

**Summary of Minutes**  
**The Invasive Species Advisory Committee Meeting**  
**Wednesday, October 29, 2003**  
**Day One**

**Location: Wyndham Hotel**  
**1400 M Street, NW**  
**Washington DC**

**PRESENT:**

**ISAC Members in Attendance:**

Randall Stocker, Chair	Jerome A. Jackson
Ann Bartuska, Secretary	Nelroy Jackson, Vice-Chair
K. George Beck	Marilyn Leland
Gary M. Beil	David Lodge
E. Shippen Bright	Ronald R. Lukens
Michael G. Buck	Kathy Metcalf
Faith T. Campbell	N. Marshall Meyers
Allegra A. Cangelosi	Charles R. O'Neill
Barbara Cooksley	Willie Reed
Diane Cooper	Craig Regelbrugge
Joe Corn	Sarah Reichard
Willard "Bill" Dickerson	Linda M. Sheehan
Lucius G. Eldridge	Duane Shroufe
Martin Hugh-Jones	

**National Invasive Species Council Staff:**

Lori Williams, Executive Director  
Phil Andreozzi, Program Assistant  
Kelsey Brantley, Program Analyst  
Gordon Brown, DOI Liaison  
Hilda Diaz-Soltero, USDA Liaison  
Chris Dionigi, Assistant Director (Domestic)  
Mary Josiah, Secretary  
Richard Orr, Assistant Director (International)  
Jim White, Detailee (APHIS)  
Dean Wilkinson, DOC Liaison

**Others in Attendance:**

Scott Cameron	Mary Neal
Allen Basala	John Perrecone
Pete Egan	Maria Pisa
Maurya Faulkner	Gina Ramos
Jeff Fisher	Eric Schwaab
Sharon Gross	Jennifer Skidmore
Peter Jenkins	Elizabeth Sklad
Lisa Kaaihuie	Mike Slimak
Tim Keeney	Kitty Smith
Chuck Lambert	Scott Smith
Joe Lewis	Ron Stinner
Susan McCarthy	Jim Tate
Don McLean	David Thomas
Jeff McNeeley	Kai Umeda
	Dave Walker
	Randy Westbrook
	Phyllis Windle

October 29, 2003 **Transcript Summary** (page numbers refer to the transcript page number for 10/29/03; transcript files available upon request)

**Agenda for 10/29/03:**

- I. Welcoming Remarks/Introductions** (Pages 5 -13)
- II. ISAC Officers Activity**, Chairperson Randall Stocker (Page 13)
- III. Review of Progress on Previous ISAC Action Items**, Ann Bartuska (Pages 13 – 18)
- IV. Approval of Minutes** ( Pages 18 – 22)
- V. NISC Staff Report**, Lori Williams (Pages 22 – 27)
- VI. Remarks from NISC Principals:**  
Jim Tate, DOI, Tim Keeney, DOC, Chuck Lambert, USDA (Pages 27 – 48)
- VII. Presentation of FICMNEW EDRR Plan**, Gina Ramos (Pages 48 – 76)
- VIII. Presentation of Pathways Ranking Criteria**, Faith Campbell (Pages 76 – 111)
- IX. Economic Analysis Issues Update**, Joe Lewis (Pages 111 – 125)
- X. Presentation of Economic Research Service**, Mary Bohman (Pages 125 – 135)
- XI. Presentation of Economic Update from EPA**, Allen Basala (Pages 135 – 138)
- XII. Website Update**, Chuck O'Neill (Pages 138 – 160)
- XIII. International Activities Update**, Gary Beil and Richard Orr (Pages 160 – 170)
- XIV. Control Activities**, Vice-Chairperson Nelroy Jackson (Pages 170 – 180)
- XV. Progress Report on NMP**, Lori Williams (Pages 180 – 242)
- XVI. Alternative Approaches to Funding for Invasive Species**, Allegra Cangelosi  
(Pages 242- 326)
- XVII. Public Comment (20 minutes each)** (Pages 326 – 336)
- XVIII. National Management Plan**

