



*A Letter from
the Director,
Office of Science Policy*

Welcome to the second edition of the OSP Quarterly, featuring the ever-elusive Planning Process! Seriously, we have dedicated this issue to Planning in the interest of providing clarification and a better understanding of OSP's role in the process.

OSP serves as ORD's key point of contact for EPA Regional and Program Offices for both regulatory development support and research planning. We work closely with our colleagues across EPA to fully understand their priorities and to better align ORD's research program to meet their scientific needs. This edition is dedicated to explaining that critical role of OSP.

On a personal note, I write this introduction knowing that it will be the last time I will write to you as the Acting Director of OSP. By the time you receive this issue, I will have moved on to a new assignment in EPA's Office of Solid Waste and Emergency Response, as the Director of the Chemical Emergency Preparedness and Prevention Office.

While I look forward to the challenges of my new assignment, I am reminded of the last 7 years I have spent with ORD – the last 2 of which were right here in OSP! As most of you know, I joined OSP from ORD's Office of Resources Management and Administration (ORMA), for what was to be a 6-month detail. That was almost 2 years ago and although I did not expect that the assignment would have lasted this long, the appreciation I have gained for the work and the people of OSP is beyond compare. So it is with mixed emotions that I write this note, but with great

Letter continued on p. 2

Research Planning 101

As the principal scientific and research arm of the Agency, the Office of Research and Development (ORD) conducts research and fosters the use of science and technology in fulfilling EPA's mission. ORD plans its research through a multi-year planning process, which communicates the direction of the research program over the next 5 to 10 years and is based on Agency priorities, direction from ORD senior leadership, and external input. The Multi-Year Plan (MYP) identifies and explains ORD's long-term goals and associated EPA Government Performance and Results Act (GPRA) goals, as well as the supporting annual performance goals (APGs) and annual performance measures (APMs). Currently, MYPs are being developed or updated for 16 research topics. This ORD-led process has been designed to effectively include the expertise of the ORD Labs, Centers, and Offices, as well as the Regions and Program Offices. The following is a quick summary of how the Research Planning process works.

The People

OSP has the lead role in facilitating the development of the MYPs. Two or more OSP staff members work together with a lead expert, known as a Media Manager, to form cross-organizational teams designed to support the sound development of these plans.

The Media Managers report to OSP's Associate Director for Science and are experts on specific media (i.e., air, water, waste, pesticides/toxics, and multi-media). They serve as the lead for a Research Coordi-

nation Team (RCT). The RCTs include the lead media expert from each ORD Lab and Center (Assistant Lab and Center Director, commonly known as ALD and ACD), as well as representatives from the associated Program Office and the lead Region. The RCT also includes representation from ORD's Office of Resources Management and Administration (ORMA), that has overall responsibility for ORD's budget.

Members of the OSP Planning Staff serve as Theme Planners for each of the aforementioned media. Theme Planners are the OSP subject matter experts who work closely with the appropriate OSP Media Manager. Theme Planners coordinate research planning activities with the RCT. Additionally, there is a Planning Support Team within the Planning Staff, that is responsible for providing information and cross-media support for research planning activities. This team develops guidance and processes for use by the RCTs in developing recommendations for ORD research priorities and direction for annual and multi-year planning. The team also is responsible for coordinating input from the ORD Science Council for long-range initiatives.

OSP's Program Support Staff is organized by teams that focus on specific media through input provided by representatives from the associated Program Offices. Through the interaction of the Program Support Staff with the Media Managers,

Planning 101 continued on p. 3

What's Inside

Research Planning 101	1
Wilson Center's Series: Genomics and Our Environmental Future	2
Goal 8 Update	2
OSP Assists in Revision of EPA Website.....	2
OSP Off-Site Meeting June 12-13, 2002	3
Regional Science Program Update	4
Regional Update	4
HSTLs Facilitate Technical Support to Regions	4
ORD/OPPTS Seminar Series Has Begun	5
Staff Corner	6
Calendar of Events	7



Wilson Center's Series: Genomics and Our Environmental Future

How will genomics-related science and technologies (including proteomics and bioinformatics) impact the way EPA implements environmental regulations? With partial funding from ORD, the Woodrow Wilson International Center for Scholars organized the first of a series of events exploring this issue. On March 7, representatives from EPA, nongovernmental organizations (NGOs), and industry listened as Dr. Gary E. Marchant, Executive Director of the Center for Law, Science and Technology at Arizona State University, spoke about the potential regulatory impacts of genomic research.

