Questionnaire:
Should NADCA Continue, Change, or Disband?

The questionnaire enclosed in this issue seeks every member's opinion on NADCA's future. Please take a moment now to complete this 1-page questionnaire, fold and seal it with tape, and affix a 33¢ stamp before mailing. Your input is critical to NADCA's officers and directors, who will be deciding our association's fate in the coming weeks!

Make your opinion known — Mail this questionnaire by Feb. 15.

Thank you.
Your NADCA Officers and Directors

NADCA Members to Meet

An open meeting of NADCA members to discuss the association's future will be held at one or both of two upcoming wildlife damage conferences. A meeting will be held in San Diego, CA during the 19th Vertebrate Pest Conference (Mar. 6-9) at the Mission Valley Hilton Inn. It is also possible that a similar gathering will take place during the 6th Annual Wildlife Control Instructional Seminar (Feb. 7-9) at the Imperial Palace, Las Vegas, NV.

Look for specifics as to meeting room, date, and time at the conference's registration desk.

NADCA officers and directors present will solicit the opinions of members concerning whether the association should continue, disband, or merge with another organization. Information and ideas from these meetings will be conveyed to our association's officers and directors, who will be making a final decision on the future of NADCA during March or April. If you are able to attend one or both of these meetings, please do so and let your voice be heard.

Officers Discuss Fate of Association: Synopsis of December Conference Call

Editor's Note: This is a synopsis of the December 6, 1999 conference call of NADCA officers and directors. The call was organized by Secretary Richard Chipman in an effort to define the immediate and future direction of our association. Participants are listed below.

NADCA’s total paid membership as of Nov. 18 stood at 233 members: 216 active, 4 patron, 9 sponsor, and 4 student), the lowest level in the Association’s history. Historically, our membership has been around 400, although at one point it reached about 700 during Jim Forbes’ presidency. Jim noted that it seems like we’re on a 10-year cycle, and it’s now time for new leadership to step forward.

Association expenses (primarily the production and distribution of The Probe) are likely outstripping income. Total income for 1999 was $4,942, while Probe production costs are estimated to be up to $700/month. The upcoming election will cost about $200 in postage and photocopying.

George Graves gave reported on results of a survey he distributed to members within the Northern Rockies region (6 respondents). It was generally agreed that his survey needs to be more widely utilized to obtain feedback from throughout our membership.

The election that was to have been held in fall 1999 has been postponed because of uncertainty surrounding the Association’s future. It was suggested that for the sake it continuity, it would be valuable if some of the existing officers or directors would step forward to fill roles for the next 2-year term. Grant Huggins and Rich Chipman desire to step down from their roles as Treasurer and Secretary, respectively. Mark Collinge and Pete Butchko tentatively agreed to continue in their roles as Vice Presidents. Bob Timm would like to step down from the position of Probe editor by June 2000.

The following action items were decided:

- Current officers will stay in place until the organization conducts an election of new officers early in 2000 or decides to disband.

- The Probe will move to an every-other-month publication schedule, effective im-
February 7-9, 2000: Sixth Annual Wildlife Control Instructional Seminar, Imperial Palace, Las Vegas, Nevada. Sponsored by W.C.T. (Wildlife Control Technology) and Nuisance Wildlife Control Operators Assoc. (NWCOA). Includes sessions on “The Business of the NWCO Business,” “Risk Management,” and “How-to Tips.” A meeting of NWCOA will be held in conjunction with the seminar. Registration fee is $225 which includes two lunch buffets. Rooms are $49 per night. For registration forms or more information, phone W.C.T. at (815) 286-3039 or write W.C.T., P.O. Box 480, Cortland, IL 60112.

February 23-26, 2000: Beyond 2000: Realities of Global Wolf Restoration, Duluth Entertainment and Convention Center, Duluth, MN. Hosted by University College, University of Minnesota and the International Wolf Center. Conference will feature presentations by biologists, researchers, and professionals exploring the complex and emotional issues associated with wolf recovery around the world. Speakers will include L. David Mech (U.S.), Anders Björvall (Sweden), Luigi Boitani (Italy), Y. Jhala (India), and Christoph Promberger (Germany). For more information, visit website http://www.d.umn.edu/wolf2000 or contact Beyond 2000, University College Duluth, UMD, 251 Darland, 10 University Dr., Duluth MN 55812-2496, phone (218) 726-6296, fax (218) 726-6336, email <wolf2000@d.umn.edu>.

February 29 - March 2, 2000: Wildlife Chemical Immobilization Course, Sevilleta National Wildlife Refuge, New Mexico. Sponsored by Wildlife Veterinary Resources. The field-oriented course emphasizes professional and humane animal handling and covers practical techniques. Topics include: field preparation, legal responsibilities, current immobilization drugs and delivery systems, and basic veterinary procedures. Participants receive a course booklet and Certificate of Training. Instructors include Dr. Mark Johnson of W.V.R. of Bozeman, MT and Kerry Mower of NM Dept. of Game & Fish. Housing available for $10/night; see Sevilleta home page (www.sevilleta.unm.edu) for photos of housing and facilities. Course fee is $350 before Feb. 1, and $375 thereafter. Register through: www.d.umn.edu/wolf2000 or contact Beyond 2000 at phone (970) 266-6000 or email <wildlifevet@gomontana.com>.

March 6-9, 2000: 19th Vertebrate Pest Conference, Mission Valley Hilton, San Diego, CA. One-day field trip (Mar. 6) plus three days of plenary and concurrent sessions covering diverse topics including rodent, bird, and predator research and management. To receive program and pre-registration materials, contact Dr. Terry Salmon, Wildlife Fish & Conservation Biology, UC Davis, One Shields Ave., Davis CA 95616-8571, phone (530) 752-8751, fax (530) 752-4154, or visit web site: http://www.davis.ca.edu/~vpc/welcome.htm

March 18, 2000: New England Training Seminar, Vernon, CT. Sponsored by the Connecticut Nuisance Wildlife Association, Inc. For more information, contact Paul Magnotta at (800) 634-4456 or email <ccnwco@wildlifedamagecontrol.com>.

April 17-21, 2000: 25th Meeting of International Bird Strike Committee, Universiteit van Amsterdam, The Netherlands. Abstracts or descriptions for submitted posters are due March 1. Pre-registration fee (before Mar. 1) 205 EURO. For further information, contact Univ. van Amsterdam Conference Office, Dr. Rutger Hamelynck, P.O. Box 19268, 1000 GG Amsterdam, The Netherlands, email <congres@bdu.uva.nl>, or see website http://www.int-birdstrike.com

August 1-3, 2000: Conference: Human Conflicts with Wildlife: Economic Considerations, Colorado State University, Fort Collins, CO. Sponsored and organized by National Wildlife Research Center, USDA-APHIS-Wildlife Services. In response to a call for papers, abstracts must be submitted by February 25 with electronic format preferred. Early registration fee (before Feb. 25) is $225, including a copy of the published Proceedings. On-campus housing available at $33.40/night single occupancy. For further information, contact program chairperson Larry Clark at phone (970) 266-6000 or email <Larry.Clark@usda.gov>, or visit web site http://www.aphis.usda.gov/ws/nwrc/econsymp.htm

August 7-10, 2000: Bird Strike Committee USA and Bird Strike Committee Canada: 2nd Joint Meeting, Minneapolis-St. Paul International Airport, Minnesota. Presentations will include papers, posters, and demonstrations on wildlife control techniques, new technologies, land-use issues, training, engineering standards, habitat management, and vendor exhibits. A Wednesday field trip will include a tour of the airport and pre-registration materials, contact Dr. Richard Dolebeer at (419) 625-0242, email <richard.a.dolbeer@usda.gov>, or visit web site: http://www.birdstrike.org.

Abstracts from the 6th Annual Conference of The Wildlife Society — September 1999, Austin, TX

(Continued from Probe 207)

Editor’s Note: These abstracts are reproduced by permission of TWS, which holds the copyright to these materials.

Effectiveness of the Pennsylvania Cooperative Extension system in alleviating human/wildlife conflicts
Falker, Shannon T.*, Margaret C. Brittingham, and Gary J. San Julian, *Cambridge, MA

This study attempts to estimate the effectiveness of the Penn State Cooperative Extension system’s efforts to mitigate human/wildlife conflicts. The Extension offices of 14 Pennsylvania counties recorded the species of interest, damage type, and recommendations for 249 nuisance wildlife inquiries from May-July 1997. I conducted telephone follow-up surveys with 184 of the individuals whose inquiries were recorded. The majority of inquiries were related to chipmunks (18%), woodchucks (15%), and squirrels (10%). Over 95% of the clients who received materials from Extension offices read them, and 58% of those clients used the materials to some extent. Twenty-eight percent of the clients were referred to other agencies; 77% of these referrals were to wildlife pest control operators. Overall, clients reported almost complete satisfaction with Extension recommendations in terms of adequacy in addressing their concerns about nuisance wildlife management. However, they reported only moderate use of the information and that the recommended control methods were only effective “to some degree.” The findings of this study indicated that the majority of the information disseminated by the Penn State Cooperative Extension was commendable for its accuracy and appropriateness. In order to maintain this level of service, it is important that Extension information is kept updated, and that personnel responding to wildlife-related inquiries are sufficiently trained. Finally, the efforts of clients in Pennsylvania to find wildlife-related information on the Internet suggests that more use should be made of this medium.