**Summary of Minutes for 10/29/03:**

**Section      Key Points**

- I. Welcoming Remarks/Introductions**  
Chairman R. Stocker began the meeting with introductions and L. Williams announced a few changes to the agenda.
- II. ISAC Officers Activity**  
Chairman Stocker stated that there was nothing specific to report.
- III. Review of Progress on Previous ISAC Action Items – Ann Bartuska**  
A. Bartuska reviewed progress of the past action items.
- IV. Approval of Minutes**  
ISAC approved the minutes from the previous ISAC Meeting, pending editorial changes.
- V. NISC Staff Report, Lori Williams**
  - L. Williams reported that the NISC staffing plan was approved and that the Council was advertising for a new Public Affairs Coordinator.
  - The new Council Secretary, M. Josiah, was introduced.
  - Joe Lewis, the new Council detailee, who will work part-time on economic impact studies was introduced.
  - L. Williams reported that J. White, the APHIS detailee who worked on the NEPA guidance document will be returning to APHIS in November.
  - H. Diaz-Soltero was introduced as the new NISC liaison from USDA.

**Section    Key Points**

**VI.    Remarks from NISC Principals, Jim Tate (DOI), Chuck Lambert (USDA), and Tim Keeney (DOC)**

- Dr. Tate praised ISAC's progress, especially with two time-consuming projects, one being the Performance Based Crosscut Budget, which the result is an increase in the Fiscal Year (FY) 2004 budget by several million dollars (pages 27-29).
- C. Lambert, reported that the Chief of the Forest Service (FS) identified invasive species as one of four major threats to national forests, and they are drafting a strategy to deal with invasive species in all of the FS programs. The FS is conducting competitive research programs on Sudden Oak Death (SOD) and C. Lambert was able to travel through Holland and the UK to speak with authorities there about SOD. The Economic Research Service (ERS) had 2 million dollars in funding for the competitive program and the quarantine for Newcastle's disease in California has been removed, which is a success story. The issue of Bovine Spongiform Encephalopathy cow has been downgraded from a quarantinable disease to a quality issue. APHIS announced quarantine of 13 counties of Michigan for Emerald Ash Borer.
- A. Bartuska reported a new *Phytophthora alnii* hybrid that attacks red alder (*Alnus rubra*) and which is devastating Europe.
- K. Metcalf raised a concern about the lack of cohesiveness in the Department of Transportation and L. Williams suggested that the Council staff and ISAC work together in order to facilitate more coordination with DOT personnel (Page 40).
- J. Tate reported that the Department of Homeland Security is now a member of the Council and the Council planned to invite the United States Trade Representative (USTR) to join.
- Chair Stocker requested an annual update from ERS about allocations and economic information (Page 42).

**VII.   Presentations of FICMNEW, Early Detection and Rapid Response Plan, Gina Ramos**

- G. Ramos reported on the conceptual design of the Early Detection and Rapid Response (EDRR) project in two phases. Phase I and II, were both distributed to the group. A key new component involves testing (Page 55).
- In regards to EDRR, A. Bartuska proposed that the FICMNEW model, include all other entities and make sure that the players with the expertise are included as part of the team (Pages 60 – 61). A. Bartuska also added that the public needs to be trained on how to detect invasive species.
- J. Corn and C. Regelbrugge both requested other agencies such as ERS, Veterinary Services, and APHIS be included (Pages 62-75).
- Ann Bartuska requested that in the future there should be an agenda item that lays out all of the different EDRR activities, including but not limited to Emergency Veterinary Services, DHS, CSREES, APHIS, Pet Detection, and the EPMTS.

**VIII.   Presentation of Pathways Ranking Criteria - Faith Campbell (Pages 76 – 111)**

- F. Campbell's presentation summarized the efforts of the Pathways Task Teams to identify a multitude of invasive species pathways, along with the development of a priority system and said that she hopes that the Council will adopt the distributed report.
- The next steps for the Pathways document is first, for ISAC to accept the report as a draft document under consideration; and second, forward it to the Council as a draft document requesting review; and third, ask the pathway teams to clarify the review process, with the goal of getting it out to multiple venues to test (Pages 76 –109).

