

Alaska Forum on the Environment

February 7-11, 2005



**Egan Convention Center
Anchorage, Alaska**

Alaska Forum on the Environment 2005
1.888.301.0185 telephone & fax
info@akforum.com
<http://www.akforum.com>

Week at a Glance

Monday, February 7

- 7:00 - 9:00 a.m. Registration and Check-In
- 9:00 - 10:30 p.m. KEYNOTE EVENT
Dr. David Suzuki
Award winning scientist,
environmentalist & broadcaster
- 10:45 - 11:45 p.m. Breakout Sessions
- 12:00 - 1:45 p.m. KEYNOTE EVENT
Maggie Ahmaogak
Executive Director, Alaska
Eskimo Whaling Commission
- 2:00 - 4:45 p.m. Breakout Sessions
- 4:45 - 5:30 p.m. SOCIAL EVENT
Sponsored by Green Star
- 5:30 - 7:00 p.m. KEYNOTE EVENT
Derrith Watchman-Moore
Deputy Secretary
New Mexico Environment
Department
Sponsored by TASWER

Tuesday, February 8

- 8:00 - 9:00 a.m. KEYNOTE EVENT
Dr. Michael Gough
Molecular Biochemist, Researcher
and Author
- 9:15 - 10:15 a.m. Breakout Sessions
- 12:00 - 1:30 p.m. KEYNOTE EVENT:
Dr. Michael L. Rosenzweig
“Win-Win Ecology”
- 2:00 - 4:45 p.m. Breakout Sessions
- 4:45 - 5:30 p.m. SOCIAL EVENT
Sponsored by AAEP and the
Canadian Consulate
Entertainment by Pamyua

Wednesday, February 9

- 8:00 - 9:00 a.m. KEYNOTE EVENT
Dr. L. David Mech
Senior Research Scientist,
Biological Resources Division,
Northern Prairie Wildlife
Research Center
- 9:15 - 11:45 a.m. Breakout Sessions
- 12:00 - 1:45 p.m. KEYNOTE EVENT
Brad Montgomery
Humorist and Motivational
Presenter
- 2:00 - 4:45 p.m. Breakout Sessions

Thursday, February 10

- 8:00 - 5:00 p.m. Breakout Sessions

Friday, February 11

- 8:00 - 4:00 p.m. Breakout Sessions

NOTE:

See the last page for a schedule of ancillary events.

General Information

This is the seventh annual Alaska Forum on the Environment event, which began as a conference that focused exclusively on environmental concerns facing federal government facilities in Alaska. It has since evolved to be all inclusive. The conference has become a Forum for education and interaction among all forms of government agencies, non-profit organizations and the general public. Rural or urban, professional or layperson, people come together at this nonpartisan annual event to seek understanding and solutions for many of Alaska's greatest environmental challenges.

At the Forum, federal, state, communities, and tribal interests have an opportunity to come together with private, for-profit and non-profit organizations and individuals to discuss the latest projects, processes, and issues that affect life in Alaska. From diverse views represented at the Forum, tough issues such as "sustainable development" are addressed and new collaborations are born that promote the common good.

In addition to enhanced communication and coordination on issues, participating agencies and organizations also benefit by sharing resources. During the week-long Forum conference, annual training and certification classes are offered at reduced rates and overhead cost to participating organizations.

This year there will be over 80 technical sessions and presentations, including a wide variety of organizational meetings, specialized certification training classes, networking and social events, and vendor displays/information booths. Of special note is the traditional "Talking Circle" with government leaders, Alaska youth and Alaska Native Elders.

The Alaska Forum on the Environment serves to educate all Alaskans on a wide variety of topics with specific break-out sessions on issues. Participants now number over 1000 attendees from across the nation, making the Alaska Forum on the Environment one of the largest annual events in Alaska.

Registration

Onsite registration is available beginning at 8:30 a.m., Monday, February 7, 2005. The registration and information counter will be open throughout the event.

Exhibit Information

Exhibits will be in the vendor area Monday, February 7 through Wednesday, February 9.

Door Prize Information

Various door prizes will be awarded throughout the event. Door prizes from: Hilton Hotel, Mooses Tooth, Orso Ristorante, and many others.

Egan Center Parking

You have several convenient options for parking when using the Egan Center. The Center is located on 5th Avenue between E and F Streets. Below is a list of some of the nearest parking spaces.

ON STREET PARKING: There are metered parking spaces within a five block radius of the facility. Monday – Friday, between 9:00am and 6:00pm. On Saturday and Sunday, free parking at the meters is allowed for the entire day.

DIAMOND PARKING LOTS: At these lots, you put your money in the box when you park. Payment by credit card is also available.

6th Avenue and E Street (495 W. 6th Ave):

0 – 2 hours - \$5

2 – 4 hours - \$7.50

4 – 10 hours - \$15

7th Avenue and E Street (521 W. 7th Ave):

0 – 2 hours - \$3

4 – 6 hours - \$5

over 6 hours - \$10

6th AVENUE PARKING GARAGE (Enter on H Street): \$5 per day or \$.75 per hour. Open 24 hours.

5th AVENUE PARKING GARAGE (5th Avenue and B Street): \$5 per day or \$.50 per hour. Open 24 hours.

Week at a Glance

Monday, February 7

- 7:00 - 9:00 a.m. Registration and Check-In
- 9:00 - 10:30 p.m. KEYNOTE EVENT
Dr. David Suzuki
Award winning scientist,
environmentalist & broadcaster
- 10:45 - 11:45 p.m. Breakout Sessions
- 12:00 - 1:45 p.m. KEYNOTE EVENT
Maggie Ahmaogak
Executive Director, Alaska
Eskimo Whaling Commission
- 2:00 - 4:45p.m. Breakout Sessions
- 4:45 - 5:30 p.m. SOCIAL EVENT
Sponsored by Green Star
- 5:30 - 7:00 p.m. KEYNOTE EVENT
Derrith Watchman-Moore
Deputy Secretary
New Mexico Environment
Department
Sponsored by TASWER

Tuesday, February 8

- 8:00 - 9:00 a.m. KEYNOTE EVENT
Dr. Michael Gough
Molecular Biochemist, Researcher
and Author
- 9:15 - 10:15 a.m. Breakout Sessions
- 12:00 - 1:30 p.m. KEYNOTE EVENT:
Dr. Michael L. Rosenzweig
“Win-Win Ecology”
- 2:00 - 4:45 p.m. Breakout Sessions
- 4:45- 5:30 p.m. SOCIAL EVENT
Sponsored by AAEP and the
Canadian Consulate
Entertainment by Pamyua

Wednesday, February 9

- 8:00 - 9:00 a.m. KEYNOTE EVENT
Dr. L. David Mech
Senior Research Scientist,
Biological Resources Division,
Northern Prairie Wildlife
Research Center
- 9:15 - 11:45 a.m. Breakout Sessions
- 12:00 - 1:45 p.m. KEYNOTE EVENT
Brad Montgomery
Humorist and Motivational
Presenter
- 2:00 - 4:45 p.m. Breakout Sessions

Thursday, February 10

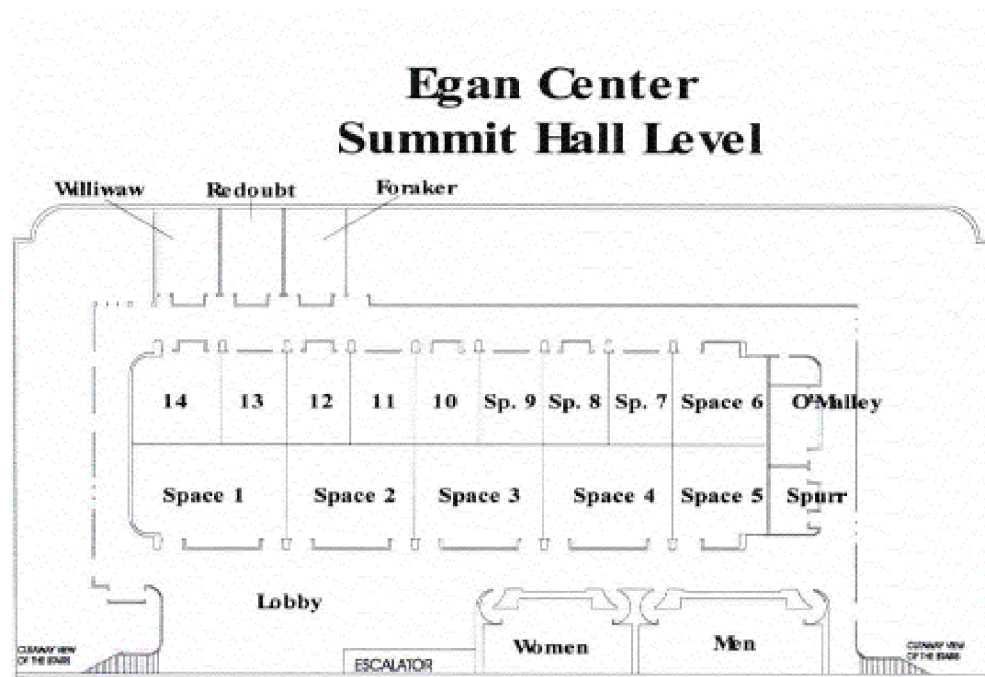
- 8:00 - 5:00 p.m. Breakout Sessions

Friday, February 11

- 8:00 - 4:00 p.m. Breakout Sessions

NOTE:
**See the last page for a schedule of
ancillary events.**

Egan Convention Center Floorplans



Alaska Forum on the Environment, 2005

Leadership Partners:

- Alaska Association of Environmental Professionals
- Alaska Conservation Foundation
- Alaska Department of Environmental Conservation
- Alaska Native Science Commission
- BP Exploration
- Canadian Consulate in Anchorage
- ConocoPhillips
- Denali Commission
- Ecology and Environment, Inc.
- Green Star, Inc.
- Oil Spill Recovery Institute
- Tribal Association for Solid Waste and Emergency Response (TASWER)
- US Air Force
- US Army Alaska, 6th Infantry Division
- US Bureau of Indian Affairs
- US Bureau of Land Management
- US Department of Agriculture
- US Department of Energy
- US Department of the Interior
- US Environmental Protection Agency
- US Federal Aviation Administration
- US Forest Service
- US Minerals Management Service
- US Navy
- US National Park Service

Sponsors:

- Alaska Native Heritage Center
- Alaska Railroad
- Coca-Cola Bottling of Alaska
- Eyak Environmental Science, LLC
- Glacier Brewhouse
- Hilton Hotel
- Holland America
- Humpy's Great Alaskan Alehouse
- Moose' Tooth Pizzeria
- Orso's Ristorante
- Pepsi Cola Bottling Group
- Princess Tours

Exhibitors:

- 8th World Wilderness Congress
- Administration for Native Americans – Region 3
- Alaska Association of Environmental Professionals
- Alaska Community Action on Toxics
- Alaska Department of Commerce, Community & Economic Development, Division of Community Advocacy
- Alaska Department of Environmental Conservation
- Alaska Marine Conservation Council
- Alaska Youth for Environmental Action
- American Society of Civil Engineers
- Analytica Group
- ASCG Incorporated
- Cook Inlet RCAC
- Denali Commission
- Environmental Protection Agency
- Enzyme Technologies Inc.
- Green Star, Inc.
- Minerals Management & Service, AK OCS Region
- Natural Resource Group, Inc.
- North Creek Analytical
- NRCS Resource Conservation and Development Program
- Office of the Deputy Under Secretary of Defense
- PWS Regional Citizens' Advisory Council
- Rehrig Pacific Company
- Severn Trent Laboratories
- Sierra Club - Alaska Chapter
- Solid Waste Association of North America, Alaska Chapter
- Summit Consulting Services, Inc.
- TTT Environmental
- UAF Cooperative Extension Service/US Forest Service
- Universal Remediation, Inc.
- US Air Force
- US Army Alaska
- US Department of Agriculture, Natural Resources Conservation Service
- US Fish & Wildlife Service Subsistence Management Office
- Waste Management, Inc.
- World Wildlife Fund
- Yukon River Drainage Fisheries Association



2005 Board Members and Planning Committee

Vivian Kinnaird, Ecology & Environment, Chairman of the Board of Directors

Greg Goodale, Matanuska-Susitna Borough Board Member

Thomas Manson, ConocoPhillips, Board Member

Ex-Officio Board Members

Doug Mutter, US Department of the Interior, Assistant Director

Carl Gysler, US Federal Aviation Administration

Executive Director

Kurt A. Eilo

Planning Committee

Sandra Borbridge, US Air Force 611th Air Support Group

Patricia Cochran, Alaska Native Science Commission

Paula Conru, The Coordinators, Inc.

Karen Dearborn, US Army

Marti Early, Alaska Department of Environmental Conservation

Kurt Eilo, Alaska Forum Inc.

Cristal Fosbrook, US Army

Santina Gay, US Environmental Protection Agency

Vivian Kinnaird, Ecology & Environment, Inc.

Carl Gysler, Federal Aviation Administration

Lynda Giguere, Alaska Department of Environmental Conservation

Paul Lowry, US Minerals Management Service

Anne Marie Marson, US Environmental Protection Agency

Larry Mercurieff, Alaska Native Science Commission

Doug Mutter, US Department of the Interior

Jackie Poston, US Environmental Protection Agency

Denise Saigh, Alaska Association of Environmental Professionals

Joe Sarcone, US Environmental Protection Agency

Sean Skaling, Green Star Inc

Hayden Street, US Navy

Thomas Manson, ConocoPhillips

Richard Nenahlo, US Army

Cory Willis, ADEC Food Safety and Sanitation

7:00 a.m. - 9:00 a.m.
Upper Lobby

Registration and Check-In

The Egan Center will be open for Registration beginning at 7:00 a.m.

NOTES:

9:00 a.m. - 10:30 a.m.
Explorers Hall

KEYNOTE EVENT:
Dr. David Suzuki

with Welcoming Remarks by Anchorage Mayor Mark Begich



The Alaska Forum on the Environment is proud to announce our opening Keynote Event, Dr David Suzuki. David Suzuki, Chair of the David Suzuki Foundation, is an award-winning scientist, environmentalist and broadcaster. He is renowned for his radio and television programs that explain the complexities of the natural sciences in a compelling, easily understood way.

