



The National Association of Environmental Professionals

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NAEP National E-News March 2009

President's Report – from Past to Present



NAEP members and Chapter members:

This past quarter in the United States has been much like the past one for NAEP leadership. Your Executive Officers and Board of Directors have had some extreme challenges and more than a few trying times in the past year. There has been lots of stress with daily and weekly calls. Some

issues that have demanded our immediate and undivided attention have dealt with our Association's well being. Add in the recent impacts the economy has had on our jobs as environmental professionals and you get the idea.

However, this environment of challenge is where your leadership shines. We have chosen to focus on progress and keeping the environmental professions relevant in these changing times. Many of us are seeing more work for less pay, and in some cases just less work. Sometimes despite ourselves, we have achieved great progress. There has been criticism as each issue has been faced and discussed. That is to be expected in an Association of brilliant minds and hard working characters. I am proud to say despite the odds, we have achieved great progress and are still moving forward. That progress has only occurred as a result of tremendous dedication and personal commitment by the leadership. Your Officers and Board have shown great leadership in our ability to use our available support to define weekly priorities, and take weekly action.

Your executive leadership has also paid attention to the obvious changes in our government. The day to day advancements of the stimulus packages have provided us with ideas for the future of the profession. The Association outreach has sought to have significant input into the details of these changes. Internally, our association's challenges have been addressed by the leaders of our Strategic Initiatives. We have had frank surveys of issues that have plagued us for years. Our strategic planning efforts have taken the results of those surveys and used them to address our biggest challenges to success.

As has been the case ever since I joined NAEP almost twenty years ago, during our strategic planning process, members have volunteered to take on issues and rolled up their sleeves and went to work redefining NAEP and resolving concerns. I wish to thank all of our Board Members who have looked at

the present, knowing the good, bad and ugly of the past, and rose to the occasion to redefine our association and move forward rather than looking backward. I am proud and very happy to say that those in your association leadership chose the path of facing issues and concerns and making steps to solve them.

We have done something about the membership numbers and we are already benefiting from that action by seeing old faces returning to the fold. From the list at the end of this news letter, you can also see that we are still attracting new members. For August 2008 to March 2009, these 60 new members represent the fruits of those membership efforts. They also represent our future success and are the people we need to meet and greet at the conference in May.

This is good news. However, this success has not been accomplished without trial and error. We have certainly learned that NAEP is not an organization that is easy to support or keep running week to week. We are unique and we have unique needs.

As we prepare to move on to a new executive leadership and new association support, we continue to make progress on the issues at hand. The membership can rest assured it is through input from our entire membership that we are seeing fresh ideas and stronger leadership. While in times past it has seemed like an association run by a select few active members interpreting what they thought was best, the fresh faces on the Board and attending the Board meetings are providing a new face to the Association itself, bringing new ideas.

We are in fact growing in the environmental stewardship of our profession. We have an updated and newly envisioned mission statement. We are implementing actions aimed at launching our membership growth and attracting those professionals who remain just on the periphery of our influence. As you read the article on the Colorado DOT Winter Conference, realize that the opportunity to expose NAEP to new Professionals can easily be done with a can do spirit. The Executive Committee recognized an opportunity presented to us by our RMAEP Representative Yates Opperman and were able to cover the expenses associated with the effort to help him and CDOT achieve their Conference goals. Things really are working better. The Board and Officers are seeing more creativity and less criticism, more cooperation and less intractability. While we can't call it bipartisanship, we can say that there are a lot more positive things said about how we are operating than this time two years ago.



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You as members have been kept informed all along the way and there should be little question as to how we are moving ahead. We are addressing our affiliation agreements with chapters and you should be witnessing the improved communications and monthly efforts to keep your chapter and NAEP membership informed on operations and providing each Chapter with the positive results of our renewal efforts.

You have a well defined and accurate budget that can be relied upon to direct funds to operate and grow NAEP membership. You have a clearly described and working dynamic strategic plan that leads our organization based on your input. That input is tracked and addressed at each Board Meeting. Your new and positive leadership comes from the dedication and hard work of our Board of Directors and Executive Officers. Remember, they are volunteers and have the best interests of the professions at heart. We have been able over the last two years to become less and less reliant on our paid association administrative staff to support and to lead your organization. As it has turned out, that has worked to our advantage as we have struggled with that same support. Board members are stepping up to the plate to take on the issues we identify as important and are reporting on their actions at each Board meeting. All of this action is in support of the strategic plan and implementation plan that is aimed at keeping us effective as an association.

However, just as the new administration is attempting to address the largest crisis we have faced as a nation since the great depression, environmental professionals now face the economic realities of a business and national economy that is affecting all of our jobs and the future outlook. The

economic crisis in our nation has brought many new and unexpected events and issues each day.

We as an association have responded to the call for input to our government and stand ready to assist and provide the best environmental technology and experience available.

As one of my favorite authors, Richard Bach stated, in all crisis, "we must look at the gift in the problem." He wrote some great and inspirational books like *Bridge Across Forever* and *Jonathan Livingston Seagull*. That feeling of optimism is the overall message that I would like to leave you with. We need to take heart in what we do best and what we have to offer. This includes strengthening our numbers, participating in our upcoming conference, and yes having fun networking. NAEP is one of the few associations that keeps this important factor alive and well in our conference planning. Networking is not all about business, it is about friendships, some that have lasted for decades. You will not be disappointed in this year's conference location; probably more than any other conference site, our unique resort conference site in Arizona will provide an atmosphere of camaraderie and togetherness that can inspire the next decade-long friendships and partnerships. I guarantee you will find the upcoming conference program was planned with this important attribute in mind.

See you in Scottsdale Arizona May 2-6, at the beautiful new Fort McDowell Radisson Resort.

Jim Melton

President NAEP

Welcome New & Returning Board Members

Thank you to everyone that participated in this year's Board Elections. Our online Election survey brought in twice as many votes as last year.