**Section      Key Points**

**IX. Economic Analysis Issues Update, Joe Lewis**

- J. Lewis's presentation summarized how he will develop an economic analysis of tamarisk (salt cedar). This case study will use empirical data to quantify the impacts of tamarisk in monetary and physical terms (Pages 110-124).

**X. Presentation of Economic Research Service, Mary Bohman**

- M. Bohman, gave an overview of what ERS was doing. They were given a \$2 million dollar initiative to develop a program of research on the economics of invasive species management for USDA. ERS is working with H. Diaz-Soltero on a workshop for connecting researchers with USDA policy officials (Pages 124 – 135).

**XI. Presentation of Economic Update from EPA, Allen Basala**

- A. Basala reported that EPA recently went through a process of evaluating research proposals, which are more oriented towards the non-commodity values using revealed preference and stated preference. EPA also has developed a benefits research strategy and they are working on sharing information across agencies (Page 138).

**XII. Website Update, Chuck O'Neill and Maria Pisa**

- C. O' Neill reported on the "Invasive Species of the Month" link. The rollout date for the first species is January 2004. They will email a draft report to ISAC by next week (Pages 138 – 143).
- M. Pisa, from the National Agricultural Library introduced the new Web Coordinator, Joyce Bolton. She also reported on the second user requirements Workshop (Pages 143-154).

**XIII. International Activities Update, Gary Beil and Richard Orr**

- R. Orr reported that he is currently canvassing major players in the international arena about current invasive species activities, so that he can consolidate the information and distribute a monthly report. He is also figuring out the best focus for the Council (Page 164). He suggested that ISAC play a role in the Asian-Pacific Economic Cooperation (APEC) 2004 Workshop, NSF is willing to provide funds for PIs with backgrounds in biological, social, and invasive sciences and international trade. In addition, R. Orr reported that Bio-era is looking to produce a comprehensive study on a U.S bio-security system in relations to invasive species and asked if ISAC was interested (Pages 160-170).

**XIV. Control Activities, Vice-Chairperson Nelroy Jackson**

- N. Jackson presented on the invasive species project ranking guidelines, the need for IPM training and the invitational workshop. He spoke on behalf of the Control & Management Subcommittee. He reported that a draft for the invasive species project ranking guidelines is available. April 27- 29, 2004, there is a workshop in DC, which will be held to determine the status of controlling management strategies for invasive species across the range of habitats they invest and to identify gaps. The agenda will also include an assessment of progress of the action items (pages 170 –179).

**Section**    **Key Points**

**XV.    Progress Report on the NISC National Management Plan (NMP) - Lori Williams**

- L. Williams reviewed the progress report of the draft of the NMP (Page 180). NISC needs to revise and finalize the report. L. Williams stated that there needs to be a discussion of the overall recommendations, in order to further analyze the plan. How does the NMP relate, and support invasive species efforts?
- F. Campbell suggested that the Council identify authority gaps and develop a government-wide plan.
- G. Beck suggested that ISAC requests public meetings to discuss research needs of DOI.
- S. Bright, asked that the economic impact studies and research include aquatics and R. Stocker requested information from H. Diaz-Soltero on the Forest Service workshop; H. Diaz-Soltero said she would add ISAC to the email list (Page 202).
- H. Diaz-Soltero suggested putting together different strategies for appropriations.
- N. Jackson suggests that the NMP needs to be more strategic (i.e., identify central issues, prioritize them and stick to top ones, tie it to crosscut budgets to ID individual agencies to be responsible and talk to OMB and CEQ before revisions).
- J. White says get DHS engaged.
- F. Campbell suggests that the NMP focus on key five specific steps, identify gaps and figure out how to get there.
- H. Diaz-Soltero suggested an analysis of the relationship among current Plan action items be completed (Pages 226-228).
- S. Bright suggested that the economic impact studies would inspire and influence the public to want to address invasive species (Page 229).
- R. Stocker suggested that in the revision of the NMP, a column should be added that identifies the obstacles and limiting factors, which blocks the accomplishment of key objectives.
- H. Diaz-Soltero suggested a relationship database, which interconnects different parts of the NMP (Pages 239).

