

Subject: DNCT Strategic Plan and New Blog
From: Heino Nitsche <HNitsche@lbl.gov>
Date: Tue, 17 Jun 2008 14:39:11 -0700
To: undisclosed-recipients: ;

Fellow DNCT Members:

I am writing to you today as the strategic planning coordinator for our ACS Division of Nuclear and Radiochemistry (DNCT), and I would like to inform you about two new developments: 1) The DNCT Strategic Plan 2008-2010, and 2) The New DNCT Nuclear Blog.

The DNCT Strategic Plan 2008-2010

Eleven members volunteered to participate in a one-day strategic planning session on August 18, 2007, the day before the start of the Boston ACS meeting. The participants were: Abigail Bickley (Assist. Prof., MSU), Brienne Bottenus (grad. stud., U. Missouri-Columbia), Mike Bronikowski (staff. SRNL), Frank Kinard (Prof., College of Charleston), Roy Lacey (Prof., SUNY, Chair 2008), Jun Li (Staff., PNNL), Chris McGrath (Staff, INL), Alice Mignerey (Prof., U. Maryland.), Mark Stoyer (Staff LLNL, Chair 2009), and Nathalie Wall (assist. Prof., WSU), and I (Chair 2007). Ena Castro and Dale Gaddy had served as ACS co-facilitators for this strategic planning session. They did an outstanding job. The planning team members have polled a representative group of Division members before the meeting on how they perceive the current DNCT. As you can see, there is tremendous room for improvement.

As I had announced in the October 2007 Newsletter, I am now sending this plan and its auxiliary documents to all of you with the request for suggestions and participation of volunteers to execute as many individual goals as possible. This plan is a first step to improve the Division and should be taken as a dynamic document that shall be updated and revised continuously. Some of you may find it bothersome that I am sending all the information available. I do this to make this process as transparent as possible for you.

I would like to encourage everyone, especially the younger members, to consider taking on a volunteer role within the Division in the future. We and the Division really need your ideas, enthusiasm, active participation, and help to make this plan come true. Each goal has a list of action items that need to be accomplished within specific time lines to achieve the goal. You can help to reach these goals. Please contact the goal facilitators (see below) or me (hnitsche@lbl.gov) if you would like to help.

In summary, three major goals were identified for the next three years:

Goal #1: (Goal Facilitator: Nathalie Wall (nawall@wsu.edu))

Provide a platform for career mentoring, networking, professional advancement, and leadership opportunities for young nuclear chemists (i.e., undergraduates, graduates, and junior professionals).

Goal #2: (Goal Facilitator: Chris McGrath (christopher.mcgrath@inl.gov))

Develop and facilitate events and communication tools that significantly increase collaborative and networking opportunities across diverse specialties and demographics, so as to build a real and virtual community.

Goal #3: (Goal Facilitator: Alice Mignery (mignerey@umd.edu))

Enhance nuclear chemistry outreach, which will create a prominent presence at local, regional, national, and global levels, by providing timely and accurate information and by emphasizing the importance of nuclear chemistry in all aspects of society.

The New DNCT Nuclear Blog

One of the action items within Goal #1 was to develop a DNCT blog. My graduate student Mitch Garcia has created this blog together with two of our UC Berkeley undergraduate students, Noel Chang and Mazhar Ali (with some financial support from the ACS). The blog was officially introduced to the members at the DNCT Membership Meeting at the New Orleans ACS National Meeting in April 2008. It is among the first blogs of the ACS. You can find the blog at: <http://www.nuclearblog.org/>

The first page offers a tutorial and tells you how to become a blogger. Please make use of it and let your voice be heard about any topic that is related to our nuclear subject matter. If you have any further questions about the blog, either put it on the blog or write to the current blog master (mitch@berkeley.edu).

Mitch also keeps a very interesting educational blog site that had over 2.3 millions visitors since 2004: <http://www.chemicalforums.com/>

I look forward to hearing from you. Happy blogging,

Heino Nitsche

Heino Nitsche
Professor of Chemistry
University of California at Berkeley
<http://chem.berkeley.edu/people/faculty/nitsche/nitsche.html>

Faculty Senior Scientist, Group Leader, Heavy Element Nuclear and
Radiochemistry
Nuclear Science Division
Lawrence Berkeley National Laboratory
1 Cyclotron Road
MS 70R0319, Room 70-253
Berkeley, CA 94720-8169
U.S.A.
Phone: 510-486-5615
Fax: 510-486-7444
HNitsche@lbl.gov, <http://heavyelements.lbl.gov>