Wildlife health aspects of large mammal restoration
Gaydos, Joseph K., and Joseph L. Corn
Southeastern Cooperative Wildlife Disease Study, University of Georgia, Athens, GA

Restoration of white-tailed deer (Odocoileus virginianus), elk (Cervus elaphus), bighorn sheep (Ovis canadensis) and other large mammals to former range in the United States can be heralded as one of the most successful wildlife management accomplishments in North America. However, when a deer or any other large mammal is translocated, more than just that animal is moved; it is a total biological package containing one mammal and millions of microorganisms. No restoration project should begin without prior consideration of the disease potentials of this biological package. Moving large mammals infected with pathogenic organisms can have severe and protracted consequences to the health of (1) wildlife, (2) domestic animals and (3) humans. For example, plains bison (Bison bison athabascae) translocated into Canada’s Wood Buffalo National Park in the 1920’s are reported to have carried with them bovine tuberculosis. Trapping and relocation of wild swine (Sus scrofa) has resulted in the movement of pseudorabies and swine brucellosis. Also, diseases that exist at the site of restoration should be considered potential threats to the animals being introduced. Although precautions and circumstances helped avoid such a problem, the high prevalence of canine parvovirus in the coyotes (Canis latrans) of Yellowstone National Park had a real potential to limit growth of a small re-introduced population of gray wolves (Canis lupus). Current efforts to restore elk in the eastern United States may be impacted by the white-tailed deer meningeal worm Parelaphostrongylus tenuis. Methods for mitigation against disease problems in the restoration of large mammals must be tailored for each situation.

Mechanisms of territorial defense by coyotes:
Scent-marking, howling, and confrontation
Gese, Eric M.
USDA National Wildlife Research Center, Dept. Fisheries & Wildlife, Utah State University, Logan, UT

Territoriality is an important aspect of carnivore social ecology. Defending and maintaining a territory reduces competition with other conspecifics for mates, resources, and space. Defense of the territory may be undertaken by an individual animal, certain members of the social unit, or all members of the social group. We investigated the role that scent-marking, howling, and direct confrontation play in territory defense. The following officers or directors participated in the conference call: Pete Butchko (VP-East), Mark Collinge (VP-West), Richard Chipman (Secretary), Bob Timm (PROBE editor), Diane DeLorimier (RD-Western), Gary Witmer (RD-Southwest), George Graves (RD-Northern Rockies), Jerry Pickle (RD-Northeastern), Eugene LeBocuf (RD-At-Large), and Jim Forbes (Past President).
Book Review: Stephen Vantassel, NWCO Correspondent


Randall Eaton’s book The Sacred Hunt is no ordinary publication in defense of hunting. In our rationalistic and reductionistic age, Dr. Eaton takes us on a path of mystery, of wonder, and of the heart. He doesn’t spend time talking about the facts of hunting that we hear so much about, such as how hunters reduce crop damage and property damage, purchase habitat, etc. Dr. Eaton mentions these facts, but they do not take center stage in his defense of hunting. Instead, he introduces the reader, who most likely has been overwhelmed by the isolation caused by the modern technological world, to an emotional or spiritual defense of hunting.

As an anthology, the book resists an easy step-by-step description of its contents. The reader can be quickly moved from reading a story about a first hunt to free verse poetry in just a couple of pages. For the purpose of this review, I divide the book up into two sections. But the reader should understand that my division is rather arbitrary. The first two-thirds of the book teaches us about our present emptiness and why hunting helps connect us to the earth. Dr. Eaton provides numerous stories, quotes and comments about the whole hunting experience. The second portion of the book provides some excellent critiques of the animal rights philosophy. The author does a fine job demonstrating how vacuous the animal rights position really is.

It is difficult for me to properly discuss the first portion of the book. Dr. Eaton talks about the world and its creatures in a manner that is very foreign to me. I reject the notion that my difficulties with his words stem from my being a child of the technological revolution. I love trapping, nature, and reading about the proper utilization of our natural resources. My problem stems directly from my belief in Jesus as the one and only savior of the world. As a monotheist, I don’t believe in praying to the spirit of the deer to ask forgiveness for killing it. Nor do I pray to thank the deer for giving himself to me to kill. To Christians, the deer is owned by God. I thank Him for giving me the deer. So I want the reader to know that I strongly disagree with the New Age religious beliefs of the writer. I do not believe that a new earth religion is necessary to save the world from ecological devastation. Nor do I believe that our loss of hunting is necessarily the cause of our ecological predicament (although I agree that our loss of connection to the earth has assisted).

I don’t want my review to devolve into a theological controversy; it wouldn’t be fair to Dr. Eaton or to the readers of this review. So let me say that if you desire a view of hunting from a New Age, Indian, or Shamanistic perspective, this is a text for you. But like many New Age concepts, Dr. Eaton doesn’t just give us pure primitive religion theology. He blends those ideas with modern concepts in psychology and with Zen Buddhist beliefs. Some of this blending may occur from a desire to make the ideas more understandable to the modern mind. But I think the ideas are transformed because New Age beliefs are constantly mutating according to the experiences of the participants.

I believe there are three areas where this text really shines forth. The first is its discussion of the inner thoughts and emotions of the hunter.

The third notable area in this book centers on the author’s criticism of what he calls the anti-hunting movement. Here again, he doesn’t get into a debate over the facts; he seems to instinctively know that facts aren’t the problem. The problem is differences in our emotional side.

He also suggests that sociologists should study juvenile delinquents to see how many of them actually had any experience hunting. He believes that most have not. This study would be a great antidote to recent animal activist suggestions that people who kill animals will eventually hurt people.

Continued on page 5, col. 1
NADCA QUESTIONNAIRE

Please complete and return the questionnaire by **February 15, 2000**. Your input and comments are valued and are essential for helping provide guidance and direction to the future of NADCA. Responses to this questionnaire will be printed in the next (March/April) issue of *The Probe*. Thank you in advance for taking the time to respond.

1. Are you currently a NADCA member? ................................................................. ___Yes ___No

2. If so, how long have you been a member? ...................................................... ______ Year(s)

3. Are you planning to renew your membership for year 2000? .............................. ___Yes ___No

4. What is your primary occupation or affiliation? *(check only one)*
   - Agriculture
   - USDA-APHIS-Wildlife Services
   - USDA - Extension Service
   - Federal, not APHIS or Extension
   - Foreign
   - Nuisance Wildlife Control Operator
   - ADC Equipment / Supplies
   - Retired
   - State Agency
   - Trapper
   - University
   - Other: (describe)

5. Are you currently a member of any of the below organizations, subscribe to, or receive the following publications?
   - The Wildlife Society  Yes  No
   - Wildlife Damage Management Working Group (TWS)  Yes  No
   - National Nuisance Wildlife Control Operators Association  Yes  No
   - Local/State Nuisance Wildlife Control Associations  Yes  No
   - National Trappers Association  Yes  No
   - State Trappers Association  Yes  No
   - The Trapper and Predator Caller  Yes  No
   - Other (please indicate):

6. Is NADCA due for a change? If so, in what direction would you like to see it go? _______________________________________________________________

7. Should NADCA disband? ..................................................................................... ___Yes ___No

8. Would you support a small dues increase to generate funds needed to continue NADCA?  ___Yes ___No

9. Should NADCA merge with another organization if dues cannot support its cost? .......... ___Yes ___No

If “yes,” with what organization(s) should we consider merging? _______________________________________________________________

10. Would you support printing *The Probe* once every 2 months (6 issues per year) instead of the current rate of 12 issues per year in, order to reduce costs? ................................................................. ___Yes ___No

11. Is *The Probe* currently meeting your needs and expectations? .............................. ___Yes ___No

12. What comments, changes, or suggestions would you make to *The Probe* to improve its quality and make it more responsive to your needs and expectations? _______________________________________________________________

13. Would you consider serving as a Regional Director or holding an Officer Position? ........ ___Yes ___No

14. COMMENTS *(Please use this space for any other comments or suggestions)*

__________________________________________________________________________

__________________________________________________________________________

Your name (Optional): ________________________________________________________

*** Please fold so the address is outside, tape shut, affix a 33-cent stamp, and mail by **February 15** ***
NATIONAL ANIMAL DAMAGE CONTROL ASSOCIATION

2000 Membership Directory

OFFICERS*
President: Robert H. Schmidt - UT
Vice President (East): Pete Butchko - MI
Vice President (West): Mark Collinge - ID
Secretary: Richard B. Chipman - VT
Treasurer: Grant Huggins - OK

REGIONAL DIRECTORS*
1 Western (AK, CA, HI, NV, OR, WA)
2 Southwest (AZ, CO, NM, UT)
3 Northern Rockies (ID, MT, WY)
4 Southern (AR, LA, OK, TX)
5 Northern Plains (IA, KS, MN, MO, NE, ND, SD)
6 Great Lakes (IL, IN, MI, OH, WI)
7 Northeastern (CT, PA, RI, MA, ME, NH, NJ, NY, VT)
8 Centraleastern (DC, DE, MD, NC, SC, VA, WV)
9 Southeastern (AL, FL, GA, KY, MS, TN)
0 (Foreign/Agency Liaison)

At-Large
Probe Editor:
Diane deLorimier - Salinas, CA
Gary Witmer - Fort Collins, CO
George Graves - Boise, ID
James Gallaspy - Mansfield, LA
James Luchsinger - Lincoln, NE
Mike Dwyer - Columbus, OH
Jerry Pickel - Red Lion, PA
-- vacant --
Tommy King - Mississippi State, MS
-- vacant --
Eugene LeBoeuf - Edgewood, NM
Robert Timm - Hopland, CA

*officers and directors from 1998/1999 are remaining in place until an election for the term 2000/2001 is conducted.

