

**Treating Major Diseases with Medical Isotopes:
Glen Seaborg "Cancer Fighter"
Dr. Robert E. Schenter
Vice Chair Citizens for Medical Isotopes**

**Date: Tuesday February 29, 2000,
Time: 7:30p.m.
Place: Room L - 102
Library Building
Columbia Basin College
Pasco, WA.**

Dr. Schenter will be presenting information related to the recent outstanding successes in treating cancer, heart disease and arthritis with medical isotopes. Specifically, prostate cancer treatment with "seeds" (Brachytherapy), lymphoma (RIT "smart bullets") and restenosis (stents). Over 100 "human" clinical trials are going on at the major cancer treatment centers in the USA today using medical isotopes specifically for treatment.

In addition Dr. Schenter will present his past interactions with Glenn Seaborg ("fellow cancer fighter") with pictures of Professor Seaborg's last visit to Richland.

Dr. Schenter is one of the leading experts on fission reactor production of isotopes. Based on over 25 years of research on neutron cross-section and decay rate information he is recognized as a world authority on isotope production. He received his Doctorate in Nuclear Physics from the University of Colorado in 1963. Bob is past chairman of the local American Nuclear Society section. He was named

Tri-Cities Engineer of the Year in 1993. He is currently employed as a Staff Scientist with Battelle Pacific Northwest Laboratory.

Those who would like to have dinner at 6:00 PM at the Vineyards Steakhouse (formerly Rosso's Ristorante) with Dr. Schenter at the Pasco Double Tree Hotel should contact Brian Rapko at Brian.Rapko@pnl.gov or at (509) 376-1571.

March Meeting

**Date: Tuesday March 21, 2000
Topic: Tour of Umatilla Chemical Depot,
Hermiston, OR.
Time: 4:00 PM**

From the Chair

"...The advancement of chemistry in the broadest manner possible, the increase and dissemination of chemical knowledge, ...the stimulation of professional interests, and the fostering of public welfare and education of its members."

These are the objectives of our ACS section, as stated in the bylaws. The Richland section can certainly be proud of its efforts in achieving these objectives. Some of the activities which come to mind are the annual public outreach efforts during National Chemistry Week, which resulted in the section winning a Phoenix award in 1994, the Northwest Regional Meeting, which we hosted in 1998, and the member social activities and speaker meetings.

This year we will be building on these successes. One effort to "Build value" for members recently resulted in the formation of a "Career Assistance" committee headed by former section chair Milton Campbell. Milt attended a training workshop at ACS headquarters in Washington, D.C. last year and is looking forward to helping members with their career planning and job searches. Also, I am excited about the speakers and tours that are scheduled this year. I believe they will have wide appeal for the membership.

In the final analysis, the section will be what you, the membership, want. I urge you to contact me or the committee chairs, who are listed in this newsletter, and let them know your ideas for improvement. Better yet, become involved in the committee of your choice! Help the Richland Section achieve its objectives.

Steve Krogsrud

Career Opportunities at Hanford

Chemists of all backgrounds are currently needed at Hanford in both the 222-S laboratory and in the WSCF laboratory. Chemists with all degree levels and experience can find career assignments. Interested parties can contact Beverly A. Crawford, in the Analytical Chemistry Development Group at (509) 373-1972.

Richland Section Committees

Below is a listing of the Richland Section Committees and Chairs for your information.

Standing Committees:

Program - Brian Rapko, 375-1571

Membership - Therese Clauss, 376-8051

Nomination/Award - Anna Cavinato, (541) 962-3561

Bylaws - Tim Hubler, 373-0249

Public Relations - Karen Grant, 547-0511 ext 2261

Additional Committees

Education - Royace Aikin, 375-6929

National Chemistry Week- Steve Krogsrud, 372-2302

Minority Affairs- Beverly Crawford, 373-1972,
Anna Cavinato, (541) 962-3561

Newsletter - David Lini, 376-3214

Career Assistance - Milton Campbell, 946-1985

Science Fair Judging

The annual Science Fair will again be held at the Columbia Center Mall on March 16th, starting at 4:00 P.M. As in past years, the Richland Section will provide Judges for the Chemistry exhibits. If you can make time to support this worthy effort, please contact Anna Cavinato at (541) 962-3561, e-mail: cavinato@eou.edu

From the Past Chair

Greetings to all! This is my first message as Past Chair. It has been a real pleasure for me to serve the Richland Section as 1999 Chair and to work with the members. I am truly impressed by the variety of activities that a relatively small section like ours was able to accomplish. Here are some of the highlights for 1999. We sponsored six speakers; participated as judges to the Mid-Columbia Regional Science Fair; sponsored the International Chemistry Celebration in all 328 schools present in the Richland section by sending a copy of the "World of Color" hands-on activities to their science teachers; held a wine testing and recognized two 50-year members; held a summer picnic; and, of course, had an incredible National Chemistry Week celebration. I am also proud to announce that our section has now an active committee for minority affairs. Beverly Crawford and myself were able to join the "Design Camp" workshop for 7th through 9th grade girls and work with them on the chemistry of natural dyes. Our students affiliates both at CBC and EOU also kept very busy. They traveled to numerous schools to present magic shows and organized several hands-on activities, including some on polymers.