DNCT Strategic Plan 2008-2010 update June 2008.doc	Content-Type: application/octet-stream Content-Encoding: base64
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Fellow DNCT Members 06-17-08.doc	Content-Type: application/octet-stream Content-Encoding: base64
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OUTCOME of Strategic Plan

1. Mission – Vision – Final Goals
2. Goals – Draft 1
3. Themes – Synopsis
4. Development of Themes/Goals
5. The Goals and their Barriers
6. Current State of DNCT
7. Future State of DNCT
8. SWOT Analysis
9. NUCL Membership chart
10. **Goals – Actions – Steps**

Contacts:

Heino Nitsche, Coordinator, 2007/2008 – hnitsche@lbl.gov

Nathalie Wall, Goal #1 Leader – Young Chemists/Mentoring – nawall@wsu.edu

Chris McGrath, Goal #2 Leader – Networking/Social Networking/Collaboration ---
Christopher.mcgrath@inl.gov

Alice Mignerey, Goal #3 Leader – Outreach/Speakers Bureau/Summer School/Nuclear Expertise – mignerey@umd.edu

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Mission – Vision – Goals

MISSION
<p>The Division serves to advance the understanding of nuclear chemistry and its practical applications by serving the diverse communities involved in nuclear science.</p> <p>[footnote] . . . “subject to approval by the C&B Committee.”</p>
VISION
<p>As the preeminent organization for professionals in the field of nuclear chemistry and related technologies, the Division will provide enhanced opportunities for networking and outreach, while maintaining its excellence in diverse programming.</p>
GOALS
<p>Goal #1: Provide a platform for career mentoring, networking, professional advancement, and leadership opportunities for young nuclear chemists (i.e., undergraduates, graduates, and junior professionals).</p>
<p>Goal #2: Develop and facilitate events and communication tools that significantly increase collaborative and networking opportunities across diverse specialties and demographics, so as to build a real and virtual community.</p>
<p>Goal #3: Enhance nuclear chemistry outreach, which will create a prominent presence at local, regional, national, and global levels, by providing timely and accurate information and by emphasizing the importance of nuclear chemistry in all aspects of society.</p>

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Goals – Draft 1

1. Young Chemists / Mentoring - ***Nathalie Wall***

Provide a platform for career mentoring, networking, professional advancement, and leadership opportunities for young nuclear chemists (i.e., undergraduates, graduates, and junior professionals).

2. Networking / Social Events / Collaboration – ***Chris McGrath***

Develop and facilitate events and communication tools that significantly increase collaborative and networking opportunities across diverse specialties and demographics, so as to build a real and virtual community.

3. Outreach/Speakers Bureau/Summer School/Nuclear Expertise –
Alice Mignerey

Enhance nuclear chemistry outreach, which will create a prominent presence at local, regional, national, and global levels, by providing timely and accurate information and by emphasizing the importance of nuclear chemistry in all aspects of society.

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1. Website/blogs/publication
2. Mentoring/career guidance/career development
3. Outreach -- global/divisions, regional/global
4. Summer schools
5. Speakers' bureau
6. Networking/social events
7. Young NUCL chemists committee
8. Collaboration – non academic; labs
9. NUCL expertise/public relations; advice

Development of Goals/Themes/Draft #1 (Expanded)

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- Mentoring & career advice/mentors (volunteers)/
 - Summary or leadership guide (for future chairs)
 - Visibility for Awards (PR)
 - Streamline nominations
 - Increase summer school
 - Someone – younger - on Speaker Services younger
- Membership List (product) directory/ Membership directory w/research interest -- for programming
 - Networking guide/ Networking across division/int'l
 - Larger membership
 - With ACS theme
 - Mechanism for more income
 - Abstracts printed on Web
- More members with wider age range
- More outreach to the public (positive publicity)
- Networking -- cross-division; cross-discipline; cross-nations
- Recruiting additional volunteers -- specific tasks -- kind like a phone tree
- Increase social interaction
- ACTINET – tighter collaboration
 - Website w/member lists to facilitate connections
 - “Organized” mentoring program
 - Enlarge summer school -- graduate student – summer school
- Website
 - Grad Programs
 - Blogs (networking; publication alerts, rating?)
- Discussion of future meetings -- including entire division; workshops for strategic planning at New Orleans 2008
 - keep momentum – more volunteers
 - “young” nuclear chemists committee
 - Defines needs, develops new ideas
 - How do we improve interaction between the diverse interest
 - Form strategic nuclear planning cttee
 - Chair is part of ex cttee
 - More interaction and participation
 - Rejuvenate local section
 - Make division point of contact for any questions about “Nuclear” from press/public -- we are the experts
 - Publish bulletins to important society questions
 - Ensure the summer school exists -- maybe expanding to 3rd school
- Latest news & info on website – profile or research – summary in newsletter
- Emphasize importance of presenting at ACS mtgs
- Elevate profile of nuclear impact on chemistry in general
- Proactive, focused nucl chem public relations – breaking news