Membership Class
A - Active  P - Patron  S - Sponsor  T - Student

Membership Type
A - APHIS  O - Other  T - Trapper
E - ADC Equipment/Supplies  P - Pest Control Operator  U - University
G - Agriculture  R - Retired  W - Nuisance Wildlife Control
N - Foreign  S - State  X - USDA - Extension Service

MEMBERS

<table>
<thead>
<tr>
<th>Name</th>
<th>City/State</th>
<th>Address</th>
<th>City/State</th>
<th>Class Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aderman</td>
<td></td>
<td>P. O. Box 1124</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Alexander</td>
<td></td>
<td>203 W. Vinyard</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Andelt</td>
<td></td>
<td>CO State Univ.</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Anderson</td>
<td></td>
<td>Ft. Collins</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Angermaier</td>
<td></td>
<td>Ignacio</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Ansel</td>
<td></td>
<td>Wading River</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Archuleta</td>
<td></td>
<td>Stevens</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>84 Sylvan Drive</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>142 E. Church St.</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4807 Greenleaf Cir., Ste. H</td>
<td></td>
<td>A</td>
</tr>
</tbody>
</table>

Class Type:
A - Active  O - Other  P - Patron  S - Sponsor  T - Student  U - University  W - Nuisance Wildlife Control  X - USDA - Extension Service
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Class</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bailey</td>
<td>Anim. Capture &amp; Removal</td>
<td>PO Box 1465</td>
<td>Dixon</td>
<td>CA</td>
<td>95620</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Baker</td>
<td></td>
<td>247 West Brook</td>
<td>Midland</td>
<td>MI</td>
<td>48040</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Barden</td>
<td></td>
<td>7 Darby Field</td>
<td>Lee</td>
<td>NH</td>
<td>03824</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Barker</td>
<td></td>
<td>10436 132nd Ave.</td>
<td>Kirkland</td>
<td>WA</td>
<td>98033-4750</td>
<td></td>
<td>E</td>
</tr>
<tr>
<td>Barton</td>
<td></td>
<td>P. O. Box 135</td>
<td>Maypear</td>
<td>TX</td>
<td>76064</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Bauhof</td>
<td>Remedy Pest Control</td>
<td>402-A W. Taylor Ave.</td>
<td>Round Rock</td>
<td>TX</td>
<td>78664</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Baylis</td>
<td>Wildlife Nuisance Ctrl.</td>
<td>P. O. Box 157</td>
<td>Maryland</td>
<td>NY</td>
<td>12116</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Becker</td>
<td>Mole Patrol</td>
<td>1496 Bates Rd</td>
<td>Sinclairville</td>
<td>NY</td>
<td>14782</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Beckerman</td>
<td>USDA/APHIS/WS</td>
<td>W7231, Hwy 49</td>
<td>Waupun</td>
<td>WI</td>
<td>53963</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Beeman</td>
<td>Avian Pest Control</td>
<td>777 Moraga Rd.</td>
<td>Lafayette</td>
<td>CA</td>
<td>94549</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Benedetto</td>
<td></td>
<td>P.O. Box 60</td>
<td>Wakefield</td>
<td>MA</td>
<td>01880</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Benzo</td>
<td></td>
<td>1906 Sunset Ave.</td>
<td>Utica</td>
<td>NY</td>
<td>13502</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Bernethy</td>
<td></td>
<td>Box 522</td>
<td>Sultan</td>
<td>WA</td>
<td>98294-0522</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Bierschwale</td>
<td></td>
<td>P. O. Box 173</td>
<td>Medina</td>
<td>TX</td>
<td>78055</td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>Birchfield</td>
<td></td>
<td>P. O. Box 37</td>
<td>Roaring Spring</td>
<td>TX</td>
<td>79256-0037</td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>Bohnig</td>
<td></td>
<td>P. O. Box 441</td>
<td>Prescott</td>
<td>AZ</td>
<td>86302-0441</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Bonnheim</td>
<td></td>
<td>12820 Chimney Rock Rd.</td>
<td>Paso Robles</td>
<td>CA</td>
<td>93446</td>
<td></td>
<td>G</td>
</tr>
<tr>
<td>Booth Jr.</td>
<td>Thurman W.</td>
<td>604 Indian Bay</td>
<td>Sherwood</td>
<td>AR</td>
<td>72120-3455</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Brabant</td>
<td></td>
<td>47 Roslyn St.</td>
<td>Rochester</td>
<td>NY</td>
<td>14619-1824</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Brown</td>
<td></td>
<td>4904 Overton Ave.</td>
<td>Ft. Worth</td>
<td>TX</td>
<td>76133</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Brown</td>
<td></td>
<td>1921 Park Summit Rd.</td>
<td>Apex</td>
<td>NC</td>
<td>27502</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Brown</td>
<td>Nuisance Wildl. Control</td>
<td>6628 Austin Lane</td>
<td>Webster</td>
<td>WI</td>
<td>54893</td>
<td></td>
<td>T</td>
</tr>
<tr>
<td>Bruce</td>
<td></td>
<td>3421 Gari Lane</td>
<td>Schenectady</td>
<td>NY</td>
<td>12303</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Bryson</td>
<td></td>
<td>5440 Pilot View</td>
<td>Pilot Hill</td>
<td>CA</td>
<td>95664</td>
<td></td>
<td>G</td>
</tr>
<tr>
<td>Bulman</td>
<td></td>
<td>912 62nd Avenue</td>
<td>Tacoma</td>
<td>WA</td>
<td>98422-3817</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Burke</td>
<td></td>
<td>317 51st Ave.</td>
<td>N. Myrtle Beach</td>
<td>SC</td>
<td>29582</td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>Burns</td>
<td></td>
<td>5615 N. 7th St</td>
<td>Kalamazoo</td>
<td>MI</td>
<td>49009-8837</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Butchoke</td>
<td></td>
<td>2803 Jolly Rd.</td>
<td>Okemos</td>
<td>MI</td>
<td>48864</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>CA Dept Food &amp; Agric.</td>
<td>Plant Pest Diagnostic Ctr.</td>
<td>3294 Meadowview</td>
<td>Sacramento</td>
<td>CA</td>
<td>95832-1437</td>
<td></td>
<td>S</td>
</tr>
<tr>
<td>Campbell</td>
<td></td>
<td>5201 Gifford Rd</td>
<td>Olympia</td>
<td>WA</td>
<td>98512</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>Carnahan</td>
<td></td>
<td>12465 S. 87th Ave.</td>
<td>Bixby</td>
<td>OK</td>
<td>74008-2917</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Carroll</td>
<td></td>
<td>W5657 County R</td>
<td>Mauson</td>
<td>WI</td>
<td>53948-9602</td>
<td></td>
<td>T</td>
</tr>
<tr>
<td>Catania</td>
<td></td>
<td>PO Box 1142</td>
<td>Moorpark</td>
<td>CA</td>
<td>93020</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>Catrina</td>
<td></td>
<td>1621 Irwin Ave</td>
<td>Escalon</td>
<td>CA</td>
<td>95320</td>
<td></td>
<td>W</td>
</tr>
<tr>
<td>Chambers</td>
<td></td>
<td>5815 Highway 35</td>
<td>Parkdale</td>
<td>OR</td>
<td>97041</td>
<td></td>
<td>P</td>
</tr>
<tr>
<td>Chimoski</td>
<td></td>
<td>P. O. Box 403</td>
<td>Suttons Bay</td>
<td>MI</td>
<td>49682</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Chipman</td>
<td></td>
<td>259 Schoduck Dr.</td>
<td>Castleton</td>
<td>NY</td>
<td>12033</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Christiansen</td>
<td></td>
<td>407 West Saint John</td>
<td>San Jose</td>
<td>CA</td>
<td>95110-2301</td>
<td></td>
<td>S</td>
</tr>
<tr>
<td>Christie</td>
<td></td>
<td>1352 Wild Rose Pl.</td>
<td>W. Terre Haute</td>
<td>IN</td>
<td>47885-9146</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Christopher</td>
<td></td>
<td>P. O. Box 4677</td>
<td>Stockton</td>
<td>CA</td>
<td>95204</td>
<td></td>
<td>P</td>
</tr>
<tr>
<td>Clark</td>
<td></td>
<td>9435 E. Cherry Bend Rd.</td>
<td>Traverse City</td>
<td>MI</td>
<td>49684</td>
<td></td>
<td>S</td>
</tr>
<tr>
<td>Clucas</td>
<td></td>
<td>1725 Highway 14</td>
<td>Shell</td>
<td>WY</td>
<td>82441-9601</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Collinge</td>
<td></td>
<td>9134 W. Blacke</td>
<td>Boise</td>
<td>ID</td>
<td>83709</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Connolly</td>
<td></td>
<td>8080 W. 22nd Ave.</td>
<td>Lakewood</td>
<td>CO</td>
<td>80215-1802</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Conover</td>
<td></td>
<td>17030 Maramount St SE</td>
<td>Logan</td>
<td>UT</td>
<td>84322-5210</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Consoloni</td>
<td></td>
