



# The Valchemist

JOURNAL OF THE CONNECTICUT VALLEY SECTION, AMERICAN CHEMICAL SOCIETY

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## PLEASE BOOKMARK THE URL FOR THE CVS WEB SITE!

**The VALCHEMIST and items of note are posted  
there. IT WILL ALWAYS CARRY THE MOST  
UP-TO-DATE INFORMATION ABOUT CVS  
ACTIVITIES!**

**<http://membership.acs.org/c/connval/>**

## Continuing Education—Internet Courses from the American Chemical Society

### ACS Chemical Laboratory Safety Series

There are 12 modules in the course; the course subscription length is 90 days, and the per-person registration fee is \$95.00. The Web site lists all the available modules and their individual lengths. The modules discuss compressed gases, lab waste management, chemical storage, corrosive chemical handling, oxidation hazards, toxic chemicals handling, carcinogens and health hazards, spill prevention, flammable materials, and use of laboratory hoods.

For further information and a list of the modules, visit the site at:  
**[http://www.chemistry.org/portal/a/c/s/1/acsdisplay.html?  
DOC=education\professional\ic04.html](http://www.chemistry.org/portal/a/c/s/1/acsdisplay.html?DOC=education\professional\ic04.html)**

## THE VALCHEMIST

Published twice a year by the Connecticut Valley Section of the American Chemical Society, and forms a record of the activities of the Section.

### SECTION OFFICERS

Chair (2006) .....Guy Crundwell  
Chair-Elect (2006).....Jeffrey W. Corbett  
Secretary .....Ralph O. Moyer Jr.  
Assoc. Secretary .....Julianne M. Smist  
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Editorial correspondence and manuscripts should be addressed to Judith A. Douville, 23 Virginia Drive, Middletown, CT 06457-4826, or sent via email to [idouville@juno.com](mailto:idouville@juno.com).

Free to members of the Connecticut Valley Section of the ACS, libraries, universities, and engineering societies. Single extra copies may be obtained for 35 cents. To obtain large numbers, arrangements must be made with the Mailing Coordinator on or before the 15th of the month prior to publication. Printed in the USA by Printing Plus, Portland, CT. Copyright 2006. All rights reserved.

### 2007 Publication Deadlines:

Spring-Summer 2007 Vol. 49 No. 1 January 15, 2007  
Fall-Winter 2007 Vol. 49 No. 2 September 15, 2007

The Valchemist publishes information for members of the Connecticut Valley Section of the American Chemical Society.

We continue to solicit contributions from all corners of the section, and would particularly encourage electronic submissions, as follows:

1. Email: send (a) simple text, in the body of the mail message, or (b) using attachments to the email message, in Word 97 through Word 2003. Macintosh documents must be converted to text before sending.
2. Fax: 860-344-1880 to the editor; please send cover sheet separate from copy.
3. Floppy disk: document format as in no. 1 above.

Graphics are best submitted as JPEG formatted items. For problem documents or graphics please telephone the editor: 860-344-1880 (machine always on, home); 860-347-6933 ext. 117 (work).

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## 2007 CVS Election Candidates

Chair-Elect--Dr. David Myers  
Secretary--Dr. Ralph O. Moyer, Jr.  
Assoc. Secretary--Dr. Julianne M. Smist  
Treasurer--Dr. Arthur W. Dimock  
Councilor--(2007-2009):  
Dr. Tyson Miller  
Dr. Adrienne Kozlowski (2007-2009)  
Dr. Edward Fitzgerald (2007-2009)  
Member-At-Large:  
Mr. Everett E. Turner (2007-2009)  
Dr. Kevin Shea (2007-2009)  
Dr. Leonidas Jones (2007-2008)

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## The John S. Burlew Connecticut Valley Section Award Highlighting Outstanding Contributions to Chemistry

### Call for Nominees

The CVS Award Committee solicits nominations for the John S. Burlew Connecticut Valley Section Award to recognize an outstanding contribution(s) to chemistry. All members of the CVS are eligible. A nominee must have made an outstanding contribution to chemistry, be a member of the CVS, and must not have received an award from ACS or other technical or scientific organizations for the same contribution(s).