Dr. Marchant, who holds a Ph.D. in genetics in addition to his law degree, posed questions such as, "Could information on changes in gene expression be construed as an 'adverse effect' under the Clean Air Act?" and "Could information on genetic susceptibilities to disease be used to develop

health-based standards to protect susceptible subgroups?"

The technology provoking these questions is the DNA microarray (sometimes referred to as a "gene chip"), which facilitates simultaneous monitoring of the expression levels of thousands of genes. Dr. Thane Kreiner, Vice President for Corporate Affairs for Affymetrix, Inc., a leading manufacturer of DNA microarray technology, spoke about the possible applications of the technology, such as pathogen detection, environmental toxicology, and ecosystem diversity.

A video of Dr. Marchant's and Dr. Kreiner's presentations, as well as slides and white papers, are available at [http://www.hq-ord.epa.gov:9876/OSP/OSPHTML.NSF/IMAGE/Omics/\\$File/genome1.htm](http://www.hq-ord.epa.gov:9876/OSP/OSPHTML.NSF/IMAGE/Omics/$File/genome1.htm). For information on Futures activities, please contact Pasky Pascual at 202-564-2259 or pascual.pasky@epa.gov. ■

Goal 8 Update

The FY 2004 planning cycle began with resurrecting the Goal 8 (Multi-Media) RCT's six Planning Workgroups. These workgroups were created in FY 2002 because of the size and scope of the Goal 8 RCT research portfolio (approximately 40% of the planned resources). After 2 years of experience, the workgroups continue to provide valuable fora for identifying, reviewing, evaluating, and deliberating the science. In preparation for the Goal 8 RCT's final planning decisions meeting in mid-February 2003, the Goal 8 team ensured all six workgroup recommendations were overlaid with the respective six FY 2003 President's Budget categories. In addition, the Goal 8 RCT integrated the rankings of ORD Goal 8 research for both Science to Achieve Results (STAR) and non-STAR efforts. It is the RCT's recommendation that the approach be repeated for

next year with the goal of developing a better way to summarize the planning. For more information on the Goal 8 RCT, please contact Ed Washburn at 202-564-1134 or washburn.edward@epa.gov. ■

Letter (Continued from p. 1)

pride and appreciation too. It has been an honor and a privilege to have served OSP and the Office of Research and Development and I will look back on these years fondly. The value of this experience is only surpassed by the friendships I have gained.

Enjoy this edition of the Quarterly and keep up the good work!

Subbie Dietrich

OSP Assists in Revision of EPA Website

EPA's Web Workgroup has been coordinating a pilot project focused on transforming certain areas of the EPA Website to topics-based informational sites. In late December, four workgroups were formed and each assigned a cross-programmatic topic for which there existed a large body of Web content—pesticides, lead, indoor air, and wetlands.

This wide-scale reorganization of diverse content required representation by a committed body of communications and program staff throughout the Agency. To ensure that ORD science was linked within these topics, an OSP representative with appropriate expertise served on each pilot workgroup. OSP workgroup members were: Lawrence Martin—Wetlands, Laurel Schulz—Indoor Air, James Avery—Lead Poisoning, and Heather Harris—Pesticides. Most workgroups met on a weekly or biweekly basis to develop these topics-based informational sites.

The experiences of the workgroups are described in Topics Pilot Report. After review by OCEMR and OEI, a final report will be prepared that can be used throughout EPA to aid in the move towards a topics-based Website. For further information, contact Heather Harris at 202-564-8239 or harris.heather@epa.gov. ■

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Research Planning 101

(Continued from p. 1)

the research needed to support regulatory and policy decisions is incorporated into the planning process.

The Process

The RCTs play a pivotal role in ORD's research planning process, as they are responsible for coordinating research efforts with the Program Offices and Regions, assessing research, recommending priorities, facilitating integration and communication, and helping the lead author (who is the National Program Director or other expert as designated by the ORD Science Council) to write the MYPs. Each team supports specific GPRA goals corresponding to the knowledge and expertise of the team.

The RCTs conduct regular conference calls to provide status reports and evoke discussion on ongoing activities, propose new research initiatives, coordinate cross-Program and cross-Lab/Center efforts, and plan scientific meetings. They meet several times each year to conduct annual research planning, host scientific meetings, and resolve issues pertinent to their media. RCT members also provide input to the MYPs, and assist in writing and reviewing them. The MYPs are reviewed annually by ORD senior

management in conjunction with the ORD Science Council and the RCTs. These reviews are conducted to confirm that the research is on schedule, is consistent with Agency needs, reflects the current state-of-the-science, and complements the work of other organizations.