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- Speakers bureaus w/local outreach
- Contact non academic and nat'l lab institutions to generate involvement and funding sources
- Younger nucl committee

Goals and their Barriers

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Themes/Goals	Barriers
10. Website/blogs/publication	ACS institutional problems ACS flat file; can't sort
11. Mentoring/career guidance/career development	Identify leaders (NUCL members) to spearhead some of the initiatives
12. Outreach -- global/divisions, regional/global	Sub-dividing tasks to a manageable level -- making the tasks doable
13. Summer schools	Perception of forming more committees
14. Speakers' bureau	Making accommodation for people who are less web savvy
15. Networking/social events	
16. Young NUCL chemists committee	
17. Collaboration – non academic; labs	
18. NUCL expertise/public relations; advice	

Current State

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- Like a small family, it is hard to get involved without knowing the right people.
- I think the division can be defined by its main strengths and weaknesses. The **strength of the division is the breadth of fields that are included by the term "nuclear"**. The **weakness of the division is that it has not learned how to deal with the diminishing audience of each of these sub-fields and has difficulty retaining the attention of any.**
- The **division is aging. It's not as vibrant** as it was 10 years ago and will have to deal with a smaller membership base. Division still seems to be divided along nuclear chemistry(physics) and radiochemistry lines.
- Somewhat over-aged in the leadership. Not enough young people are being included in **many of the decisions. Has no real strategic goals. Provides** good programming and a **newsletter. Very little networking between new and younger members.** Difficult to break into the established "culture."
- There was a consensus among 3 interviewees that **although they are members, they do not know much about what is going on in regards to the division.** No one knew what the status of the division's membership was so all agreed that **the overall impact being made by the division was minimal in the ACS.** However, they did agree that **the summer school was a good cause and made an overall good impact** on the need for more educated scientists in the field of nuclear and radio chemistry.
- **... not as vibrant as in the past.** Not as important – reason is it's not growing in size. If GNEP continues, its impact would increase.
- **Old, well-established. No younger participants, hard to get involved. It is shrinking. Not a lot of young people produced in this field recently.**
- It's nuclear physics and the rest of us. It's renewed since and with the renewed interest in GNEP. Some new training is showing its impact. DOE's funding of summer schools inside and outside ACS.
- **Not vibrant. Does not seem to be growing in either size or impact.** There is **very little involvement by younger people, but then, there are not many younger nuclear chemists.**

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Future State

- **Larger membership** base that includes **more** of the **younger chemists**.
- **More** interest and **collaboration between researchers**
- **Lively** -interaction between undergrad, grad students and professional of the field. -a network of people who interact -a promoter of nuclear sciences to all level (schools, students, general public)
- Many **more younger scientists** visible in decision-making positions. 1) An active Younger Chemists Committee exists with representation on the Executive Committee; 2) The Division also has a standing Long-range Planning Committee with members serving between 2 and five years and representation on the Executive Committee; 3) The Division will have **a pool of experts who will provide expert opinion on any Nuclear-related issues to the ACS**, the Press and the General public; 4) members will be able to **exchange ideas and opinions on the Division's Web site** through blogging technology.
- All interviewees agreed that they didn't know enough about the status of the division today to be able to know how to change it. This seems like an answer to the question. Possibly the division should have a better means of letting the membership know what is going on, possible opportunities to get involved.
- It was mentioned that the website was excellent and **should be utilized more as well as email about what is happening with the division**.
- Really successful **more members**. (??)
- Dissimilar -- **More active with a better sense of camaraderie**.
- **More active – increased enrollment – better demographics, more varied participation on national and regional meetings**, start lobbying nuclear ideas, (have people consult members of the division) Influence on academics to get more funding to increase those coming into the field. If more interest more funding more teaching more participants.
- The **technical programs** at the national meetings **need to be more consistently of high quality**. I suggest that DNCT start to delve into areas that have more in common with things that ANS is interested in.