Please make a nomination consisting of a short letter describing the nominee's qualifications, a chemistry vita, and names and addresses of two references familiar with the nominee's cited contribution. Self-nominations are encouraged. A request for further information regarding suitable nominees will be made, if necessary, to help the Committee in the final selection process.

Nominations should be sent by May 19, 2007 to the current chair of the Burlew Award Committee: Dr. Guy Crundwell, Chemistry Department, Central Connecticut State University, New Britain, CT, 06050.

## Fall Dinner Meetings

### **The High School Teacher Award Presentation and 50-Year ACS Member Recognition**

Meeting was held October 4, 2006, at 6 PM at the Crowne Plaza Hotel in Enfield, CT. A buffet dinner preceded the meeting. The High School Teacher Award was presented to the 2005 recipient, Robert Segall, and 50-Year ACS members were recognized. Following dinner, Mr. Segall presented a seminar describing activities related to the Connecticut Assessment Performance Test.

**The Burlew Award Presentation and 50-Year ACS Member Recognition** Meeting was held November 7, 2006, at 6 PM at the Nathan Hale Inn on the University of Connecticut Campus, Storrs, CT. The Burlew Award was presented to the 2005 recipient, Connecticut College Professor Marc Zimmer, followed by a seminar by Professor Zimmer after dinner. The 50-Year ACS members were also recognized.

#### Seminar Title: **Glow**

Imagine a mouse with neurons that fluoresce when they are used, a plant that gives off light when it's "thirsty," or being able to see the spread of cancer by monitoring green fluorescent tumors. Pretty way out, isn't it? But thanks to green fluorescent protein (GFP), a protein from the jellyfish, it's all been done. Probably the best indicator of the utility of GFP and GFP-like proteins is the fact that in 2004 about 50%, 35%, 60%, and 20% of the articles in *Cell*, *Development*, *Journal of Cell Biology*, and *Neuron* mentioned or used GFP-like proteins. The history, theory, Zimmer's research on GFP, and some interesting applications of these tracer molecules were discussed.

## Obituary

*William J. Minges*, 85, retired chemical engineer and chemical plant safety expert, died on October 7, 2006, after a brief illness. He graduated from the University of Notre Dame in 1942 with a degree in chemical engineering, and worked for Union Carbide, South Charleston, WV, and New York City. He was a founding member of The Helmsman Group--Chemical Engineering Consultants, and retired from a consultancy with the American Society of Chemical Engineers. He was a member of ACS/CVS and lived in Bloomfield, CT.

## National Institutes of Health Pioneer Award Recipient

NIH Pioneer Award Recipient *Lila M. Gerasch*, Distinguished Professor of Biochemistry and Molecular Biology and Chemistry, University of Massachusetts, Amherst, focuses on protein folding and protein-peptide interactions. She will use her award to research diseases associated with protein misfolding, such as Alzheimer's and cystic fibrosis. The award is in the amount of \$2.5 million over five years to support highly innovative research on major challenges in biomedicine.

## University of Connecticut Chemistry Alumni Symposium

A symposium of chemistry alumni was held Friday, September 29, 2006, to commemorate the 125th anniversary of the University. The symposium, "Celebrating the Elements of Connecticut Chemistry," featured twelve distinguished chemistry alumni who spoke about their research after graduation. The celebration culminated with a social hour and banquet.

**CONNECTICUT VALLEY SECTION  
2006 CHEMISTRY OLYMPIAD  
ANALYSIS OF RESULTS**

31 High Schools and 356 students participated. A total of 63 students went on to compete in the essay and laboratory segments of the competition.

The multiple-choice part of the competition counted as 50% and the essay and the laboratory portions counted 25 % each.