The RCTs devote considerable time to developing the annual research proposal. Before developing the proposal, RCTs engage in a series of information gathering activities including: reviewing background materials, such as research plans and strategies as well as priorities of the Committee on Environment and Natural Resources (CENR), under the National Science and Technology Council (a cabinet-level council reporting to the President); hosting discussions with Program and Regional Offices in scientist-to-scientist meetings, and holding staff-level progress and Assistant Administrator level strategic reviews to discuss research direction, present research results, identify issues and research needs, and define future programmatic and regulatory directions; and reviewing the ORD Executive Council planning guidance.

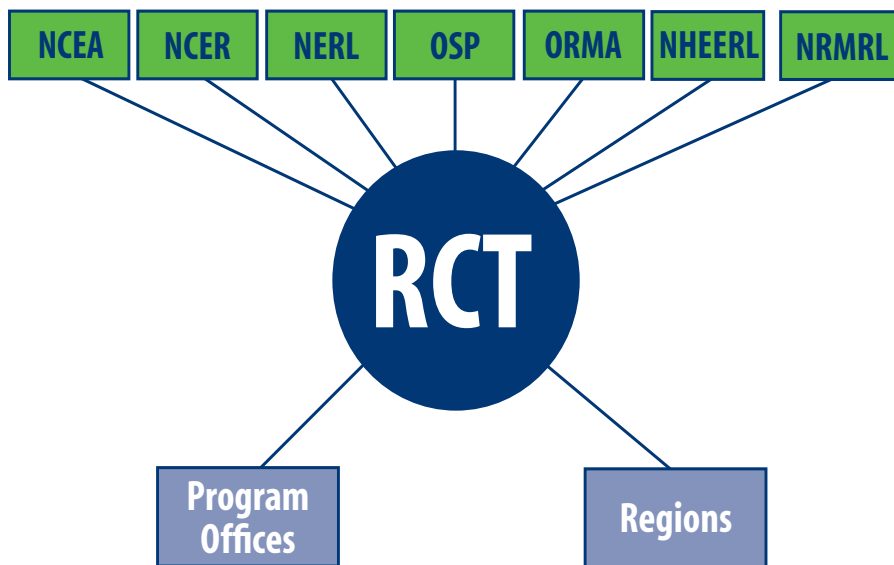
Proposal development includes distributing resources across long-term goals for both the intramural and extramural (Science To Achieve Results or STAR) programs and developing a priority ranking.

In essence, the RCTs maintain the coherence for planning scientific research and funding allocations within their GPRA goals through customer input and ensure that ORD is focused on the highest priority science for the Agency.

For more information on the research planning process, please contact Paul Zielinski at 202-564-6772. ■

OSP Off-Site Meeting June 12-13, 2002

The OSP staff gathered in Washington, DC, on June 12th and 13th for an off-site retreat. Over the 2 days, OSP staff learned about each other personally, as well as the prominent roles that the Office plays for ORD and the Agency. Keynote speakers included Paul Gilman, ORD's Assistant Administrator and EPA's Science Advisor; David Rejeski from the Woodrow Wilson International Center for Scholars; and Jay Benforado, Deputy Assistant Administrator of EPA's Office of Policy, Economics, and Innovation. Interspersed among some structured networking among staff and a group lunch, each major office function was highlighted by some very creative and memorable presentations. After three different keynote speaker perspectives on the future, four break-out groups discussed their views of future roles for OSP, which was followed by a plenary session with summaries from each and a general discussion. Most of the Office completed the Myers-Briggs Type Indicator survey prior to the meeting, in anticipation of a session describing OSP in terms of Myers Briggs Indicators. As far as we can tell, OSP does not have anyone identified as an ISFP type, but all of the other 15 major Myers-Briggs type categories are found within OSP. The meeting also included a training session focused on OSP's diversity action plan. For further information about the retreat, contact Ed Washburn at 202-564-1134 or washburn.edward@epa.gov, or Pasky Pascual at 202-564-2259 or pascual.pasky@epa.gov. ■





Regional Update

Jeff Morris and David Klauder continued their tour of the Regions, visiting Region 2 on March 7. On this trip to New York City, they were joined by Estella Waldman from NCER. All three participated in a Regional Science Council meeting and a subsequent discussion focused on regional science priorities and ongoing ORD research and technical

support programs and projects responsive to these interests. In the afternoon, Barbara Finazzo, Director of the Regional Science and Technology Division, gave the ORD group a tour of "Ground Zero." For further information on Regional Science Activities contact David Klauder at 202-564-6496, or at klauder.david@epa.gov. ■

Regional Science Program Update

Two additional Regional/ORD Science Topic Workshops were held in June. The **Regional/ORD Critical Ecosystems Workshop** was held in Keystone, Colorado, on June 17 - 20. The workshop focused on science and science policy issues relevant to the identification and evaluation of ecosystems that meet specific chemical, physical, and socio-economic conditions set by EPA Regions and other federal agencies (e.g., U.S. Geological Survey and U.S. Department of Agriculture/Forest Service), and also by non-profit environmental organizations (e.g., The Nature Conservancy).