Dr. Suzuki is a geneticist. He graduated from Amherst College (Massachusetts) in 1958 with an Honours BA in Biology, followed by a Ph.D. in Zoology from the University of Chicago. He held a research associateship in the Biology Division of Tennessee's Oak Ridge National Lab (1961 – 62), was an Assistant Professor in Genetics at the University of Alberta (1962 – 63), and since then has been a faculty member of the University of British Columbia. He is now Professor Emeritus of The University of British Columbia, Sustainable Development Research Institute.

In 1972, he was awarded the E.W.R. Steacie Memorial Fellowship for the outstanding research scientist in Canada under the age of 35. He has won numerous academic awards and holds 16 honorary degrees in Canada, the US and Australia. A member of the Royal Society of Canada and the Order of Canada, Dr. Suzuki has written 40 books, including 17 for children. His 1976 textbook *An Introduction to Genetic Analysis (with A.J.F. Griffiths)*, remains the most widely used genetics text book in the US and has been translated into Italian, Spanish, Greek, Indonesian, Arabic, French and German.

Dr. Suzuki has received consistently high acclaim for his thirty years of award-winning work in broadcasting. In 1974 he developed and hosted the long running popular science program *Quirks and Quarks* on CBC Radio. He has since presented two influential documentary CBC radio series on the environment, *It's a Matter of Survival* and *From Naked Ape to Superspecies*. His television career began on CBC in 1971 when he wrote and hosted *Suzuki on Science*. He then created and hosted a number of television specials, and in 1979 became the host of the award-winning *The Nature of Things with David Suzuki*. He has won four Gemini Awards as best host of a Canadian television series for *The Nature of Things*, which he has been with for 20 of the 40 seasons they have been on air. His eight part television series, *A Planet for the Taking*, won an award from the United Nations. His eight part PBS series, *The Secret of Life*, was praised internationally, as was his five part series *The Brain* for the Discovery Channel. On June 10, 2002 he received the John Drainie Award for broadcasting excellence.

Dr. Suzuki is also recognized as a world leader in sustainable ecology. He is the recipient of UNESCO's Kalinga Prize for Science, the United Nations Environment Program Medal and the Global 500. He is a fellow of the American Association of the Advancement of Science. More info: www.davidsuzuki.org

10:45 a.m. - 11:45 a.m.

• **Solid Waste Alaska Network (SWAN) www.ccthita-swan.org Sharing Village Solid Waste Solutions - Space 4**

Presenters: Ray Paddock III, Central Council Tlingit and Haida Indian Tribes of Alaska (CCTHITA), Lynn Zender Ph.D. & Simone Sebalo, Zender Environmental, Jimmy George, Nightmute Traditional Council and additional village environmental staff (TBA)

Moderator: Ray Paddock III, Central Council Tlingit and Haida Indian Tribes of Alaska (CCTHITA)

This presentation will share Village-based solutions for solid waste issues in Alaska Native Villages. Several invited Village Environmental staff will be speaking about what they did to solve solid waste problem in their community. A free exchange of solid waste questions and solutions from audience members will be facilitated. If you have a solid waste question for other Villages, this is the session for you! We will demonstrate how to use the Village Message Board and announce our next Message Board drawing. We will also pass out a list of new SWAN information and tutorials and hard copies and cd's of SWAN materials for audience members who do not have internet access.

• **Rural Alaska: Environmental Justice Considerations Associated with Global Climate Change - Space 2**

Presenters: Anaru (Andy) Kliskey, Assistant Professor, UAA; Lil (Na'ia) Alessa, Resilience and Adaptive Management Group

Moderator: Victoria Hykes Steere

In a world of dramatic change there has remained for Arctic communities a constant comfort - snow and ice. Now Native villages in Alaska and throughout the Arctic face a major threat to a traditional way of life due to the loss of sea ice as a result of global climate change. This session will examine and discuss Environmental Justice considerations for Arctic communities (specifically Alaska Native villages) impacted by global climate change.

• **Healthy Swimming Pools and Waters, Infectious Disease Scenarios and Prevention - Space 11 & 12**

Presenter: Cory Willis Program Coordinator, ADEC Food Safety and Sanitation

Moderator: Jason Froehle, Municipality of Anchorage

Swimming, one of the most popular activities in the country, is a fun, active, and healthy way to spend leisure time. Every year, millions of people visit "recreational water" sites, such as swimming pools, water parks, hot tubs, lakes, rivers, or the ocean. Over the past century, the use of modern disinfection systems in pools and environmental improvements in our lakes, rivers, and oceans has improved the quality of recreational water. Despite this, there has been an increase over the past decade in the number of outbreaks of illness associated with swimming. What are recreational water illnesses (RWIs)? RWIs are illnesses that are spread by swallowing, breathing, or having contact with contaminated water from swimming pools, spas, lakes, rivers, or oceans. Recreational water illnesses can cause a wide variety of symptoms, including skin, ear, respiratory, eye, and wound infections. The most commonly reported RWI is diarrhea.

• **Fish and Wildlife in Alaska: Pribilof Spill Response and Coastal America Habitat Protection and Restoration - Space 3**

Moderator: Phil Johnson, US Fish and Wildlife Service

I. Wildlife Response During Oil Spills: The Pribilof Island Program—Captain Ron Morris, US Coast Guard; Pamela Bergmann, US Department of the Interior

Wildlife Protection Guidelines have been established for response to oil spills in the Pribilof Islands. In 2004, an exercise to test those guidelines and train responders was carried out on St. Paul. This reports on the results of that effort and describes plans for future exercises.

II. The Coastal America Program: Protecting and Restoring Fish and Wildlife Habitat—Virginia Tippie, Coastal America

Coastal America is a partnership among federal, state, and local governments and private alliances to address environmental problems along our nation's coasts. Various projects to protect and restore habitat have been sponsored in Alaska. Programs include the Corporate Wetlands Restoration Partnership and Coastal Ecosystem Learning Centers.

• **Water Quality-Chester Creek and Ship Creek - Space 13 & 14**

I. Ongoing Efforts to Characterize Fecal Coliform Distributions in Chester Creek

This presentation describes activities at the University of Alaska Anchorage designed to investigate spatial, temporal and phase distributions of fecal coliform bacteria in Chester Creek. Current results of this ongoing effort are discussed relative to similar efforts conducted by UAA and other entities.

Tammie Wilson, Graduate Student, University of Alaska Anchorage; Graham Stahnke, Graduate Student, University of Alaska Anchorage

II. Baseline Water Quality Assessment of Ship Creek

This presentation describes an ongoing study to determine the baseline levels of standard water quality parameters over an entire one year period in order to identify seasonal changes. The choice of sampling locations will be explained as well as the current results and how they compare to previous studies.

Jon E. Zufelt, PhD, PE, Cold Regions Research and Engineering Lab, Anchorage Office

• **Overview of Global Contaminant Sources Impacting the US Arctic - Space 1**

Presenters: Carl Hild, Institute for Circumpolar Health Studies, Division of Health Sciences at University of AK Anchorage; Laurie Chan, Ph.D., Center for Indigenous Peoples' Nutrition & Environment

Moderator: Patricia Cochran, Alaska Native Science Commission

An overview of global contaminant sources impacting the US Arctic, a description of persistent, bioaccumulative, & toxic chemicals (PBTs), and insight into their potential effects on humans and the environment.

(This session continued on next page ⇨)

10:45 a.m. - 11:45 a.m. continued

• **North Slope Tundra Travel Studies - Space 7 & 8**

Presenter: Harry Baker, Alaska Dept. of Natural Resources (ADNR)
 Moderator: Sally Rothwell, ConocoPhillips Alaska, Inc.
 The ADNR Tundra Travel Model is a joint research project among ADNR, US Dept. of Energy, Yale University, and the Alaska Oil and Gas Association. The study represents the first standardized field experiment to determine the ecological effects of overland winter travel in arctic tundra. Results will be used to assist land managers in planning winter hydrocarbon exploration, development, and production activities.

• **MMS Use of the Oil-Spill Risk Analysis (OSRA) Model - Space 5 & 6**

Presenter: Caryn Smith, Minerals Management Service
 The Minerals Management Service assesses oil-spill risks associated with off-shore energy activities off the US continental coast and Alaska calculating spill trajectories and contact probabilities. These analyses address the likelihood of spill occurrences, the transport and fate of any spilled oil, and the environmental impacts that might occur as a result of the spill. The MMS Oil-Spill Risk Analysis (OSRA) model combines the probability of spill occurrence with a statistical description of hypothetical oil-spill movement on the ocean surface.

Modeling results are used by: MMS staff for writing environmental impact statements, environmental assessments, and biological assessments; other federal and state agencies for review of environmental impact statements, environmental assessments, and endangered species consultations; and oil industry specialists preparing oil spill response plans.

Paths of hypothetical oil spills are based on hindcasts (history) of winds, ocean currents, and ice in Arctic waters, using the best available environmental information. Model output includes tables of probable contact and GIS (Geographic Information System) representations of these probabilities, with and without the probability of occurrence of one or more spills.

• **How to effectively comment on proposed regulations - Space 9 & 10**

Presenter: Kimberly Stryker, ADEC Food Safety and Sanitation
 This session is for any person who is interested in proposed regulatory changes - consumers, business owners... anyone with an interest in a regulation. Session is non-controversial and will not address a specific regulation project. Rather, regulations will be introduced, a brief description of the regulatory revision process will be presented, and examples given of how to effectively make recommended changes or comments to the regulations.

• **Environmental Crime Investigations - Williwaw Room**

Find out how EPA's criminal investigative division investigates the most egregious violations and learn about the most recent actions and developments on Alaska's criminal enforcement cases.

• **How Much is Zero? - Redoubt Room**

Presenter: Richard Nenahalo, US Army - Alaska
 Discussion of the limits of "state-of-the-art" analytical chemistry to actually measure nanogram concentrations of environmental contaminants and the implications for human health risk assessment.

12:00 p.m. - 1:45 p.m.
 Explorers Hall

KEYNOTE EVENT: Maggie Ahmaogak



Maggie Ahmaogak, born in Barrow, Alaska, is the third eldest of 17 children born to Arnold and Emily Brower. Maggie has been married to the Honorable North Slope Borough Mayor George N. Ahmaogak (Alaska Forum on the

Environment presenter in 2004), Sr. since 1970; they have five children: Meda, Edalee, George Jr. (JR), Forrest and Jesse. Maggie graduated from MTI Business College in 1971 and attended the University of Alaska Fairbanks from 1973 to 1975 where she majored in Office Administration and Accounting.

Hired as Executive Secretary for the late NSB Mayor Eben Hopson, Sr., Maggie was the first employee of the Borough, eventually becoming the accounting supervisor. She also served as Corporate Secretary and Accountant for the Ukpeagvik Inupiat Corporation (ANCSA Corporation for Barrow), ultimately becoming a board member and treasurer. Mrs. Ahmaogak also served as Comptroller to the Inupiat Community of the Arctic Slope (ICAS), regional tribal organization for the Arctic Slope.

Since her selection as Executive Director to the Alaska Eskimo Whaling Commission in 1990, Maggie has worked tirelessly on behalf of the Commission and the Alaska whaling communities of Kaktovik, Nuiqsut, Barrow, Wainwright, Pt. Hope, Kivalina, Wales, Little Diomedea, Savoonga and Gambell. Her dedication and hard work are appreciated by her associates and colleagues. Maggie has been attending the International Whaling Commission (IWC) annual meetings since 1978. She has impressed IWC members with her ability to communicate with those from many different countries. Maggie has made diplomatic visits to various members of the IWC and has been an ardent and effective spokeswoman for the importance of whaling to the Eskimo subsistence life in Alaska.

Presentation of the Coastal America Partnership Award
 Presented to the Silver Salmon Creek Restoration Team by Timothy R.E. Keeney, Deputy Assistant Secretary for Oceans and Atmosphere, National Oceanic and Atmospheric Administration, US Department of Commerce

2:00 p.m. - 3:15 p.m.

• **Solid Waste Program Planning in Rural Alaska - Space 4**

Moderator: Jennifer Williams, Alaska Solid Waste Training Program Manager, Institute for Tribal Environmental Professionals (ITEP)

Environmental coordinators from rural Alaska will present examples of solid waste planning followed by ADEC's presentation on the importance of the planning process without the regulatory requirements.

• **Resource Development: How to Make Your Voice Heard, Part I - Space 2**

Moderator: Patty Schwalenberg, Native American Fish and Wildlife Society

Presenters: Val Thomas, Bureau of Indian Affairs (BIA) on NEPA; Mike Burwell, Minerals Management Service on Environmental Justice; Bruce Oskolkoff, Niniichik Tribe on Cook Inlet NPDES Permit Renewal; Doug Dobyns, Sitka Tribe on Tribal Involvement

This two-part session is intended to provide community and Tribal members information on resources that will help strengthen their voice in government processes that permit and regulate development.

• **Methicillin-Resistant Staph Aureus (MRSA), Occurrence and Prevention in Traditional Steam Baths in Western Alaska Villages - Space 7 & 8**

Presenter: Thomas Hennessy, M.D., MPH, Arctic Investigations Program, Centers for Disease Control & Prevention

Moderator: Jeff Smith, ANTHC

Methicillin-Resistant "Staph" Aureus (MRSA) skin infections have been associated with the use of steam baths in rural Alaska. This session will provide background information on the disease organism, the manner in which individuals become infected with the disease, risk factors for MRSA infections, and data regarding environmental contamination and its role in the MRSA epidemic. In addition data from experiments to determine optimal methods of cleaning steam bath wood surfaces will be presented, as well as, information on proposed follow up studies and intervention projects aimed at controlling the spread of MRSA in rural Alaska using village-based education and steam bath cleaning.

• **Report Card on Whales and Seals in Alaska - Space 3**

Moderator: Brad Smith, National Marine Fisheries Service

Overview of the Status of Alaska's Whales and Pinnipeds—Brad Smith, National Marine Fisheries Service; Current Issues Concerning Alaska Beluga Whales—Barbara Mahoney, National Marine Fisheries Service; Age Determination of Beluga Whales—Dan Vos, National Marine Fisheries Service

• **Native American Lands Environmental Mitigation Program (NALEMP) - Space 11 & 12**

This session will include information on Native American Environmental Tracking Session (NAETS), how projects are selected for funding by the Department of Defense, and presentations on past and current projects. Current and former NALEMP project staff are invited to share information regarding their Cooperative Agreement projects.