Analysis of data from all students: **Multiple choice exam**

	Ave.	Medium	Std. Dev.	High Grade	Low Grade
All 356 students	28.9	28	8.9	54	10
AP students (228)	32.1	31	8.3	54	14
High school (128)	23.1	22	6.9	45	10

Analysis of data from the top 63 students:

	Ave.	Medium	Std Dev.	High Grade	Low Grade
Essay	16.2	16.3	3.6	22.5	4.4
Laboratory	14.2	14.0	4.2	22	7
Overall	63.8	64.6	10.7	83.5	41.1

There were 228 students assigned as AP and 128 students assigned as High School. On the individual school's analysis sheet the MCSC Score is the multiple-choice score based on 50 questions.

## **CALL FOR CONTRIBUTIONS: Encyclopedia of Earth** (<http://www.earthportal.net/about/eoe/>)

Cutler J. Cleveland  
Editor-in-Chief, Encyclopedia of Earth  
Professor and Director  
Center for Energy and Environmental Studies  
Boston University  
675 Commonwealth Avenue  
Boston, MA 02215

The world's experts on the environment of Earth, and the interaction between society and the natural spheres of the Earth, are forming to produce a single comprehensive and definitive electronic encyclopedia about the Earth. The/ Encyclopedia of Earth/ (EoE) will be free to the public and free of advertising.

We seek all qualified editors and authors to collaboratively develop:

- \* A free, fully searchable, trusted source of articles about the Earth
- \* A to Z coverage of topics describing the environment of Earth that span the natural, physical, and social sciences, the arts and humanities, and the professional disciplines
- \* An information resource that will be useful to students, educators, scholars, professionals, decision-makers, as well as to the general public
- \* An authoring site that combines the authority of peer review with the power of Web-based collaboration
- \* A public reference site that is updated every 15 minutes

**Editors:** Professor Cutler J. Cleveland of Boston University, Editor-in-Chief of the award-winning/ Encyclopedia of Energy/ (Elsevier Science), is the Editor-in-Chief of the/ Encyclopedia of Earth./ A distinguished International Advisory Board provides editorial oversight (see below).

**Publisher:** The/ Encyclopedia/ is one component of the/ Earth Portal (<http://earthportal.net/>), the world's first comprehensive resource for timely, objective, science-based information about the Earth and environmental change. It is published by the Environmental Information Coalition, National Council for Science and the Environment (<http://www.ncseonline.org>).

**Scope:** The scope of the/ Encyclopedia/ is the environment of the Earth broadly defined, with particular emphasis on the interaction between society and the natural spheres of the Earth. See the taxonomy and topic areas at <http://earthportal.net/about/eoe/eotopics/>.

**Join the Effort:** If you are interested and want more information, please send an email to <[eoe@earthportal.net](mailto:eo@earthportal.net)>, or visit (<http://earthportal.net/about/steward/>).

### **International Advisory Board:**

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F. Sherwood Rowland\*, Nobel Laureate in Chemistry, University of California - Irvine, USA\*B. L. Turner\*, Director, School of Geography, Clark University, USA

## CVS-ACS Student Symposium and Awards Banquet

The annual Undergraduate Student Research Symposium was held at Wesleyan University, Exley Science Center and the Hall-Atwater Laboratory, from 9:00 am to noon on Saturday, April 29, 2006. Twelve student presenters offered posters and papers to an appreciative audience of family, friends, academic visitors, and the public. Presenters and their papers are as follows:

- Brianne Paulson, Univ. of Hartford: *In Pursuit of an Alternative Synthesis of Triruthenium Carboxylates*  
Mahwish Khan, St. Joseph College: *The Use of a Spin Label at the Mutated N92 Site of Iso-1-Cytochrome C to Study the Kinetics of Protein Folding and Unfolding*  
Kimberly A. Bucknor, Mount Holyoke College: *Elucidating Protein Behavior on the Nanoscale by Using Synthetic Model Peptides to Investigate Protein-Nanotube Interactions*  
Joseph Wzorek, Trinity College: *Cope Rearrangements and Lactol Formations: Indium Metal Promoted Couplings with Versatility*  
Vanessa Stacy, Central CT State University: *Synthesis of Asymmetric Thienyl Analogs of Benzil and Their Mixed Crystal*  
Stefanie A. Cantalupo, Central CT State University: *Synthesis and Characterization of Substituted Dithienylbenzo[G] Quinoxalines*  
Craig J. Yennie, Trinity College: *Side-Chain to Side-Chain Metallacyclicpeptides Using Tungsten-Alkyne Coordination*  
Will Gionfriddo, University of Connecticut: *Isolation and Identification of Isomeric Thymine Dimers Produced by UV Radiation*  
Natercia Reis Rodrigues, Mount Holyoke College: *Spectroscopic and Calorimetric Studies of Helix Induction by HFIP*  
Sai Archana Krovi, University of Massachusetts: *Use of Gold Nanoparticle Based Receptors for Sensing Applications*  
Florine Chanthavong, St. Joseph College: *Development of a User-Friendly Methodology for the Suzuki Coupling Reaction*  
Claire Lawlor, Trinity College: *Cascade Reactions Enroute to Meta-Substituted Benzene Rings*