The workshop agenda included sessions on endpoints and measures used in assessments, how to determine "criticality," assessment data and tools, and the integration of assessment results into EPA program activities. The workshop was attended by more than 70 people, including 35 in attendance from the Regions and 22 from ORD. One of the outcomes of the workshops was the formation of a Steering Committee to further efforts initiated at the meeting to integrate existing critical ecosystem assessment approaches and to form partnerships with potential users of the approach at federal, state, and non-profit levels.

The second Regional/ORD Science Topic Workshop, the **Air Toxics Assessment Workshop**, was held in San Francisco, California, June 25 - 27. This workshop focused on two exposure assessment questions:

- (1) What is our inhalation exposure to toxic chemicals of concern in our Region (at a "screening level of certainty")?
- (2) What is our inhalation exposure to toxic chemicals of concern in our community (at a "high level of certainty")?

Air toxic chemical exposure assessment case studies were presented at these two scales by several EPA Regions and three states. ORD and Office of Air and Radiation (OAR) scientists and managers presented information on monitoring methods, modeling tools, and assessment procedures. One of the highlights of the workshop was an interactive small group exercise during which participants designed an air toxics monitoring network. More than 100 people attended the workshop, including 50 from the Regions and 18 from ORD.

Both of the Regional/ORD Science Topic Workshops held in June achieved their objectives of establishing: (1) a better understanding among Regional, ORD, and interested EPA Program Office scientists of the nature of the regional science issues for each topic and the availability of data and tools to address these issues; and (2) a cross-Agency network of scientists working on each topic who will continue to work together as the Agency moves forward in planning education, research, and risk management programs on these topics. For further information on Regional Science Activities, contact David Klauder at 202-564-6496 or klauder.david@epa.gov. ■

HSTLs Facilitate Technical Support to Regions

In a 3-month period, OSP's Hazardous Substance Technical Liaisons (HSTLs) conducted approximately 180 technical support actions for Superfund sites. The HSTL Program facilitates ORD's technical support to regional Office of Solid Waste and Emergency Response (OSWER) activities. The activities described below represent a sampling of recent HSTL efforts.

Region 1: Steve Mangion's technical support efforts were focused on the OK Tool/Savage Municipal Well Superfund site and Loring Air Force Base (AFB). Steve also is involved in developing a document on performance monitoring for monitored natural attenuation (MNA), and he attended a workshop on sediments and sediment mobility, as well as the MARSSIM (Multi-Agency Radiation Survey and Site Investigation Manual) kick-off meeting in Las Vegas, NV.

Region 2: Jon Josephs has been working on the Bell Aerospace Textron, Bridgeport Rental and Oil Services, and the Burnt Fly Bog Superfund sites. He distributed information about various projects including the SITE Program solicitation for remedial technologies to treat PCB/dioxin-contaminated sediments and the opportunity to make recommendations about proposed ORD/Army Corps of Engineers collaborative research on remediation of contaminated sediments. Jon also arranged a presentation on the Westbay Multilevel Groundwater Sampling System, and attended the Remedial Technologies Development Forum's Sediments Action Team meeting in Baltimore. He scheduled a meeting with representatives of the New York University (NYU) School of Medicine to discuss NYU's participation in the

HSTLs continued on p. 5



HSTLs (Continued from p. 4)

Superfund Basic Research Program, research on health effects associated with exposure to fine particulate air pollution, and community outreach in Manhattan following September 11.

Region 3: Norm Kulujian is facilitating ORD technical support for the Fike, Hellertown, Fairmont Coke Works, and Sand, Gravel, and Stone Superfund sites. He has contacted the Ada, Cincinnati, and Las Vegas Technical Support Centers to provide assistance for these sites. Norm also developed and submitted to ORD a homeland security proposal on assistance related to terrorist threats and attacks.

Region 4: Felicia Barnett has devoted her efforts to the T. H. Agriculture Superfund site and the Ft. Gillem Federal Facilities site. She contacted the Technical Support

Centers in Cincinnati and Ada about risks associated with using potassium permanganate in groundwater treatment. Felicia also contacted project managers in Region 4 to discuss the possibility of obtaining samples from some mercury-contaminated sites for ORD research needs. She also is working with the Oak Ridge Site Technology Coordination Group and the Presumptive Remedies Work Group. Felicia has been appointed the new Diversity Sponsor for OSP, and has coordinated Diversity Training Sessions.