CONGRATULATIONS:

Judith B. Charles
Ron Deverman

Charles Eccleston
Joseph F. Musil Jr.

The Elections Committee has reviewed the results of this month's Executive Committee Ballots and we are happy to announce the following results of that election.

CONGRATULATIONS:

President: Ron Deverman
Vice President: Paul Looney

Secretary: Harold Draper
Treasurer: Joseph Musila



New NAEP Mission Statement

Our mission is to be the interdisciplinary organization dedicated to developing the highest standards of ethics and proficiency in the environmental professions. Our members are public and private sector professionals who promote excellence in decision-making in light of the environmental, social, and economic impacts of those decisions.

Our vision is to:

- Be the primary source of unbiased information on environmental practices
- Support the advancement of the environmental professions as a whole and our individual members in their careers
- Encourage better decision-making that thoughtfully considers the full implications of those decisions

34th Annual Conference

Making Sustainability Happen: Goals, Practices, and Challenges, May 2 - 6, 2009

2009 conference is rapidly taking shape, and you won't want to miss it. There will be 4 keynote speakers covering topics from Biosphere 2 to marine photography to sustainability to NEPA. Additionally 5 tours covering sustainability, wildlife management, restoration, riparian preserve and the Grand Canyon are offered. Training workshops are available on Managing Environmental Conflict and Defining Sustainability as well as 9 concurrent tracks filled with interesting speakers and panels.

You can register online at <https://commerce.podi.com/naep/index.cfm> or go to the NAEP website at www.naep.org to download a registration form to fax or email in. Don't forget to also make your hotel reservation at the Radisson Fort McDowell, the group rate is available through the link on the NAEP conference website. Reservations may be made by calling 480-789-5300, ask for the NAEP group rate. You can also click here to make a room reservation online.

There will be lots of occasions to renew acquaintances and network with your fellow environmental professional. It's an opportunity not to be missed!

Tours During our Annual Conference

TOUR #1

ONE-DAY GRAND CANYON TOUR

SATURDAY MAY 2, 7:00 AM – 9:00 PM



Whether you are a long-time westerner or visiting for the first time, the Grand Canyon - a World Heritage Site and one of the "Wonders of the Natural World" - is a "must see" experience!

On Saturday, May 2nd, we are offering an all day tour to the Grand Canyon that includes a morning stop in Sedona! The Sedona stop will allow time to explore famous Tlaquepaque, a quaint shopping enclave set in the red rocks of Oak Creek Canyon. From there, our comfortable and fully equipped tour bus will continue up Oak Creek Canyon via scenic Highway 89A to the south rim of the Grand Canyon. We will have approximately 3 hours to enjoy one of the most powerful and inspiring places on earth.

You'll have time to walk along the rim trail with its scenic overlooks, visit the historic El Tovar Hotel, watch the arrival or departure of the Grand Canyon Railway train, and dine at one of the many cafes or restaurants.

We will be providing a box lunch, snacks, sodas, and water for this trip however, if you just want to sit under the pines, breathe deep, and day dream. The tour bus will pick us up and drop us off at the Ft. McDowell Radisson Resort. Family members are welcome! To whet your appetite, go to <http://www.nps.gov/grca>

TOUR #2

GILBERT RIPARIAN INSTITUTE

[HTTP://WWW.RIPARIANINSTITUTE.ORG/](http://www.riparianinstitute.org/)

SUNDAY MAY 3, 8:00 AM - 1:00 PM

In 1986, the Town of Gilbert made a commitment to reuse 100% of its effluent water. The Town's desire to create innovative and unique ways to combine water resource development with open space, educational and



recreational opportunities led to the development of the Riparian Preserve. Of the 110 acres, 70 acres make up the 7 water recharge basins that are filled on a rotating basis with treated effluent and allowed to percolate into the aquifer where it is stored for future use. One of the ponds has a unique distribution stream that mimics the action of an ephemeral desert stream. An additional lake is filled with reclaimed water, and is designated as an urban fishing resource through the Arizona Game and Fish Department.



The Preserve is organized into various vegetative zones ranging from marshlands to native riparian and upland vegetation areas. Well over 150 species of birds have been identified on the site, and many insects, fish, amphibians, reptiles, and mammals have found homes there as well. Over 4.5 miles of trails weave through the park, and there are interpretive education panels on wildlife and vegetation throughout. Viewing blinds have been established at various locations near the edge of several ponds to further enhance the visitor's experience. A floating boardwalk crossing the northern end of the lake allows visitors a close up view of the fish and ducks on the water. Additional educational areas include an ethnobotanical garden, a paleontology dig site, an archaeological dig site, a weather station, a scale model solar system, state-of-the-art observatory and a hilltop outdoor classroom. The preserve also includes restroom facilities, picnic ramadas, and a play area.

The Riparian Preserve is one part of the property known as Water Ranch, which extends from Greenfield Road east to Higley Road, encompassing the majority of the land between Guadalupe Road and the utility easement. Water Ranch includes the Southeast Regional Library building, the Salt River Project Eastern Canal, and the Town of Gilbert Drinking Water Treatment Plant, Fire Station, and Nichols Park.

TOUR #3

ARIZONA PUBLIC SERVICE STAR CENTER® AND ARIZONA FALLS

SUNDAY MAY 3, 1:00 PM – 5:00 PM

APS STAR Center® is the crown jewel of APS' solar research efforts. This test and research facility supports the APS Solar Partner® program, which offers residential and commercial APS customers the ability to participate in the development of solar technology.

APS STAR Center® also houses a working solar power plant generating a maximum of 480 kW of electricity. We say "maximum" because solar plants produce varying amounts of electricity depending on the time of day and the intensity of the sunshine. As you know, the sun is more intense at noon than in the morning. To catch as much sunlight as possible, this system tracks the sun—aiming the solar panels so they catch as much sunlight as possible, and therefore produce more electricity.

Arizona Falls showcases the Phoenix Art Commission's "WaterWorks at Arizona Falls" project, designed by renowned Boston artists Lajos Heder and Mags Harries. Visitors, surrounded by water on three walls in the water room, may sit on large boulders as they enjoy the cool and soothing sounds of flowing water.