With support from the section, the EOU chapter traveled to Anaheim to attend the ACS National Spring Meeting. Seventeen students attended the meeting and eight of them presented research posters.

Overall 1999 has been again a very productive year for our section. All of this would not have been possible without the help and dedication of all the board members and several of our members. I wish to thank all of you for your support and would like to invite all of our members to actively participate in the many activities planned for 2000.

Anna Cavinato, Past Chair

National Chemistry Week

The goal of this year's celebrations for National Chemistry Week was to reach as many members of the community as possible and to provide activities for all age levels that would build interest and awareness of the positive role that chemistry plays in our daily life. With the help of our membership we were able to be active and highly visible in different communities during a period of three weeks and conduct a very intense outreach that took the form of hands-on, exploratory activities for children, both at a local fair (Family-A-Fair) and at schools, of a chemical "magic" show, and of a dramatic presentation of the life of Madame Curie. We estimate that over two thousand people were directly reached by our activities and that possibly many thousand more had the opportunity to either watch or have heard of them through the press.

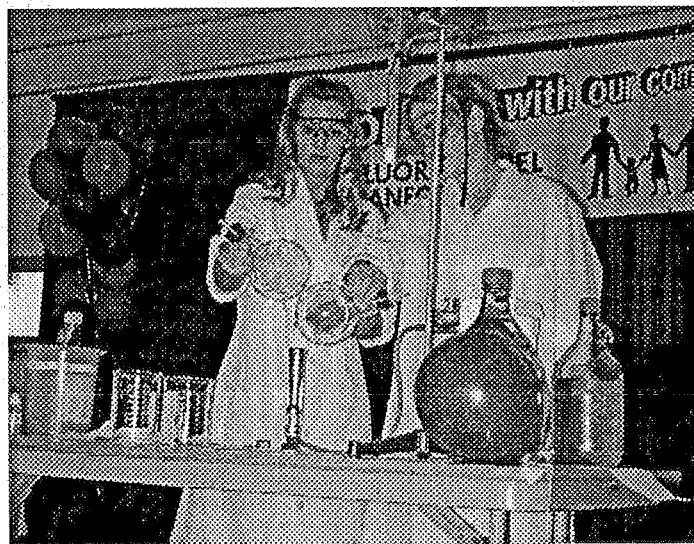
Family-A-Fair. The widest community outreach was achieved during a two-day participation by the Richland Section to Family-A-Fair.

Over the two days we provided a variety of hands-on and interactive chemistry experiments, that were geared to foster active learning from observations and discussions with chemists present at the booth. We gave away over 1500 samples of slime and silly putty, requiring 32 gallons of polyvinyl alcohol for the preparation of slime, over 12 gallons of Elmers

Glue for the silly putty, countless bottles of food coloring and thousands of zip lock bags. In addition over one thousand coffee filters were used for the color activity involving chromatography. We also handed out over 500 copies of the October 1999 issue of Chem Matters, 300 periodic tables of the elements, 500 IChC Sticker Games, 500 Beaker Buddies, 500 balloons and sold several T-shirts. Fifteen ACS members and nine Student Affiliate members volunteered to set up, conduct activities, and tear down the display over the course of two and a half days.

The Richland Section wishes to thank Pacific Northwest National Laboratory (operated for DOE by Battelle) for underwriting the cost of the Family-A-Fair event, and Columbia Basin College and Eastern Oregon University for helping with the supplies

Chemical "Magic" Show. A chemical "magic" show was presented by members of the Eastern Oregon University Student Affiliate Chapter. Approximately 100 people of all ages were in the audience. The thirty minutes show included at least 20 different demonstrations including the "Flaming Erlenmeyer Flask", "Hot Money", "Purple Flame" and the "Gummy Bear Hot Tub".



Anna Marie Lessard and Rebecca Tynkila, members of the Student Affiliate Chapter at Eastern Oregon University during the magic show at Family-A-Fair.

Madame Curie. Ms. Carol Berg , a chemistry teacher at Bellevue Community College in Bellevue, Washington, presented the life of Madame Curie as a one-woman show at the Columbia Basin College Auditorium. Dressed in a period costume and with a chair, table, and kerosene lamp as props, Ms Berg took the 200 people in the audience on a journey through Mme. Curie's life, loves triumphs, and tragedies. The audience gained an appreciation both for the problems faced by a woman scientist at the turn of the century and for the excitement Mme. Curie felt for her chemical discoveries. The presentation was definitely a highlight of the section's NCW activities



Carol Berg dressed in a period costume as Madame Curie.