**XVI.    Alternative Approaches to Funding for Invasive Species – Allegra Cangelosi & Panel**

- A. Cangelosi identified several objectives for her presentation on funding: The first objective is to explore the available options for permanent sources of revenue to manage invasive species in a more efficient way; and second to discuss what ISAC can do as a group, in regards to making recommendations to the Council (Page 242 - 263). She introduced the panel, which included J. McNeeley, A. Bartuska, S. Smith, C. Regelbrugge, D. Cooper and K. Metcalf.
- J. McNeeley gave a presentation, which focused on the question of “where is the funding” and Globalization (Pages 247 – 263). He listed 10 strategies of the global invasive species program.
- A. Bartuska’s presentation focused on the more feasible and pragmatic funding options which already exists within the Federal government, with some alternative approaches in the future. She discussed funding options that are built on experience with pest management and fire within the U.S. Fire Service (263-269).
- S. Smith discussed approaches to funding for Washington State Programs (Pages 270 – 277).
- M. Faulkner reported on the California State land Commissions Ballast Water Program. She spoke about the existing program and their approach to funding (Pages 278 – 289).
- K. Metcalf reported that there is a Bill in Congress right now that would collect a user fee from vessels for the sole purpose of funding port security infrastructure. User fees need a clear connection between the fee charged and the service provided. In addition, K. Metcalf raised the

**Section**    **Key Points**

question of who collects fee and where do dollars go and are they capped or uncapped (Pages 289 – 294)?

- D. Cooper gave a presentation on approaches to funding in the aquaculture industry and the user fee approach (Pages 294 – 296).
- C. Regelbrugge spoke about the funding approaches that exist at the federal, industry and state levels (Pages 297 – 303). M. Meyers said that the user fees approach does not necessarily fit all industries (i.e. Sports Fisheries).
- M. Ford from AHPIS briefly spoke about AQI and APHIS user fees (Page 306).
- A. Cangelosi summarized by saying that the existing system has to be re-arranged and opened up the floor for discussion (Pages 308 – 325).

**XVII. Public Comments**

- P. Windle, announced that The Union of Concerned Scientists are about to release the third of their state summaries, which they call their state invasion portfolios. Second, it has been ten years since the Office of Technology Assessment released its landmark study and there has been a number of changes (Pages 327 – 330).
- A. Basala spoke about alternative revenue sources.
- P. Jenkins suggested that number 24 in the EDRR needs to be completed and incorporated into the progress report (Page 333).

Meeting adjourned 5:26 pm on 10/29/03.

**Summary of Minutes for the Joint NISC/ISAC Meeting  
Thursday, October 30, 2003  
Day Two**

**Location: Wyndham Hotel  
1400 M St. NW  
Washington DC**

**PRESENT:**

**ISAC Members in Attendance:**

Randall Stocker, Chair	Jerome A. Jackson
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K. George Beck	Marilyn Leland
Gary M. Beil	David Lodge
E. Shippen Bright	Ronald R. Lukens
Michael G. Buck	Kathy Metcalf
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Chris Dionigi, Assistant Director (Domestic)  
Mary Josiah, Secretary  
Richard Orr, Assistant Director (International)  
Jim White, Detailee (APHIS)  
Dean Wilkinson, DOC Liaison

**Others in Attendance:**

The Honorable Gale Norton	Chuck Lambert
The Honorable Sam Bodman	Francis Li
Scott Cameron	Susan McCarthy
Pete Egan	Mary Neal
Pam Fuller	John Perrecone
Paul Gilman	Maria Pisa
Jan Goodwin	Mike Slimak
Sharon Gross	Kitty Smith
Jim Hester	Robert Sorensen
Doug Holley	Jim Tate
Lisa Kaaihuie	John Turner
Tim Keeney	Dave Walker
Penny Kleash	
Andrew Kornheim	