Pat Roth, US Army Corps of Engineers; Eleanor Yatlin, Louden Tribal Council; Tom Brower, Native Village of Barrow

• **Contaminated Sites in Alaska - Space 13 & 14**

An overview of the history and current status of cleanup of soil and groundwater contaminated with petroleum and other hazardous substances. How many locations exist in Alaska, where are they, and how can you find out more about them? The Alaska Department of Environmental Conservation presents this historical look at the big picture.

Presenters: Greg Light and Marti Early, ADEC Contaminated Sites Program

Moderator: Denise Saigh, Alaska Association of Environmental Professionals

• **Contaminants in the North - Dietary Studies - Space 1**

Presenters: Larry Mercurieff, Alaska Native Science Commission; Carol Ballew, PhD, Alaska Native Health Board; Jennifer Johnson, MPH, RD, LD, Alaska Native Tribal Health Consortium; Ben Snowball; Karen Pletnikoff, Aleutian/Pribilof Islands Association

Moderator: Fran Stefan, US Environmental Protection Agency

Many communities have expressed concern over the quality of their traditional foods. This session will include overviews of some wide-scale & localized dietary surveys and associated sampling conducted by communities with assistance from various organizations.

• **Fire Island Wind Energy Project - Space 5 & 6**

Chugach Electric is proposing to construct a wind farm on Fire Island to supply power to Anchorage and other communities. The presenter will be Steve Gilbert of Chugach Electric.

• **Dust Monitoring Results in Northwest Alaska - Williwaw Room**

Over 50 villages have expressed concerns about dust, and air monitoring in Ambler, Bethel, Buckland, Kotzebue and Noorvik has recorded exceedances of the air quality standards. Air quality staff from the Department of Environmental Conservation explains rural dust study monitoring results and discusses options for tackling this important health issue. Presenter: Gerry Guay, Division of Air Quality

3:30 p.m. - 4:45 p.m.

• **Solid Waste Program Implementation in Rural Alaska - Space 4**

Moderator: Jennifer Williams, Alaska Solid Waste Training Program Manager, Institute for Tribal Environmental Professionals (ITEP)

Environmental coordinators from rural Alaska will present examples of implementing Solid Waste management, including grants they have applied for, hiring people, materials needed, and administrative efforts. Presenters and topics include: Jennifer Williams, ITEP-Solid Waste Program Implementation Overview, Edward Nicholai, Atmautluak—Integrated Solid Waste Management Plan Implementation Process, Ron Wassillie, Newhalen—Cleaning up the Landfill, Vicki Thomas—Native Village of Fort Yukon.

• **Resource Development: How to Make Your Voice Heard, Part 2 - Space 2**

Moderator: Patty Schwalenberg, Native American Fish and Wildlife Society

This two-part session is intended to provide community and Tribal members information on resources that will help strengthen their voice in government processes that permit and regulate development.

Presenters and Topics: Val Thomas, NEPA; Bruce Oskolkoff - NPDES, Cook Inlet Permit; Mike Burwell, Environmental Justice; Doug Dobyns - Tribal Involvement -- A Place at the Table

• **Hydrology Basics for Rural Alaska Environmental Coordinators and Technicians - Space 3**

Presenters: Rob Sampson, USDA, Natural Resources Conservation Services (NRCS), State Engineer

Moderator: Joe Sarcone, USEPA

This session offers a basic overview on the subject of hydrology with applications to Alaska. The information and discussion is specifically directed to environmental coordinators and technicians from rural Alaska with an interest in learning more about hydrology and the way hydrology relates to environmental protection.

• **The Manifestation and Spread of Helicobacter Pylori in Rural Alaska Villages, Health Implications and Prevention - Space 7 & 8**

Presenter: Alan Parkinson, PhD, Arctic Investigations Program, Centers for Disease Control & Prevention

Moderator: Jeff Smith, ANTHC

This session will provide information on one of the most widespread infections in people living in rural Alaska, Helicobacter Pylori.

H. pylori can cause gastro-intestinal illness in people of all ages. The presentation will include background information on microbiology of the organism and the manner in which people are infected, including the role of water as a possible source of infection in rural Alaska. For more than a decade Dr. Parkinson has been responsible for establishing the surveillance and developing the detection methods for Helicobacter pylori in Alaska.

• **Issues on Marine Habitat - Space 11 & 12**

Moderator: Linda Shaw, National Marine Fisheries Service

Recent Progress in the Identification and Conservation of Essential Fish Habitat in Alaska--Jeanne Hanson, National Marine Fisheries Service

Environmental Issues Associated with the Marine Use of Cresote-Treated Wood--Sue Walker, National Marine Fisheries Service

Duck Creek: Lessons Learned from Restoration of an Alaskan Urban Stream--K. Koski, National Marine Fisheries Service

• **Alternate Procedures for Historic Army Properties - Williwaw Room**

Presenter: Russell Sackett, CSU - US Army Garrison Alaska

Over the past two years USAG-AK's Cultural Resources program has held a number of meetings with approximately 100 stakeholders that have an interest in lands managed by USAG-AK. Stakeholders include approximately 60 federally recognized tribes, the State Historic Preservation Officer, the National Park Service, the Bureau of Land Management, statewide non-profits, and local preservation groups. Through these meetings, drafts of the HPC have been developed incorporating concerns expressed by participants. The next draft of the HPC is expected out in mid-January 2005. Parties participating in assisting in preparing this document will be provided 60 days to review and make comments. A review meeting with stakeholders will be held in Fairbanks as a final review.

• **Reevaluation of Animal Bioassays in Predicting Human Cancer Risk - Space 9 & 10**

Presenter: Richard Nenahlo, US Army - Alaska

Animal bioassay studies have been used as the basis for predicting human cancer risk. Frequently, study results have been extrapolated directly to calculate human risk. However, the complexities of disease causation, genetics, statistics, the actual procedures used in the animal studies have come under increasingly severe scrutiny. The costs, lost opportunities, unintended consequences, and inappropriate inferences of animal bioassays to humans have caused many researchers to question both the importance and the applicability of such bioassays to human risk.

(This session continued on next page ⇨)

3:30 p.m. - 4:45 p.m. continued

• **Federal Sites Restoration in the Aleutian/Pribilof Region: Tribal Consultation, Working Cooperatively with Federal & State Agencies, and Update on Amchitka Watch Program - Space 5 & 6**

Presenters: Chris Riggio, Mahri Lowinger, and Bob Patrick, Aleutian/Pribilof Islands Association

Moderator: Marti Early, Alaska Department of Environmental Conservation
A presentation on the Aleutian/Pribilof Islands Association's work with Aleut Tribes and federal & state agencies to build cooperative relationships in cleanup and restoration of contamination at federal sites in the Aleutian/Pribilof Region. It will cover successes and challenges of the Restoration Oversight Committee, a group of tribal representatives working together now for several years to address federal sites issues and to improve the Tribal consultation process. Also included will be an update on work to address concerns resulting from the three underground nuclear test sites on Amchitka Island: recent summer 2004 field work and sampling efforts, the Consortium for Risk Evaluation and Stakeholder Participation, and the Amchitka Science Plan.

• **Contaminants in the North - Assessing Potential Human Health Impacts - Space 1**

Presenters: Jim Berner, MD, Alaska Native Tribal Health Consortium
Scott Arnold, Ph.D., Alaska Department of Health & Social Services
Laurie Chan, Ph.D., Centre for Indigenous Peoples' Nutrition & Environment
Moderator: Mike Bradley, DVM, MPH, Alaska Native Tribal Health Consortium
Cord-blood and human hair monitoring studies have been ongoing in an effort to measure contaminant levels in Alaska Native women and infants. This session will highlight results of these projects as well as similar Canadian studies.

• **Wind, Bio-Mass and Geothermal Replacement of Diesel Energy - Space 13 & 14**

Presenters: Brent Petrie, Alaska Village Electric Cooperative; Peter Crimp, Alaska Energy Authority; Dennis Meiners, PowerCorp
A report on harvesting wind power to replace part of the load otherwise serviced by diesel generators. A discussion of bio-mass, bio-diesel, and geothermal energy sources, and Energy Authority resources for evaluating applicability of using these sources.

4:45 p.m. - 5:30 p.m.

• **Social Event - sponsored by Green Star - Cook Room**

Enjoy great hors d'oeuvres, drinks from the bar and the fine company of fellow conference-goers. Visit the vendor booths for information on a wide variety of environmental organizations, programs and projects.

The host, Green Star, is an Anchorage-based non-profit organization that works toward achieving sustainable communities in Alaska primarily through voluntary efforts on the part of organizations and individuals. Green Star recognizes businesses committed to environmental responsibility with its popular Green Star Award or Air Quality Award. The organization also offers an annual electronics recycling event for south-central Alaska, technical assistance with workplace waste prevention, a Green Events program, of which AFE is one, and chapter opportunities for Alaska communities. For more information, please visit our AFE booth or visit <http://www.greenstarinc.org>.

5:30 p.m. - 6:30 p.m.
Explorers Hall

KEYNOTE EVENT: Derrith Watchman-Moore (sponsored by TASWER)



The Tribal Association for Solid Waste and Emergency Response (TASWER) is proudly sponsoring Deputy Secretary Derrith Watchman-Moore as an Alaska Forum Evening Keynote Presentation. Deputy Secretary

Derrith Watchman-Moore joined the New Mexico Environmental Department after serving as Executive Director of the Navajo Nation's Environment Protection Agency and as Chief of Staff to former Nation President Kelsey Begaye. She has a long history of involvement with environmental issues from the perspectives of both tribes and private industry. Deputy Secretary Watchman-Moore has worked as an environmental/safety engineer for Packard-Hughes Interconnect, a General Motors subsidiary and as Deputy Director for the Pueblo Office of Environmental Protection.

A graduate of Colorado State University (B.S., 1986), Deputy Secretary Watchman-Moore has also completed graduate course work at the University of New Mexico in chemical and nuclear engineering, hazardous materials management and public administration. She is a Certified Hazardous Materials Manager (CHMM) at the Master level. Derrith enjoys any team sport, especially basketball and was a pretty fast goat tie-er in her rodeo days. She is the mother of five children and lives on the Navajo Nation in Crystal, New Mexico.

8 a.m. - 9 a.m.
Explorers Hall

KEYNOTE EVENT: Dr. Michael Gough



During a decade-long academic career, Michael Gough (Ph.D., Biology, Brown University) published two-dozen papers in molecular biology and was a Fulbright Lecturer in Peru and India. He joined the

congressional Office of Technology Assessment in 1977, where he directed and contributed to OTA reports on subjects ranging from environmental causes of cancer, occupational health and safety and Love Canal through biotechnology to oil shale mining. He directed OTA's congressionally mandated oversight of studies of cancer in veterans of atom bomb tests and of the health of Vietnam veterans. He chaired a Department of Veterans Affairs advisory committee (1987-90) about the possible health effects of herbicides used in Vietnam and the Department of Health and Human Services committee (1990-95) that advises the United States Air Force study about the health of Air Force personnel who sprayed Agent Orange in Vietnam and served again on that committee (2000 – 2004). In 1995, he served on the Environmental Protection Agency's Science Advisory Board committee that evaluated EPA's dioxin reassessment.

Gough has worked at a consulting firm, as a free-lance consultant, in private sector think tanks, and retired from Director of Science and Risk Studies at the Cato Institute and from full-time work in 1999. He wrote and edited four books, wrote more than 40 papers about environmental and occupational health and numerous newspaper op-eds and testified about three dozen times before Congress. He is a fellow of the Society for Risk Analysis and was President of the International Society for Regulatory Toxicology and Pharmacology (2001-2002).

Since his retirement, he has been a volunteer teacher of English as Second Language to adults in suburban Maryland. He continues to do some consulting and writing about various aspects of science and technology.

9:15 a.m. - 10:15 a.m.

• *Can Anchorage Recycling Take the Next Big Step?* - Foraker Room

Moderator: Keith Howard, Municipality of Anchorage

A panel of key government, non-profit and private sector organization representatives will discuss the barriers and possible solutions to growing recycling in Anchorage.

• *Climate Change Impacts on the Spread of Infectious Disease and the Implications for Environmental Health Practitioners* - Space 4

Presenter: James Berner M.D., MPH, Alaska Native Tribal Health Consortium

Moderator: Mike Halco, Bristol Bay Area Health Corporation

Description: Warming temperatures in Alaska due to global climate change present the opportunity for the introduction and transmission of infectious diseases which, in the past, occurred sparingly or not at all in Alaska. Dr. Berner, the Chief of the Community Health Program at the Alaska Native Tribal Health Consortium (ANTHC) and an expert on circumpolar community health issues, will share his expertise and observations on the spread of infectious disease related to climate change in this presentation and discussion.

• *"Western" Science and Indigenous Knowledge: Consensus or Conflict* - Space 5 & 6

Mike Burwell, Minerals Management Service, will discuss the definitions and characteristics of science and indigenous knowledge. He will address areas of consensus and disagreement and case studies that validate, cancel, or synthesize both knowledge sets. Differing cultural, societal, and linguistic views of risk and risk perception and the role of traditional knowledge in decision making will be discussed.

• *Arctic Environmental Studies: Tundra Ponds Water Withdrawals* - Space 3

Moderator: Mark Prieksat, US Army

Tundra Ponds Water Withdrawal Study, Larry Hinzman, University of Alaska Fairbanks: This presentation will explore our current understanding of winter water use from Arctic coastal plain lakes. For many years, the oil industry and support services have withdrawn water from freshwater lakes to build ice roads and pads for increased access to remote sites with decreased maintenance costs. Recently, questions have been raised regarding the potential environmental consequences of water withdrawal. Possible effects of pumping include impacts to the water balance, direct impacts to aquatic organisms (including fish and invertebrates), and impacts to lake-water chemistry. There may also be associated cumulative impacts as lakes are repeatedly pumped year after year.

• *Contaminants in the North - Nutritional Benefits of a Traditional Diet* - Space 1

Presenter: Eric Loring, Inuit Tapiriit Kanatami; Amy Caughey, Government of Nunavut

Moderator: Pat Roach, Northern Contaminants Program

Alaskans who rely on a traditional diet have a lot in common with their Canadian neighbors. Canadians will share information on diet and nutrition and discuss various techniques they have employed in efforts to exchange information with individuals in remote villages.