<td>407 Weaver Loop</td>
<td>Monroe</td>
<td>WA</td>
<td>98272-2623</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Cooper</td>
<td></td>
<td>3122 W. Marshall Ste 212</td>
<td>Richmond</td>
<td>VA</td>
<td>23230-4734</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Cornwell</td>
<td></td>
<td>130 Jefferson Point Ln. #2B</td>
<td>Newport News</td>
<td>VA</td>
<td>23602</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Corr</td>
<td></td>
<td>37768 226th St.</td>
<td>Wessington Sprg</td>
<td>SD</td>
<td>57382</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Cromwell</td>
<td></td>
<td>13851 Chula Rd</td>
<td>Amelia</td>
<td>VA</td>
<td>23002</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Crowder</td>
<td></td>
<td>241 Worley Dr.</td>
<td>Bristol</td>
<td>TN</td>
<td>37620-7705</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Curnow</td>
<td></td>
<td>1981 S. Estes</td>
<td>Lakewood</td>
<td>CO</td>
<td>80227</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Curtis</td>
<td></td>
<td>4081 Watervale</td>
<td>Manlius</td>
<td>NY</td>
<td>13104</td>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Name</td>
<td>First</td>
<td>Last</td>
<td>Affiliation</td>
<td>Address</td>
<td>City</td>
<td>State</td>
<td>Class</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------</td>
<td>------------</td>
<td>--------------------------------------</td>
<td>--------------------------------</td>
<td>---------------</td>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>Daniotti</td>
<td>Richard</td>
<td>Wildlife Control Service</td>
<td>172 Crystal Lake Dr.</td>
<td>Tolland</td>
<td>CT</td>
<td>06084</td>
<td>A</td>
</tr>
<tr>
<td>Davis</td>
<td>Jan</td>
<td></td>
<td>200 S. Minnesota</td>
<td>Colton</td>
<td>SD</td>
<td>57018</td>
<td>A</td>
</tr>
<tr>
<td>DeLormier</td>
<td>Diane</td>
<td></td>
<td>746 Vertin Ave.</td>
<td>Salinas</td>
<td>CA</td>
<td>93901-4583</td>
<td>A</td>
</tr>
<tr>
<td>DeNicola</td>
<td>Anthony J.</td>
<td></td>
<td>54 Grandview Ave.</td>
<td>Hamden</td>
<td>CT</td>
<td>06514-3515</td>
<td>A</td>
</tr>
<tr>
<td>Dixon</td>
<td>Charles</td>
<td></td>
<td>605 Airways Blvd</td>
<td>Jackson</td>
<td>TN</td>
<td>38301-3201</td>
<td>A</td>
</tr>
<tr>
<td>Dodson</td>
<td>Monte</td>
<td></td>
<td>PO Box 12</td>
<td>Cookson</td>
<td>OK</td>
<td>74427</td>
<td>A</td>
</tr>
<tr>
<td>Dolbeer</td>
<td>Richard A.</td>
<td></td>
<td>1228 Laguna Dr.</td>
<td>Huron</td>
<td>OH</td>
<td>44839-2607</td>
<td>A</td>
</tr>
<tr>
<td>Dudley</td>
<td>David C.</td>
<td></td>
<td>HC67 Box 900</td>
<td>Antlers</td>
<td>OK</td>
<td>74523</td>
<td>A</td>
</tr>
<tr>
<td>Dwyer</td>
<td>Mike</td>
<td></td>
<td>1421 North Star Rd.</td>
<td>Columbus</td>
<td>OH</td>
<td>43212</td>
<td>A</td>
</tr>
<tr>
<td>Edgerton</td>
<td>Wayne</td>
<td>Minn Dep Nat Res.</td>
<td>6494 Robin Way</td>
<td>Mechanicsville</td>
<td>VA</td>
<td>23111-4452</td>
<td>A</td>
</tr>
<tr>
<td>Eggborn</td>
<td>Wm. Philip</td>
<td></td>
<td>P. O. Box 461</td>
<td>Kearney</td>
<td>MO</td>
<td>64060-0461</td>
<td>A</td>
</tr>
<tr>
<td>Ervin</td>
<td>Doug</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fagerstone</td>
<td>Kathleen</td>
<td>USDA/APHIS/WS</td>
<td>4101 LaPorte Ave.</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80521-2154</td>
<td>A</td>
</tr>
<tr>
<td>Faler</td>
<td>Mike</td>
<td>Critter Control</td>
<td>870 W. 3rd Ave.</td>
<td>Columbus</td>
<td>OH</td>
<td>43212</td>
<td>A</td>
</tr>
<tr>
<td>Fall</td>
<td>Michael W.</td>
<td></td>
<td>3925 La Mesa Dr.</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80524-9530</td>
<td>A</td>
</tr>
<tr>
<td>Faulkner</td>
<td>Clarence</td>
<td></td>
<td>710 Jenny Lind Dr.</td>
<td>Harpers Ferry</td>
<td>WV</td>
<td>25425-9603</td>
<td>A</td>
</tr>
<tr>
<td>Fennell</td>
<td>Joe</td>
<td>R. D. 1 Box 357</td>
<td></td>
<td>Chicora</td>
<td>PA</td>
<td>16025</td>
<td>A</td>
</tr>
<tr>
<td>Forbes</td>
<td>James</td>
<td>E</td>
<td>409 Norwood Court</td>
<td>Fort Myers</td>
<td>FL</td>
<td>33919</td>
<td>A</td>
</tr>
<tr>
<td>Ford</td>
<td>Homer S.</td>
<td></td>
<td>1501 NW 189th St.</td>
<td>Ridgefield</td>
<td>WA</td>
<td>98642-9692</td>
<td>A</td>
</tr>
<tr>
<td>Fossler</td>
<td>Louanne</td>
<td></td>
<td>800 Myrtle St.</td>
<td>Hattiesburg</td>
<td>MS</td>
<td>39401-4851</td>
<td>A</td>
</tr>
<tr>
<td>Foster</td>
<td>H. Alan</td>
<td></td>
<td>P. O. Box 55</td>
<td>Grand Junction</td>
<td>CO</td>
<td>81502-0551</td>
<td>A</td>
</tr>
<tr>
<td>Francoeur</td>
<td>Laura</td>
<td>JFK Int'l. Airport</td>
<td>Building 14, 2nd Floor</td>
<td>Jamaica</td>
<td>NY</td>
<td>11430</td>
<td>A</td>
</tr>
<tr>
<td>Free</td>
<td>Robert H.</td>
<td>Milw. Health Dept.</td>
<td>5201 S. 20th St.</td>
<td>Milwaukee</td>
<td>WI</td>
<td>53221-3853</td>
<td>A</td>
</tr>
<tr>
<td>Gallaspy</td>
<td>James R.</td>
<td></td>
<td>282 Wise Rd.</td>
<td>Mansfield</td>
<td>LA</td>
<td>71052</td>
<td>A</td>
</tr>
<tr>
<td>Gauvry</td>
<td>Glenn</td>
<td></td>
<td>2012 S. Bayshore Dr.</td>
<td>Milton</td>
<td>DE</td>
<td>19968</td>
<td>A</td>
</tr>
<tr>
<td>Giles</td>
<td>Robert H.</td>
<td></td>
<td>504 Rose Avenue</td>
<td>Blacksburg</td>
<td>VA</td>
<td>24060</td>
<td>A</td>
</tr>
<tr>
<td>Glass</td>
<td>J. Harris</td>
<td></td>
<td>3 Whites Lane</td>
<td>Newport News</td>
<td>VA</td>
<td>23606-2671</td>
<td>A</td>
</tr>
<tr>
<td>Godfrey</td>
<td>Michael E.</td>
<td></td>
<td>1101 W Army Post Rd. #D</td>
<td>Des Moines</td>
<td>IA</td>
<td>50315</td>
<td>A</td>
</tr>
<tr>
<td>Godwin</td>
<td>Kris</td>
<td></td>
<td>610 Hospital Rd.</td>
<td>Starkville</td>
<td>MS</td>
<td>39759</td>
<td>A</td>
</tr>
<tr>
<td>Goldstein</td>
<td>Mike</td>
<td>Woodstream Corp.</td>
<td>69 N. Locust St.</td>
<td>Litzitz</td>
<td>PA</td>
<td>17543</td>
<td>A</td>
</tr>
<tr>
<td>Good</td>
<td>Faye</td>
<td></td>
<td>296 Box</td>
<td>circle</td>
<td>MT</td>
<td>59215-0296</td>
<td>S</td>
</tr>
<tr>
<td>Goodyear</td>
<td>James J.</td>
<td></td>
<td>401 M Street So.</td>
<td>Washington</td>
<td>DC</td>
<td>20460-0001</td>
<td>A</td>
</tr>
<tr>
<td>Graves</td>
<td>George E.</td>
<td></td>
<td>9134 W. Blackeagle Dr.</td>
<td>Boise</td>
<td>ID</td>
<td>83709</td>
<td>A</td>
</tr>
<tr>
<td>Grez</td>
<td>Darrell</td>
<td></td>
<td>171 South Benton St.</td>
<td>Lakewood</td>
<td>CO</td>
<td>80226-2420</td>
<td>A</td>
</tr>
<tr>
<td>Gustad</td>
<td>Kirk E.</td>
<td></td>
<td>2869 Via Verde Dr.</td>
<td>Springfield</td>
<td>IL</td>
<td>62703-4325</td>
<td>A</td>
</tr>
<tr>
<td>Guthrie</td>
<td>Richard D.</td>
<td></td>
<td>P. O. Box 3052</td>
<td>Early</td>
<td>TX</td>
<td>76803-3052</td>
<td>A</td>
</tr>
<tr>
<td>Hadidian</td>
<td>John</td>
<td>HSUS</td>
<td>2100 L Street NW</td>
<td>Washington</td>
<td>DC</td>
<td>20037</td>
<td>A</td>
</tr>
<tr>
<td>Hall</td>
<td>Douglas I.</td>
<td></td>
<td>1161 Crooked Creek Rd.</td>
<td>Watkinsville</td>
<td>GA</td>
<td>30677</td>
<td>A</td>
</tr>
<tr>
<td>Hansmire</td>
<td>Julie</td>
<td>Campbell Hansmire</td>
<td>P. O. Box 100</td>
<td>Mack</td>
<td>CO</td>
<td>81525</td>
<td>A</td>
</tr>
<tr>
<td>Hawthorne</td>
<td>Donald W.</td>
<td></td>
<td>P. O. Box 1126</td>
<td>Cache</td>
<td>OK</td>
<td>73527</td>
<td>A</td>
</tr>
<tr>
<td>Heatherly</td>
<td>Bill</td>
<td>MO Dept. of Cons.</td>
<td>P. O. Box 180</td>
<td>Jefferson City</td>
<td>MO</td>
<td>65102-1080</td>
<td>A</td>
</tr>
<tr>
<td>Heft</td>
<td>David L.</td>
<td></td>
<td>P. O. Box 1823</td>
<td>Socorro</td>
<td>NM</td>
<td>87801-1823</td>
<td>A</td>
</tr>
<tr>
<td>Heinrich</td>
<td>Helen H.</td>
<td></td>
<td>71 Green Village Rd.</td>
<td>Madison</td>
<td>NJ</td>
<td>07940</td>
<td>A</td>
</tr>
<tr>
<td>Helle</td>
<td>Joe T.</td>
<td></td>
<td>1100 Stone Creek Rd.</td>
<td>Dillon</td>
<td>MT</td>
<td>59725</td>
<td>A</td>
</tr>
<tr>
<td>Hess</td>
<td>Mark G.</td>
<td>Wild Pest Control</td>
<td>5036 Lexington St.</td>
<td>Erie</td>
<td>PA</td>
<td>16509-1939</td>
<td>A</td>
</tr>
<tr>
<td>Hodge</td>
<td>Gary</td>
<td></td>
<td>3666 Crabill Rd.</td>
<td>Springfield</td>
<td>OH</td>
<td>45502-9346</td>
<td>A</td>
</tr>
<tr>
<td>Holper</td>
<td>Jeffrey H.</td>
<td>Holper's Pest Control</td>
<td>9703 Gravois St.</td>
<td>St. Louis</td>
<td>MO</td>