**Agenda for the Joint Meeting on 10/30/03:**

- I. Opening Remarks & Introductions**, Dr. Sam Bodman, Dr. Jim Tate, Dr. Randall Stocker (Pages 5 – 14)
- II. Updates from NISC Member Departments/Agencies**, NISC Members (Pages (16 -27)
- III. Update on Invasive Species Crosscut Budget**, Scott Cameron (DOI), Chuck Lambert, (USDA) and Tim Keeney (DOC), (Pages 27 – 35)
- IV. Progress Report on National Management Plan (NMP) & NMP Revision Issues**, Lori Williams, (Pages 35 – 43)
- V. Renewal of ISAC Charter**, Jim Tate (Pages 43 – 47)
- VI. The Honorable Gale Norton**, Secretary, U.S. Department of the Interior (Pages 47 – 59)
- VII. ISAC Comment and Recommendations on Progress and Revision Issues**, Randall Stocker, (Pages 59 – 66)
- VIII. Discussion**, ISAC/NISC (Pages 66 – 77)

**Summary of Minutes on 10/30/03 for the Joint Meeting:**

**Section      Key Points**

- I. Opening Remarks and Introductions**, Dr. Sam Bodman, Deputy Secretary of Commerce Dr. Jim Tate, DOI, Chairman Randall Stocker
  - S. Bodman opened the meeting and led the introductions, after which he gave an update on activities at NOAA (Pages 5-15).
  - J. Tate praised ISAC and recognized the need for additional levels of cooperation from all member departments.
  
- II. Updates from NISC Member Departments/Agencies**, NISC Members
  - J. Turner gave updates on the State Departments’ regional workshops. He reported that one of their main focus areas is the Asian-Pacific Economic Council (APEC) (Page 17). They are also focused on ballast water regulations and free trade talks.
  - P. Gilman gave an update on EPA’s denial of the petition to permit ballast water, under the Clean Water Act. He also reported on a scientific assessment of invasive species in New England (from Portland, Maine to NY on eight estuaries) (Page 19).
  - A. Konheim, from DOT gave an update regarding looking at the feasibility of using air curtain technology as a substitute for chemical insecticides for disinfecting aircraft and passenger cabins of aircrafts (Page 20).
  - P. Egan gave an update on the DOD, regarding work with APHIS and DHS, to retrograde materials from Iraq and other operations overseas. He reported on partnerships with other federal agencies as well (Page 21).
  - J. Hester gave an update on USAID and discussed their current tracking of their invasive species programs and discussed two regional workshops (Pages 22 – 25).
  
- III. Update on Invasive Species Crosscut Budget**, Scott Cameron, DOI
  - S. Cameron gave a history and update on the crosscut budget (Page 26). He reported that as the new director, Josh Bolton is still refining and collecting data. He stated that this is an opportunity for the 2006 budget, to put extra effort into trying to coordinate budget decisions at the senior policy level across agencies.
  - S. Bodman of DOC, discussed the impact of increased trade by invasive species (Page 33).
  - J.Tate gave updates on NISC needs and discussed the staffing plan.

**Summary of Minutes**  
**Section    Key Points**

**IV.      Progress Report on National Management Plan (NMP) and NMP Revision Issues, Lori Williams**

- L. Williams gave an update on the NMP, and discussed its 57 action items and 86 subparts. She welcomed recommendations from ISAC to help refine the progress of the Plan.
- C. Lambert, spoke on behalf of Secretary Veneman. C. Lambert began by commending ISAC and then discussed the large coordinated effort within USDA, not just with plant and animal health, but with extension, education, research, economics, natural resources, forest service etc and outside agencies (Pages 39-43).