(This session continued on next page ➡)

9:15 a.m. - 10:15 a.m. continued

• ***Energy Resources in Alaska and the World - Space 9 & 10***

Chris Rose, Director of the Renewable Energy Alaska Project (REAP), will talk about opportunities for Alaska to develop its wind, geothermal, and biomass resources.

• ***Changes to Solid Waste Regulations - Space 11 & 12***

Presenter Kim Stricklan

The DEC Solid Waste Program is in the process of revising the solid waste regulations. The new regulations will likely take effect in 2007. Although the revisions will affect both municipal and industrial landfills, the most significant changes will be in the Class III regulatory program. All of the changes being made are intended to improve waste management practices in Alaska.

• ***Gas Pipeline and Coalbed Methane Update - Space 2***

Moderator: Denise Saigh, Chair, AK Association of Environmental Professionals, O.E.S., Inc.

Ken Taylor from the Joint Pipeline Office will give an overview of the proposed Gas Pipeline Project and its effects on the environment. Pat Galvin from Department of Natural Resources will cover the past, current and proposed Methane Gas activities in Alaska.

• ***Subsistence Food Consumption in Risk Assessment - Space 13 & 14***

Moderator: Peggy Yang - Environmental Scientist at Hoefler Consulting Group

Stephanie Pingree and Lindsay Smith will discuss different methods used to include subsistence food consumption in various risk assessment performed by Alaska Department of Environmental Conservation during contamination cleanup.

10:30 a.m. - 11:45 a.m.

• ***Improving Hazardous Waste Handling and Disposal in Rural Alaska - Space 4***

Presenters: Jennifer Williams, ITEP, Lynn Zender PhD & Simone Sebalo, Zender Environmental, Kyle Downing, ADEC, Lance Whitwell, Native Village of Venetie, Kate McLaughlin, Native Village of Chenega

Moderators: Jennifer Williams, Institute of Tribal Environmental Professionals (ITEP), Lynn Zender, PhD., Zender Environmental

Find out how to improve (or start) your Village hazardous waste handling and disposal in Rural Alaska. A variety of practical Village hazardous waste solutions will be presented, including: small scale remediation for fuel tank overfills as performed by the Native Village of Venetie, starting a hazardous waste collection center as performed by Chenega Bay, demonstration of less toxic cleaners; recycling/backhauling computers, using a used oil burner for heat, and re-using used oil in a waste oil blender (WOTEC) as performed in Aniak.

• ***Preventing Fuel Spills From Small Fuel Storage Tanks - Space 11 & 12***

Moderator: Joe Sarcone, US EPA

Presenter: Randy Dowd, Prevention and Emergency Response Program, Alaska Department of Environmental Conservation

Practical things you can do to prevent fuel spills from small fuel storage tanks such as home heating fuel tanks. The presentation and discussion will include information on siting of fuel tanks, sturdy tank support structures, and line maintenance.

• ***Protecting Family Drinking Water in Rural Alaska - Williwaw Room***

Moderator: Jaqueline Agnew, ANTHC

I. Protecting Family Drinking Water in Rural Alaska

Presenter: Dave Barnes Ph.D., Associate Professor, Environmental Graduate Programs Coordinator, UAF Water and Environmental Research Center

This session outlines a new 3-year UAF Water and Environmental Research Center research, education and outreach partnership with Eek, Alaska addressing household water storage and use issues. The opening presentation goes on to summarize summer 2004 research and survey data involving presence and transportation of E.coli bacteria.

II. On-going Investigation of Pathogen Survivability in Extreme Environmental Conditions

Presenter: Hrishikesh Adhikari, Graduate Student, UAF Water and Environmental Research Center

This study investigates pathogen survival using total coliforms and the most probable number gas fermentation technique at varied temperature (-28°C to 20°C) and moisture regimes over extended periods.

• ***Vibrioparaheolyticus Outbreak in Alaska Oysters, Implications of Warming Ocean Waters and the Spread of Infectious Disease - Space 9 & 10***

Presenter : Dr. Joe McLaughlin, Epidemiologist, State of Alaska H&SS

Moderator: Chris Tofteberg, Municipality of Anchorage

This past summer a rare food borne disease outbreak occurred from the consumption of fresh oysters. *Vibrio parahaemolyticus* is a bacterium that naturally inhabits coastal waters in North America. What caused this, what can be done to prevent it and what is the impact of the warming of the ocean's water in this vital public health arena?

(This session continued on next page ⇨)

10:30 a.m. - 11:45 a.m. continued

• ***Fish and Wildlife Studies: Ringed Seals and Arctic Fish - Space 3***

Moderator: Dave Tyson, Fisheries and Oceans Canada

I. Ringed Seal Studies in the Southeastern Beaufort Sea – Lois Harwood, Fisheries and Oceans Canada

An overview of two ringed seal studies in the Canadian Beaufort Sea will be presented 1) a harvest-based seal monitoring study, done with Inuvialuit co-management partners; and 2) a satellite tracking study, following ringed seals through the Beaufort Sea and into the Chukchi and Bering areas.

II. Effects of Air Gun Use on Riverine Fish – Pete Cott, Fisheries and Oceans Canada

This project was designed to assess the impacts of air-gun generated noise on northern fish in a riverine setting. A behavioural study was conducted using hydro-acoustic equipment to assess the reaction of free swimming fish to approaching air-gun noise. A physiological study assessed the hearing and damage to the inner ears of fishes exposed to different noise levels.

• ***Bridging the Gap Between Education and Employment in the Environmental Field - Foraker Room***

Moderator: Sam Vigil Ph.D., P.E. Professor, Environmental Engineering Cal Poly San Luis Obispo

Environmental Professionals and University Professors will discuss what University students need to know prior to seeking jobs in the environmental field. This includes academic preparation for today's environmental workforce, career options and interviewing tips.

• ***Contaminants in the North - Canada's First Nations & the Northern Contaminants Program - Space 1***

Presenters: Russel Shearer - Northern Contaminants Program; Pat Roach - Northern Contaminants Program; Cindy Dickson - Council of Yukon First Nations

Moderator: Rudy Brueggemann, Canadian Consulate, Anchorage

Representatives of Canada's Northern Contaminant Program will present an overview of the mission, priorities, organizational structure, accomplishments, operating guidelines, research requirements, and the involvement of First Nations.

• ***Methane Resources at Fort Yukon: Implications for Local Energy Supply in Rural Alaska - Space 13 & 14***

Presenter: Dr. Charles E. Barker, research geologist, US Geological Service, Denver, Colorado

Moderator: Tom Manson, ConocoPhillips Alaska, Inc.

Exploring Coalbed Methane as an Energy Source for Remote Alaskan Villages. Remote Alaska villages have electricity and heating cost 3-5 times that of urban Alaska. Local energy resources have the potential to reduce cost and provide employment in rural Alaska. Federal agencies in partnership with the State of Alaska are assessing the feasibility of extracting natural gas from coal in remote villages using lightweight, low-impact drilling technology.

• ***Alaska's Clean Water Action Grant Solicitation for FY06 - Redoubt Room***

The workshop is to inform the public about how to apply for grants, the match and specific requirements for each grant's funding source, what amounts are available, what type of projects we are soliciting, the areas where work is needed and other pertinent information.

• ***Environmental Management Systems - Board Room***

Moderator: Karen Wuestenfeld - British Petroleum Exploration (AK) Inc. Health Safety Environmental Planning and Performance Team Lead

Jane Thomas will speak on what is on the horizon for EMS. Linda Ward will speak on field level EMS operational controls and Fritz Gunkel will speak on using EMS to oversee contractor's Environmental Compliance.

• ***Environmental Contaminants Detection and Soil Cleanup Techniques - Space 2***

Moderator: Andrew Dimitriou SLR Alaska Manager

Eric Redman from Severn Trent Laboratories, Inc. will discuss determination of Perchlorate and other Emerging Contaminants in the Environment. Tom Johnston will discuss their spill response and cleanup at Ted Stevens International Airport. Heather Arkinson from UAA will present her research on Pharmaceuticals in Alaska Waters.

• ***Soil and Water Quality on Military Training Lands - Space 7 & 8***

Presenter: Dr. Charles Collins, Cold Regions Research and Engineering Lab

As part of its Range Sustainment effort the Army in Alaska has initiated a program to monitor soil and water-quality on Army training lands and ranges and in surface waters draining those lands. The objective is to assess the amount of residues from explosive munitions at the currently used testing and training impact ranges in Donnelly Training Area and Fort Wainwright and the potential for surface water and ground water contamination.

12 p.m. - 1:45 p.m.
Explorers Hall

KEYNOTE EVENT:

Dr. Michael L. Rosenzweig

(Sponsored by Eyak Environmental Science, LLC)

"Win-Win Ecology"



Eyak Environmental Science, LLC is proudly sponsoring our Tuesday Noon Keynote Event, Dr. Michael L. Rosenzweig. Michael L. Rosenzweig, Ph.D., is professor of Ecology & Evolutionary Biology at the

University of Arizona, a department he founded in 1975. He is the author of *Win-Win Ecology: How the Earth's Species Can Survive in the Midst of Human Enterprise* (Oxford University Press, 2003).

Known as an innovator, Rosenzweig participated in some of the most fundamental ecological research of the twentieth century. He developed mathematical theories of predation dynamics, foraging choice and species diversity. And he opened the era of modern ecological research on desert animals, an enterprise in which he continues.

While doing the research for his influential graduate textbook, *Species Diversity in Space & Time* (Cambridge University Press, 1995), he discovered a startling and simple quantitative relationship between the number of species and the amount of area in a continent. This led to the scientific prediction that our current set-aside tactics, focused mainly on saving wild species in national parks and wildlife refuges, is doomed to failure. Horrified, he developed an idea that will work: Reconciliation Ecology, that is, creating and maintaining species-friendly habitats in the very places where people live, work, or play. For more information go to: www.winwinecology.com/Qs.html

In 1987, Rosenzweig founded the successful scientific journal *Evolutionary Ecology*. In 1998, he founded a competitor, *Evolutionary Ecology Research (EER)*, which is proving that fair profits, reasonable prices and great science can all coexist in the world of scientific publishing. EER, of which he is publisher and editor-in-chief, reaches millions of scientists and their students world-wide.

*Presentation of the Alaska Association of Environmental Professionals
Scholarship Awards*

2 p.m. - 3:15 p.m.

• **Alaska Youth For Environmental Action (AYEA): Future Leaders Taking Action Today - Foraker**

Moderator: Polly Carr, AYEА

Members of Alaska Youth for Environmental Action will share some of the projects they have done to address recycling, air quality and other pollution prevention issues, and explain opportunities for getting involved in the upcoming year.

• **Essential Tools for Managing Day-to-Day Solid Waste Generation in a Rural Alaska Village - Space 7 & 8**

Presenters: Susan Gilbreath PhD and Lynn Zender PhD, Zender Environmental, John Pavitt US EPA

Moderator: Ray Paddock, Central Council Tlingit and Haida Indian Tribes of Alaska

This session will teach you how to identify – and reduce – health risks from your community open dump site. We will talk about practical and immediate fixes that folks can implement as soon as they get home. We will review what is known now about dump site health risks and pass out easy-to-use handouts on this topic. We will go over some ideas about waste burning and how to minimize the risks from burning dumps.

• **Impacts of Climate Change on Rural Water and Sanitation Infrastructure in Alaska: Catastrophic Storm Events, Erosion, Changes to Permafrost - Space 5 & 6**

Presenter: John Warren, P.E., Alaska Native Tribal Health Consortium

Moderator: Joe Sarcone, USEPA

In northern regions, climate change can include changes in precipitation magnitude and frequency, reductions in sea ice extent and thickness, and climate warming and cooling. These changes can increase the frequency and severity of river or coastal flooding and erosion. Other changes may include drought or degradation of permafrost. These changes can result in damage to community structures and facilities increasing the potential for the spread of disease in the affected population or threatening a community's ability to maintain its economy, geographic location, or cultural tradition leading to stress related health issues among its residents.

• **Fish and Wildlife Studies: Western Alaska Village Studies of Salmon, Marine Mammals, and Subsistence Foods - Space 3**

Moderator: Michael Smolen, World Wildlife Fund

I. Quality of Salmon Habitat in Freshwaters--Henry Oyoumick, Unalakleet: This is a village study of the quality of freshwater habitats on which salmon depend. Water chemistry, physical conditions, and macroinvertebrate abundance and changes are studied.

II. Paleontological Study of Fur Seals and Steller Sea Lions--Max Malavansky Jr., St. George: The analysis of bones collected at an historic fur seal and Steller sea lion rookery are the focus of this village study. Genetic diversity and aging are also studied.

III. Changes in Collection Patterns of Subsistence Foods--Albert Simon, Hooper Bay: This village study is documenting changes that relate to subsistence foods collected from the sea and on land, such as the timing of fish runs and tundra bloom.

(This session continued on next page ⇨)

2 p.m. - 3:15 p.m. continued

• **University of Alaska Student Presentations - Williwaw**

Moderator: Bill Schnabel, Ph.D. Assistant Professor, Civil and Environmental Engineering University of Alaska Anchorage; David Persinger - Arsenic removal techniques; Kelly Carson - Characterization of Natural Organic Matter in Alaska Waters; Helen Traylor - Electrodeionization technology for water treatment; Bill Lee - Electrical resistivity tomography for tracking moisture flow through unsaturated soils.

• **Recreational Pursuits and Military Lands: Access and Impacts - Space 11 & 12**

I. USARTRAK Provides USAG-AK a Way to Monitor Recreation

Chris Garner, CSU-US Army Alaska

US Army Garrison Alaska (USAG-AK) has introduced a recreational check-in system to facilitate access to Army training lands. Nearly every recreational pursuit is available on USAG-AK training lands. USARTRAK aim is to make the most of those opportunities for the recreational customer by monitoring what and where those activities occur so we can provide a safer and more enjoyable experience.