<td>63123-4346</td>
<td>A</td>
</tr>
<tr>
<td>Hoover</td>
<td>Jim</td>
<td></td>
<td>PO Box 171</td>
<td>Columbus</td>
<td>MT</td>
<td>59019</td>
<td>A</td>
</tr>
<tr>
<td>Houck</td>
<td>Brandon J.</td>
<td></td>
<td>250 Road 392</td>
<td>Allen</td>
<td>KS</td>
<td>66833</td>
<td>T</td>
</tr>
<tr>
<td>Howard</td>
<td>Walter E.</td>
<td></td>
<td>24 College Park</td>
<td>Davis</td>
<td>CA</td>
<td>95616</td>
<td>A</td>
</tr>
<tr>
<td>Huber</td>
<td>Scott</td>
<td></td>
<td>Box 156</td>
<td>Kadoka</td>
<td>SD</td>
<td>57543-0156</td>
<td>A</td>
</tr>
<tr>
<td>Huggins</td>
<td>J. Grant</td>
<td></td>
<td>P.O. Box 2180</td>
<td>Ardmore</td>
<td>OK</td>
<td>73402</td>
<td>A</td>
</tr>
</tbody>
</table>
Jackson William B. 315 Donbar Dr. Bowling Green OH 43402-2716 A U
Jacobson Robert HY-C Company 2107 N. 14th St. St. Louis MO 63106-4196 S E
Jahn Laurence R. 2435 Riviera Dr. Vienna VA 22181-3120 A R
Jezeck Gene Critter Control 8625 Lackland St. Louis MO 63114 S W
Johansen Chris 46 Burgher Road West Shokan NY 12494 A W
Johnson Dr. Ron J. 6320 Oaks Hollow Lincoln NE 68516-3752 A U
Jones Wesley R. W8773 Pond View Dr. Shell Lake WI 54871 A R
Joseph Bartheil Reed Joseph Int'l. P. O. Box 894 Greenville MS 38702 P E
Kaiser Paul J. Wildlife Pest Control PO Box 36 Erie PA 16512-0036 A W
Kennard Carson L. 514 Equitation Ln. Felton DE 19943-2727 A W
Kincaid Stephen P. 15 Lakeview Dr. Woodstown NJ 08098-2081 A O
King Tommy P. O. Drawer 6290 Miss. St. Univ MS 39762-6290 A A
Lacey Shana M. 33 Grover Lane E. Northport NY 11731 A W
Lara Alex R. 7 Hendrix Lane Los Lunas NM 87031-6917 A A
Larson Gary E. 3322 West End Ave Ste 301 Nashville TN 37203-1071 A A
LeBoeuf Eugene A. 84 Square H Road Edgewood NM 87015 S O
Lee Charles Rm. 127 Call Hall Kansas State Univ. Manhattan KS 66506 A X
Lee-Sasser Marisa K. 545 Tippens Eddy Rd. Brewton AL 36426 A X
Leland Bruce 324 Mesa Lane West Columbia SC 29170-2707 A A
Linhart Sam 1910 Shoreline Grayson GA 30221 A R
Linn Jonathan W. ADC by Trapper Jon 2704 S. Glennwood Independence MO 64052-1337 A W
Lovell Charles D. USDA-APHIS-WS 126 Boardman-Poland Rd. Youngstown OH 44512 A A
Luchinger James C. 7100 Beaver Hollow Cir. Lincoln NE 68516 A A
Lunning Damien 1224 N. Gerber Mio MI 48647 A T
Lynch Jennifer 855 N. 700 East Logan UT 84321 A A
Madsen C. R. "Pink" P. O. Box 648 Florence AZ 85232 A R
Maestrilli John 561 S. Harvest Ln. Sun Prairie WI 53590-3407 A A
Majetic Steve Critter Control P. O. Box 222 Glenshaw PA 15116 A W
Mantel Ted 5456 South Blvd. Maple Heights OH 44137 A W
Marley Jeff Margo Supplies Box 5400, High River, Alberta, CANADA T1V 1M Davis CA 95616-1806 A R
Marsh Rex 549 Reed Drive Logan UT 84321 A A
Martinez Jorge Col. Puente De Vegas No. 22 Loc-9, Tlahpanza, MEXICO 54090 A E
Mason Russ BNR-163 1210W / 3505 Logan UT 84321 A A
Mastrangelo Philip 2110 Miriam Cir. Bismarck ND 58501-2502 A A
McLean Daniel C. Commonwealth Wildl. Ctrl. 1 Richard Street North Revere MA 02151 A W
McNeely Scott Wilson Pest Control P. O. Box 1265 Winston-Salem NC 27104-1265 A P
McWilliams Scott PO Box 138 West Plains MO 65775-0138 A W
Megargel Vincent C. 67 Center Avenue Mt. Pocono PA 18344-1641 A W
Melbar Therese 3105 Belle Terr. Bakersfield CA 93304-4105 T U
Merrifield Alan Urban Wildlife Mgmt. P. O. Box 90 Burlingame CA 94011 A W
Miller G. Jude 48058 LA Hwy 437 Enon LA 70438-4176 A W
Miller James E. USDA-CSREES/NR Room 829 Aerospace Ctr. Washington DC 20250-2210 A X
Mott Donald F. 1710 Hunts Lane Bowling Green KY 42103 A R
Mulligan Tim Vector Control Dist. 976 Lenzen Ave. San Jose CA 95126 A O
Nelson Willard & Alice 13900 SW 102nd St. Tigard OR 97223-4904 S R
Oldenburg J. Gary Alpine Animal Control 5035 70th NE Olympia WA 98516 A A
Oleyar Claude Alpine Animal Control 1362 Hillcrest Ave. Colorado Springs CO 80909-3622 A W
<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Department</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Class</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palacios</td>
<td>S. J. &amp; J.E. Quinney</td>
<td>Ntrl Resources Library</td>
<td>Logan</td>
<td>UT</td>
<td>84322-5260</td>
<td>A</td>
<td>O</td>
</tr>
<tr>
<td>Palmateer</td>
<td>Steve</td>
<td>5156 Dumfries</td>
<td>Warrenton</td>
<td>VA</td>
<td>20187-8925</td>
<td>A</td>
<td>R</td>
</tr>
<tr>
<td>Parkhurst</td>
<td>James A.</td>
<td>110 Cheatham Hall</td>
<td>Blacksburg</td>
<td>VA</td>
<td>24061-0321</td>
<td>A</td>
<td>U</td>
</tr>
<tr>
<td>Parra</td>
<td>Allen</td>
<td>P. O. Drawer 619428</td>
<td>DFW Airport</td>
<td>TX</td>
<td>75261-9428</td>
<td>A</td>
<td>O</td>
</tr>
<tr>
<td>Patrick</td>
<td>Wes</td>
<td>3908 E. Morrow</td>
<td>Phoenix</td>
<td>AZ</td>
<td>85050-6332</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Pearson</td>
<td>Barry B.</td>
<td>HCR 1 Box 74</td>
<td>Wilcox</td>
<td>AZ</td>
<td>85643</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Penrod</td>
<td>Stewart</td>
<td>4101 La Port Ave.</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80521</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Penrod</td>
<td>Edward B.</td>
<td>2990 H. Cheek Rd.</td>
<td>Columbia</td>
<td>TN</td>
<td>38401</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Peterson</td>
<td>Berkeley R.</td>
<td>10913 Maple Grove</td>
<td>Oklahoma City</td>
<td>OK</td>
<td>73120-5121</td>
<td>A</td>
<td>R</td>
</tr>
<tr>
<td>Pickel</td>
<td>Jerry L.</td>
<td>203 N Main St.</td>
<td>Red Lion</td>
<td>PA</td>
<td>17405-0642</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Pickle</td>
<td>John H.</td>
<td>P. O. Box 7190</td>
<td>Madison</td>
<td>WI</td>
<td>53707-7190</td>
<td>A</td>
<td>G</td>
</tr>
<tr>
<td>Plann</td>
<td>Dennis</td>
<td>1730 South Maple Ave.</td>
<td>Fresno</td>
<td>CA</td>
<td>93702-4516</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Pocatello Supply Depot</td>
<td>238 E. Dillon</td>
<td>Fresno Cty. Ag Dept.</td>
<td>Fresno</td>
<td>CA</td>
<td>93702-4516</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Post</td>
<td>Michael S.</td>
<td>140 N. Isabel St.</td>
<td>Glendale</td>
<td>CA</td>
<td>91206-4382</td>
<td>A</td>
<td>S</td>
</tr>
<tr>
<td>Pugh</td>
<td>Timothy L.</td>
<td>110 N. Taylor Ave.</td>
<td>Pierre</td>
<td>SD</td>
<td>57501</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Pulk</td>
<td>Herbert</td>
<td>East River Road Box 50</td>
<td>Pembroke</td>
<td>ME</td>
<td>04666-0050</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Purwin</td>
<td>David J.</td>
<td>5405 West Sunset Rd.</td>
<td>Tucson</td>
<td>AZ</td>
<td>85743</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Reger</td>
<td>Jason S.</td>
<td>5250 Old Virg. Springs Rd</td>
<td>Roanoke</td>
<td>VA</td>
<td>24014</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Reid</td>
<td>Robert S.</td>
<td>529 Plymouth Rd.</td>
<td>Plymouth Meeting</td>
<td>PA</td>
<td>19462</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Reigle</td>
<td>Alfred F.</td>
<td>5500 Genesea Rd.</td>
<td>Lancaster</td>
<td>NY</td>
<td>14086</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Rena</td>
<td>Joseph P.</td>
<td>135 Belcher St.</td>
<td>Holbrook</td>
<td>MA</td>
<td>02343</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Ressel</td>
<td>Roy</td>
<td>1700 Third St.</td>
<td>Wichita Falls</td>
<td>TX</td>
<td>76301-2199</td>
<td>A</td>
<td>S</td>
</tr>
<tr>
<td>Richardson</td>
<td>Chad</td>
<td>RR1 Box 19C</td>
<td>Alma</td>
<td>KS</td>
<td>66491-9702</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Rosdahl</td>
<td>Dave</td>
<td>2437 Merrywood Rd.</td>
<td>Columbia</td>
<td>SC</td>
<td>29210</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Rost</td>
<td>George</td>
<td>P. O. Box 108</td>
<td>Cedar Crest</td>
<td>NM</td>
<td>87008-0108</td>
<td>A</td>
<td>R</td>
</tr>
<tr>
<td>Rounds</td>
<td>Burton W.</td>
<td>1426 Yellowstone Ave.</td>
<td>Billings</td>
<td>MT</td>
<td>59102</td>
<td>A</td>
<td>R</td>
</tr>
<tr>
<td>Rousselot</td>
<td>Norman</td>
<td>126 Edgemont Rd.</td>
<td>Sonora</td>
<td>TX</td>
<td>76950</td>
<td>A</td>
<td>G</td>
</tr>
<tr>
<td>Rusin</td>
<td>Joseph J.</td>
<td>RR 5 Box 5309</td>
<td>Moscow</td>
<td>PA</td>
<td>18444-8830</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Sabean</td>