Region 8: Jim Dunn is supporting projects at the Upper Ten Mile Creek and Basin Mining Area Superfund sites. He also assisted with the design of an implementation strategy for the Homestake/Lead indemnification law, and reviewed and commented on innovative technology proposals for the Summitville site as well as the Gilt Edge Mine site. In addition, Jim provided planning support for the Hardrock Mining 2002 confer-

ence, reviewed the 2002 Regional Applied Research & Evaluation (RARE) proposals for Region 8 projects, attended the Tailings and Mine Waste '02 Conference and Symposium, and participated in the Methods for Estimating Ground-Water Recharge National Workshop.

Region 9: Mike Gill has been supporting the Palos Verde Shelf, Cooper Drum, and Edwards AFB sites. His efforts have included the Energy Audit Initiative, and participation in the National Environmental Technology Challenge (NETC) workgroup meetings. Mike also participated in the monthly Interstate Technology and Regulatory Council MTBE Team conference calls. He hosted the Defining Ecological Populations seminar, and presented an overview on remedial technologies at a San Diego conference.

For information on HSTL activities, contact either Randy Wentzel at 202-564-3214 or wentzel.randy@epa.gov, or Mike Gill at 415-972-3054 or gill.michael@epa.gov. ■

ORD/OPPTS Seminar Series Has Begun

ORD and the Office of Prevention, Pesticides and Toxic Substances (OPPTS) kicked off this year's seminar series focusing on pesticide- and toxic-related issues on April 3rd. The ORD/OPPTS Seminar Series is scheduled for every other Wednesday. A morning presentation will be held from 10:30 a.m. to 12:00 noon at the EPA East Building, and telephone lines will be available. The afternoon presentation will be held at Crystal Mall II in the 11th floor fishbowl from 2:00 to 3:30 p.m.

The topic of the first Seminar Series presentation was "Exposure Research to Reduce Uncertainties in Children's Health and Risk Assessments." Nicolle Tolve of the National Exposure Research Laboratory (NERL) presented an overview of four different research efforts on the Analysis of Mouthing Data, Residential Post-Application Field Studies, a Child Care Center Survey, and a Residential Pesticide Study.

The second Seminar Series presentation was held on May 15th. Matthew Lorber of the National Center for Environmental Assessment (NCEA) presented the "Development of an On-Line Database on Body Burdens of Pesticides, Bioaccumulative Toxics, and Other Contaminants of Concern."

On May 29th, the Seminar Series presentation was entitled "The Distribution of Chlorpyrifos Following a Crack and Crevice Type Application in the U.S. EPA Indoor Air Quality Research House." Daniel Stout of NERL and Mark Mason of the National Risk Management Research Laboratory (NRMRL) described a study conducted in the Indoor Air Quality test house to determine the spatial and temporal distribution of chlorpyrifos following a professional crack and crevice application in the kitchen.

The June 12th Seminar Series presentation by Jerry Blancato of NERL was entitled "Use of Physiologically Based Pharmacokinetic

(PBPK) Modeling in Risk Assessment and Other Decision Processes."

On June 26th, Thomas Pfleeger of the National Health and Environmental Effects Research Laboratory (NHEERL), presented "A Regional Approach to Ecological Risk Assessments for Product Registration." This Seminar Series presentation described the efforts of EPA scientists at the Corvallis laboratory who are in the process of developing a research program to test the assumption that the test species presently used for ecological risk assessments for EPA registration are representative, and therefore protective, of all species within the United States and in many cases other parts of the world.

As additional seminars are scheduled, announcements will be posted as ORD-ALL. For further information on this series, contact Greg Susanke at 202-564-9945 or susanke.greg@epa.gov. ■

STAFF CORNER

(January thru June 2002)

New OSP Acting Director Named

Paul Gilman has appointed Kevin Y. Teichman as the Acting OSP Director for (at least) 120 days starting July 7th. Debbie Dietrich has accepted the position of the Director of the Chemical Emergency Preparedness and Prevention Office (CEPPO) in the Office of Solid Waste and Emergency Response (OSWER).

Robert (Bob) Dyer will serve as the Acting OSP Associate Deputy for Science for (at least) 120 days starting July 21st. Bob comes to us from NHEERL in Research Triangle Park, NC, where he serves as Director of NHEERL's Research Planning and Coordination Staff, and supervises NHEERL's Assistant Laboratory Directors (ALDs), the NHEERL peer review process, the ORD drinking water and particulate matter program managers, and NHEERL's Special Assistant for Regulatory Support.