**V.        Renewal of ISAC Charter, Jim Tate**

J. Tate reported on the renewal process of ISAC Charter (Pages 42 – 46).

**VI.      The Honorable Gale Norton, Secretary, U.S. Department of the Interior**

- G. Norton discussed banning the importation of snakehead fish and projects that work to eradicate purple loose strife at the Anacostia River. She discussed the impacts of invasive species on park service lands, BLM grazing lands, wetlands, wildlife refuge system, hydrology and health. She welcomed DHS as a full partner and reported on the control efforts for Tamarisk in the Western U.S. She also discussed the upcoming work and implementation of the National Management Plan.
- S. Bright suggested connecting invasive species numbers down to a personal level for the average American (Pages 56 – 57).

**VII.     ISAC Comment and Recommendations on Progress Report and Revision Issues, Randall Stocker**  
**Chair Stocker presented the following bulleted items:**

1.        NISC should be strategic and focused on the vision.  
          NISC should strive to complete action items focused on important leadership and coordination issues to identify and remove barriers
  2.        Each member Agency should identify specific actions to be taken to comply with the EO and NMP and should work toward adoption and execution of an implementation plan.
  3.        Each agency should take plan back within own internal workings and develop own plan detailing what they will do with their resources.
  4.        Need economic issues in both managed and unmanaged systems addressed.
  5.        Need to increase emphasis on education activities.
  6.        Need to implement a process to avoid causing harm.
  7.        Need to find money from stable and permanent sources beyond current appropriations.
  8.        Need to harmonize and integrate the EDRR across agencies into a national program.
  9.        Council needs to identify barriers to implementation of the NMP including lacks and gaps in statutory authority.
- D. Thomas of the Forest Service shared the framework to develop strategy for invasive species as an agency (Page 65).

**VIII.    Discussion ISAC/NISC**

Issues and Comments were made about the 10 bullet points by K. Metcalf, Jackson, A. Bartuska, M. Hugh-Jones, T. Keeney, J. Hester, H. Diaz-Soltero,

Meeting adjourned at 2:58 p.m. on 10/30/03.

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**Agenda on 10/30/03 for the ISAC Meeting:**

- I. Open Meeting/Introductions**, Chairman Randall Stocker
- II. Effluent Guidelines for Aquaculture**, Jan Goodwin and Dan Kluza, EPA (Pages 8 -31)
- III. Major Pathways and How Industries Operate**, Barbara Cooksley & Kathy Metcalf (Pages 31 – 52)
- IV. Update from ANSTF**, Sharon Gross, USFWS (Pages 52 – 72)
- V. Legislative Updates: All Invasive Species Bills in Congress**, Ann Bartuska,
- VI. Definition of Nonnative and Invasive Terms**, Allegra Cangelosi and Diane Cooper (Pages – 81 – 113)
- VII. Update on Animal Imports and Zoonotic Diseases**, Joe Corn (Pages 113 – 126)
- VIII. Members Forum** (Pages 136- 164)
- IX. Upcoming ISAC Meetings**, Lu Eldridge (Pages 164 – 167)
- X. Public Comments**, Chairman Randall Stocker

**Summary of Minutes on 10/30/03 for the ISAC Meeting:**

**Section      Key Points**

- I. Open Meeting/Introductions, Randall Stocker**
  - R. Stocker began the meeting by having all the attendees introduce themselves.
  
- II. Effluent Guidelines for Aquaculture, Jan Goodwin and Dan Kluza, EPA**
  - J. Goodwin presented an overview of the effluent guideline regulation for aquaculture, under the authority of the Clean Water Act (Pages 8 – 18).
  - D. Kluza elaborated on this presentation by discussing how the EPA produced ecological niche models, in support of this project for various aquaculture species, to determine the level of threat posed by escapement from aquaculture facilities (Pages 18 – 20). J Goodwin added that they are developing a “notice of data availability” which will be published in the Federal Registry very soon (Page 21).
  