II. Monitoring Effects of Motorized Boat Traffic Usage in the Tanana Flats

Steve Reidsma, CSU-US Army Alaska

The use of motorized watercraft in the large and unique fen wetlands of the Tanana Flats on Fort Wainwright has been increasing since the early 1980's, resulting in expanded trail networks. US Army Garrison Alaska (USAG-AK) is in the third year of a five year study designed to evaluate the impacts of Airboat usage on soils, hydrology, vegetation and Trumpeter Swans (*Cygnus buccinator*) in the Tanana Flats training area.

• **Contaminants in the North - Alaska Resources - Space 1**

Patricia Cochran, Alaska Native Science Commission; Angayuqaq Oscar Kawagley, University of Alaska Fairbanks, Alaska Native Knowledge; Carl Benson, University of Alaska Fairbanks, Arctic Institute of North America; Lori Verbrugge, PhD, Alaska Public Health Laboratory

This session highlights a variety of resources available to Alaskans interested in obtaining information on research in Native communities, Native Knowledge, "Arctic Roundtable" discussion forums, grant programs through UAF, and new in-state laboratory facilities.

Moderator: Gregory Kellogg, US Environmental Protection Agency

• **Alaska's Mega Project of the Future - The Alaska Natural Gas Pipeline - Space 4**

Presenters: Alan Schuyler, Environmental and Regulatory Coordinator, ConocoPhillips Alaska, Inc.; Bob Fisk, Division of Energy and Solid Mineral, Bureau of Land Management

Moderator: Tom Manson, ConocoPhillips Alaska, Inc.

Describes scope of constructing a natural gas pipeline project from Prudhoe Bay to the Lower 48. Reviews regulatory and environmental review processes required to authorize a project of this magnitude.

• **North Slope Landfill Erosion Case Studies and Implications - Space 13 & 14**

Moderator: Keith Howard Manager, Engineering and Planning Solid Waste Services Municipality of Anchorage

John Halverson from Alaska Department of Environmental Conservation (ADEC) will discuss the Statement of Cooperation between ADEC and federal agencies. Bret Berglund from Hoeffler Consulting and Dave Longtin from the 611 Civil Engineering Squadron will discuss the implications of coastal erosion on three landfills located on the Arctic coast.

• **ADEC Village Safe Water Overview and Initiatives - Space 9 & 10**

Moderator: Bill Culbertson General Manager O.E.S., Inc.

Greg Magee will present an overview of Alaska Department of Environmental Conservation's Village Safe Water Program. Jim Patterson will discuss Napakiak's flush tank and haul system. Lynn Marino will address Tanana water treatment/laundry facility and piped water and sewer system.

2 p.m. - 5 p.m.

• **Re-Certification for Tribal Water Quality Monitors, Native American Fish and Wildlife Society, Tribal Water Quality Training Program - Space 2**

Moderator: Karen E. Stickman, Native American Fish and Wildlife Society

The session will re-certify participants who have completed Phases I-III of the Tribal Water Quality Training Program. Review of sampling methods and hands-on demonstration of each method will be provided. A re-cert certificate will be provided.

Instructors: Dan Bogan, ENRI, Joel Cooper CIK, and Shawna Trumble, NAFWS

3:30 p.m. - 4:45 p.m.

• **Partnering for Solid Waste Reduction, Part 1 - Space 5 & 6**

Presenters: Brian Rogers and Brenda Holden, Information Insights

A session of the First Annual Recycling Summit. Panel and discussion of waste reduction and recycling alternatives and their important role in integrated solid waste management. Also, achieving waste reduction goals through increased communication and partnering of tribal and non-tribal service providers.

• **Sewage Lagoons in Rural Alaska: Technology for Today and Tomorrow? - Space 7 & 8**

Presenters: Art Ronimus P.E., Alaska Native Tribal Health Consortium, Craig R. Woolard PhD, P.E., University of Alaska Anchorage, Ed Alexander, Yukon Inter-Tribal Watershed Council (YITWC)

Moderator: Ed Alexander, Yukon Inter-Tribal Watershed Council (YITWC)

Learn how sewage lagoons work, concerns about lagoon system function, operations and design, new studies to assess sewage lagoon technology, and possible alternatives.

• **Understanding, Evaluation, and Application of Indigenous Knowledge to Oil & Gas Permitting: Applicant and Affected Party Perspectives - Space 9 & 10**

Presenters: Mark Major, Rex Okakok, Johnny Aiken

A discussion of consultation, compromise, and consensus in oil and gas permitting.

• **Fish and Wildlife Studies: Noise Effects on Wildlife and Recreationists from Overflights in Military Operating Areas - Space 3**

Moderator: Jim Hostman, US Air Force

I. Effects on Dall Sheep--Jim Lawler, National Park Service

II. Effects on Humans in Recreation Areas beneath Military Operating Areas—Jane Swanson, University of Washington

• **Military Ranges: Sustainability, Response and Clean Up - Space 11 & 12**

Discussion of several related programs addressing the Army's overall approach to the design, management and use of its training areas and firing ranges.

Presenters: Dr. Mark Prieksat, Gary Larsen

• **Contaminants in the North - Fish Studies, Advisories, & Risk/Benefit Analyses - Space 1**

Presenters: Henry Anderson, MD, Wisconsin Division of Public Health; Ann Yaktine, PhD, National Academy of Sciences; Malden Neshiem, PhD, Cornell University; Bob Gerlach, DVM, Alaska Department of Environmental Conservation; Lori Verbrugge, PhD, Alaska Public Health Laboratory

Moderator: Jeff Bigler, US Environmental Protection Agency

This session will provide Alaskans with the most current information on study results and plans for continued analysis in Alaska. Also, hear from the Chief Medical Officer of Wisconsin discuss decisions & guidance regarding consumption of fish in their state and about a newly commissioned study on the nutrient relationships in seafood and how you can provide input.

• **Galena Electric Power - Toshiba 4S Reactor Option - Space 13 & 14**

Robert Chaney will lead a discussion of the economics, engineering, and environmental aspects of the proposed nuclear reactor installation in Galena.

• **Remediation Techniques - Redoubt Room**

Moderator: Denise Saigh, Chair, Alaska Association of Environmental Professionals, O.E.S., Inc.

Ken Andraschko from the United States Army Corps of Engineers will present the rapid optical screening tool technique to characterize petroleum contaminated sites. Ken Garrett & David Laughlin from Enzyme Technologies, Inc. will discuss Ex Situ Thermal Soil Treatment for Remote Alaska Sites. Teresa Rzezcycki from University of Alaska Anchorage will present her research on Nanoremediation.

(This session continued on next page ➡)

3:30 p.m. - 4:45 p.m. continued

• **Air Quality Issues in Alaska - Space 4**

Moderator: Brian Hoefler, President, Hoefler Consulting Group

Gerry Guay from Alaska Department of Environmental Conservation will discuss air monitoring dust in rural Alaska. Ron King will present Alaska Department of Environmental Conservation's air non-point and mobile source programs. Phil Kaluza from Anchorage's Health and Human Services will present their findings of benzene levels in Alaskan homes.

• **Oil & Gas Update - Williwaw Room**

Moderator: Karen Wuestenfeld - British Petroleum Exploration (AK) Inc. Health Safety Environmental Planning and Performance Team Lead

Mark Ireland from ConocoPhillips will speak on the Alpine Satellite Development project. Jim Pfeiffer and Terrance Mootoo from British Petroleum Exploration (AK) Inc. will speak on low sulfur diesel fuels requirement.

4:45 p.m. - 5:30 p.m.

• **Social Event - Cook Room**

Sponsored by Alaska Association of Environmental Professionals and the Canadian Consulate with musical entertainment by the Alaskan group "Pamyua".

NOTES:

8 a.m. - 9 a.m.
Explorers Hall

KEYNOTE EVENT: Dr. L. David Mech



L. David Mech ("Dave") is a Senior Research Scientist with Biological Resources Division Northern Prairie Wildlife Research Center and an Adjunct Professor at the University of Minnesota in St. Paul. He began working as a

Wildlife Research Biologist for the US Fish and Wildlife Service in 1968. Dave has a B.S. degree from Cornell University and a Ph.D. from Purdue University. He has taught at Macalester College and did post doctoral work at the University of Minnesota.

Dave has studied wolves and deer in northeastern Minnesota since 1968, wolves and caribou in Denali National Park, Alaska from 1986 to 1995, and wolves and elk in Yellowstone since 1995. He also lived each summer from 1986 through 1996 with a pack of wolves tolerant to humans in Canada's High Arctic to study their behavior and continues to study wolves and their prey there each summer. He has chaired the IUCN Wolf Specialist Group of the World Conservation Union since 1978 and is the founder and vice chair of the International Wolf Center (www.wolf.org) in Ely, Minnesota. Dave has consulted on many international projects including work on wolves in Italy, Spain, Portugal, and Croatia; leopards and lions in Kenya and Tanzania; and tigers, elephants, lions and other species in India. He has won many awards including The Wildlife Society's Aldo Leopold Award for Distinguished Service to Wildlife Conservation.

Dave has published 300+ scientific and popular articles and 10 books. His latest a comprehensive reference work, was published in September 2003: *Wolves: Behavior, Ecology, and Conservation*. Edited by L. David Mech and Luigi Boitani (University of Chicago Press), and is now in its second printing. It won The Wildlife Society's "Outstanding Book" award in 2004.

9:15 a.m. - 10:15 a.m.

• **Flying Cans: Aluminum Can Recycling Across All of Alaska - Redoubt Room**

Moderator: Sean Skaling, Executive Director, Green Star

Presenter: Mary Fisher, Executive Director, ALPAR

A one-stop meeting to learn more about, and to sign up for ALPAR's popular Flying Cans Program. Presented by Alaskan's for Litter Prevention and Recycling (ALPAR).

• **Environmental Change and Community Perception, Observations of an Inupiaq Village - Space 9 & 10**

Presenters: Jerry McBeath, Professor of Political Science at the University of Alaska Fairbanks; Carl Shepro, Associate Professor of Political Science at the University of Alaska Anchorage; Marlene Woods, Project Intern, Nuiqsut Trapper School

Moderator: Joe Sarcone, US EPA

Information will be presented on environmental perceptions of Native subsistence hunters in one region of the Alaska North Slope. The 40 respondents all had been actively engaged, for at least 10 years, in hunting marine mammals including bowhead whales, walrus and seals; land mammals including caribou, moose, wolves and wolverines; birds including varieties of geese and ducks; and fishing. Many were also engaged in picking berries and gathering greens. Our questions focused on differences subsistence hunters noticed in sea ice, land conditions, rivers and lakes, snow, wind, temperature, air quality, and the physical conditions of the species they hunted or fished.

• **Injury Prevention, Alaska Trends and Innovative Interventions - Space 11 & 12**

Presenter: Ryan Hill, Alaska Tribal Health Consortium

Moderator: Jeff Smith, Alaska Tribal Health Consortium

The Alaska Trauma Registry collects data on injuries resulting in hospitalization or transfer to a higher level of care from every hospital in the state. The State analyzed non-fatal injuries to Alaska Native and White residents from 1994-1999. Statewide, the five most common causes of injuries to Alaska Natives were falls, suicide attempts, off-road vehicles, motor vehicles, and assaults. These accounted for two thirds of all injuries; falls accounted for 26.3% of all injuries. Injury prevention solutions and interventions will be discussed.

• **Indigenous Spirituality - Space 4**

Moderators: Larry Mercurieff, Deputy Director, Alaska Native Science Commission

This session focuses on the foundations for traditional ways of knowing based on connectedness with the earth, self and others. It is a way of living that is common to many indigenous peoples throughout the world.

(This session continued on next page ➡)

9:15 a.m. - 10:15 a.m. continued

• **Fish and Wildlife Management: Migratory Birds and Siting of Structures and Arctic Nearshore Impact Monitoring - Space 3**

Moderator: Kristin K'ait, Bureau of Indian Affairs

I. Effects of towers, lines, and structures on migratory birds--Ellen Lance, US Fish and Wildlife Service

Wind generators, communications towers, and other tall structures can have adverse effects on migratory birds. This session discusses issues of concern in siting structures and techniques for mitigating impacts to birds.

II. Continuation of Arctic Nearshore Impact Monitoring in Development Area Study--Richard Prentki, Minerals Management Service

The cANIMIDA (continuation of Arctic Nearshore Impact Monitoring in Development Area) study is a multi-year project with the goal being to assess the potential impacts of offshore oil and gas development and production activities in selected locations in the nearshore Beaufort Sea; specifically near Northstar (where production began in 2001) and near the Liberty prospect (where development and production may occur in the future).

• **Cultural Resources Programs - Space 13 & 14**

I. Cultural Resources Program at Remote Air Force Sites in Alaska: An Overview

The 611 Air Support Group, US Air Force manages some 40 sites throughout rural Alaska, including Eareckson Air Station, Galena and King Salmon Airports, 19 radar stations and a number of former communications sites that no longer have a mission. Historic Properties and cultural resources on these sites include World War II and Cold War historic buildings, archaeological sites, graves sites and sites of traditional importance. Active projects include inventory of traditional cultural properties, Cold War oral history, updating Cultural Resources Management Plans and mitigation of environmental remediation and demolition projects at the former Distant Early Warning radar (DEW) sites.

Presenter: Karlene Leeper

II. Cultural Resources Program at Active Army Installations in Alaska: An Overview

US Army Garrison, Alaska (USAG-AK) Cultural Resources Program: This is an overview of USAG-AK management of cultural resources on Forts Richardson and Wainwright. Historic properties include prehistoric archaeological sites, homesteads, early mining sites, early transportation trails, World War II properties and Cold War Era properties. Activities under the program includes performing historic context studies, performing oral histories, inventorying and surveying historic buildings and structures, inventorying and survey archaeological sites, and working with interested Alaska Native tribes on cultural resource issues important to them.