Welcome to Our New Folks

Tim Benner joined the Air Media Team of OSP's Program Support Staff on March 25th. He has Ph.D., and an M.S. in Atmospheric Science from the University of Colorado, and a B.S. in Physics from MIT. He served in the Navy and was a legislative fellow in Senator Leahy's office, where he worked on air-related issues.

Danielle Tillman joined the Water Team of OSP's Program Support Staff on May 6th. Danielle has a B.S. in Biology and Environmental Science, and a Ph.D. in Biological Sciences. She comes to OSP from Region 5, where she worked for the Water Quality Branch and was on a detail to the Office of Wetlands, Oceans, and Watersheds.

Erik Winchester joined the Water Team of OSP's Program Support Staff on June 17th. He has an M.S. in Biology from Arkansas State University, and a B.S. in Biology from Virginia Tech. He comes to OSP from the Office of Water's Office of Science and Technology.

Anita Street joined the Cross-Cutting Initiatives Team of OSP's Cross Program Staff on July 1st. She has an M.P.H. in Environmental Sciences from Columbia University, and a B.S. in Biological Sciences from the University of California-Davis. She comes to OSP from the Office of the Chief Financial Office's Office of Planning, Analysis and Accountability.

Mojgan (Maggie) Javdan joined the Water Team of OSP's Program Support Staff on July 22nd. She has a B.S. in Civil Engineering from the University of Maryland, and an A.A. in Engineering from Charles County Community College. She comes to OSP from the Office of Water's Office of Ground Water and Drinking Water.

Details/Training Assignments

Tanya Scott will serve a 120-day detail to OSP's Administration and Special Projects Team effective July 14th. Tanya, who will provide administrative support in the human resources area, comes to OSP from ORMA.

Career Development Reassignments

Effective June 16th, Donna Dews, Rochelle Perry, and Claudette Davis were reassigned from Secretaries to Program Assistants (GS-344). This was a year-long effort to provide the OSP secretaries a career development opportunity to bridge to the program's assistant series. A partnership was established between the secretaries and members of the Administration Team, which supports the Office on all matters relating to financial and administrative management. This career development effort not only provides extra skills for the secretaries, but also provides Administration Team members extra skills in performing more advanced duties.

Congratulations to Award Recipients!

Larry Fradkin was recognized with a 2001 Honor Award—a Silver Medal for his effort in the Ford/EPA Hybrid Vehicle Partnership. Bronze Medals were awarded to:

Molly Whitworth for her efforts in the Stressor Identification and Evaluation Workshop

Claudia Walters and Rochelle Perry for their efforts on the Tribal Science Council Implementation Team

Richard Garnas for his efforts on ORD Organizational Development.

OSP's Kevin Teichman, Megan Grogard, and Sarah Bauer were part of the team awarded the ORD Teamwork Award, for their collaborative, cross-organizational, and cross-discipline performance in bringing about the outstanding EPA Science Forum 2002: Meeting the Challenges.

During the OSP All Hands Meeting June 12-13, six OSP staff members were recognized by their co-workers for delivering quality customer service. Those receiving the OSP Customer Service Peer Recognition Award were Anthony Grimm (A-Team and second time winner), Ruth Partridge (A-Team), Jeff Morris (Cross Programs), and Kathleen Thompson, Monica Rodia and Claudette Davis (Planning).

Cruise the OSP Home Pages

Take a moment to check out the revised OSP Home Pages on the Internet (<http://www.epa.gov/osp>) and Intranet (<http://intranet.epa.gov/ospintra/>). The Internet site provides general information on OSP and detailed information on features and upcoming events. The ORD Strategic Plan and the Science Policy Council pages were migrated to this new site. The Intranet site provides a brief overview of who we are, with more detailed descriptions of our mission and the work we do. Recent postings include the OSP Quarterly reports, and slides and workshop reports for the Regional Science Topic Workshops ... see the "What's New" corner on the front page. Information is updated on a continual basis. Do you have anything to post on OSP's Internet or Intranet pages? Contact Heather Harris at harris.heather@epa.gov or 202-564-8239 for information. ■