Through sheets of flowing water, the antique gears used in the original hydroelectric plant can be seen. Two aqueducts frame the room to create the feeling of being inside the historic waterfall. A shade structure covers stone block seats near a pool of water, allowing visitors to enjoy the experience year-round.





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TOUR #4

RIO SALADO (SALT RIVER) RESTORATION & RIVER MANAGEMENT PROJECTS TOUR

[HTTP://PHOENIX.GOV/RIOSALADO/](http://phoenix.gov/riosalado/)

SUNDAY MAY 3, 1:00 PM – 5PM



Rio Salado, a.k.a., the Salt River the, flowed through central Phoenix and into the Gila River until dams were built upstream during the first quarter of this century. The water diversion resulted in a loss of plant and wildlife habitat and turned the area into a mining and dumping eyesore. The U.S. Army Corps of Engineers, in corporation with the surrounding communities, is designing the restoration and construction plans.

This tour will traverse the Salt River providing opportunities to witness the existing conditions and various stages of restoration. After a brief pause near the confluence of the Salt and Gila Rivers, the tour will head upstream to a constructed wetlands area to experience a sample of the project concept. We'll take a guided 10-minute walk along the shaded riparian trail before continuing up river in the air-conditioned bus to observe the current river uses. Our next stop at the Rio Salado Gateway recreation area will include a brief presentation by local project managers. The final stop before returning to the Radisson is Tempe Town Lake for an overview of their river management plan.

TOUR #5

WILDLIFE CROSSINGS

WEDNESDAY MAY 6, 1:00 PM – 6:00 PM

The Arizona Department of Transportation (ADOT) has a unique and important role in maintaining connectivity across landscapes. ADOT is responsible for over 6,000 centerline miles of roadway. In recent years, ADOT has been faced with the challenge of providing a modern and safe highway system to a rapidly growing commuter population. It has been well documented that transportation corridors can result in habitat fragmentation. Under the Department's strategic goal of protecting the natural environment, ADOT is partnering with other state and federal agencies on

projects to help minimize negative effects as well as enhance connectivity through the transportation corridors.

A wider, safer highway for motorists can create a problem for native wildlife. Temporary and permanent fencing is used to divert wildlife away from construction areas and from the roadway itself to safer areas. For example, tortoise fencing has been installed on several highways including US 93, Interstate (I) 8 and State Route (SR) 86 (done in partnership with the Tohono O'odham Nation). Wildlife crossings are also designed into highway structures to provide alternatives for wildlife to cross the roadway.



On SR 260, the highway is being upgraded from a two-lane route to a four-lane divided highway. ADOT is using a comprehensive package of measures to keep elk off the highway, including wildlife underpasses, wildlife-proof fencing, escape ramps and one-way gates. ADOT is collaborating with the Federal Highway Administration (FHWA), the USDA Forest Service Tonto National Forest and the Arizona Game and Fish Department (AGFD) on this project. The project is being completed in segments allowing research to be conducted by the Arizona Game and Fish Department and findings to be utilized adaptively benefiting both wildlife and ADOT. Once completed, this project may represent one of the most comprehensive efforts in North America to reduce the risk of wildlife-vehicle collisions and enhance wildlife movement across and beyond the highway. This project has all ready received national acclaim by being awarded the FHWA Exemplary Ecosystem Initiative Award in 2003. The lessons learned from this project can be applied to other highway upgrades such as the US 93 expansion.

TOUR #6

ARCHITECTURAL SUSTAINABILITY

WEDNESDAY MAY 6, 1:00 PM – 6:00 PM

Mixing reconnaissance survey, site stops, and en route interpretation this whirlwind tour adds perspective to our observation of archaeology, vernacular building, and high style architecture. Tour interpreters highlight the

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characteristics of sustainability evidenced in past and current building practices. Tour sites are situated in a xeric environment, so our focus is set on desert dwelling. That said, tour interpreters emphasize how a diachronic perspective on environmental design is a powerful tool to advance sustainable human ecology. How did native peoples' building anticipate green building precepts? Can we equate traditional adobe building with sustainability? What legacies of 20th century Oasis Culture—highly dependent on water and hydro-power—are sustainable? Was the nation's sprawling postwar suburban boom so flawed it represents the antithesis of sustainability? How does organic architecture promulgated by master architect Frank Lloyd Wright speak to sustainability? As tour attendees we cast a critical eye to reflect on what notable achievements and misplaced assumptions diverse builders advanced in their work. We can consider ways our emerging green architectural tack mimics experiences of former inhabitants who fashioned sustainable community over centuries.

Site stops on tour:

- *Pueblo Grande City Park & Museum*
<http://phoenix.gov/PUEBLO/exhouses.html>
- *LEED architecture development and 'Green' Historic Rehabilitation*
http://uabf.asu.edu/historic_preservation
- *Landmark touchstone: Taliesin West*
www.franklloydwright.org/index.cfm?section=tour&action=taliesinwest
- *Plus reconnaissance sites: Traditional abode; Historic Native American; Post-war suburbia*

Contact Donna Carter for more information at 863.679.3852 or naepfl@verizon.net

Chapter Reports

California Chapter

Submitted by Roger Turner, NAEP California Chapter Representative

There are 203 NAEP members in California. The California Chapter AEP-NAEP membership has 85 current members. There are 203 NAEP members who are not represented under the Affiliation Agreement in California.

We are working to develop an outreach program discussing the value of NAEP membership and to solicit other topics of interest members would like to have developed to add value to their membership. I have developed an E-Blast to inform all members of NAEP about programs, workshops, training opportunities as they are made available. I have also created an NAEP place on the CAEP Web site to inform all members of upcoming events, like the annual NAEP conference, and other topics of interest.