SWOT Analysis - Generated by a "long-time" member of the Division

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STRENGTHS and WEAKNESSES	
<ol style="list-style-type: none">1. Many dedicated, experienced, and reliable officers that span a wide variety of interests within DNCT. It is especially important to have continuity in such positions as secretary, treasurer, and newsletter editors with potential (a shadow organization of younger people?) “backups” in training.2. Symposia have been outstanding over the past year—especially those of general interest such as at the Chicago meeting, e.g., that attracted standing room only audiences.3. DNCT has only had some really top-notch symposia on very specialized topics—however, these can be a potential weakness since often the attendance is very low and both organizers and speakers are disappointed and frustrated. This is a difficult problem and there don’t appear to be any simple or obvious solutions. Perhaps collaboration with other Divisions (which we already do) or even Societies as APS, but then we tend to lose our identity.4. DNCT has many active relationships and collaborations with similar organizations in the U.S. (ANS) and throughout the world, especially Japan, Germany, and now China, but see potential problems mentioned in 3 above.5. Seaborg Award and Coryell Awards lend stature and prestige to DNCT, but could be publicized more in local papers, etc. More photos showing Awardees—Jill Pinter still hasn’t had a photo that I’ve seen. Photos of YOUNGER people at meetings or having a good time at the summer schools which are also, of course, a big strength.6. Newsletter & Web Site are strengths, but we need to get people to read them—perhaps a “Prize—very nominal” for the youngest person to access them, the oldest, the 10,000th person rings bells, or some similarly “hokey” ideas.7. More coverage in C&EN	<ul style="list-style-type: none">•

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OPPORTUNITIES	
<ol style="list-style-type: none"> 1. Update U.S. map showing graduate programs in nuclear chemistry & Radiochemistry—Put in a little pizzazz—not just a list of Profs & programs & refs to the college catalogues (Czerwinski’s UNLV site actually has a picture of real live students). 2. Ask some younger members or students to write short articles to post on the Website. 3. Furnish speakers (both older & younger) to present talks at science fairs, high school & college science clubs, etc., on various aspects of nuclear & RC & applications & careers. Speakers from national labs, & industry could be tapped to visit sites near them to minimize costs—or perhaps their organizations will help. 4. The long-range planning initiative is certainly an opportunity and we should try to interact with the ACS management and national Officers in a more proactive way! 	<ul style="list-style-type: none"> •

THREATS	
<ol style="list-style-type: none"> 1. We are a small organization and may be spreading ourselves too thin. Our diversity may be a threat as well as an asset & splinter us. 2. As a small organization, ACS has often put us on the very periphery of the Nat’l meetings, such as at Chicago, with no buss access & not close to the many Divisions & Committees that we all need to interact with. Let’s see how this goes at Boston & then try to get a very strong message to ACS meetings & expositions. Even as an “older member” I needed to be near Geochem., Inorganic, I&En. Chem., Women Chemists Committee, etc. & it was impossible. 3. See pp. 56, 57 “The future of U.S. Chemistry Research: Benchmark and Challenges, National Research Council (publ. 2000) for a very sober & realistic assessment of our current standing in the U.S. & the world. Also, NSF no longer even includes us as a subheading for Ph.D. in chemistry because our numbers are so low over the past few years. <p><u>Additional THREATS generated during the Strategic Planning Session 8/18/07</u></p> <ul style="list-style-type: none"> • Other competitive meetings. Where do we belong? • Employers are only paying for one meeting. • Large number of competing activities. • More diverse – how to coalesce this diversity 	<ul style="list-style-type: none"> •

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Goals – Actions – Steps

Goal #1: Provide a platform for career mentoring, networking, professional advancement, and leadership opportunities for young nuclear chemists (i.e., undergraduates, graduates, and junior professionals).	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 1.1: Maintain annual grad symposium.		Recurring yearly				
Step 1.1.1:						
Step 1.1.2:						
Step 1.1.3.:						
Action 1.2: Organize social event, allowing interaction, for participant and interested parties.		After symposium				
Step 1.2.1:						
Step 1.2.2:						
Step 1.2.3.:						
Action 1.3: Send out announcement of blog's existence.		After blog is done.		Nitsche	Completed June 2008	
Step 1.3.1: create blog		Feb 2008	Nitsche/McGrath	Nitsche	Completed April 2008	
Step 1.3.2:						
Step 1.3.3.:						
Action 1.4: Contribute to speakers' bureau of value of young chemists for giving talks.		Sep 2009				