<td>Barry</td>
<td>DNR</td>
<td>136 Exhibition, Kentville, Nova Scotia, CANADA</td>
<td>B4N 4E5</td>
<td>A</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td>Salmon</td>
<td>Terrell P.</td>
<td>WFCB, UCD</td>
<td>Davis</td>
<td>CA</td>
<td>95616-8575</td>
<td>A</td>
<td>X</td>
</tr>
<tr>
<td>Savarie</td>
<td>Peter J.</td>
<td>USDA/APHIS/WS</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80521-2154</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Schmidt</td>
<td>Robert</td>
<td>Fish &amp; Wildl., USU</td>
<td>Logan</td>
<td>UT</td>
<td>84322-5210</td>
<td>A</td>
<td>U</td>
</tr>
<tr>
<td>Scott</td>
<td>Dwaine</td>
<td>3710 N. 49th</td>
<td>Durant</td>
<td>OK</td>
<td>74701-1856</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Shivik</td>
<td>John A.</td>
<td>NWRC</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80251-2154</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Simon</td>
<td>Laura J.</td>
<td>PO Box 3665 Amity Sta.</td>
<td>New Haven</td>
<td>CT</td>
<td>06525</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Sincock</td>
<td>John</td>
<td>171 W. Hill Road</td>
<td>Elmira</td>
<td>NY</td>
<td>14905</td>
<td>A</td>
<td>T</td>
</tr>
<tr>
<td>Smith</td>
<td>Art</td>
<td>Dept. of Wildlife, UW</td>
<td>Madison</td>
<td>WI</td>
<td>53706-1598</td>
<td>T</td>
<td>U</td>
</tr>
<tr>
<td>Smith</td>
<td>Patrick L.</td>
<td>1354 Clary Loop Rd.</td>
<td>Akron</td>
<td>AL</td>
<td>35441</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Smolnarz</td>
<td>Bryon</td>
<td>100-25 Queens Blvd. #5JJ</td>
<td>Forest Hills</td>
<td>NY</td>
<td>11375</td>
<td>S</td>
<td>P</td>
</tr>
<tr>
<td>Soper</td>
<td>James L.</td>
<td>P. O. Box 7423</td>
<td>N. Augusta</td>
<td>SC</td>
<td>29861-7423</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Stafford</td>
<td>Kaye</td>
<td>P. O. Box 894</td>
<td>Greenville</td>
<td>MS</td>
<td>38702</td>
<td>P</td>
<td>E</td>
</tr>
<tr>
<td>Steuber</td>
<td>John E.</td>
<td>1402 W. Aries</td>
<td>Edmond</td>
<td>OK</td>
<td>73003-5826</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Stockton</td>
<td>Dale</td>
<td>573 Brooks Road</td>
<td>Castle Creek</td>
<td>NY</td>
<td>13744-1301</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Stoker</td>
<td>Don</td>
<td>2470 So. Fairplay St.</td>
<td>Aurora</td>
<td>CO</td>
<td>80014-2521</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Stopak</td>
<td>Scott</td>
<td>2810 Van Dyke Rd.</td>
<td>Paris</td>
<td>TN</td>
<td>38242-4503</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Storms</td>
<td>Gary</td>
<td>8353 Warbler Way</td>
<td>Liverpool</td>
<td>NY</td>
<td>13090</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Sullivan</td>
<td>Lawrence</td>
<td>325 Bio-Sciences E.</td>
<td>University of Ariz.</td>
<td>Tucson</td>
<td>AZ 85721-0043</td>
<td>A</td>
<td>X</td>
</tr>
<tr>
<td>Swihart</td>
<td>Robert K.</td>
<td>102 Forestry &amp; Nat Res.</td>
<td>Purdue University</td>
<td>West Lafayette</td>
<td>IN 47907-1159</td>
<td>A</td>
<td>U</td>
</tr>
<tr>
<td>Terry</td>
<td>Les</td>
<td>624 Chapelview Dr.</td>
<td>Odenton</td>
<td>MD</td>
<td>21113</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Thomas</td>
<td>Chad J.</td>
<td>2126 SE Jefferson Pl.</td>
<td>Bartlesville</td>
<td>OK</td>
<td>74006</td>
<td>A</td>
<td>W</td>
</tr>
<tr>
<td>Timm</td>
<td>Robert M.</td>
<td>4070 University Rd.</td>
<td>Hopland</td>
<td>CA</td>
<td>95449-9718</td>
<td>A</td>
<td>U</td>
</tr>
<tr>
<td>Tobin</td>
<td>Mark E.</td>
<td>USDA/APHIS/WS</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80521-2154</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Address</td>
<td>City</td>
<td>State</td>
<td>Zip Code</td>
<td>Class</td>
<td>Type</td>
</tr>
<tr>
<td>-----------------</td>
<td>------------------------</td>
<td>----------------------------</td>
<td>---------------</td>
<td>-------</td>
<td>----------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>Tomsa</td>
<td>Thomas N.</td>
<td>201 West Lake Rd.</td>
<td>Hammondsport</td>
<td>NY</td>
<td>14840</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tschirhart</td>
<td>Linda</td>
<td>3170 Sunup Dr.</td>
<td>Bryan</td>
<td>TX</td>
<td>77808</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turner</td>
<td>Joel</td>
<td>790 E Mason Lake Dr. S.</td>
<td>Grapeview</td>
<td>WA</td>
<td>98546</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uhden</td>
<td>Henry R.</td>
<td>WY Dept. of Agric.</td>
<td>Cheyenne</td>
<td>WY</td>
<td>82002-0100</td>
<td>A</td>
<td>S</td>
</tr>
<tr>
<td>Underwood</td>
<td>John</td>
<td>Atlanta Animal Evictions</td>
<td>Atlanta</td>
<td>GA</td>
<td>30325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vahn</td>
<td>Chris</td>
<td>DEP, Wildlife Div'n.</td>
<td>Hartford</td>
<td>CT</td>
<td>06116</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VandenBos</td>
<td>Don</td>
<td>Critter Control</td>
<td>Grand Rapids</td>
<td>MI</td>
<td>49507</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VanDruff</td>
<td>Larry</td>
<td>S. U. N. Y.</td>
<td>Syracuse</td>
<td>NY</td>
<td>13210</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vantassel</td>
<td>Stephen</td>
<td>Wildlife Damage</td>
<td>Springfield</td>
<td>MA</td>
<td>01128</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ver Maas</td>
<td>Vernon L.</td>
<td>544 16th Avenue</td>
<td>Sidney</td>
<td>NE</td>
<td>69162-1229</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>VerCauteren</td>
<td>Kurt C.</td>
<td>NWRC</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80521-2154</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Wager-Page</td>
<td>Shirley</td>
<td>APHIS PPD DS</td>
<td>Riverdale</td>
<td>MD</td>
<td>20737-1237</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Wallace</td>
<td>Dave</td>
<td>Critter Ridder</td>
<td>Kila</td>
<td>MT</td>
<td>59920</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walsh</td>
<td>John</td>
<td>97 Pierce Ave.</td>
<td>Lakeville</td>
<td>MA</td>
<td>02347</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weaver</td>
<td>Keith M.</td>
<td>11720 Sharptown Rd.</td>
<td>Mardela Spring</td>
<td>MD</td>
<td>21837</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Webb</td>
<td>J. Warren</td>
<td>228 W. Tennessee Ave.</td>
<td>Oak Ridge</td>
<td>TN</td>
<td>37830</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weeks</td>
<td>John W.</td>
<td>7505 Parkview</td>
<td>Upper Darby</td>
<td>PA</td>
<td>19082-1513</td>
<td>W</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>Johnny W.</td>
<td>Box 85</td>
<td>Water Valley</td>
<td>TX</td>
<td>76958-0865</td>
<td>R</td>
<td></td>
</tr>
<tr>
<td>Williams</td>
<td>Glenn</td>
<td>NorthEast Nuisance Ctrl.</td>
<td>Constantia</td>
<td>NY</td>
<td>13044</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Witmer</td>
<td>Gary</td>
<td>4101 Laporte Ave.</td>
<td>Fort Collins</td>
<td>CO</td>
<td>80521-2154</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Wolfe</td>
<td>Randall G.</td>
<td>Varmint Busters</td>
<td>Knoxville</td>
<td>TN</td>
<td>37933</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woodruff</td>
<td>Roger</td>
<td>1518 W. Harvard</td>
<td>Shelton</td>
<td>WA</td>
<td>98584</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Woronecki</td>
<td>Paul P.</td>
<td>1608 Seminar</td>
<td>Milan</td>
<td>OH</td>
<td>44846-9470</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>Wresche</td>
<td>Dee</td>
<td>Orkin Pest Control Svc.</td>
<td>Atlanta</td>
<td>GA</td>
<td>30102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wurz</td>
<td>James H.</td>
<td>2 Wurz Avenue</td>
<td>Yorkville</td>
<td>NY</td>
<td>13495-1118</td>
<td>P</td>
<td></td>
</tr>
<tr>
<td>Yaguchi</td>
<td>Kazushige</td>
<td>700 N. Bird St. #306</td>
<td>Alpine</td>
<td>TX</td>
<td>79830-3923</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td>Yanausch</td>
<td>Larry</td>
<td>2020 Hootowl Jet</td>
<td>Nichols</td>
<td>IA</td>
<td>52766</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yarchin</td>
<td>Joe</td>
<td>7200 E. University</td>
<td>Mesa</td>
<td>AZ</td>
<td>85207</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