Presenter: Russ Sackett

• **International & Regional Actions to Combat Contaminants & Climate Change in the North (Part 1 of 2) - Space 1**

Presenters: Robert Corell, Ph.D., Chairman, Arctic Climate Impact Assessment, Chairman; Lars-Otto Reiersen, PhD, Executive Secretary, Arctic Council Arctic Monitoring & Assessment Programme; Sarah Brandel, Senior Arctic Official, US Department of State; Sheila Watt-Cloutier, Chair, Inuit Circumpolar Conference; Evelyn Hurwich, Esq, President, Circumpolar Conservation Union; Bob Dyer, US Environmental Protection Agency, Office International Affairs; Craig Fleener, Chief Administrative Officer, Council of Athabaskan Tribal Governments; Victoria Gofman, Executive Director, Aleut International Association; Clarence Saccheus, Chair, Bering Straits Environmental Committee,, Norton Sound Health Corporation

Moderators: Al Ewing, Denali Commission, and Henry Huntington, Ph.D., Huntington Consulting

• **MMS OCS Resource Evaluation Activities - Foraker Room**

The Resource Evaluation (RE) Office performs a wide variety of jobs. RE issues seismic exploration permits, receives copies of the data collected by these permits and uses the data to assess the potential for oil and gas. The oil and gas assessments are used to generate the exploration and development activities used to evaluate impacts in our Lease Sale EISs. The seismic data along with other geologic, engineering and economic information is then used to evaluate bids received by companies in our lease sales to determine if MMS will accept or reject the bids. Environmental issues are an integral part of these processes.

Presenter: Rance Wall, Regional Supervisor, RE, MMS Alaska OCS Region.

• **Active Managerial Control, Food Safety Regulations - Space 5 & 6**

This session will focus on DEC's proposed regulatory changes to the food safety and sanitation program. Topics include standard operating procedures, food worker cards, certified food protection managers, and self-assessments.

Presenter: Kimberly Stryker, Department of Environmental Conservation, Environmental Health Division

• **Invasive Species Overview and National Perspective - Space 2**

Moderator: Marilyn Leland, Prince William Sound Regional Citizens Advisory Council

I. What are invasive species and why are we concerned? Bob Piorkowski, Alaska Department of Fish and Game

II. National and regional activities and solutions. Joan Cabreza, Environmental Protection Agency

This presentation provides an overview of the organization and roles, major players, responsibilities and activities occurring at the national level, it then discusses specific activities currently underway in the Pacific Northwest States.

10:30 a.m. - 11:45 a.m.

• ***Can We Compost? - Small and Large Composting Efforts in Alaska - Space 4***

Presenters: Mollie Boyer, Valley Recycling, Pam Horton, Native Village of Kasaan, Simone Sebaló, Zender Environmental

Moderator: Simone Sebaló, Zender Environmental

This session will include a brief overview of composting. The goal of the first half of the session will be to give people what they need to go home and start a small composting project. A successful composting project will be presented by the Native Village of Kasaan. They use worms to break down garbage ("vermi-composting"). A hand-out with pictures and how to order supplies will be passed out. The second half of the session will highlight a more advanced composting project in Alaska, and discuss some composting possibilities for Villages to plan towards in the future. Ellen Vande Visse, an expert composter from the good earth garden school, will share her composting knowledge and answer any questions on composting in Alaska.

• ***Economic Development Considerations, Community Planning and the Brownfields Initiative - Space 7 & 8***

Presenters: John Carnahan, ADEC Brownfields Coordinator and Mara Bacsujlaky, Tanana Chiefs Conference, Community Planning Coordinator

Moderator: Marti Early, ADEC Contaminated Sites Program

This presentation will focus on two programs that can help rural communities obtain community and environmental data important for future planning and economic development efforts. These are the US EPA's Brownfields Initiative and the State of Alaska's Community Profile Mapping Project. Come learn about some of Alaska's Brownfields projects and resources available, as well as, the statewide effort to provide high-quality detailed community maps at a reduced cost to rural communities, also, check out available funding sources and view sample maps.

• ***Alaska's Resource Conservation & Development (RC&D) Councils: Regional Solutions for Environmental and Resource Management - Space 5 & 6***

Presenters: Arlene Rosenkrans, Copper Valley RC&D; Carrie Supik, Yukon Flats RC&D

Moderator: Sandra Borbridge, USAF

Resource Conservation & Development Councils (RC&D) help develop regional solutions for environmental and resource management issues. In this session find out how an RC&D is formed and how one functions. Participants will learn how an RC&D in their area can be utilized to address community development needs. Case studies and success stories from around the State will be highlighted.

• ***Negative Birth Outcomes Associated with Open Dump Sites in Alaska Native Villages - Space 2***

Presenters: Susan Gilbreath, PhD, Zender Environmental

Moderator: Lynn Zender, PhD, Zender Environmental

This session includes a presentation and discussion of the first statistically significant studies relating human health effects to exposure to open dump sites in rural Alaska. The results of the two studies will be presented: the first study evaluated adverse pregnancy outcomes associated with open dumpsites in Alaska Native villages, and the second study evaluated the fetal and neonatal deaths and congenital anomalies associated with open dumpsites in Alaska Native villages. The research design and methods for both of the retrospective cohort studies will be discussed as well as problems encountered and recommendations for future studies.

• ***What I've Always Wanted to Know about Traditional Ways of Knowing - Space 11 & 12***

Moderator: Dr. Oscar Kawagley, Professor, University of Alaska Fairbanks

This session is geared to anyone who wishes to learn what constitutes Traditional Ways of Knowing in Alaska... the facts, the fiction, the challenges.

• ***Fish and Wildlife Management: Possible Threatened/Endangered Species and Copper River Collaborative - Space 3***

Moderator: Lisa Ka'aihue, Prince William Sound Regional Citizens Advisory Council

I. Species being considered for listing as threatened or endangered--Charla Sterne and Greg Risdahl, US Fish and Wildlife Service

Officially listing species as threatened or endangered leads to legal and management conditions designed to help the species to recover. One species that appears to be in trouble and may be listed is the sea otter in Southwest Alaska. Other possible listed species will also be discussed.

II. The Copper River Collaborative: Protecting Wild Salmon Habitat--R.J. Kopchak, Ecotrust

The 26,500 square mile Copper River drainage is under the ownership or jurisdiction of a multitude of federal, state and private owners. The ecology of the river system and the cultural integrity and survival of communities within this vast area depend on healthy runs of wild salmon. This effort develops a "common-ground" stewardship program for the Copper River watershed that assures adequate protection of wild salmon habitat.

(This session continued on next page ⇨)

10:30 a.m. - 11:45 a.m. continued

• Innovative Technologies - Space 13 & 14

I. Air Sparge Probe Rehabilitation Using Shock Treatment Technology
The US Army, Alaska authorized a pilot study to determine the effectiveness of using a shock treatment method to rehabilitate air sparging probes on a remediation system. Results of the pilot study showed favorable results in the parameters for bioremediation at a significant cost savings in comparison to replacing the probes.

Bryan Johnson, Civil Engineer, Fairbanks Environmental Services; Karol Johnson, Geologist, Fairbanks Environmental Services; Jeff Wakefield, Vice President, Wakefield, Inc.

II. Permafrost Mapping With Geophysical Tools

The presence of permafrost affects ground stability and groundwater flow pathways. During construction of roads and buildings it is desirable to either avoid permafrost or use engineering controls to prevent it from melting. Geophysical techniques such as resistivity and ground-penetrating radar can be used to locate permafrost below the ground surface. Boreholes provide detailed soil information, but they are expensive to drill and only provide data at a single location. Geophysical investigations provide information over a large area in a relatively short amount of time and generally cost less than drilling alone.

Beth Astley, Research Physical Scientist, Cold Regions Research and Engineering Laboratory, Anchorage office

• International & Regional Actions to Combat Contaminants & Climate Change in the North (Part 2 of 2) - Space 1

Presenters: Bob Corell, PhD, Chairman, Arctic Climate Impact Assessment, Chairman; Lars-Otto Reiersen, PhD, Executive Secretary, Arctic Council Arctic Monitoring & Assessment Programme; Sarah Brandel, Senior Arctic Official, US Department of State; Sheila Watt-Cloutier, Chair, Inuit Circumpolar Conference; Evelyn Hurwich, Esq, President Circumpolar Conservation Union; Bob Dyer, US Environmental Protection Agency, Office International Affairs; Craig Fleener, Chief Administrative Officer, Council of Athabaskan Tribal Governments; Victoria Gofman, Executive Director, Aleut International Association; Clarence Sacchus - Chairman, Bering Straits Environmental Committee, Norton Sound Health Corporation

Moderators: Al Ewing, Denali Commission, and Henry Huntington, Ph. D., Huntington Consulting

• Safe OCS Operations from MMS Regulations and Technology - Foraker Room

Field Operations activities and post-lease development process; presenter Daniel Hartung, Environmental Regulations; Oil Spill Contingency Planning Requirements; presenter Christy Bohl, Oil Spill Program Administrator; Safe Oil and Gas Operations; presenter Kyle Monkeliem, Petroleum Engineer.

• What Can We Do About Invasive Rats and Ballast Tank Biota?-Redoubt Room

Moderator: Denny Lassuy, US Fish and Wildlife Service

I. How to deal with invasive rats. Art Sows, US Fish and Wildlife Service
II. How to deal with ballast tank water biota. Tom Colby, Alaska Tanker Company

12 p.m. - 1:45 p.m.
Explorers Hall

**KEYNOTE EVENT:
Brad Montgomery**

Introductory Comments by Thomas R. Case, Dean
University of Alaska Anchorage, College of Business & Public Policy



After two years, he is coming back to the Alaska Forum on the Environment by popular request! Brad Montgomery, humorist and motivational speaker. After getting his start as a corporate entertainer (performing comedy

and magic), Brad now speaks to corporations and associations who need a lift, bringing laughter and magic blended with a simple yet powerful message about creating more humor in our lives. Brad has earned his Certified Speaking Professional designation, which is the highest earned award from the National Speakers Association. (Fewer than 7% of humorists and presenters world wide have earned the CSP.) Corporate clients include Kraft, Proctor & Gamble, IBM, General Mills, Allstate Insurance, Merrill Lynch and Honeywell. Many associations have also praised Brad's work including the Alzheimers Association, the Utilities Service Alliance (a nuclear energy association), the American Payroll Association, and the California Teachers Association....oh yeah, and the Alaska Forum on the Environment 2003!

Brad is a Humorist Motivational Speaker, urging his audiences across the country to lighten up and to remember that our lives are filled with humor and magic. He helps associations and corporations manage change and improve morale. Brad reminds groups that, "Life is Fun & Funny. And Filled with Magic." By the looks of things, his clients agree. Folks use him to kick off conventions with a bang, close 'em with a laugh or to lift them up somewhere in between. His audiences completely enjoy his entertaining, inspirational and motivational speeches and leave his kenotes with a spring in their steps. After Brad's humorous keynotes, audiences feel great and reenergized.

Why a humorist?

One of the more common feedback comments from Alaska Forum on the Environment participants is that the week is "too busy and intense." Recognizing that a little humor will help us through the rest of the week, we are bringing back Brad to lighten things up.

Presentation of the Alaska Forum on the Environment Outstanding Achievement Award and the Environmental Excellence Award

2 p.m. - 3:15 p.m.

• ***Hands-On Pollution Prevention Activities - Redoubt Room***

Moderator: Ellen Kazary, RurAL CAP

RurAL CAP and RAVEN Americorps members demonstrate pollution prevention (P2) activities and materials at interactive display booths and provide materials for take-home implementation.

• ***Our Changing Climate: Watershed Planning and River Analysis - Community Tools for Climate Change - Space 2***

Presenter: Rob Sampson, USDA, Natural Resources Conservation Services (NRCS), State Engineer

Moderator: Samia Savell, NRCS

In the face of changing climate patterns, watershed planning and river analysis are useful environmental planning tools for community decision makers. This session will discuss realistic management alternatives and case studies from Unalakleet, Klukwan, the Taiya River, and the Matanuska River.

• ***Norovirus Outbreak on the Iditarod Trail, Transmission and Prevention - Foraker Room***

Presenter: Joe McLaughlin, Epidemiologist State of Alaska H&SS

Moderator: Chris Tofteberg, Municipality of Anchorage

As Iditarod mushers were headed for Nome last year, public health officials worried that a highly contagious virus was headed there with them. Health officials had been investigating an outbreak of norovirus since early March, days before the Iditarod began. Fifteen race officials, many of them pilots, had attended a meeting in McGrath at the end of February, and at least nine developed vomiting, abdominal cramps and diarrhea soon after. By the end of the first full week of the race, a McGrath physician assistant informed the state Section of Epidemiology that several more Iditarod race officials had developed similar symptoms.

• ***Fish and Wildlife Management: Bowhead Whales Monitoring and EMAP Mapping of Nearshore Habitats - Space 3***

Moderator: Val Thomas, Bureau of Indian Affairs

I. Bowhead Whale Aerial Survey Project, Charles Monnett, Minerals Management Service

MMS has conducted aerial surveys of the fall migration of bowhead whales each year since 1987. The study provides the only long-term database for evaluating potential cumulative effects of oil- and gas-exploration activities on the entire bowhead-migration corridor across the Alaskan Beaufort Sea.

II. Estuary and Bay Habitat Environmental Monitoring and Assessment Program (EMAP), Doug Dasher, Alaska Department of Environmental Conservation

EMAP is an Environmental Protection Agency program developed to assess the condition of the nation's various aquatic resources, such as marine waters, lakes, streams, and rivers. This work was part of the Western States Coastal EMAP which is creating an integrated and comprehensive coastal monitoring program along all of the states with Pacific Ocean coastlines.

• ***What is a Picture Worth? Practical Use of Historical Photos in the Clean-Up Program - Space 4***

Presenters: Therese Deardorff, US Army Garrison, Alaska; Beth Astley, Cold Regions Research and Engineering Laboratory; Sarah Epps, Cold Regions Research and Engineering Laboratory

Knowledge of past practices and historical site use have proven invaluable to the Army's Clean Up Program. This presentation will describe the steps taken to track a site's history and past use in the formulation of clean up plans.

• ***Contaminants in the North - Results from Terrestrial, Marine Mammal, and Fish Studies in Alaska - Space 1***

Presenters: Todd O'Hara, DVM, PhD, University of Alaska Fairbanks; John Reynolds, PhD & Dana Wetzel, PhD, Mote Marine Laboratory; Dixon Landers, PhD, US Environmental Protection Agency

This session will include presentations on research of vertebrate biotransport of contaminants and transboundary linkages with subsistence users, preliminary results of contaminant studies in bowhead whales and bearded seals in Barrow, information on Omega-3 Fatty Acids, and early results from the Western Airborne Contaminants Assessment Project (WACAP), a study designed to determine risks to ecosystems in western US Nat'l Parks from long-range transport of contaminants.