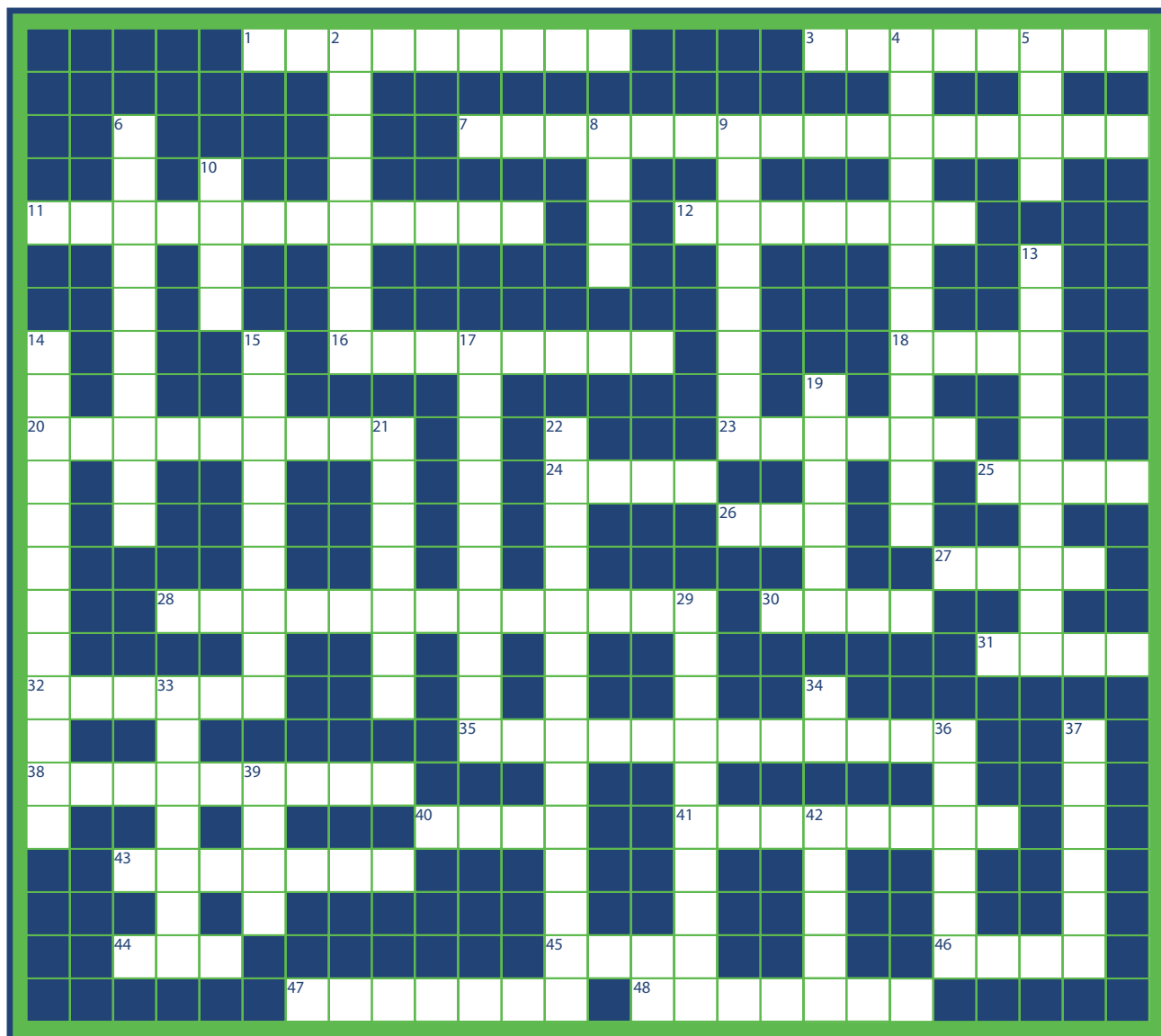
Calendar of Events

Date	Event	Location	Contact
May 1-2, 2002	EPA Science Forum 2002	Washington, DC	Larry Reiter 919-541-2281 Mary McCarthy O'Reilly 202-564-6487
May 7-9, 2002	2nd EMAP Symposium (in tandem with STAR Workshop 5/10/2002)	Kansas City, MO	EMAP: Michael McDonald 919-541-7973 STAR: Barbara Levinson 202-564-6911
May 15, 2002	ORD/OPPTS Seminar Series Presentation	Washington, DC Crystal City, VA	Jackie McQueen 202-564-6639
May 29, 2002	ORD/OPPTS Seminar Series Presentation	Washington, DC Crystal City, VA	Jackie McQueen 202-564-6639
June 4, 2002	ORD/OAR Program Support Meeting (Air Team)	Washington, DC	Bob Fegley 202-564-6786
June 4-5, 2002	Workshop: Issues in Assessing and Managing Ecological Risks at Contaminated Sediment Sites	Chicago, IL	Stiven Foster 202-564-2239
June 4-7, 2002	National Tribal Conference on Environmental Management	Reno, NV	Claudia Walters 202-564-6762
June 12, 2002	ORD/OPPTS Seminar Series Presentation	Washington, DC Crystal City, VA	Jackie McQueen 202-564-6639
June 17-20, 2002	Region/ORD Science Topic Workshop on Critical Ecosystems	Keystone Center, CO	Patti Tyler 303-312-6081
June 24-27, 2002	6th Annual Green Chemistry & Engineering Conference Meeting	Washington, DC	Barbara Karn 202-564-6824
June 25-27, 2002	Region/ORD Air Toxics Workshop	San Francisco, CA	Winona Victory 415-972-3736
June 26, 2002	ORD/OPPTS Seminar Series Presentation	Washington, DC Crystal City, VA	Jackie McQueen 202-564-6639
June/July 2002	Human Health Research Strategy Review by the SAB	Research Triangle Park, NC	Hugh Tilson 919-541-4607
July 30 or 31, 2002	1-day Regulatory Training Course for ORD Managers (OSP only)	Washington, DC	Dennis Utterback 202-564-6638
August 28-29, 2002	Nanotechnology Grantees Workshop	Crystal City, VA	Tina Conley 202-564-3209
September 4-5, 2002	Coastal Intensive Site Network (CISNet) Final Progress Review Workshop	Edgewater, MD	Tina Conley 202-564-3209
Late Summer/Fall 2002	1-day Regulatory Training Course for ORD Managers (Labs/Centers only)	Washington, DC Cincinnati, OH Research Triangle Park, NC	Dennis Utterback 202-564-6638
September 24, 2002	Aquatic Ecosystem Classification Progress Review Workshop	Denver, CO	Tina Conley 202-564-3209
Fall 2002	Scientist-to-Scientist Meeting With OW on Air Radiation	TBD	Mimi Dannell 202-564-9944
October 29-31, 2002	Endocrine Disruptors Research Program Workshop	Research Triangle Park, NC	Tina Conley 202-564-3209
