



Green Mountain Section of the American Chemical Society

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Green Mountain Section website:
<http://membership.acs.org/g/greenmt>

Officers 2005

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Chair-Elect..... Fiona Case
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..... Gerrior
Newsletter Editor.. Willem Leenstra

Upcoming Events

October 13, 2005 – Tour of
Marble Museum and Wine Tasting

October 16-22 – National
Chemistry Week events. See story
on next 2 pages.

December 7 – Green Mountain
Section Holiday Party and Dinner
at the Swift House in Middlebury.
Details to follow.



ACS website: www.Chemistry.org

GMLS October Meeting

“Marble and Wine in Proctor”

Date: Thursday, October 13, 2005

Time: Tour of Marble Museum at 5:30 p.m.
Wine Tasting at 6:30 p.m.
(with hearty hors d'oeuvres)



Details: We will be given a special tour of the Vermont Marble Museum in Proctor by Robert Pye, the Director of the Museum. The tour will take approximately 1 hour, so please come a few minutes early for a prompt start.

At the conclusion of the tour, we will retire to the Museum's gift shop, which doubles as a tasting room for the Snow Farm Winery's outstanding wines. Hearty hors d'oeuvres and sandwiches will be served.

Cost: Only \$10 per person (much of the standard \$18 for a tour, tasting, and food will be covered by your local section), to be collected on site.

Where: The Vermont Marble Museum's address is 52 Main Street in Proctor. On Route 7, approximately half-way between Brandon and Rutland, take Route 3 in a southwesterly direction. Go approximately 3 miles toward Proctor's town center, and take a right onto Main Street. You will cross over some railroad tracks, after which Main Street takes an immediate right. You will see the Museum on your right.

Please join us and get to know your fellow ACS members



NATIONAL CHEMISTRY WEEK EVENTS

The Green Mountain Local Section is organizing three major events. If you are aware of any other events that have been scheduled at high schools, middle schools, etc. please let us know.



- On Saturday, October 15 we will have a National Chemistry Week kick-off event. ECHO at the Leahy Center for Lake Champlain will host two chemical demonstration shows (11 a.m. and 2 p.m.) by Willem Leenstra and the UVM Chem Cats.


This show is also part of ECHO's "Shocktober" month-long series of events for all ages.



- On Saturday, October 22 there will be a mall event at the Burlington Town Center, where Fiona Case and volunteers will lead kids through some hands-on chemistry experiments. In line with this year's NCW theme of "The Joy of Toys" the properties of plastic will be explored, "slime" will be made, etc.

If you would like to be a volunteer, please contact her ASAP at fiona@casescientific or at 879-3684 before the 19th of this month. You can get involved with an activity of your choice. No experience necessary – you will be trained on the job.

Periodic Table of the Elements 2005

1 H 1.01																	18 He 4.00																												
3 Li 6.94	4 Be 9.01											13 B 10.81	14 C 12.01	15 N 14.01	16 O 15.99	17 F 19.00	18 Ne 20.18																												
11 Na 22.99	12 Mg 25.31											13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45	18 Ar 39.95																												
19 K 39.10	20 Ca 40.08	21 Sc 44.96	22 Ti 47.87	23 V 50.94	24 Cr 52.00	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.41	31 Ga 69.72	32 Ge 72.64	33 As 74.92	34 Se 78.96	35 Br 79.90	36 Kr 83.80																												
37 Rb 85.47	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.94	43 Tc (98)	44 Ru 101.07	45 Rh 102.91	46 Pd 106.42	47 Ag 107.87	48 Cd 112.41	49 In 114.82	50 Sn 118.71	51 Sb 121.76	52 Te 127.60	53 I 126.90	54 Xe 131.29																												
55 Cs 132.91	56 Ba 137.33	57 La 138.91	72 Hf 178.49	73 Ta 180.95	74 W 183.84	75 Re 186.21	76 Os 190.23	77 Ir 192.22	78 Pt 195.08	79 Au 196.97	80 Hg 200.59	81 Tl 204.38	82 Pb 207.2	83 Bi 208.98	84 Po (209)	85 At (210)	86 Rn (222)																												
87 Fr (223)	88 Ra (226)	89 Ac (227)	104 Rf (261)	105 Db (262)	106 Sg (266)	107 Bh (264)	108 Hs (270)	109 Mt (268)	110 Ds (281)	111 Rg (272)																																			
																																													
<table border="1"> <tr> <td>58 Ce 140.12</td> <td>59 Pr 140.91</td> <td>60 Nd 144.24</td> <td>61 Pm (145)</td> <td>62 Sm 150.36</td> <td>63 Eu 151.97</td> <td>64 Gd 157.25</td> <td>65 Tb 158.93</td> <td>66 Dy 162.50</td> <td>67 Ho 164.93</td> <td>68 Er 167.26</td> <td>69 Tm 168.93</td> <td>70 Yb 173.04</td> <td>71 Lu 174.97</td> </tr> <tr> <td>90 Th 232.04</td> <td>91 Pa 231.04</td> <td>92 U 238.03</td> <td>93 Np (237)</td> <td>94 Pu (244)</td> <td>95 Am (243)</td> <td>96 Cm (247)</td> <td>97 Bk (247)</td> <td>98 Cf (251)</td> <td>99 Es (252)</td> <td>100 Fm (257)</td> <td>101 Md (258)</td> <td>102 No (259)</td> <td>103 Lr (262)</td> </tr> </table>																		58 Ce 140.12	59 Pr 140.91	60 Nd 144.24	61 Pm (145)	62 Sm 150.36	63 Eu 151.97	64 Gd 157.25	65 Tb 158.93	66 Dy 162.50	67 Ho 164.93	68 Er 167.26	69 Tm 168.93	70 Yb 173.04	71 Lu 174.97	90 Th 232.04	91 Pa 231.04	92 U 238.03	93 Np (237)	94 Pu (244)	95 Am (243)	96 Cm (247)	97 Bk (247)	98 Cf (251)	99 Es (252)	100 Fm (257)	101 Md (258)	102 No (259)	103 Lr (262)
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- During NCW, we will be holding a contest in which the Green Mountain Local Section will award prizes, in the form of prize money (!! for designing a passage in English, in which the entire prose derives from a stringing-together of the symbols for the chemical elements. There are two categories: (1) Longest Passage, and (2) Most Creative. In each of these two categories, we will award a \$100 prize to the winner.

RULES: Put chemical symbols together in a string to form a passage in standard English. One symbol may be part of two words. To help the creative process, you are allowed up to three “undiscovered elements”, whose symbols may be one or two letters, of your imagination.

EXAMPLE: You might submit 53-3-19-E-90-Ei-88-6-T, along with its translation “I like their act”. In this example, element #88 spans the two words “their” and “act”. There are no elements with symbols E, Ei, and T – these are your “wild cards”, having been discovered and named by you.

SUBMISSION: Send your entry via e-mail to willem.leenstra@uvm.edu, or by regular mail to him at the Chemistry Department, UVM. Your submission should be in the form:

Element-number string (including up to 3 wild cards)

The equivalent passage in English

Your name

Your e-mail

Your phone number

DEADLINE: Monday, October 24, 2005

GOOD LUCK !!!