Budget for Richland Section 2000

Enclosed is the proposed budget and expenses for the Richland Section for year 2000. If you have questions or comments, please contact Dennis Wester at 375-2515. Approval for the budget will be voted on at the membership meeting in March

The 55th Northwest and 16th Rocky Mountain joint regional meeting June 15-17, 2000 in Idaho Falls.

Abstracts of papers are due by March 1, 2000. The abstract can be submitted via computer or alternatively the abstract can be sent using the standard ACS abstract form. Electronic submission is encouraged using the form <http://www2.ida.net/acsid/Norm2000/symposia/abstract00.htm> .

Symposium organizer contacts are given at <http://membership.acs.org/w/wyoming/callpap.htm> . For additional program features visit the meeting web site at <http://www2.ida.net/acsid/norm2000> .

2000 RICHLAND SECTION OFFICERS

- Chair** Steve Krosgrud (509) 372-2302
e-mail laroy_s_steve_krosgrud@rl.gov
- Chair-elect** Brian Rapko (509) 376-1571
e-mail Brian.Rapko@pnl.gov
- Treasurer** Dennis Werster (509) 375-2515
e-mail dennis.wester@pnl.gov
- Secretary** Beverly Crawford (509) 373-1972
e-mail Beverly_a_crawford@rl.gov
- Councilor** Dick Hermens (541) 962-3322
e-mail: rhermens@eou.edu
- Alternate Councilor** Tim Hubler (509) 373-0249
e-mail: tim.hubler@pnl.gov

RICHLAND SECTION HOME PAGE

<http://www.pnl.gov/acs/>

**Proposed Budget and Expenses of the American Chemical Society,
Richland Section, 2000**

	1999 Budget	1999 Actual	2000 Proposed
INCOME			
Annual ACS Allotment	5,350.00	5,434.00	5,400.00
New Member Commissions	10.00		
New Affiliate Commissions	70.00	20.00	20.00
Interest: Savings & Checking	200.00	73.49	75.00
CEEFF Fund	1,100.00	299.15	300.00
CDs (Yakima FS&L)		1,091.94	1,000.00
Newsletter (advertising)	250.00		200.00
Misc. (refunds, events, e.g., NCW)	1,250.00	1,649.07	1,250.00
Northwest Regional Meeting	0.00	475.00	0.00
Fund Raising/Donations	300.00		100.00
Voluntary Section Dues	1,067.00	984.53	1,000.00
TOTAL INCOME	\$9,597.00	\$10,027.18	\$9,345.00
EXPENSES			
Administrative	100.00	114.00	100.00
Local Meetings			
Speakers	1,525.00	1,140.00	1,140.00
Arrangements	500.00	469.39	500.00
Awards	300.00	178.01	550.00
TCTC Dues	45.00	45.00	45.00
Newsletter	1,200.00	1,897.47	1,500.00
Northwest Regional Meeting	0.00	537.07	0.00
Education			
National Chemistry Week, Family-a-	1,500.00	2,072.84	2,000.00
Olympiad	150.00		150.00
Science Fair	100.00	100.00	100.00
Student Affiliates	1,500.00	1,000.00	1,000.00
High School Teacher Res. Appt.	500.00	0.00	500.00
International Chemistry Celebration	200.00	167.15	0.00
Travel			
Councilors	2,100.00	2,356.75	2,100.00
Section Officers	555.00	647.20	500.00
Other			
Rita Bartschot Scholarship (CBC)	100.00	100.00	100.00
Wash. Coll. Chem. Teachers Assn.	100.00	0.00	0.00
ACS Picnic	250.00	195.63	250.00
ACS NCW/award pizza social	200.00	117.41	200.00
Celebration for 50 year members.	500.00	661.40	500.00
Mini-Symposium	1,000.00	0.00	1,500.00
Public Relations	150.00	211.45	200.00
TOTAL EXPENSES	\$12,575.00	\$12,010.50	\$12,935.00
NET GAIN (LOSS)	(\$2,978.00)	(\$2,839.46)	(\$3,590.00)
ASSETS/LIABILITIES			
	1998 Final	1999 Final	
Savings (Yakima FS&L)	672.58	282.57	
CEEFF Fund (Yakima FS&L)	18,618.43	5,425.97	
CD1 (Yakima FS&L)	6,171.51	20,000.00	
CD2 (Yakima FS&L)	6,221.60	0.00	
Savings (First Savings)	NA	81.22	
Checking (First Savings)	701.28	3,756.18	
Liabilities			
TOTAL ASSETS	\$32,385.40	\$29,545.94	\$25,955.94