Moderator: Jacqueline Poston, US Environmental Protection Agency

• ***Developing Heavy Oil Fields on the North Slope/Seismic Evolution on the North Slope of Alaska - Space 5 & 6***

Presenters: Jerome Paul, Kuparuk Developments Project Coordinator, ConocoPhillips Alaska, Inc., Michel Faust, Exploration Manager and Chief Geophysicist, ConocoPhillips Alaska, Inc.

Moderator: Mark Major, ConocoPhillips Alaska, Inc.

I. Unlocking The Value in West Sak Heavy Oil: Producing heavy oil from North Slope fields presents unique challenges requiring new technologies such as horizontal multi-lateral drilling and use of Enhance Oil Recovery (EOR) techniques. ConocoPhillip's West Sak Development is examed as well as future challenges.

II. The Evolution of Seismic Equipment and Acquisition on the North Slope: The changes in seismic equipment and acquisition design used on the North Slope through the years that more effectively protect the environment.

(This session continued on next page ⇨)

2 p.m. - 3:15 p.m. continued

• **What Can We Do About Invasive Plants and Insects? - Space 13 & 14**

Moderator: Michael Shephard, US Forest Service

I. How to deal with invasive plants. Jamie Snyder, Cooperative Extension Service

II. How to deal with invasive insects. Ed Holsten, US Forest Service

Despite Alaska's climate and remoteness, problematic invasive plant and insect species have begun to arrive and become established. How were they introduced? How can you recognize them? Invasive plant and insect populations threaten native plants, wildlife habitat, and water quality, and can alter wildfire regimes. Learn what is being done, and what you can do, to protect Alaska from the costly large-scale infestations that plague the rest of North America.

2 p.m. - 4 p.m.

• **Aleutian/Pribilof Region Restoration Oversight Committee for Federal Sites— Meeting of Tribal Representatives with Federal & State Agencies - Space 11 & 12**

Presenters: Chris Riggio (A/PIA) and Mahri Lowinger (A/PIA).

A meeting of the Aleutian/Pribilof Regional Restoration Oversight Committee (ROC) with federal & state partner agency representatives. The ROC consists of tribal representatives from each of the 13 Aleut Tribes. The meeting will continue open dialogue between tribes and agency representatives, provide an update on current projects in the region, and continue efforts to work together cooperatively. This meeting is open to other interested conference participants.

2 p.m. - 4:45 p.m.

• **Symposium on Science & Indigenous Knowledge - Space 7 & 8**

Moderator: Richard Nenahlo

Presenters: Mike Burwell, Larry Mercurieff, Michael Gough

A symposium to address the interface between science and indigenous knowledge. Native representatives and scientists will discuss the merits, means, value, purposes, problems, disconnects, etc., between indigenous knowledge and science in solving environmental issues in Alaska. The panelists will define science and indigenous knowledge and will discuss the ways they support each other, are integrated in decision making and contribute to an improved environment.

2 p.m. - 5 p.m.

• **Environmental and Natural/Subsistence Resource Program and Project Sustainability - Space 9 & 10**

Moderators: Phillip Zavadil and Aquilina Lestenkof, Co-Directors, Aleut Community of St. Paul Island, Tribal Government, Ecosystem Conservation Office

Discussion and role play of developing, implementing and sustaining Tribal environmental and natural/subsistence resource programs and projects. To include: program ownership, developing and implementing mission and goals, project and human resource management. Participants should be prepared with real examples of their program or project issues that can be used in role play scenarios. Various project management resources will be handed out at this session.

3:30 p.m. - 4:45 p.m.

• **Recycling Summit, Part II: Partnering for Solid Waste Reduction - Space 5 & 6**

Presenters: Brian Rogers and Brenda Holden, Information Insights

A session of the First Annual Recycling Summit. Eric Lombardi introduces the zero waste concept and applications for Alaska. Information Insights will facilitate a discussion of resource recovery/recycling challenges in Alaska especially transportation logistics and access to markets and opportunities for zero waste principles. Also, meeting the transportation logistics and marketing challenges through partnering of tribal and non-tribal service providers and the private sector.

• **Sustainable by Design: Lessons in Sustainable Rural Water and Sewer Infrastructure Design for Village Residents and Engineers - Space 2**

Presenter: Dan Boccia, Alaska Native Tribal Health Consortium

Moderator: Joe Sarcone, USEPA

What can we do to make rural sanitation infrastructure more sustainable in Alaska? This presentation examines lessons learned over decades of rural water and sewer design, construction, and maintenance and discusses engineering design to reduce operations costs and to promote sustainable systems.

• **In Situ Groundwater Treatment in a Filled Bedrock Ravine - Space 4**

Presenters: Jeremy Blei, CH2M Hill; Tim Gould, CH2M Hill

As a measure to mitigate the potential for off-site migration of petroleum-affected groundwater, the Army and CH2M Hill installed an in-situ groundwater system in a site with complex hydrogeology and physical constraints. The approach included installation of a permeable sparging trench using biopolymer slurry trenching techniques. The trench was then backfilled with a highly transmissive material. Discussion will address the complexities of the site, modifications that address them and the results measured to date.

3:30 p.m. - 4:45 p.m. continued

• ***Contaminants in the North - Alaska Seafood & Seabird Studies - Space 1***

Moderator: Jean Gamache, US Environmental Protection Agency

Presenters: Bruno Ridolfi, PE, Ridolfi Inc.; Jeff Benson, Metlakatla Indian Community; Paul Becker, PhD, National Institute of Standards and Technology; Lil Alessa, Ph. D., University of Alaska

This session will include preliminary results from the Annette Islands Seafood Study which was conducted to determine whether the subsistence seafood of the Metlakatla Indian Community (MIC) contains chemical contaminants that threaten human health. Also learn about STAMP, a collaboration of the USFWS Alaska Maritime National Wildlife Refuge, USGS Biological Resources Division, Bureau of Indian Affairs Subsistence Division, and the National Institute of Standards and Technology, which continues to work in partnership with Alaska Native communities and organizations to monitor contaminants in seabirds, to document temporal changes in known contaminants and to identify chemical compounds of emerging concern.

• ***North Slope Drilling and Wells Overview - Space 13 & 14***

Presenter: Michael Bill, Exploration and Production Staff Engineer for ASRC Energy Services.

Moderator: Tom Manson, ConocoPhillips Alaska, Inc.

How an Oil Well is Drilled on the North Slope: Rotary Rigs, Coiled Tubing, Side Tracks, And More

Introduction to the unique challenges related to drilling for oil in the arctic. This presentation discusses how wells are drilled, operated and maintained in a safe manner. There will be time for questions and answers.

• ***What Can We Do About Invasive Fish? - Redoubt Room***

Moderator: Doug Mutter, US Department of the Interior

Presenter: David Rutz, Alaska Department of Fish and Game

Northern Pike (*Esox lucius*) are non-indigenous to the Susitna drainage and were thought to have been established through a series of illegal introductions in the early 1950's. The Susitna drainage is a large river basin encompassing tens of thousands of square miles and is roughly the area of the state of Indiana. This system is comprised of hundreds of shallow lakes, clear water tributaries, and sloughs. To date northern pike have expanded throughout most of this drainage system. Though indigenous populations of northern pike coexist with native salmonid populations in other Alaskan watersheds this may not be the case in the Susitna Drainage. This project was initiated in 1994 to study select Susitna Drainage northern pike populations and to document the effects of northern pike expansion on existing native salmonid populations. The preliminary results of this study along with differing management scenarios are presented.

• ***Harbor Seals: Declines in a Subsistence Resource - Space 3***

Moderator: Brendan Kelly, University of Alaska Southeast

This session is presented by the Alaska Native Harbor Seal Commission and will include presentations and a discussion about the status of harbor seals in Alaska and relevant research programs being carried out by the Commission, Alaska Department of Fish and Game, National Marine Fisheries Service's National Marine Mammal Laboratory, Alaska SeaLife Center, and University of Alaska. This session may extend to 5:30 p.m.

5 p.m. - 6 p.m.

• ***Climate Change - Scientific Facts for Alaska Youth - Space 1***

Dr. Robert Corell, Chair of Arctic Climate Impact Assessment, will speak to Alaska Youth for Environmental Action

Moderator: Polly Carr, Alaska Youth for Environmental Action

NOTES:

Alaska Forum on the Environment Agenda - Thursday, February 10, 2005

8 a.m. - 12 p.m.

- **Indian General Assistance Program (IGAP) Plenary Opening Session - Cook Room**

Moderator: Santina Gay, US EPA

The IGAP Opening Plenary Session will feature the Haida Dancers. Panel participants include Senior EPA Program Managers to discuss National perspectives, Region 10 policy developments, and Alaska EPA Operations Office update.

Keynote Speaker: Bob Corell, American Meteorological Society;

Panel Speakers: Ella Mulford, Senior staff for Carol Jorgensen, Director, American Indian Environmental Office (AIEO); Ron Kreizenbeck, US EPA Regional Administrator; Sandra Johnson, US EPA Senior Tribal Policy Liaison; Marcia Combes, Director, US EPA Alaska Operations Office

- **Workshop on Arctic Lakes Watershed Hydrology and Water Use - Space 7 & 8**

Moderator: James Hemsath, US Department of Energy

This workshop is intended for industry, contractors, and resource agency managers. The goal is to improve industry and stakeholder understanding of Arctic lake hydrology and water use issues to improve current and future water use and management.

- **TASWER/Ridolfi Workshop on Mold, Lead Paint, and Asbestos - Space 2, 11 & 12**

The Tribal Association for Solid Waste and Emergency Response (TASWER) is hosting an educational workshop in collaboration with Ridolfi Inc. to talk about the chemicals of concerns in Alaska. The workshop will focus on mold, lead-in paint, and asbestos.

8:30 a.m. - 11:30 a.m.

- **National Environmental Policy Act (NEPA) Training For Non-Professionals - Space 3**

What is an EIS? An EA? Scoping? How can I effectively participate in NEPA? Find out the answers to these questions and more at this half-day training session.

Instructors: Joan Darnell, National Park Service; Val Thomas, Bureau of Indian Affairs; Jim Lima, Minerals Management Service; Curt Wilson, Bureau of Land Management

8:30 a.m. - 5 p.m.

- **Alaska Contaminants Alliance - Space 1**

Moderator: Brian Rogers and Brenda Holden, Information Insights

This full-day workshop is to further develop a strategic alliance designed to focus on contaminants in the Arctic. This strategic alliance of people, tribes, state and federal agencies, would work together to create a collaborative plan for identifying priorities for research, communication, and action to reduce and/or eliminate pollutants from entering the environment and food web.

9 a.m. - 4 p.m.

- **Recycling-Resource Recovery Field Trip - Meet in upper lobby at registration desk**

A Recycling Summit Event. Join hosts Mollie Boyer, Valley Recycling, Roland Shanks, Rural Community Assistance Corporation (RCAC), and Steve Sumida, Alaska Intertribal Council (AITC) for an interesting and educational tour of Anchorage Area recyclers and resource recovery businesses (for profit and non-profit). A good chance for a first hand look at large and small scale recycling efforts. Participants meet at the Registration Desk at 8:55 a.m.

1:15 p.m. - 3 p.m.

- **Briefing Your Tribal Council on Environmental Programs and Encouraging Community Involvement - Space 4**

Moderators/Presenters: Cathy Villa and Santina Gay, US EPA

"How to" session on keeping Tribal Council informed of IGAP program developments (awards, decision points, policy issues, grants management problems, etc). Discussion of strategies for effective community involvement in IGAP activities.

- **IGAP Laws, Regulations and Guidance: What You Need to Know - Space 9 & 10**

Moderator/Presenter: Jennifer Curtis

Overview of Indian Environmental General Assistance Program (IGAP) Act of 1992, and IGAP regulations, including 40 CFR Parts 31 and 35. Highlights of IGAP program requirements that every tribal staff person involved with IGAP needs to know.

(This session continued on next page ⇨)

Alaska Forum on the Environment Agenda - Thursday, February 10, 2005

1:15 p.m. - 3 p.m. continued

- **Grant Writing: Lessons from the Learning Curve - Space 7 & 8**

Moderator: Michelle Davis, US EPA

An opportunity to spend time with skilled grant writers, learn from their successes, and discuss how to avoid painful failures. This session will have presentations on technical grants, as well as nonfederal grants.

Presenters: Mary McRae Miller, CEO, The Alaska Funding Exchange; Doug Dobyms, Director, Customary and Traditional Resources Dept. Sitka Tribe of Alaska; Mike Brubaker, Community Services Director, Aleutian Pribilof Islands Association

1:30 p.m. - 5 p.m.

- **TASWER Workshop on Construction and Demolition Debris Management - Space 2, 11 & 12**

The Tribal Association for Solid Waste and Emergency Response (TASWER) is hosting an educational workshop on construction and demolition debris management. The workshop will provide an overview of C&D debris management and information on: C&D waste reduction; C&D debris recycling; C&D landfills; waste screening

2 p.m. - 4:30 p.m.

- **How To Obtain and Use The Environmental Sensitivity Index (ESI) Maps Covering Alaska's Coastline - Space 3**

Environmental Sensitivity Index (ESI) maps cover coastal and nearshore waters and show shoreline types, biological resources, and human use areas. These maps and accompanying tables indicate the sensitivity of resources to oil spills. ESI maps in paper copy and digital format are almost complete for the entire coastline of Alaska. These map products are produced by the National Oceanic and Atmospheric Administration in partnership with many organizations from around the state. These products are now available for use in oil spill response, coastal zone decision-making, local and regional planning, and for other applications. Find out about the products and their uses in this half-day training session.

Presenters: John Whitney, National Oceanic and Atmospheric Administration; Chris Lord, Research Planning, Inc.

3:15 p.m. - 5 p.m.

- **Language and Culture in Environmental Program Building - Space 7 & 8**

Presenters: Cheryl Holter, (Haida) Hydaburg Cooperative Association; Jimmy George (Yup'ik) Nightmute Traditional Council

Moderators: Tami Fordham and Santina Gay, US EPA

Learn how Tribes have built environmental programs with native language and culture as the foundation.