List current as of Jan. 1, 2000
238 total members
Book Review: The Sacred Hunt

The third notable area in this book centers on the author's criticism of what he calls the anti-hunting movement. Here again, he doesn't get into a debate over the facts; he seems to instinctively know that facts aren't the problem. The problem is differences in our emotional side. So the author assaults the animal rights movement for its failure to accept our humanity. I love the quote “To live is to kill.” In this one quote, he effectively destroys the basis of animal rights. With excellent psychological insight, he asserts that animal activists are actually afraid of their own death. Readers of my own arguments against animal rights (available at my website) will notice areas where Dr. Eaton and I agree. But don't forget Dr. Eaton provides some excellent food for thought when wrestling with the proponents of the anti-hunting movement.

This work is definitely for people seriously interested in learning about why someone hunts. For that, we can all be grateful Dr. Eaton wrote this book.

Overall, the book does its job. It clearly makes the reader think about the spiritual side of hunting. I found many points to think about in this text. On the negative side, I found the book to be hard reading at times. The sentence structure and the Zen talk can be very difficult to follow. Some of the poetry also completely went over my head. This is not a book for people wanting an easy-reading text. This work is definitely for people seriously interested in learning about why someone hunts. For that, we can all be grateful Dr. Eaton wrote this book.

If you would like to obtain a postpaid copy, send $19.00 payable to “The Sacred Hunt” to The Sacred Hunt, P.O. Box 490, Ashland, OR 97520, or call toll-free 877-SACRED-1. This author also sells two videos, which I hope to review in upcoming issues.

Stephen Vantassel, Special NWCO Correspondent
Wildlife Damage Control
PMB 102
340 Cooley St.
Springfield, MA 01128
© 2000 Stephen Vantassel
Stephen@wildlifedamagecontrol.com
http://www.wildlifedamagecontrol.com

Service Provided: Bird Remains ID'd

The U.S. Department of Agriculture's National Wildlife Research Center (NWRC), through an interagency agreement with the Federal Aviation Administration (FAA), maintains a national database of reports of bird and other wildlife collisions (strikes) with civil aircraft. Wildlife strikes are an increasing problem that costs civil aviation in the U.S. well over $300 million annually and the occasional loss of human lives. The database, with about 26,000 strike reports for 1990-1999, provides critical information to airport operators, biologists, aviation engineers, and regulators in designing programs, policies, and aircraft to reduce damaging wildlife strikes.

A major deficiency in the database however, is that about 50% of the reported bird strikes do not identify the bird species involved. To improve the identification of bird species involved in civil aircraft strikes, the NWRC has entered into an agreement with the Smithsonian Institution, Division of Birds. Dr. Carla Dove and her staff, at no cost to the airport or aircraft owner, will identify bird remains which are sent in with the strike report (FAA Form 5200-7). Remains should be sent in a resealable plastic storage bag attached to form 5200-7 to the address on the form (FAA Office of Airport Safety and Standards, AAS-310, 800 Independence Ave. SW, Washington DC 20591). Send whole feathers when possible because diagnostic characteristics are often found in the fluffy part or barbs of the feather base. Beaks, feet, bones, and talons also are useful diagnostic material. Pilots, aircraft maintenance and airport operations personnel, and others working on airports to reduce bird strikes can greatly improve the utility of the National Wildlife Strike Database for Civil Aviation by having bird remains identified for strikes where there is uncertainty as to the species involved.

The FAA Form 5200-7 for reporting bird strikes can be downloaded from http://www.faa.gov/arp/birdstrike. Additional information on bird strike reporting and wildlife hazard reduction at airports is available at http://www.birdstrike.org.

Letters to the Editor

Dear Bob,

My family and I were deeply touched by your tribute to Bill in THE PROBE [issue #201]. He surely loved working for NADCA all those years. Glad there were some who appreciated his efforts. Just talked to the Rosts who are heading for San Antonio, TX for Christmas. I'm planning to drive over to Phoenix where one of our daughters lives. We spent last Christmas there. It was Bill's last—and he loved it. My best to you for the holidays and the New Year.