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Step 1.4.1						
Step 1.4.2:						
Step 1.4.3.:						
Goal #1	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 1.5: Alert organizers of symposia to invite young chemists as Chair.		Sep 2008		Lacey/Stoyer		
Step 1.5.1						
Step 1.5.2:						
Step 1.5.3.:						
Action 1.6: Include on young chemists website fellowship at national labs in DNCT's page.		Nov 2008		McGrath/ Kinard		
Step 1.6.1						
Step 1.6.2:						
Step 1.6.3.:						
Action 1.7: Include on young chemists website fellowship at national labs in young chemist page.		Jan 2009				
Step 1.7.1						
Step 1.7.2:						

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Step 1.7.3.:						
Action 1.8: Interface with young chemist committee/division and find out resources.		Sep 2008		Wall		
Step 1.8.1						
Step 1.8.2:						
Step 1.8.3.:						

Goal #1	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 1.9: Establish committee.		Oct 2008		Wall		
Step 1.9.1						
Step 1.9.2:						
Step 1.9.3.:						
Action 1.10: Set up database mentor structure -- blank databases.		Sep 2008		Wall		
Step 1.10.1						
Step 1.10.2:						
Step 1.10.3.:						
Action 1.11: Set up database mentoree (?)/protégé -- blank databases.						
Step 1.11.1						

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Step 1.11.2:						
Step 1.11.3.:						
Action 1.12: Write/publish text/fliers/questionnaires to recruit mentors and mentorees?/protégé		Sep 2008		Mignerey		
Step 1.12.1						
Step 1.12.2:						
Step 1.12.3.:						

Goal #1:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 1.13: Identify/recruit mentors.		Dec 2008				
Step 1.13.1						
Step 1.13.2:						
Step 1.13.3.:						
Action 1.14: Identify/recruit mentees.		June 2008				
Step 1.14.1						
Step 1.14.2:						
Step 1.14.3.:						

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Action 1.15: Enter/set-up recruit database.		August 2008				
Step 1.15.1						
Step 1.15.2:						
Step 1.15.3.:						

Goal #2: Develop and facilitate events and communication tools that significantly increase collaborative and networking opportunities across diverse specialties and demographics, so as to build a real and virtual community.	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 2.1: Collect and post on the web a lot of job seekers and those in the position to hire.						
Step 2.1.1:						
Step 2.1.2:						
Etc.						
Action 2.2: When feasible, organize a tour of nuclear facilities near a meeting.						
Step 2.2.1:						
Step 2.2.2:						

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Etc.						
Action 2.3: Larger, more expensive gatherings at ACS meetings.						
Step 2.3.1:						
Step 2.3.2:						
Etc.						

Goal #2:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 2.4: Create a web-forum as listserv for gatherings at other meetings.						
Step 2.4.1:						
Step 2.4.2:						
Etc.						
Action 2.5: Organize gatherings at other meetings.						
Step 2.5.1:						
Step 2.5.2:						
Etc.						
Action 2.6: Active (perhaps older) members e-mail other (perhaps younger) members about meeting attending.						
Step 2.6.1:						

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Step 2.6.2:						
Step. 2.6.3						
Action 2.7: When appropriate, have more formal social events (story hours).						
Step 2.7.1:						
Step 2.7.2:						
Step 2.7.3.						

Goal #2:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 2.8: Directory of research interests.		Sep 2008		Nitsche		
Step 2.8.1:						
Step 2.8.2:						
Step.2.9.3.						
Action 2.9: Web forum for sub specialties.						
Step 2.9.1:						
Step 2.9.2:						

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Etc.						
Action 2.10: Collect information on seed grants, sabbaticals, etc.						
Step 2.10.1:						
Step 2.10.2:						
Etc.						
Action 2.11: Develop a preprint archive (or expand an existing one).						
Step 2.11.1:						
Step 2.11.2:						
Etc.						

Goal #2:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 2.12: Divisional wiki.						
Step 2.12.1:						
Step 2.12.2:						
Etc.						
Action 2.13: Collaboration listservs.						