Posters and their presenters are as follows:

- Nida Intarapanich, Simon's Rock College: *Using Extraction of Antibacterial Compounds to Compare D. Confragosa in Massachusetts and Korea*  
Christina Lioce and Kate Whitesell, Smith College: *Effects of Chiral Amines on Pauson-Khand Selectivity*  
Maureen Reilly and Lisa Rosenberg, Smith College: *Synthesis of a Novel Diels-Alder Diene*  
Harris Sultan, University of Connecticut: *Photocleavage of DNA by Anthracene Derivatives*  
Stephanie A. Maniatis, University of Connecticut: *Synthesis and GC/MS Analysis of Substituted Cumylphenols—Persistent Chemicals Found in the Marine Environment*  
Brian Matthew, University of Connecticut: *Monitoring the Methyl Ester Products in the Production of Biodiesel by Near-Infrared Spectroscopy*  
Amy Hagstrom, University of Hartford: *Synthesis of Copper Phenanthroline Complexes*  
Shinya Amano, Wesleyan University: *Design, Synthesis and Evaluation of Specific Substrates of E. coli Penicillin Binding Protein 2*  
Luke Basta, Wesleyan University: *Catalytic, Asymmetric Condensation of Nitro-Compounds with  $\alpha$ -Halocarbonyl Compounds*  
Jorge DeFreitas, Central CT State University: *Synthesis and Characterization of Several Methoxyphenyl Quinolalines*

### 2006 Anna J. Harrison Award Winners

The top female presenter at the Undergraduate Symposium was Kimberly A. Bucknor of Mount Holyoke College; and the High School winner, and top female participant in the Chemistry Olympiad, was Amy Chevalier, Watertown (CT) High School.

## **Fulbright Scholar Opportunities in Chemistry: FULBRIGHT SCHOLAR PROGRAM**

Applications continue to be accepted for some Fulbright Scholar awards for U.S. faculty or professionals to lecture or research abroad in chemistry for a semester or a year in 2007-2008. Visit our website at <http://www.cies.org/> for descriptions of available awards and new eligibility requirements. Awards are closing daily, so please consult the relevant program officer before applying.

### **News from NERM 2006**

The 34th Northeast Regional Meeting of the American Chemical Society, NERM 2006, was held October 5-7, 2006, in Binghamton, New York. In addition to traditional Inorganic, Organic, Physical, and Analytical Chemistry programs, an exciting array of interdisciplinary research from academic and industrial laboratories, cosponsored by ACS, MRS and IEEE/CPMT, was highlighted: Nanotechnology, Polymer Materials & Green Chemistry, Molecular Solids, Flexible Electronics, Life Sciences and Biotechnology, Environmental Chemistry, and Chemical Education and Information Sciences. A special day of undergraduate student programming was offered on Friday, October 6th, cosponsored by the Division of Chemical Education and the Younger Chemists Committee. The meeting was hosted in downtown Binghamton by the Binghamton Local Section of the ACS and Binghamton University (SUNY) at the Binghamton Regency and Holiday Inn hotels.