NAEP continues to work on the Jim Roberts Memorial Fund. NAEP directed Fernley & Fernley to set up a proper account for this program. The account has yet to be established for this Fund. The California Chapter supports the action and urges the NAEP to establish the Jim Roberts Memorial Fund as soon as possible. The CAEP has set aside matching funds for monies raised up to \$10,000. NAEP has pledged of about \$10,000. A \$20,000 fund is a very good start on this important scholarship fund.

An advertisement for the NAEP Conference, "Making Sustainability Happen: Goals, Practices, and Challenges" has been placed on the California AEP Web site and is being published in the winter edition of the Environmental Monitor, a quarterly publication sent to over 1,800 members in California.

The CAEP invites NAEP members to participate in CAEPs first ever international study tour for 2009. The first trip is to Bhutan & Sikkim —Biodiversity Conservation and Ecotourism in the Eastern Himalaya from November 4-24, 2009. See Flyer information. This will be a unique opportunity to see a successful environmental planning up close and to network with our members in some of the world's most threatened bio-regions and amongst diverse socioeconomic, political and cultural environments.

TAEP Honorees Announced for Environmental Stewardship



Houston, Texas, February 12, 2009 — The Texas Association of Environmental Professionals (TAEP) recently announced its honorees for the "Environmental Professional of the Year," "Regulator of the Year," and "TAEP Member of the Year." Honorees for 2008 are: Marc



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Ferries, Environmental Professional of the Year, El Paso Corporation, Houston; Fred Anthamatten, Regulator of the Year, U.S. Army Corps of Engineers, Galveston District; and Scott Davis, TAEP Member of the Year, GeoSearch, Austin, Texas. These awards will be presented at the Environmental Challenges and Innovations Conference: Gulf Coast 2009 on February 16 at the Houston Crowne Plaza – Reliant Park.

Marc Ferries

Ferries, a registered professional engineer and an expert in environmental remediation, is Director of Remediation for El Paso Corporation. He manages a large portfolio of environmental remediation projects and has been instrumental in the development of environmental management tools to improve remediation accountability. Ferries, recognized for his work in the emergence of several important areas affecting environmental liabilities, has published articles about Sarbanes-Oxley legislation concerning disclosure of environmental liabilities and more recently the potential impacts of Fair Market Valuation on financial reserve setting for environmental liabilities.

Ferries and his staff recently received notable awards for environmental stewardship, including the Bureau of Land Management's 2008 Hardrock Mineral Environmental Award for Excellence in reclamation work and the Nevada Mining Association's "Reclamation Award." Both involved closure of a former gold and silver mine in Nevada that was an El Paso legacy project. Ferries also received the El Paso President and CEO's "ACE Award" for his outstanding contributions toward environmental excellence.

Fred Anthamatten

Anthamatten, a biologist and graduate of Lamar University, is Chief of the Regulatory Branch of the U.S. Army Corps of Engineers Galveston District. He has been with the Corps for 32 years and has received numerous awards for his service, including the Coastal America Partnership Award in 1999 and numerous letters of commendation. He is the co-author of *Successful Restoration of Filled Wetlands At Four Locations Along The Texas Coast* (1981) and *Wetland Delineating by Means of Tide Gauge*, South Padre Island, Texas (1998).

Under his purview, the Regulatory Branch of the Galveston District is responsible for authorizing work in jurisdictional waters and wetlands under the Clean Water Act and the Rivers and Harbors Act for a large region that stretches along the Gulf Coast from Louisiana southward to Brownsville, Texas. Anthamatten and his staff oversee and protect the coastal region's valuable aquatic resources in

an ever-changing regulatory climate, balancing regulation with the ecologic and economic needs along the Texas coast. In addition, his agency and staff are responsible for emergency response during hurricanes and other disasters above and beyond their regular responsibilities.

Scott Davis

Davis, of Austin, is a principal of GeoSearch, an environmental information company that provides current and historical environmental management information for property transactions. He is responsible for development and implementation of GeoSearch's strategies. He has been with the company since 2000. Davis has maintained membership in TAEP and participated in events such as luncheons and conferences for several years. In 2008, he became significantly more involved in TAEP and helped provide counsel to the ECIC08 planning committee and also began a tireless effort to start up a subchapter of TAEP in Austin. Davis' persistence and dedication are what has made the Austin subchapter a success, and his efforts included coordinating with the Houston Board of Directors and providing leadership to the Austin Board of Directors. Since its formation, the Austin subchapter has grown by more than 30 members, attendance at meetings has been consistent, and a slate of luncheon speakers has already been booked to speak on a variety of environmental topics in 2009.

ABOUT THE TAEP

The Texas Association of Environmental Professionals (TAEP) is the premier organization for environmental professionals in the State of Texas. Committed to achieving the highest standards of ethics and competence within the environmental professions, TAEP was incorporated as a non-profit organization and chartered as the Texas chapter of the National Association of Environmental Professionals (NAEP) in 1988. The Association was originally formed by seven environmental professionals who worked on the project for more than a year to get it off the ground. Now, with nearly 300 local members and three chapters as well as a subchapter state-wide, TAEP has helped to fill a void by providing the environmental professional with active organizations that focus on multi-disciplinary and whose primary aims are the advancement of the environmental profession and the establishment of a forum to discuss important environmental issues.

All members of the TAEP adhere to the NAEP Code of Ethics and Standards and Practice for Environmental Professionals. When qualified, a member may apply for certification as an



environmental professional (CEP - Certified Environmental Professional). The certification process is a rigorous, peer-reviewed examination that is nationally recognized and has been in place since 1979. The CEP recognizes professionals in the field who have proven expertise through education, experience, and examination.

PAEP Chapter Update

On October 10 and 11, 2008, the first ever Environmental Heritage Summit was held in Harrisburg.



The State Museum of Pennsylvania, in collaboration with the Pennsylvania Heritage Society, convened a group of scholars and public history professionals as well as colleagues from the Pennsylvania Historical and Museum Commission, the Pennsylvania Association of Environmental Professionals,

various state agencies, and institutions and organizations in Pennsylvania with broad interest in environmental affairs to consider broad themes and interpretive issues in Pennsylvania's environmental history.