Sincerely, Ann Fitzwater

The Probe, JANUARY/FEBRUARY 2000 Page 5
Abstracts from the 6th Annual Conference of The Wildlife Society

Influence of dispersal on social ecology of coyotes: Comparison of a mainland and an island population

Harrison, Daniel J.
Dept. Wildlife Ecology, University of Maine, Orono, ME

Delayed dispersal and pack formation in coyotes (Canis latrans) are often associated with consumption of large prey, but several inconsistencies suggest that causal factors other than prey size determine timing of dispersal and prevalence of pack formation. Dispersal timing and success, prevalence of pack formation, and prey use were compared for adjacent populations of coyote occurring in a mainland environment without dispersal barriers and on a large island where dispersal opportunities were limited. Although both populations subsisted on white-tailed deer (Odocoileus virginianus) during winter and spring, dispersal of pups on the island was delayed relative to the mainland and pups frequently returned to natal territories and formed packs on the island. On the mainland, nearly all pups dispersed during their first year of life and did not return to natal territories to form packs. Despite large group sizes on the island, area of territories, extent of overlap among adjacent family groups, and area fidelity were similar between sites. Although density of snowshoe hare was higher on the island than on the mainland, coyote packs altered their foraging strategies and focused on other mesocarnivores and deer as primary foods on the island, whereas mainland coyotes usually foraged alone or in pairs and maintained high use of snowshoe hare throughout the year. Results from this study do not support the hypothesis that prey size is a causal mechanism of pack formation in coyotes and provide further evidence that dispersal and breeding opportunities may be primary determinants of social organization and subsequent foraging habits in medium sized canids.

Habitat use and movement patterns of nuisance female elk in Arkansas

Herner-Thogmartin, Jennifer H.*, and Kimberly G. Smith
*Arkansas Cooperative Fish & Wildlife Research Unit, University of Arkansas, Fayetteville, AR

Nuisance activity by a growing Rocky Mountain elk (Cervus elaphus nelsoni) population has become a recent concern since their successful reintroduction to north central Arkansas in the early 1980's. To address this concern, habitat use and movements of female elk captured on private lands adjacent to the Buffalo National River were determined using daily and focal radio telemetry. Daily (n = 555) and focal (n = 335) relocations were collected from Fall 1997 to Fall 1998. Mean annual home range size was 631.55 ha (SE = 215.45). Nuisance activity was most often reported by private landowners in summer (July-August) when mean seasonal home range size was smallest (204.93 + 63.63 ha). Mean seasonal home range size was largest in the spring (1,697.58 + 914.86 ha). All elk demonstrated spatial segregation between their seasonal home ranges (p < 0.001), however they remained on private lands year round. Core areas of annual home ranges consisted mainly of mixed hardwoods (45%), hay fields and food plots (26%), and mixed upland forest (11%). Mean interlocational distance during 24-hr sampling periods was 230.03 + 14.06 m. Female elk moved the furthest distances at dusk and dawn, moving between mixed hardwoods in the day and hay fields and food plots at night. Given preference by these elk for agricultural fields, nuisance activity will likely increase as this population of elk continues to expand their range.

Public health agency response to bat rabies: Is it good public service?

Hicks, Alan C.
New York State Dept. Environmental Conservation, Wildlife Resources Center, Delmar, NY

In recent years most public health agencies have greatly expanded the definition of what constitutes an unacceptable risk of exposure to bat rabies, based upon recommendations by the National Centers for Disease Control and Prevention. Health agencies appear quick to emphasize...
size that rabies is a deadly disease and to imply, by this policy change, that the public is at significant risk if they do not follow the new recommendations. However, this change addresses a health threat that is so rare that many question if the policy is good public service. Health agencies appear slow to collect or disseminate information that might cause the public to question this policy, or allow individuals to judge the degree of danger for themselves. Among other issues, health agencies have largely failed to determine how often the newly defined exposures occur and, therefore, cannot calculate the associated degree of risk. Nor have they defined what constitutes an acceptable level of risk. They do not know what society is currently spending to comply with the policy change, or the rate of compliance, so they are unable to determine how many additional lives might be saved if the money were spent on other health care problems. Given the rarity of rabies deaths that are addressed by the new policy, public health cannot be improved in a meaningful way regardless of the amount expended. However, this policy runs the risk of encouraging unrealistic expectations for a zero risk society, further alienating the public from the natural world, and making the conservation of our wildlife resources more difficult.

Outlook of levels of support for wildlife management in state and federal programs

Hiiggenbotham, Billy J.
Texas Agricultural Extension Service, Dept. Wildlife & Fisheries Sciences, Texas A&M University System, Overton, TX

State and federal agencies charged with wildlife management responsibilities are undergoing rapid changes as public attitude toward wildlife resources and their management continually evolve. Although hunters have been the traditional supporters and financiers of wildlife management, agencies are faced with changes in public sentiment resulting in an increase in “non-traditional” (e.g., wildlife watchers) stakeholder groups. Furthermore, anti-hunting organizations have become increasingly successful at facilitating “management by referendum” based on public opinion rather than on biological fact. An even greater impact will occur with demographic shifts in the American population away from the traditional hunter constituency toward a public that has not historically participated in outdoor activities that benefit from wildlife management programs. The combination of these demographic trends paints a portrait of Americans that may not be vitally interested in natural resources, outdoor recreation or wildlife management. In order to maintain wildlife management program support, agencies must meet the needs of these emerging audiences while recruiting additional participation into traditional activities, including hunting. Efforts should include aggressive youth education programs in environmental and outdoor education and recruitment of adults into non-traditional recreational activities involving wildlife. These efforts should occur in addition to and not at the expense of traditional beneficiaries of wildlife management programs (i.e., hunters). Further declines in traditional audiences will require additional sources of revenue to maintain critical levels of support. An example of potentially new revenue includes the Outer Continental Shelf initiative that could provide billions of dollars for programs directly benefiting wildlife resources.

New directions and needs in research

Higgins, Jessica
Fort Collins, CO

As public perception of the wilderness and its value changes, so does the field of wildlife biology. We are seeing more public involvement than ever before. Grassroots organizations are directing public opinion and ballot initiatives are dictating wildlife management. Opinions on direct democracy in wildlife management are heated, but because of the persistence of this escalating trend, our opinions are mostly irrelevant. Our ability to adapt to this changing political environment, however, is relevant. Our duty is not simply to manage based on biological principles or the opinions of consumptive users, but to do these things while also responding to the public at large. For this reason, we find ourselves faced with a research need that has seldom been given thorough consideration in the wildlife profession. We need to develop nonlethal and minimally invasive methods of wildlife research, education and management. In some cases, the need to find these types of methods is forced upon us by public involvement. For instance, Colorado voters recently chose to ban trapping in the state. While this ban forces the creation of more humane methods of animal capture, it also leaves professionals in a lurch until such technology is developed. This creates hostility between certain sectors of the public and many wildlife professionals. As the rift between the two widens, we can only be assured of more ballot initiatives that tie our hands and exacerbate the polarization of the public and of professionals in the field. However, issues like the trapping ban in Colorado can be circumvented if we recognize and act on the public’s desire for more humane methods of wildlife management. The question of humane treatment of wildlife is no longer solely an ethical one. The methods that we use to capture, mark, relocate or kill animals may well decide our relationship with the public, and our relationship with the public may decide the future of our field and of our wildlife.

Island biogeography and feral pig disturbance of grassland

Hone, Jim
Applied Ecology Research Group, University of Canberra, Canberra, ACT AUSTRALIA

The theory of island biogeography assumes a positive relationship between island area and the number of species (species richness). There is strong empirical evidence to support the assumption. Feral pigs (Sus scrofa) disturb (root up) the ground and vegetation when feeding on plant roots and soil invertebrates. Pig rooting should reduce the number of plant species in the short-term. The rate of reduction could be predicted by the theory of island biogeography using the shape parameter (z) of the species area curve. A study of grassland vegetation in Namadgi National Park, Australia, tested the prediction. Above-ground species richness was measured on plots 0.5m x 0.5m using a balanced experimental design of levels of pig disturbance. Species richness declined significantly (P<0.01) as pig rooting increased from a mean of 8.4 species per plot in undisturbed grassland to 0 in plots completely disturbed. The rate of reduction (z=0.34) was very close to that predicted (z=0.30). The implication is that if pig rooting is less than about 25% of an area there will be little local, short-term, effect on species richness. At high levels of pig disturbance, plant species richness will decline rapidly.
Membership Renewal and Application Form
NATIONAL ANIMAL DAMAGE CONTROL ASSOCIATION

Mail to: Grant Huggins, Treasurer, Noble Foundation, P.O. Box 2180, Ardmore, OK 73402

Name: ___________________________________________ Phone: (___) ___-______ Home
Address: ___________________________________________ Phone: (___) ___-______ Office
Additional Address Info: ________________________________________________________________

City: ___________________________________ State: ___________ ZIP ___________ Please use 9-digit Zip Code

Dues: $ _______ Donation: $ _______ Total: $ _______ Date: __________
Membership Class:  Student $10.00  Active $20.00  Sponsor $40.00  Patron $100  (Circle one)

Select one type of occupation or principal interest:
[ ] Agriculture  [ ] Pest Control Operator
[ ] USDA - APHIS - Wildlife Services  [ ] Retired
[ ] USDA - Extension Service  [ ] ADC Equipment/Supplies
[ ] Federal - not APHIS or Extension  [ ] State Agency
[ ] Foreign  [ ] Trapper
[ ] Nuisance Wildlife Control Operator  [ ] University
[ ] Other (describe) ________________________________________________________________