### **New Section and Transfer Members, Summer-Fall 2006**

Oleg Byl	Craig A. Calvert
Karen Collins	William Conner
Elena Dodova	Ryan C. Hayward
Gale Hoffnagle	Boxun Hu
Jason R. Schmink	Kim J. Stutzman-Engwa
Adam R. Elliott	Xin-Yu Zhang

### **2007 Chemistry Olympiad News**

Dates have been set for the Spring Olympiad examinations: March 8, 2007, at UConn, with a snow date of March 9, 2007; March 20, 2007, at UMass, with a snow date of March 21, 2007.

For information contact Edward C. Fitzgerald, [efitzger@mtholyoke.edu](mailto:efitzger@mtholyoke.edu).

### **Spring 2006 Olympiad Award Winners**

#### **Team Awards**

<b>Level</b>	<b>Connecticut</b>	<b>Massachusetts</b>
High School	Middletown	Longmeadow
Advanced Placement	Hall High School, West Hartford	Longmeadow

Individual award from UConn: Thomas Nevers, East Catholic High, Manchester, CT

UMass: Sophia Murray, Monument Mountain High, Great Barrington, MA

# “Your Home–It's All Built on Chemistry ”

(more information at <http://www.chemistry.org/ncw> )

Ellen Anderson, National Chemistry Week Coordinator for the CVS, distributed 1600 copies of *Chem-Matters* and 500 copies of *Celebrating Chemistry* to 40 teachers and parents who requested National Chemistry Week materials. It is still not too late to participate in the NCW poster contest—“Your Home: It’s All Built on Chemistry”. Posters must be submitted to Dr. Anderson, 29 Farmstead Lane, Windsor CT 06095 by January 3, 2007. For further details, see <http://chemistry.org/ncw>

## HANDS-ON CHEMISTRY ACTIVITIES AT THE HOLYOKE MALL were held SATURDAY, OCTOBER 21, 2006

In celebration of the 20th annual National Chemistry Week, Dr. Ed Fitzgerald of Mt Holyoke College and Dr. Sue Swanker of AIC once again coordinated a day of hands-on chemistry activities at the Holyoke Mall in Massachusetts. More than 100 mall-goers of all ages stopped by to participate in the activities. Ed and Sue were assisted by a number of students from the two colleges.

### National Chemical Week Event at Newington High School, Connecticut

On November 1, 2006, CVS Board member Ellen Anderson attended the Newington High School Chemistry Club’s annual dinner held in honor of National Chemistry Week, and coordinated/overseen by William Pilotte, a former CVS High School Teacher Awardee. More than 100 students, friends, family members, and members of the public attended. Decorations were chemically themed including glassware, interesting chemical facts printed on thermochromic paper, and posters projects created by the students describing properties and uses of many interesting and important everyday molecules. All the food was prepared by students in the culinary arts classes. There were Italian, Spanish, and Latin food stations topped off by a flaming Baked Alaska parade. The highlight of the evening was the featured speaker, Victoria Margiott, a chemical engineer at Hamilton Sundstrand, who is a member of the team working on the spacesuits for the Space Shuttle Program. Ms. Margiott brought with her a  $\frac{3}{4}$  size spacesuit and described its materials and functions in her talk.

### 2006 50-Year Members of ACS

Mr. Thomas J. Collopy, 4 Nutmeg Circle, Westbrook, Connecticut 06498-1534

Dr. Robert William Coughlin, University of Connecticut, Chemistry Department, Unit 3222 191 Auditorium Road, Storrs Mansfield, Connecticut 06269-9012

Mr. G. Robert Traut, 492 Westcott Road, Danielson, Connecticut 06239-3202

Mr. Stanley R. Walczewski, 76 Hunt Glen Drive, Granby, Connecticut 06035-2632

Dr. Albert Young Garner, 1463 Plumtree Road, Springfield, Massachusetts 01119-2940

Mr. Kenneth Paul Hellman, Smith College, Chemistry Department, 98 Green Street, Northampton, Massachusetts 01063-1000

Dr. Harold Powell Higginbottom, 219 Manchonis Road Extension, Wilbraham, Massachusetts 01095-1426

Dr. Kenneth L. Williamson, 43 Woodbridge Street, South Hadley, Massachusetts 01075-1138

**Minutes  
Executive Board Meeting  
September 21, 2006**

The meeting of the CVS/ACS Board was called to order at 8:00 PM at Springfield College with Dr. Guy Crundwell, Chair, presiding.