The following is a summary of a final report by PHMC project consultant and summit manager Linda Shopes. The entire report can be accessed on the PAEP website.

The goals of the summit were to:

- Define a broad interpretative framework for environmental history initiatives under discussion at the State Museum.
- Cultivate relationships with institutions around the state involved in environmental history and education
- Twenty-five people participated in the summit.
- Other organizations participating in the summit included the John James Audubon Center, the Rachel Carson Homestead, the Department of Environmental Protection, Slippery Rock University, Carnegie Mellon University, the Department of Conservation and Natural Resources, Powermill Nature Preserve, the National Museum of American History, and Bryn Mawr College.
- The PAEP Board of Directors in partnership with The Karl Mason Family, Gannett Fleming, CHRS, Inc. and McCormick Taylor provided substantial funding support for organizing, conducting, and documenting the summit.

Ten major themes emerged from the summit as follows:

1. Environmental history is not environmentalist history, nor is it history of environmental politics or of environmental decline or even of what we think of nature;
2. Environmental history is an interpretive enterprise, linking humanities, history, and science;
3. Interpretive programs, including exhibitions, should show the unintended consequences and counterintuitive results of past actions to use, control, or otherwise engage with the environment;
4. Historic perspective on the environment, or more accurately on human interaction with nature, is enormously important;
5. An historic perspective demands a focus on change over time and Pennsylvania's past provides numerous significant examples of change in the environment as a result of human agency;
6. Two key elements in Pennsylvania's environmental history are forests and waters; both demand close attention;
7. Even though the focus of all programming should appropriately be on Pennsylvania, interpretation needs to link what has happened in the state to the region, the nation, and the world;
8. Given the urgency of current environmental issues, programming should aim to provoke audiences to make meaningful connections between history and nature, to see the world differently to care about and care for the environment in new ways;
9. Capitalize on the authenticity of museum collections-the much vaunted "real stuff" of museums;
10. Finally, the participants urged the State Museum to enhance current exhibitions with an environmental history angle and to use environmental history as a theme on all future exhibition planning.

Among the many suggestions offered by the summit participants were:

1. Use the city as a lens to organize and explain forces driving environmental change in Pennsylvania;
2. The PHMC should link environmental history to its 2009 annual programming theme "energy;"
3. Exploit the "gross out" factor of environmental history such as the history of sewage disposal, which could be titled "Flush;"
4. Develop an environmental history map for schools;



5. Develop cooperative programming that gets people out of the museum and into nature;
6. Connect programs with the Department of Education curriculum standards for the environment and ecology;
7. Cultivate the State Museum as a forum for discussing environmental issues of political and public significance;
8. Develop a green ethic within PHMC by recycling and supporting a sustainable museum building and operations.

NEXT STEPS

The PAEP Conservation Heritage Committee will continue to work with Pennsylvania Environmental Heritage Society, PHMC, and other organizations to encourage individuals and organizations to incorporate environmental history into their programs.

The PAEP will continue to support internships at the State Museum on environmental history research.

The PAEP will continue to present the Karl Mason Award and incorporate environmental history information into its annual meetings, newsletters, website, and other activities. Special thanks to Beth Hager at the Pennsylvania Heritage Society and Linda Shopes, PHMC Consultant for organizing and conducting the summit – a big step towards a Pennsylvania Environmental Heritage program.

For more information contact Wayne W. Kober at: wkober@hughes.net or (717) 502-0179.

Indiana Association of Environmental Professionals

Brock A. Hoegh, CEP, INAEP Chapter President

The INAEP Chapter had a very successful year in 2008 with the Chapter meeting all of its goals for the year in growing the Chapter membership, hold all membership meetings, quarterly newsletters, and holding our 1st annual INAEP Scholarship golf outing, which we will be able to provide a \$1,000 scholarship this fall. Our membership currently stands over 70 members now.

This success, in a short period of time since our inception in August 2006, is a result of our Officers and committee volunteers who are working hard to create an Association that can be a leader within the environmental profession here in Indiana, continued communication to our members

through our quarterly newsletter and new website, regular meetings and continued social activities to gain membership. Our primary activities for 2009 include the following:

1. Four (4) membership meetings which will create a positive image and greater recognition of the INAEP as a leader within the environmental profession in Indiana;
2. Four (4) newsletters that will include new members spotlights, environmental articles, job postings, and other information for our members;
3. Bi-monthly social functions to provide INAEP members to meeting prospective members and network with other environmental professionals;
4. In February, INAEP rolled out the Chapter website www.inaep.com which is currently under construction;
5. INAEP will hold its 2nd Annual Golf Outing and award our 1st INAEP Scholarship Recipient in the fall of 2009.

NAEP Joins with Colorado DOT to present the 9th Annual Environmental Winter Conference

February 24 – 26 2009 marked the 9th annual Colorado Department of Transportation (CDOT) Environmental Winter Conference in Denver, Colorado. The Environmental Winter Conference has grown over the last nine years from a half-day internal water quality training for a handful of CDOT staff; into a three day environmental training on a variety of environmental issues related to transportation from long-range planning, through maintenance and operations, that is open to the public and had around 300 attendees. Participants included local municipalities, state and federal agency staff, consultants, and contractors. To date it has remained a free event for participants. Sponsors and vendors provide the funding necessary to cover food and drink, and CDOT has funded the venue and provided the logistics and coordinated the event as a whole.

Because of budget and procurement hurdles, it looked like CDOT would not be able to offer food this year. The National Association of Environmental Professionals offered to help co-host the event, act as the signatory for the catering contract and collect the sponsor and vendor payments to cover the costs. The total cost for food and beverages for the three days was \$10,000. \$11,000 was collected from sponsors and vendors, meaning that enough money was



brought in to not only cover the cost of the contract, but also of processing the payments, and provide NAEP with a little extra income as well.

NAEP board member Michael Smith took an additional step and made a lunch time presentation on the consideration of Climate Change in NEPA documents.