- **Regional Tribal Operations Committee: New Policy Developments - Space 9 & 10**

Presenters: Gwen Carter, RTOC Chair (Nez Perc), Lydia Olympic (Igiugig), Daniel Ellanak (Ouzinkie), Violet Yeaton (Port Graham), TygJules Skywatcher (Louden)

Moderator: Jean Gamache

Discussion of Alaska Statewide Tribal Circuit Rider Project approach and tribal services. National and Regional updates. Identification of issues by tribes for RTOC to raise with US EPA during Tribal Leaders Summit.

- **Integrating Sustainable Practices for Tribal Programs - Space 14**

Moderator: Jennifer Curtis, US EPA

Basic principles of project planning and development. Presenters will assist participants in developing their own "grants calendar."

Presenters: Carrie Supik, CATG, and Mary McRae Miller, Alaska Funding Exchange

- **State Standards for Environmental Protection - Space 4**

Moderator: Michelle Davis, US EPA

Presentations by State of Alaska staff on landfill permitting changes, as well as updates from other ADEC technical programs.

Presenters: Kim Stricklan, Cindy Christian, Bob Gerlach; ADEC

8 a.m. - 5 p.m.

• **8-Hour HAZWOPER Refresher Class - LaPerouse Room**

You must be a paid AFE registrant to take this annual 8-hour HAZWOPER refresher class. This training applies only to those who engage in hazardous waste/substance operations, hazardous materials emergency response, and who have previously completed either 40-hour or 24-hour hazardous waste site training. You should bring a copy of your 24- or 40-hour certificates when you register for the refresher class. This course satisfies the OSHA 8-hour annual refresher training requirements for employees conducting hazardous waste operations as specified under 29 CFR 1910.120. Topics covered, as recommended under 29 CFR 1910.120(e)(8) will include: safety plan development and site entry procedures, chemical hazards, biohazards, nature of radiation/radiation protection methods, selecting appropriate PPE, Air monitoring, decontamination and hazard communications. Seating is limited. Please ensure that you add your name to the signup list for this session event by: 1) selecting the HAZ-WOPER checkbox on the online or paper registration form, or 2) contacting (907) 646-9000.

8:30 a.m. - 10 a.m.

• **Indian General Assistance Program (IGAP) Regulations and Guidance: National Perspective on Environmental Results - Space 2**

Moderator: Glen Langlois, US EPA

Discussion of Environmental Results Order and the importance of applying outputs and outcomes to GAP workplans.

• **Resource Development in Rural Alaska: Tribal and Agency Roles in the NEPA Process - Space 3**

Moderator: Jean Gamache, Tami Fordham, and Michelle Davis, US EPA

What triggers agency involvement in a resource development project? What can Tribal governments do to prepare for effective involvement in the NEPA Process? Where is tribal input most important? How do Tribes insert themselves into the NEPA Process? These and other questions, and more, will be answered during the session.

Presenters: Mark Jen and Jean Gamache, US EPA; Ed Fogels, State of Alaska, Dept. of Natural Resources. Presentations will also be given by representatives from other State and Federal Agencies, including, the US Fish and Wildlife Service, US Army Corp. of Engineers, US Department of Interior, Bureau of Land Management, Alaska Department of Fish and Game, Alaska Department of Environmental Conservation.

• **Recycling Projects Across Alaska - Space 7 & 8**

Moderator: Nathan Spees, US EPA

Tribes and Youth groups will share their activities such as recycling games demonstrations (race to recycle), "Treasure Chest" to show and talk about, making logs out of newspaper and cardboard, handmade paper from recycled paper, and more!

Presenters: Edna Jackson, Environmental Planner, Organized Village of Kake; Chantelle Pence-Hobbs, Environmental Coordinator, Mt. Sanford Tribal Consortium

• **Indoor Air Quality: Issues and Solutions - Space 9 & 10**

Moderator: Fred Matsuno, US EPA

Learn about the primary causes and effects of good and poor indoor air quality, and some methods of dealing with harmful indoor air.

Presenters: Rich Seifert, UAF Cooperative Extension Service, Fairbanks; and Ginny Moore, Alaska Business Science Network

9 a.m. - 4 p.m.

• **Recycling Summit, Part III: Partnering for Solid Waste Reduction - Space 4**

Facilitators: Brian Rogers and Brenda Holden, Information Insights

Moderators: Eric Lombardi, Zero Waste Movement; Mollie Boyer, Valley Recycling; Roland Shanks, Rural Community Assistance Corporation

This is a full day facilitated session that will build on Tuesday and Wednesday Recycling Summit sessions, as well as other relevant AFE presentations. The focus will be on working partnerships among solid waste programs, funding sources, and service providers to facilitate the removal or reduction of waste for tribal and community landfills in Alaska.

9 a.m. - 10 a.m.: Recap of Recycling Summit sessions from during the week, including identifying obstacles to accomplishing local resource recovery/recycling goals.

10:15 a.m. - 11:45 a.m.: Looking for Solutions – Beginning Relationships. Create a vision for the future of Resource Recovery/Recycling across Alaska.

11:45 a.m. - 1:30 p.m.: Lunch

1:45 p.m. - 3:00 p.m.: Building Partnerships for Resource Recovery/Recycling

3:15 p.m. - 4:15 p.m.: Structure Implementation of the Vision. What will our cooperative effort look like, statewide association, next summit, other actions.

Alaska Forum on the Environment Agenda - Friday, February 11, 2005

10:15 a.m. - 12 p.m.

- ***Incorporating International Work into Your Tribal Environmental Program - Space 9 & 10***

Presenters: Victoria Gofman, Aleut International Association; Andrea Carmen, Executive Director, International Indian Treaty Council

Moderator: Santina Gay, US EPA

A continued discussion (from Fall IGAP) and networking session for Tribal representatives to become familiar with international environmental issues and efforts for participation.

- ***Resource Development in Rural Alaska: Tribal & Agency Roles in the NEPA Process - Space 3***

Moderator: Jean Gamache, Tami Fordham, and Michelle Davis, US EPA

(This session is continued from the 8:30 a.m. morning session). What triggers Agency involvement in a resource development project? What can Tribes do to prepare for effective involvement in the NEPA process? Where is Tribal input most important? How do Tribes insert themselves into the process?

Presenters: Mark Jen and Jean Gamache, US EPA; Ed Fogels, State of Alaska, Dept. of Natural Resources. Presentations will also be given by representatives from other State and Federal Agencies, including, the US Fish and Wildlife Service, US Army Corp. of Engineers, US Department of Interior, Bureau of Land Management, Alaska Department of Fish and Game, Alaska Department of Environmental Conservation; Victor Ross, US Army Corp. of Engineers.

- ***Grants Administration: Basic Concepts - Space 7 & 8***

Moderator: Glen Langlois, US EPA

Understanding basic concepts for managing your IGAP grant for compliance with Federal regulations and guidance.

- ***Tribal Leaders Summit Planning Session - Space 14***

Moderators: John Morris, Jr., and Doug Dobyns, Sitka Tribe of Alaska

A discussion on the April 2005 conference. Sitka Tribe would like Tribal input on what sessions should be offered, and what policy issues Tribes would like to discuss with Senior EPA Managers.

1:15 p.m. - 3 p.m.

- ***Effective Ways of Communicating with Your Elected Officials - Space 9 & 10***

Moderators: Cathy Villa and Michelle Davis, US EPA

"How to" session on strategies for communicating effectively with your elected officials.

- ***When Grants Management Isn't Easy: How to Manage Difficult Issues - Space 7 & 8***

Presenters: Michelle Bayless, Coordinator, and Charlene Nollner, Tribal Administrator-Gakona Village Council

Moderators: Nathan Spees and Glen Langlois, US EPA

Discussion of benefits of good hiring methods, good policy adherence, and other preventive measures; "inheriting" a poorly managed grant; Strengths Weaknesses Opportunities Threats (SWOT) Analysis; Working with the policy level, and creating something out of nothing.

- ***Using Video Media Production to Enhance Tribal Environmental Programs - Space 1***

Presenters: Mike Brubaker and Moses Tcheripanoff, Aleutian Pribilof Islands Association (APIA); Violet Yeaton, Native Village of Port Graham ; Scott Favorite, KTVA; Andrea Carmen (Yaqi Nation), International Indian Treaty Council

Moderator: Santina Gay, US EPA

Video media production has been successfully used to enhance Tribal environmental programs to achieve specific goals. Examples of successful projects and how to get started will be presented.

3:15 p.m. - 4 p.m.

- ***Indian General Assistance Program (IGAP) Closing Plenary Session - Cook Room***

Presenter: Sandra Johnson, US EPA Senior Tribal Policy Liaison- Alaska IGAP Financial Management Training Project Closing Comments

Moderator: Cathy Villa, US EPA

Alaska IGAP Financial Management Training Project discussion, IGAP Training Closing Comments and Raffle.

NOTES:

NOTES:

NOTES:

Ancillary Events and Meetings

Monday, February 7, 2005

2 p.m. - 5 p.m.

- **Coastal America Regional Implementation Team Meeting - Redoubt Room**
Scheduled planning meeting of the Coastal America Regional Implementation Team.

Tuesday, February 8, 2005

7 p.m. - 9 p.m.

- **Impacts of a Warming Arctic - UAA**
Fine Arts Building, Room #150
Dr. Robert Corell presents scientific overview of the Arctic Climate Impact Assessment and discuss needs for adaptation to impending changes.

7:30 p.m. - 9 p.m.

- **Marine Mammals: From Florida to the Arctic - Title Wave Books**
Dr. John Reynolds and Dr. Dana Wetzel share facts and photos of marine mammals such as dolphins, manatees and whales.

Wednesday, February 9, 2005

8:00 a.m. - 4:00 p.m.

- **GAP Success Stories Filming - Williwaw Room**

9 a.m. - 5 p.m.

- **National Academies Committee on Designing an Arctic Observing Network - (meeting at Hilton Anchorage)**

Open Meeting of the National Academies Committee on Designing an Arctic Observing Network
Hilton Anchorage

500 West Third Avenue, Anchorage, AK 99501

Phone: 1-907-272-7411, Fax: 1-907-265-7044

Feb 9 (9 am to 4pm): Panel discussions on user needs

Feb 9 (4 to 5.30 pm): Open Comment Session

Feb 10 (8.30am to noon): Panel discussions on user needs

See <http://dels.nas.edu/prb/aon> for general information on the project. Funded by NSF/OPP, this study will provide guidance to help design an Arctic land, atmosphere, and ocean observing network. The study committee will provide thoughts on the overarching philosophy and conceptual foundation for such an international network, and, where possible, provide concrete advice to move the concept toward implementation. The panel themes on February 9 are industry, state agency, federal agency, NGOs, local communities. The panel themes on the morning of February 10 are research community and Canadian perspectives. For more information, please contact Paul Cutler at pcutler@nas.edu

9:15 a.m. - 11:45 a.m.

- **Statement of Cooperation Executive Steering Committee (private meeting)- Board Room**

Private annual meeting of the Statement of Cooperation Executive Steering Committee.

2 p.m. - 4:45 p.m.

- **Statement of Cooperation Executive Steering Committee Talking Circle with Elders (private meeting) - Board Room**

Thursday, February 10, 2005

8 a.m. - 5 p.m.

- **Restoration Advisory Board Meeting - LaPerouse Room**

The Restoration Advisory Board Meeting will follow scheduled events for this day long session: After the Community Keynote, Bruce Botelho (Juneau Mayor and former State Attorney General), attendees will break out into three separate training tracks: 1) Understanding environmental law and policy: Arlene Thomas (former Barrow Community Co-Chair) and Chris Kennedy (State of Alaska Law); 2) Providing safe drinking water: Richard Sherman (King Salmon Community Co-Chair) and Anne Farris (ADEC); 3) Protecting subsistence food sources: Raymond Neakok (Nuiqsut Community Co-Chair) and Stephanie Pingree (Consultant).

8:30 a.m. - 12 p.m.

- **National Academies Committee on Designing an Arctic Observing Network - (meeting at Hilton Anchorage)**

Open Meeting of the National Academies Committee on Designing an Arctic Observing Network. For details, see Wednesday 9 a.m. session

8:30 a.m. - 1 p.m.

- **Small Business Innovation Research Opportunities with EPA: Learn How to Get Technology Funds - Anchorage Marriott Downtown**

Learn how to win contracts under EPA's SBIR program. Find out about the agency's environmental technology needs at this workshop hosted by EPA and the Technology Research & Development Center (TREND). This year's solicitation includes a special topic for the Protection of Environmental Health at Tribal Reservations and Alaska Native Villages. Other topics include air and water pollution, solid and hazardous waste management, pollution intervention, monitoring and measurement, and homeland security. This is the first time a variety of Alaska-specific topics have been introduced. Space limited, call Carolyn Pratt to register at (907) 274-7232.

8:30 a.m. - 4 p.m.

- **Oil Spill Recovery Institute Advisory Board Meeting - Board Room**

The Oil Spill Recovery Institute is a Cordova-based organization that supports research, educational projects, and demonstration projects dealing with oil spills in the Arctic and sub-Arctic marine environments. This is a semi-annual meeting of the OSRI Advisory Board.

9:15 a.m. - 10:30 a.m.

- **ANROE Board Meeting - Redoubt Room**

The Alaska Natural Resource and Outdoor Education Association (ANROE) is a statewide group of school teachers, naturalists, state and federal agency staff, and others who help young and old alike learn about and appreciate Alaska's natural resources. This is a meeting of the ANROE Board.

1:15 p.m. - 1:45 p.m.

- **Tribal Environmental Agreement Signing - Williwaw Room**

Tribal Environmental Agreement Signing between TBD Tribal government and US Environmental Protection Agency Regional Administrator, Ron Kreizenbeck.

1:45 p.m. - 2:15 p.m.

- **Tribal Environmental Agreement Signing - Williwaw Room**

Tribal Environmental Agreement Signing between TBD Tribal government and US Environmental Protection Agency Regional Administrator, Ron Kreizenbeck.

Friday, February 11, 2005

8:00 a.m.-12:00 p.m.

- **Air Force Resource Protection Council Meeting - Space 5&6**

8:30 a.m. - 4 p.m.

- **Oil Spill Recovery Institute Advisory Board Meeting, Continued - Board Room**

Continuation of Thursday meeting.



Alaska Forum on the Environment 2005
1.888.301.0185 telephone & fax
info@akforum.com
<http://www.akforum.com>

