</i>



Highlights of 2005 Financial Report

Columbus Section American Chemical Society Operating Funds 2005 Final Summary

Income		Item	Expenses	
Budget	Actual		Actual	Budget
Income				
\$ 4,900.00	\$ 7,917.00	Section Dues	\$ -	\$ -
\$ 50.00	\$ -	Affiliate Dues (Teacher and TAG)	\$ -	\$ -
\$ 11,275.00	\$ 11,275.00	ACS Allotment	\$ -	\$ -
\$ 30.00	\$ 180.00	New Member Commission	\$ -	\$ -
\$ 200.00	\$ 101.53	Interest	\$ -	\$ -
\$ 9,140.00	\$ -	Money from Operating Allocations	\$ -	\$ -
Meetings, Etc.				
\$ 6,000.00	\$ 6,466.50	Meals	\$ 9,587.33	\$ 8,250.00
\$ -	\$ -	Receptions	\$ 136.90	\$ 300.00
\$ -	\$ -	Programs	\$ 907.78	\$ 1,500.00
\$ -	\$ -	Hospitality (Students)	\$ 623.00	\$ 1,000.00
\$ -	\$ -	Hospitality (Speaker, Retirees, etc.)	\$ 1,025.00	\$ 500.00
\$ -	\$ -	Hospitality (New Members)	\$ 80.00	\$ 200.00
\$ -	\$ -	Mini-Meetings	\$ -	\$ 600.00
\$ -	\$ 540.00	Publications	\$ 153.90	\$ 600.00
Awards				
\$ -	\$ -	High School Teacher	\$ 700.00	\$ 700.00
\$ -	\$ -	College Awards	\$ 366.50	\$ 3,250.00
\$ -	\$ -	College Juniors ACS Memberships	\$ -	\$ 350.00
\$ -	\$ -	High School Senior (CTC)	\$ 150.00	\$ 150.00
\$ 100.00	\$ -	ACS State Science Fair (OAS)	\$ 700.00	\$ 700.00
\$ -	\$ -	Chemistry Olympiad	\$ 320.00	\$ 400.00
\$ -	\$ 1,532.14	Patterson-Crane	\$ 1,532.14	\$ -
Events				
\$ -	\$ -	Chemistry Olympiad--Expenses	\$ 192.75	\$ 325.00
\$ -	\$ -	High School Teacher Award--Expenses	\$ 56.50	\$ 75.00
\$ 750.00	\$ 750.00	National Chemistry Week (NCW)	\$ 1,514.58	\$ 2,000.00
\$ -	\$ 488.00	Kids and Chemistry--Earth Day	\$ 598.57	\$ 250.00
\$ -	\$ -	ACS State Science Fair (OAS) Expenses	\$ -	\$ 75.00
\$ -	\$ 1,197.00	Miscellaneous	\$ 1,197.00	\$ 170.00
Travel				
\$ -	\$ -	Chair-Elect/YCC Chair	\$ 426.81	\$ 1,200.00
\$ 5,250.00	\$ 4,930.48	Councilors Travel (3)	\$ 6,574.00	\$ 7,000.00
\$ -	\$ -	Central Regional Steering Committee Meeting	\$ 76.95	\$ 300.00
Committees				
\$ -	\$ -	Chair Discretion	\$ 462.75	\$ 1,000.00
\$ -	\$ -	Executive	\$ 360.69	\$ 550.00
\$ -	\$ -	Archives	\$ -	\$ 250.00
\$ -	\$ -	Mentoring	\$ 71.59	\$ 2,000.00
\$ -	\$ 2,294.90	Education	\$ 2,794.90	\$ 1,000.00
\$ -	\$ -	High School Teacher Affiliates	\$ -	\$ 100.00
\$ -	\$ -	Intersociety Affairs	\$ 135.00	\$ 150.00
\$ -	\$ -	Membership	\$ -	\$ 100.00
\$ -	\$ -	Communications	\$ -	\$ 100.00
\$ -	\$ -	Younger Chemists' Committee	\$ -	\$ 900.00
\$ -	\$ -	College Coordinator	\$ -	\$ 250.00
\$ -	\$ -	Nominating Committee (Mailings)	\$ 818.38	\$ 600.00
\$ -	\$ -	Hospitality	\$ -	\$ 50.00
\$ -	\$ -	Government Affairs	\$ -	\$ 250.00
\$ -	\$ -	Public Relations	\$ 1,302.36	\$ 500.00
\$ 37,695.00	\$ 37,672.55		\$ 32,865.38	\$ 37,695.00

Current Operating Fund Balance: \$ 17,874.75



Columbus Section ACS Financial Account Performance 2005

Account	Beginning of Year Balance	End of Year Balance	Change
Operating Fund	\$ 12,754.97	\$ 17,874.75	\$ 5,119.78
Ohio Savings Bank--Patterson-Crane	\$ 12,631.02	\$ 12,716.83	\$ 85.81
Ohio Savings Bank--Columbus Section	\$ 8,386.14	\$ 8,444.02	\$ 57.88
Vanguard Wellington Fund	\$ 36,955.04	\$ 39,476.82	\$ 2,521.78
Vanguard 500 Index Fund	\$ 27,217.39	\$ 28,516.82	\$ 1,299.43
Total	\$ 97,944.56	\$ 107,029.24	\$ 9,084.68

Columbus Section ACS Fund Summary as of 12/31/05

		Allocations			Fractions		
		Operating	PatCrane	ColSecA	Operating	PatCrane	ColSecA
Index 500	\$ 28,516.82	\$ 10,836.39	\$ 7,129.21	\$ 10,551.22	0.3800	0.2500	0.3700
Wellington	\$ 39,476.82	\$ 15,001.19	\$ 9,869.21	\$ 14,606.42	0.3800	0.2500	0.3700
Operating Fund	\$ 17,874.75	\$ 17,874.75	\$ -	\$ -	1.0000	0.0000	0.0000
OhioSav (PC)	\$ 12,716.83	\$ -	\$ 12,716.83	\$ -	0.0000	1.0000	0.0000
OhioSav (CS)	\$ 8,444.02	\$ -	\$ -	\$ 8,444.02	0.0000	0.0000	1.0000
Totals	\$ 107,029.24	\$ 43,712.33	\$ 29,715.24	\$ 33,601.67	N/A	N/A	N/A

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About *The Chemical Record*

The Chemical Record, official newsletter of the Columbus Section of the American Chemical Society, Inc., is published monthly, September-December and February-May (eight issues per year.) Opinions expressed by editors or contributors do not necessarily represent the official position of the Columbus Section or of the editorial staff. We welcome your contributions to your *Chemical Record*. Please submit them via postal or electronic mail to George Greene, PO Box 360941, Columbus, Ohio 43236-0941, chemicalrecord@yahoo.com. Electronic mail contributions should be in MS Word file attachments (preferred) or plain-text messages. When preparing electronic documents, please remember that you are no longer using the old Remington typewriter so you do not need to add a carriage return at the end of each line. *Thank you very much!*

Change of Address

Changes in postal or e-mail address should be reported to the Membership Chair, George Noethlich, 2740 Bella Via Avenue, Columbus OH 43231-2305, e-mail gnoethlich@wowway.com. George will forward the change-of-address information to ACS Headquarters.

Advertising Rates

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THE CHEMICAL RECORD

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