The co-hosting of the CDOT Environmental Winter Conference represented a first for NAEP. While unsure about exactly how to make it happen, it represented an opportunity for NAEP to support and promote environmental professionalism in a manner that had little monetary risk to NAEP. It also represented a first for CDOT, which has not had a co-host for this event in the past. However, the goal of the conference, promoting environmental professionalism, fits the goals of both organizations and so finding a way to make it work made sense.

The Conference included opening remarks by CDOT Executive Director Russ George. His remarks can be seen on CDOT's environmental webpage, which also includes links to the Environmental Winter Conference: <http://www.dot.state.co.us/Environmental/>. Another first for this year's conference, all sessions were audio recorded and will be made available for download from CDOT's website in the near future.

Become a Certified Environmental Professional (CEP)

OBTAIN THE RECOGNITION YOUR CAREER DESERVES

Celebrating 30 Years

The CEP program was initiated by the National Association of Environmental Professionals. Since 1999, it has been managed by the Academy of Board Certified Environmental Professionals (ABCEP). The program is accredited by the Council of Engineering and Scientific Specialty Boards.

CERTIFICATION IS GRANTED IN FIVE AREAS:

Environmental Assessment
Environmental Documentation
Environmental Operations
Environmental Planning
Environmental Research/Education

BENEFITS TO YOU AS AN INDIVIDUAL

Serves as a basis for performance awards and promotions;
Increases marketability and enhanced career opportunities;
and Enhances networking opportunities.

BENEFITS TO THE EMPLOYER

Enhanced confidence in the capabilities of the employee;
Strengthens technical proposals to your clients; and
Demonstrates the depth of technical skills in your organization.

FOR MORE INFORMATION, CONTACT ABCEP AT:

Toll-free: 866-767-8073

Fax: 410.254.5542

Email: office@abcep.org

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Academy of Board Certified Environmental Professionals Introduces the "CEP - In Training" Program

New environmental professionals are welcome to join the Academy of Board Certified Environmental Professionals (ABCEP) Certified Environmental Professional – In Training program (CEP-IT). This program is for those environmental professionals who do not yet meet the requirements of a CEP, but who would like to take advantage of some of the benefits that a CEP offers. If you know individuals who may be interested in this program, please forward them the outline of this program presented below, or have them contact ABCEP at abcep.org for more information.

CEP-IT'S APPLICATION REQUIREMENTS ARE SIMPLE

To receive a CEP In-Training certificate, individuals must:

1. Submit application form (similar to CEP)
2. Enclose 1/2 the application fee of a CEP (currently \$125/2 = \$62.50).
3. Submit transcript that indicates the individual has at least a bachelor's degree
4. from an accredited university in an applicable field (same as CEP).
5. Sign an ethics pledge (same as CEP).
6. Provide 3 references (using same form as for CEP)



CEP-IT'S GAIN IMMEDIATE ACCESS TO A CEP MENTOR

As soon as a CEP-IT's application is deemed completed, the ABCEP Executive Administrator will notify the chair of the ABCEP Mentor Committee, who will assign a CEP mentor to that individual. This is a great opportunity for a new environmental professional to receive guidance from an experienced person who is highly regarded in this field. The CEPIT is welcome to contact the mentor as needed to discuss progress, to solicit feedback regarding the CEP-IT's career, and to obtain suggested opportunities for growth. CEPs who supervise a CEP-IT gain hours toward their annual maintenance requirements, so the CEPIT can be assured that the mentor is motivated to provide support to the CEP-IT as needed for their mutual benefit.

CEP-IT MAINTENANCE REQUIREMENTS HELP ADVANCE CAREERS

To maintain a CEP In-Training certificate, individuals must:

1. Report at least 20 hrs of annual effort to maintain In-Training status (using the same form used by CEPs).
2. Submit an annual maintenance fee of half the requirements for CEP maintenance (currently \$100/2 = \$50).
3. Submit a form briefly describing career goals and plans for meeting them (see the new career plan form). This form is forwarded to the mentor for review. Meeting the goals is not a requirement for maintaining CEP-IT status, but submitting a plan is required.

A CEP-IT CERTIFICATE REDUCES REQUIREMENTS TO OBTAIN A CEP

If an individual receives a CEP-IT and maintains it for at least three years, CEP requirements for total experience are reduced by one year, as shown below.

YEARS OF EXPERIENCE REQUIRED TO APPLY FOR CEP WITHOUT CEP-IT

Bachelor's Degree 9 years

Master's Degree 8 years

Ph.D 7 years

YEARS OF EXPERIENCE REQUIRED TO APPLY FOR CEP WITH A CEP-IT FOR AT LEAST 3 YEARS

Bachelor's Degree 8 years

Master's Degree 7 years

Ph.D 6 years

Those CEP applicants who are not certified because of a lack of experience have the option of becoming a CEP-IT to get an early start on becoming a CEP.

ADDITIONAL BENEFITS OF A CEP-IT

Besides access to an assigned CEP mentor who will provide career guidance and a reduced CEP experience requirement, the CEP-IT provides the following additional benefits:

1. Electronic newsletter
2. Access to CEP website
3. Access to CEP members
4. Notices of CEP Board meetings
5. Notices of CEP member meetings
6. Notification to existing and potential employers that the individual is recognized by the environmental profession
7. Better understanding of the environmental profession
8. Contacts that will reduce effort needed to become a CEP
9. Enhanced personal qualifications on proposals submitted to clients
10. Enhanced opportunities to participate on ABCEP committees and at ABCEP sponsored events
11. Authorization by ABCEP to put "CEP-IT" on business cards, resumes, and signature title
12. Increased salary for organizations that reward staff with professional certifications
13. Increased potential for career advancement

For those of you who are new to the environmental profession, consider applying for a Certified Environmental Professional In Training. For those of you who know potential candidates for this certification, reach out and let them know about this new program. Achieving a CEP-IT could be an important milestone in a successful career in this field.