- III. Major Pathways and How Industries Operate, Barbara Cooksley and Kathy Metcalf**
  - B. Cooksley made a presentation on Nebraska livestock and passed out two handouts: One was text and the other was photos of the Sand Hills of Nebraska. She discussed the pathways, which include birds, wind, and insects. B. Cooksley also reported that West Nile Virus, killed 19 people in Nebraska this year, and the pathway is presumed to be insect-borne (Pages 32 – 39).
  - K. Metcalf made a presentation, discussing how ships and vessels are related to ANS transfers (Pages 39 – 51).
  
- IV. Update from ANSTF, Sharon Gross, USFWS (pages 54- 74)**
  - S. Gross presented an overview of regional panel activities and how they provide an aquatic perspective which help to establish regional priorities. Their newest initiative deals with the Lewis and Clark Centennial.
  
- V. Legislative Updates (All major invasive species bills in Congress), Ann Bartuska**
  - A. Bartuska updated ISAC on activities and hearings concerning Tamarisk, and she reported on three Tamarisk bills that have won support (Pages 74 – 77).
  - C. Regelbrugge added some information on the Specialty Crop Competitiveness Act of 2003, which is HR3242 (Page 77).
  - A. Cangelosi gave an update on NISA (Pages 82 – 83).

**Section    Key Points**

- VI.            Definition of Nonnative and Invasive Terms, Allegra Cangelosi and Diane Cooper**
- A. Cangelosi suggested ISAC draft letter to Mr. Pombo clarifying distinction between nonnatives and invasive or alien and request NISC agencies to clarify distinctions.
  - A. Cangelosi suggested to try to illustrate what we mean by invasive.
  -
- VII.           Update on Animal & Zoonotic Diseases, Joe Corn and Steve Solomon**
- J. Corn gave an overview of foreign animal diseases and presented on why they are significant in regards to native free-ranging wildlife in the U.S. He highlighted some examples of foreign animal diseases such as Severe Acute Respiratory Syndrome and West Nile Virus. One issue is exotic ticks that come in with the reptile trade and serve as vectors for these new diseases. He reported that Bovine tuberculosis in Michigan cattle spread to deer in the 70s, and is now back to cattle and it is still problem today. J. Corn reported that most states have emergency response plans with a state wildlife liaison officer, to interact with APHIS in the event of an outbreak. Surveys are being done to see if plans are useful and redbooks are being updated to include wildlife. Animal Emergency Response Organization (AERO) is replacing the Regional Emergency Animal Disease Eradication Organization (READO). He listed many resources, which are available (Pages 115 – 128).
  - S. Solomon did an FDA Study that analyzed the pathways for Monkeypox, in Prairie dogs and Gambian giant rats (Pages 128-136).
- VIII.          Members Forum**
- S. Reichard is working on new book on 100 worst invasive species if anyone would like to review it, email her.
  - S. Eldridge gave out Marine invasive species cards aimed towards divers and were waterproof to go under water with divers.
  - A. Bartuska handed out a bookmark that highlights issues that TNC is focused on.
  - Chair Stocker led a bullet points discussion and wordsmith and public comment on what would be presented that afternoon in the joint meeting with NISC (pages 148-170).
  - L. Williams recommended that this meeting be summarized as a report with recommendations at the end in the form of action items.
  - A. Cangelosi recommended that ISAC make a formal recommendation to NISC.
  - B. Dickerson presented letter as follow up on action regarding Federal Register notice, which was approved after further discussion.
  - R. Luken suggested adding a new template for new action items.
  - R. Stocker suggested a new process on how to handle meetings in future, which involves consolidating main points and actions and posting them as bullet-items on the wall.
- IX.            Upcoming ISAC Meetings, Lu Eldredge**
- It was confirmed that the March ISAC meeting is scheduled for the 2<sup>nd</sup> and 3<sup>rd</sup> at the Hawaiian Hilton Village in Honolulu, HI.
  - It was decided that the alternative ISAC dates for the summer is June 1 – 4, 2004 (Page 175 and 181).
- X.             Closing Comments and Summary of Action Items, Randall Stocker and Ann Bartuska**
- A. Bartuska summarized action items and meeting (Pages 177 – 184) (see below).