November 6-7, 2002	PBPK Scientist-to-Scientist Meeting	Crystal City, VA	Jackie MaQueen 202-564-6639 Karen Hammerstrom 202-564-3258
November 19-20, 2002	Water and Watersheds Progress Review Workshop	Las Vegas, NV	Tina Conley 202-564-3209
December 16-19, 2002	NEJAC Meeting on Pollution Prevention and Environmental Justice	Baltimore, MD	Marva King 202-564-2599 Brenda Washington 202-564-6781
To be determined	ReVA Workshop	Research Triangle Park, NC	Betsy Smith 919-541-0620
To be determined	ORD/Regional Science Topic Workshop on Cumulative Risk	To be determined	Michael Callahan 214-665-2787

Crossword Puzzle

EPA/600/N-02/005B

July 2002



Across

- 1 CERCLA
- 3 Martin's Web topic area
- 7 Annual ones included in MYPs (2 words)
- 11 Media expert who reports to OSP's Associate Director
- 12 Presenter at "Genomics and Our Future" Seminar
- 16 Focus of Wilson Center Series
- 18 Assistant Laboratory Directors
- 20 Schulz's Web topic area (2 words)
- 23 Poisons
- 24 Data
- 25 STAR Center
- 26 Plays a pivotal role in ORD's research planning process
- 27 Associate Center Directors
- 28 Avery's Web topic area (2 words)
- 30 Matthew Lorber's Center
- 31 OSP's support for regional OSWER efforts
- 32 U.S. has 50
- 35 Region 3 HSTL
- 38 Complex of a community functioning as an ecological unit in nature
- 40 Office of Resources Management and Administration
- 41 Acting Director of OSP
- 43 Ground zero tour guide
- 44 Identifies 5-10 year research direction
- 45 Committee under NSTC
- 46 365 days
- 47 NCEA and NCER
- 48 Executive _____

Down

- 2 Topic of April Quarterly
- 4 Research Planning Activity Coordinator
- 5 Federal agency that gathers data on global oceans and atmosphere
- 6 Topic of May 15 Seminar Series
- 8 Number of workgroups for topics-based Web sites
- 9 Executive Director of Center for Law, Science and Technology at Arizona State University
- 10 Regional Applied Research Effort
- 13 Diazinon and chlorpyrifos
- 14 Native American concerns (2 words)
- 15 Required by 1993 Act for measuring agency performance and effectiveness (2 words)
- 17 To perform R&D to identify, understand and solve current and future environmental problems (2 words)
- 19 _____ species
- 21 EPA has 10
- 22 Genomics-related science and technologies
- 29 WTC site
- 33 Experts do it in court
- 34 Environmental Justice
- 36 Region 2 Headquarters
- 37 OSP's new guy
- 39 NCER's extramural research program
- 42 The T in TSCA