Academy of Board Certified Environmental Professionals

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Information Release: Academy of Board Certified Environmental Professionals

THE ACADEMY OF BOARD CERTIFIED ENVIRONMENTAL PROFESSIONALS IS CELEBRATING ITS 30 YEAR ANNIVERSARY!

Beginning in 1979, experienced environmental professionals were able to become certified through a comprehensive peer-reviewed process reflecting years of experience, responsibility, and knowledge. Certifications are nationally-recognized and available for federal/state/local agency staff, consultants, researchers, compliance managers, enforcement officials, and activists. Initially offered as a certification through the National Association of Environmental Professionals (NAEP, www.naep.org), in 1993, the national certification became a stand-alone entity and in 1999 an independent non-profit organization.

At its inception, ten certified professionals existed – thirty years later there are about 250 actively-certified professionals located coast-to-coast. Certified individuals maintain his/her knowledge, experience, and credentials through continuing education, teaching, mentoring, publishing papers, and complying with the Code of Ethics. The Council of Engineering and Scientific Specialty Boards (CESB, www.cesb.org) accepted ABCEP for membership and accredited the CEP certification.

Certification brings heightened confidence with documents, evaluations, and decisions issued by a CEP. Certified individuals satisfy the requirements outlined by the USEPA, ASTM, and other regulatory agencies, which provides assurance to employers and customers. For the individual, certification increases opportunities for promotions, marketability, and career advancement.

NEW FOR 2009 – FIND A CEP

Have an environmental question, situation, or project and need help?...find a CEP through a new online feature...member search. The member search portal enables anyone to search listed CEPs using a keyword/specialty area, location, or by name. Besides linking information seekers with knowledgeable CEPs, it also enables CEPs to search for other CEPs when confronting situations outside his/her circle of expertise. This searchable database adds a new benefit to employers and customers by adding value to the individual CEP's marketability. Find the search portal at www.abcep.org.

BECOME A CEP

Do you or your staff have the knowledge, skills, and experience to be a CEP? ABCEP offers mentoring and a CEP-In Training (CEP-IT) designation too. Find out more on www.abcep.org.

RECOGNIZE CEP

Does your employer or customer recognize the CEP credential as a value-added benefit? Many public and private sector employers recognize the CEP as a threshold to obtain for promotion eligibility. Share your story with ABCEP and fellow environmental professionals. Email it to office@abcep.org.

MORE INFORMATION

Contact ABCEP at office@abcep.org; www.abcep.org; or 1.866.767.8073

Have an upcoming meeting and need a speaker? Speaker opportunities by CEPs about ABCEP are available in certain geographic locations.

Contributions

COMMENTARY

A Slide Down a Slippery Slope: Ethical Guidelines in the Dissemination of Computer-Based Presentations

The following article was originally published in the Ecological Society of America Bulletin. NAEP Secretary Paul Looney found the message very applicable to all of the membership and secured permission to have it republished here. We encourage our members to provide other articles of interest to future ENews editions. By providing this type of information, we all benefit from the professional experience of each other. This type of networking is pretty easy. It is what keeps us returning as members and attracting new members.

The continual development of technology opens many new and exciting doors in all walks of life, including science. Undoubtedly, we all have benefited from the ability to rapidly disseminate and acquire scientific information. Published articles can be downloaded from the Internet even prior to their "actual" publication date, requests for pdf reprints of papers can be e-mailed to authors around the globe and sometimes honored within minutes, and webcasts allow for both passive and active participation in conferences and workshops without leaving one's office. But along with the increasing availability of technological tools comes the need for a corresponding understanding of ethical conduct and responsibilities associated with their use. Science is increasingly more accessible than ever before, but has this accessibility garnered new dilemmas?



In particular, we specifically ask if the appropriate ethical behavior associated with the dissemination of scientific information, and particularly unpublished information, during scientific meetings, workshops, and other related events currently dominated by computer-based slide presentations is being handled in a manner consistent with the norms of printed materials. Although the concept of computer ethics is not new (Moor 1985, Mitcham 1995), it has largely focused on the protection of copyrighted software and hardware, individual privacy, and corporate security, and the general role of computer ethics in society (Moor 2001, Floridi 2006, Johnstone 2007). To increase awareness and stimulate debate, we present the following case studies to illustrate our concerns regarding the use of computer technology in scientific presentations:

Example 1: Scientist A presents a talk at Meeting 1. She uploads her slides from a convenient flash drive onto the meeting room laptop to present her paper. A few weeks later, Scientist B, who had attended Meeting 1, gives a talk at another meeting (Meeting 2). Unbeknownst to Scientist A, Scientist B had obtained the slides from A's talk at Meeting 1 and subsequently presented them at Meeting 2 without any acknowledgment to Scientist A. To make matters worse, Scientist B altered one slide to remove the header that would have identified the slide as belonging to Scientist A. Unfortunately for Scientist B, a colleague of Scientist A attended Meeting 2 and was intimately familiar with both the work of Scientist A and specifically the slide that was altered.

Example 2: A scientist presents a paper at a meeting, after which one of the symposium organizers e-mails all the speakers asking for copies of each presentation to prepare a summary document. One of the speakers then replies to the group that they have already copied all the presentations from this symposium onto their personal flash drive, and that they would burn a CD and mail it to the symposium organizer on behalf of all speakers. Although this person, in this same e-mail, did ask eventually for permission, no prior request was made to copy the files in the first place.

Example 3: A group of scientists attend and present their research at an international meeting. All the speakers upload their presentations on a single laptop that is used to project the talks. At the conclusion of the meeting, one of the organizers makes a general announcement that presentations will be made freely available online, and that anyone objecting to having their presentations on a web site should contact the organizers; thus, the default assumption

was that presentations could be freely shared, as opposed to the inverse. Unfortunately, not all attendees were present at the specific time this announcement was made, and consequently, some were unaware that presentation slides would appear online.