Meeting adjourned at 3:22 p.m. on 10/30/03.

**ACTION ITEMS FROM THE ISAC MEETING**  
**10/29/03 – 10/30/03**

The following items should be addressed by ISAC members.

1. Items for Craig, Duane and Ann
  - a. Provide the letter that ISAC supports regarding the APHIS cost-share (Docket No. 02-062-1) as drafted by Bill Dickerson to Lori Williams.
2. Item for C. O'Neill
  - a. CEO Committee will develop formal proposal to ISAC for invasive species of the month implementation
3. Item for K. Metcalf
  - a. Develop strategy or statement on more effective engagement and participation by agencies with responsibilities in transportation modes (Due November 15, 2003).
4. Item for the EDRR Team
  - a. Charge ED/RR Task Team to outreach to agencies and begin moving forward with a more comprehensive approach to ED/RR (including but not limited to: Emergency Vet Services, DHS, CSREES, APHIS Pest detection survey, EPMT's, FHP, ANSTF). Plan as future agenda item.

\* Commendation to Pathways team for “job well done”!

5. ISAC accepts the Pathways report as a “draft document under consideration” and recommends that it be forwarded to NISC to seek review and “test driving” by agencies. ISAC will charge the Prevention task team to be the point of contact for review and feedback from multiple venues (including but not limited to National Governor’s Association, National Plant Board, etc).
6. Richard Orr requested that ISAC look over the “International Invasive Species Contacts” (under tab 4). This is the list of contact names that will be canvassed monthly to consolidate all the major international meetings or happenings on invasive species. Additional names and organizations are requested from the ISAC members (Due November 24<sup>th</sup> to Orr).
7. Provide additional names for consideration for the 5 working groups under the joint NISC/ANSTF Prevention Committee (under tab 10) (Due November 24<sup>th</sup> to Orr).
8. Requested that ISAC members interested in working as a Principle Investigator under the National Science Foundation on putting together an international invasive species workshop for the Asia Pacific Economic Cooperation (APEC) contact Frances Li [fli@nsf.gov or (703) 292-8710] from the National Science Foundation. No time frame was mentioned, but I’m sure that sooner rather than later is better.
9. ISAC members (and their organizations) interested in partnering with Bio-Economic Research Associates (bio-era) on the Biology and Borders Scoping Conference on January 25 – 27, 2004 are being sought [Richard\_Orr@ios.doi.gov or (202) 354-1882]. Bio-era is interested in partnering with government, industry and NGOs to produce a comprehensive study of the U.S. biosecurity system as it relates to invasive species. This workshop will be the first of a series. Bio-era provided the copies of the paper, “SARS and the new economics of biosecurity” that was handed out at the ISAC meeting (December 5 to Richard Orr).
10. Talk to fire staff in DOI and USDA to explore combined approach to seeking emergency response funding outside appropriations. Use Steve Dewey’s fire model as Exhibit A. Use NIWAW as opportunity to discuss. (Budget task team, Bartuska).
11. Send comments on Draft Ranking Criteria for Control and Management (Tab 4) to Chris Dionigi by November 26, 2003; will share with Nelroy and Bob.

12. NISC (Lori) will distribute oversight document to ISAC members by November 7, 2003.
13. Hilda Diaz-Soltero will send notice to ISAC of Forest Service workshop on invasive species research as soon as it is planned.
14. Item for NISC Staff
  - a. Get DHS on board.
15. Item for Allegra Cangelosi
  - a. Regarding the definition issue, Allegra will revise letter based on discussion and bring back to ISAC shortly (unresolved issue-how does the information get to the lowest level of agencies for implementation).
16. Agreed to new process for bringing KEY and HIGH PRIORITY actions/recommendations to NISC from ISAC. the top 3 – 10 items will be drafted at each meeting; will be displayed prominently in meeting notes and conveyed to ISAC.
17. June meeting dates – June 3 – 4, 2004. Location TBD; interest in field trip with NPS-EPMT. Alternate date is June 1 – 2, 2004.