MEMBERS PRESENT: E. Anderson, R. Archer, J. Corbett, L. Craine, G. Crundwell, A. Dimock, J. Douville, P. Douville, J. Knox, A. Kozlowski, T. Miller, D. Myers, J. Smist, B. Westcott, R. Wikholm

**I. MINUTES OF MAY 16, 2006.**

MOTION MADE AND SECONDED to accept the minutes. MOTION PASSED.

**II. FINANCIAL REPORT.** Dr. Dimock distributed the report. We are solvent.

MOTION MADE AND SECONDED to accept the report. MOTION PASSED.

**III. ANNOUNCEMENTS FROM THE CHAIR.**

- \* October 4 dinner meeting at the Crowne Plaza Hotel, Enfield CT will have the high school teacher award and 50-year member recognition. RSVP to J. Corbett by September 27.
- \* November 7 dinner meeting at the Nathan Hale Inn, Storrs, CT will be the Burlew Award presentation to Professor Zimmer. RSVP to J. Corbett by November 1.
- \* Lecture series announcements have been posted on the Web
- \* Other correspondence received: the pledge to the ACS Scholars Program; 50-year member certificates; question from the Secretary (R. Moyer) about supporting a visa application

**IV. OFFICERS AND COMMITTEE REPORTS**

- \* Chair--only one application for the Burlew Award has been received
- \* Chair-Elect – Spread the word about the dinner meetings – only 15 reservations received to date for the October meeting. Pfizer is subsidizing the meeting (\$125.00 donation) to pay for the podium, screen and bar set up. Cost of both dinner meeting is \$25.00
- \* Past Chair – Nominating Committee – Ballot is close to being finished. Looking for candidates for two member-at-large positions, one opening for Councilor, one for Alternate Councilor. Chair-Elect candidate is David Meyers
- \* Councilors: Dr. Kozlowski announced that she was not seeking re-election after serving the CVS Executive Board for 21 years (18 as Councilor). She is re-locating to Florida to enjoy her retirement. The Board applauded her for her years of service. The Councilors reported on the ACS National meeting in San Francisco in September:

There is a downloadable version of the revised version of Safety in the Chemical Laboratory on the ACS Web Site. The open discussion period centered on the future of ACS. They want to get more young people involved, but it is not advisable for pre-tenure people to be too active.

There will be a NOVA program on Percy Julian” Forgotten Genius” in February

There were a record number of papers presented (nearly 10,000)

\* Education – No report. Dr. Craine announced that Ed Fitzgerald would be doing a NCW event at the Holyoke Mall Saturday, Oct. 21 from 11:00 AM – 3:00 PM

\* National Chemistry Week (NCW) – It will take place Oct. 22-28; theme is “Your home – it’s built on Chemistry.” Dr. Anderson will be sending out information to those teachers/schools who have requested materials.

\* Northeast Region Board – Dr. Smist: announced that the next NERM would be in Binghamton, NY on October 5 – 7, 2006. The Northeast Region Board will be meeting then. She requested approval from the CVS Board to bring a bid to the Region Board for CVS to host the NERM 2009.

**MOTION WAS MADE AND SECONDED** to put in a bid to host NERM 2009 (or 2010).

Discussion centered on the proposed dates – either the last week of June or the first week of October. It was decided to check with the venue (a hotel in the Hartford/Springfield area) to see which dates worked best. MOTION PASSED

\* Student Affairs – J. Knox. Undergraduate symposium will be held at Simon’s Rock College. Received innovative grant to bring in high school teachers to do demos, show them how to do them, give them materials, and show how to use them to illustrate different concepts. Two programs in the spring for about 25 high school teachers each

\* Valchemist – J. Douville, Editor reporting. The two meeting notices (Oct 4th and Nov 7th) are ready. The Oct. 4th notice (High School Teacher Award/50-Year Member Recognition) was sent to the printer Aug. 30th and your editor received her copy on Sept. 8th. Both notices have been sent to the Webmaster for posting on our Web site. The Nov. 7th notice has been sent to the printer and is at this time being prepared for mailing. Your editor would like more information about the 50-year members, who will be recognized at the next dinner meeting, especially Harold Higginbottom, who served the section for many years as Treasurer. Your editor needs material to put into the Valchemist, especially more details about the students who received awards and the papers that were presented at the Wesleyan event. The next Valchemist will be published this fall and plans are to list the ballot choice then. The preparation of the Section ballot is underway and awaits the final list of candidates.