Unfortunately, none of the above examples of what we consider to be unethical scientific conduct—albeit to differing degrees of severity—are hypothetical; rather, they are all based upon actual cases. The ramifications of such unethical conduct are even more severe when presentations contain unpublished data or concepts. In fact, we suspect that most presentations at meetings contain at least some unpublished data or concepts, as it is often the interaction with the audience, in a less formal setting than the peer review process, that provides authors an opportunity to fine-tune their work prior to formal submission to a scientific journal, while the audience gains early exposure to results not yet published. Unpublished data or concepts thus remain the proprietary knowledge of the authors, and there are multiple negative impacts if they are copied and used for any reason without specific permission. We would argue that this is very much akin to reviewing a grant proposal, where the use of the unpublished privileged information is also strictly forbidden. Although we all likely understand the gravity of inappropriately copying information from a grant proposal, our examples above seem to indicate that the waters are far murkier when it comes to unpublished information on slides that are used in presentations. Perhaps some see this as a trivial concern, but for us the ramifications of misuse place it clearly in the scientific misconduct arena. In the days of 35-mm slides, as well as its various precursors, the ethical scientist would never consider helping him or herself to a slide or two from another's carousel without asking. In today's world of more modern technology, the act of taking presentation slides belonging to others should be no more common simply because presentations are more easily downloaded from computers. Different meetings often have different rules regarding the publishing of abstracts and symposium summaries, but these tend to be merely summaries of the talk and not the actual content of the presentation. In some cases, perhaps, the sharing of slides poses no problem, yet this dangerous assumption does not eliminate what should be our default position based upon an ethical assumption. The position should be that, in the absence of specific permission from an author, presentations remain the intellectual property of the authors and thus are never to be copied by anyone, regardless of the formality or informality of the meeting setting, and regardless of the honest intent of the copier. Many meetings,



especially large ones at the national or international levels, operate on increasingly tighter schedules. The brief time between symposia is often insufficient to allow speakers who are finished to delete thoroughly their presentations (i.e., place the contents into the “trash” and then empty the “trash,” even though this type of deletion is not necessarily “undoable”), while still allowing the incoming slate of speakers to upload their presentations. We submit that new guidelines for professional meeting behavior involving electronic versions of presentations are desperately needed, and we provide the following as a starting slate of guidelines:

1) All presentations are the intellectual property of the author(s); hence, computer slides shall never be downloaded by anyone else without the prior and explicit consent of the author(s).

2) Meeting organizers should accept formally and unequivocally all the responsibilities of hosting a scientific meeting, which includes ensuring that proper security protocols are in place to prevent unauthorized downloading to protect the integrity of the research process and uphold an ethical code of conduct.

3) Meeting organizers are encouraged to examine the use of modern computer-based tools to improve security measures during meetings. Some meetings already use secure servers onto which speakers can download their slides from a central location, but then retrieve them from, but not download to, a meeting room computer. Such a strategy effectively eliminates unauthorized downloads. Computer slides, of course, can still be shared through the intended and appropriate route; that is, by asking the presenter.

4) If meeting organizers wish to develop a web site to host presentation files, then they must ask speakers to provide consent prior to the development of the web site and

posting of slides. For example, this could be obtained from authors by asking them during the abstract submission process. In the absence of any written consent, however, then the assumption shall be that the posting or sharing of presentation files is forbidden.

5) We call upon Universities to require their students to perform coursework in ethical scientific conduct, and to ensure specifically that new or existing coursework is relevant to today’s technological tools. Although we believe that the more obvious examples of ethical misconduct, such as the theft of data, plagiarism, the fabrication and falsifying of data, are still critically important (e.g., LaFollette 1992, Giles 2005, Butler 2008), many texts on ethical behavior in science (e.g., Bulger et al. 1993, Macrina 2005) do not yet address new ethical challenges due to increased availability and use of electronic resources. We argue that additional discussion is needed to understand and appreciate the severity of misconduct through the improper downloading of presentation files, particularly as new students become more and more technologically integrated.

We have only focused on one component of ethical conduct and responsibility in today’s computer world, mainly in the manner in which information is electronically disseminated in scientific meetings. In reality, though, with the constant development and refinement of new technologies comes an almost bottomless Pandora’s box, forcing us to run the proverbial Red Queen’s Race to ensure that our ethical understanding keeps pace with technological advancements. In today’s progressively changing world, science is more accessible than it has ever been, and will continue to become even more so. We applaud wholeheartedly these advancements that greatly enhance our fields of study, but with these advancements come a constant and vigilant need to understand ethical scientific behavior, which is not trivial, but certainly a far better option than dusting off our 35-mm slide carousels.

LITERATURE CITED

Bulger, R. E., E. Heitman, and S. J. Reiser, editors. 1993. The ethical dimensions of the biological sciences. Cambridge University Press, New York, New York, USA.

Butler, D. 2008. Entire-paper plagiarism caught by software. *Nature* 455:715.

Floridi, L. 2006. Four challenges for a theory of informational privacy. *Ethics and Information Technology* 8:109–119.
Giles, J. 2005. Taking on the cheats. *Nature* 435:258–259.
Johnstone, J. 2007. Technology as empowerment: a capability approach to computer ethics. *Ethics and Information Technology* 9:73–87.

LaFollette, M. C. 1992. *Stealing into print: fraud, plagiarism, and misconduct in scientific publishing*. University of California Press, Los Angeles, California, USA.

Macrina, F. L. 2005. *Scientific integrity. Text cases in responsible conduct of research*. Third edition. ASM Press, Washington, D.C., USA.

Mitcham, C. 1995. Computers, information and ethics: a review of issues and literature. *Science and Engineering Ethics* 1:113–132.

Moor, J. H. 1985. What is computer ethics? *Metaphilosophy* 16:266–275.

Moor, J. H. 2001. The future of computer ethics: you ain’t seen nothin’ yet! *Ethics and Information Technology* 3:89–91.

Disclaimer: The views expressed here are those of the authors and not necessarily those of the USDA Forest Service or The Pennsylvania State University.

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