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Step 2.13.1:						
Step 2.13.2:						
Step 2.13.3:						
Action 2.14: Proposal listserv.						
Step 2.14.1:						
Step 2.14.2:						
Etc.						
Action 2.15: Add to the newsletter an event summary, a list of interesting publications, and highlights of current research.						
Step 2.15.1:						
Step 2.15.2:						
Etc.						

Goal #3:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Enhance nuclear chemistry outreach, which will create a prominent presence at local, regional, national, and global levels, by providing timely and accurate information and by emphasizing the						

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importance of nuclear chemistry in all aspects of society.						
Action 3.1: Identify non-academic/DOE lab employers to make sure we provide services for those members (goal – financial support).		Dec 2008				
Step 3.1.1:						
Step 3.1.2:						
Step 3.1.3:						
Etc.						
Action 3.2: Construct a speakers' bureau accessible by everyone -- contain both technical and general topics – target local colleges	Info gathering	Dec 2009				
Step 3.2.1:						
Step 3.2.2:						
Step 3.2.3:						
Etc.						
Action 3.3: Print a Division brochure emphasizing breadth and importance of nuclear chemistry. Make sure to point further sources of information		Dec 2009	Requires \$ Prof. graphics and tech editing			
Step 3.3.1:						
Step 3.3.2:						
Step 3.3.3:						

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Goal #3:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 3.4: Obtain a list of press contacts from ACS – make sure they receive our experts list periodically.		Dec 2008				
Step 3.4.1:						
Step 3.4.2:						
Step 3.4.3:						
Action 3.5: Focused information for membership (regional meetings symposia topics, blogs (education, consultants, etc.)		Dec 2009 Needs ACS				
Step 3.5.1:						
Step 3.5.2:						
Step 3.5.3:						
Action 3.6. Develop a Division 3-year calendar of activities (abstract due dates, nominations and elections, topical programming).						
Step 3.6.1:						
Step 3.6.2						
Step 3.6.3.						

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Action 3.7. Develop a database of past symposia organizers, speakers, topics.		Dec 2008				Volunteers
Step 3.7.1:						
Step 3.7.2						
Step 3.7.3.						
Goal #3:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measures?	Other notes
Action 3.8. Organize a nuclear chemistry highlights session at ANS, APS.		Dec 2009				Volunteers
Step 3.8.1:						
Step 3.8.2						
Step 3.8.3.						
Action 3.9: Organize a once a year public lecture by a prominent nuclear scientist.		Dec 2009	\$			\$ or volunteers and venue -- university host?
Step 3.9.1:						
Step 3.9.2:						
Step 3.9.3:						
Etc.						
Action 3.10: Invite foreign scientists to organize symposia at ACS meetings.		Dec 2008		Lacey/ Stoyer/Jurisson		

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Step 3.10.1:						
Step 3.10.2:						
Step 3.10.3:						
Etc.						

Goal #3:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measured?	Other notes
Action 3.11: Continue symposia highlighting job opportunities paired with graduate student symposia		Dec 2008				
Step 3.11.1:						
Step 3.11.2:						
Step 3.11.3:						
Etc.						
Action 3.12: Expand co-sponsored symposia and participation ACS topical programming.		Dec 2008				
Step 3.12.1:						
Step 3.12.2:						
Step 3.12.3:						
Etc.						

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Action 3.13: Find opportunities for co-sponsoring symposia at international meetings.		Dec 2009				Volunteers
Step 3.13.1:						
Step 3.13.2:						
Step 3.13.3:						
Etc.						

Goal #3:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measures?	Other notes
	Action 3.14: Investigate opportunities for increased nuclear chemistry presence at governmental planning venues.	Dec 2009				Volunteers
	Step 3.14.1:					
	Step 3.14.2:					
	Step 3.14.3:					
	Etc.					
	Action 3.15: Encourage members to participate in ACS speaker bureau.	Dec 2008				
	Step 3.15.1:					
	Step 3.15.2:					

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Step 3.15.3:						
Etc.						
Action 3.16: Brief congress on issues and research and advancements involving nuclear chemistry – ACS has a mechanism for this process.		Dec 2009				Volunteers
Step 3.16.1:						
Step 3.16.2:						
Step 3.16.3:						
Etc.						

Goal #3:	What must be done?	By when	How much \$\$\$?	Who leads?	How will outcomes be measures?	Other notes
	Action 3.17: Develop a nuclear chemistry module for high school students – accessible via the web site.	May 2009				Volunteers
	Step 3.17.1:					
	Step 3.17.2:					
	Step 3.17.3:					
	Etc.					