The next meeting of the Board will be Monday, November 27, 2006 at 7:45 PM at CCSU.

The meeting adjourned at 9:20 PM.

Respectfully submitted,

Julianne M. Smist

Associate Secretary, ACS/ CVS

**AMERICAN CHEMICAL SOCIETY - CONNECTICUT VALLEY SECTION**

**2006 FINANCIAL REPORT**

January 1, 2006 – November 27, 2006

Norwich Savings Society "Super NOW" Account as of 01/01/06	\$ 6,664.30
Cash Reserve CDs as of 01/01/06	<u>47,657.45</u>
<b>TOTAL</b>	<b>54,321.75</b>

	<b>YEAR TOTAL</b>	<b>'06 BUDGET</b>
<b>RECEIPTS:</b>		
ACS Section Allotment	15,596.00	15,596.00
ACS Local Section Dues	7,308.00	8,000.00
ACS Member Commission		200.00
Interest	1,855.22	1,800.00
Miscellaneous Income	1,850.00	104.00
<b>SUB-TOTAL RECEIPTS</b>	<b>26,609.22</b>	<b>25,700.00</b>
Other Receipts:		
Valchemist		
Section Meetings	1,297.00	
Student Awards		
Section Awards		
Other	8,123.95	
<b>TOTAL RECEIPTS</b>	<b>36,030.17</b>	

TOTAL (Receipts plus Checking Bal. Forward) \$42,694.47

	<b>YEAR TOTAL</b>	<b>RETURNS</b>	<b>NET DISB'D</b>	<b>'06 BUDGET</b>
<b>DISBURSEMENTS:</b>				
Executive Board				
Meetings	813.77		813.77	900.00
Administration	11.24		11.24	200.00
Ballot	350.00		350.00	600.00
Travel Councilors	11,822.69	4,406.95	7,415.74	2,900.00
Travel Chair-Elect	275.00		275.00	550.00
Mailings	2,211.00		2,211.00	3,200.00
Student Awards				3,000.00
Section Awards	2,000.00	1,000.00	1,000.00	100.00
Section Awards Fund Endowment	2,011.00		2,011.00	3,200.00
Education	5,797.78	3,717.00	2,080.78	2,000.00
High School Teacher Travel	50.00		50.00	200.00
Valchemist	2,282.00		2,282.00	5,000.00
Publicity/Hospitality				200.00
Career Workshop				350.00
Section Meetings	4,530.52	1,297.00	3,233.52	2,200.00
National Chemistry Week	460.76		460.76	600.00
New Initiatives				250.00
SEED	200.00		200.00	250.00
Certificates of Deposit	1,855.22		1,855.22	0.00
<b>TOTAL DISBURSEMENTS</b>	<b>33,670.98</b>	<b>9,420.95</b>	<b>24,250.03</b>	<b>25,700.00</b>

CHECKING BALANCE	9,023.49
CASH RESERVE IN CDs	<u>48,953.31</u>
<b>TOTAL BALANCE FORWARD</b>	<b>\$57,976.80</b>

NOTE: We have an additional \$45,870.89 invested in a SECTION AWARDS Certificates of Deposit, and \$31,529.50 in the ANNA J. HARRISON AWARD FUND.

\_\_\_\_\_  
Arthur W. Dimock, Treasurer, CVS/ACS

Connecticut Valley Section, ACS  
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## Calendar of Events

For times and places for upcoming ACS/CVS meetings, student awards, and the annual undergraduate research symposium, as well as other organizations' meetings of interest to ACS/CVS members—

Go to our Web page!

**<http://membership.acs.org/c/connval/>**