

THE WILDLIFER

July - August 1997

THE WILDLIFE SOCIETY

Excellence in Wildlife Stewardship Through Science and Education

Issue No. 283

Meet in the Colorado Rockies this September!



Imagine golden aspens, majestic mountains, first class meeting facilities, outstanding continuing education programs, and professional networking all in one place! You'll find all of this and more at TWS's 4th Annual Conference in Snowmass Village, Colorado this September. Don't be left out! Plan now to attend.

Take advantage of substantial savings by returning your registration form with payment by the August 25 early registration deadline! Early registration also earns you a ticket in the early registration drawing. After August 25, you still can register by mail or on site, but you'll need to pay the full registration fee. Registration by mail provides for quick and efficient check-in at the conference registration desk and helps us plan conference events.

With one call to Snowmass Central Reservations ((toll-free in the U.S.: 800-598-2004; outside the U.S.: 970-923-2010), you can make all your travel arrangements including lodging, airline, rental car, and ground transportation from Denver. TWS has reserved a block of hotel rooms, lodge rooms, and condominiums of assorted sizes in Snowmass Village. All are within close proximity to the conference center. **Conference rates are available from September 17-30, 1997. To take advantage of these rates, you must indicate you are attending The Wildlife Society's 4th Annual Conference. Our block of rooms will be held only through August 25, 1997.** After that date, reservations are on a space available basis only and conference rates cannot be guaranteed.

An exciting technical program includes something for every wildlife professional and student with 20 symposia and workshops, four poster sessions, and nearly 200 contributed papers. Tailor your daily program to fit your needs and interests by selecting from seven concurrent sessions! On Wednesday, stretch your thinking with a special morning plenary session on *Science Theory and Management Applications* and participate in the afternoon Members Forum and working group meetings.

Social activities include the welcome reception on Tuesday evening and Taste of Snowmass Festival closing out the conference on Saturday night. Optional field trips provide glimpses of surrounding alpine areas and most require advance reservations by September 5. There is much to see and do in Snowmass during September to warrant coming early, staying late, and bringing a guest.

Come to the Rockies and celebrate The Wildlife Society's 60th anniversary. Register today! For registration information, contact TWS at (301) 897-9770.

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OUTDOOR RECREATION POLICY

Teaming With Wildlife Update

Teaming With Wildlife legislation must be introduced in Congress soon. Many letters to Capital Hill and articles printed in local and national papers indicate growing public interest in TWW.

The Wildlife Society launched a student-letter campaign in May by contacting 1700 student members of The Wildlife Society (TWS).

The Wildlife Society is creating an Internet opinion page for TWW. When searching for TWW on the Internet, many negative opinions and inaccurate information posted by opponents appear on the web. The TWS's web page will be an information source for people interested in learning why the diverse group of supporters endorses TWW. The format will include articles, explaining the facts about TWW. We intend to include perspectives from scientific, hunting, recreation, environmental and conservation groups.

On June 15-17, the second National Wildlife Diversity Conference, hosted by the International Association of Fish and Wildlife Agencies, was held in Austin, Texas. The presenters discussed non-game wildlife diversity, as well as many issues related to TWW. If you would like more information on the conference, it can be found on the TWW web page: <http://www.teaming.com>.

Recreation News

Senator Murkowski (R-AK) has released additional information about his proposed recreation bill, and Americans for Our Heritage and Recreation have stated their purpose and mission. The wildlife community has a lot at stake with both of these recreation efforts as wildlife-related recreation depends on adequate habitat on public lands. Rollin Sparrowe, President of the Wildlife Management Institute, urged active involvement by wildlife groups, by stating "one avenue is to become involved in both of these in order to track them more clearly, assure that our needs are expressed from the beginning and become part of it, and try to shape a positive outcome for fish and wildlife and related habitats, recreational programs, and wild lands where appropriate."

Senator Murkowski's Recreation Initiative

Senator Murkowski, Chairman of the Energy and Natural Resources Committee, plans to form a bill through a series of seminars that will include leaders from both the conservation and recreation communities. After the seminar process, his recreation bill will then have hearings before the Senate Energy and Natural Resources Committee. According to Murkowski, the bill will be a comprehensive plan for the nation's outdoor recreation policy. In a preliminary seminar, a Capital Hill staffer said, "The Senator is interested in helping supply the needs of recreation, based on

whatever this group (the seminar group) thinks is important." Murkowski has noted concern for the need to supply more urban recreation opportunities.

Designed to protect National Parks and forestlands, enhance their facilities and services, and improve urban recreation opportunities, the bill is still in its infancy. The American Recreation Coalition (ARC) has been working on the bill with the senator's staff. Fifteen staff recommendations have surfaced; however, ARC said they might change in the future as the seminar process proceeds.

Murkowski's recreation bill offers many new ways to bring funds to public lands. In general, it would expand the role of private investment and concessions and increase development of recreational land. However, increased development may pose problems for wildlife. Along with increased development comes more buildings and roads, altering wildlife habitat. This may be counter-productive to many recreationists that use public land to view wildlife that require continuous habitat. Conservationists also are concerned about increases in concessions as they could degrade wildlife habitat.

Another controversial aspect of the bill is the proposed standards for corporate sponsors. The idea of corporate sponsors is still being debated and many feel that using corporate money is not the way to support public lands.

The planned recreation permitting system would allow private landowners to collect fees for recreation. Clarification on the intent of this proposal is needed to fully understand what impacts it could have on recreation and wildlife, both for private and public lands.

The fisheries and wildlife community also is eager to learn why Wallop-Breaux needs to be finely tuned in this bill and why it is included in the focus paper.

Murkowski's ideas seem to favor increasing revenues of the recreation industry and the benefits to recreation are unclear. Interestingly this recreation bill contains no mention of wildlife or associated habitat and no mention of Teaming With Wildlife.

Americans for Our Heritage and Recreation (AHR)

Americans for Our Heritage and Recreation, a recreation advocacy coalition, has begun developing its structure and goals to support full funding for the Land and Water Conservation Fund (LWCF). The group formed in March, 1996 to discuss the possibilities of resurrecting LWCF funding. The members are diverse, with both federal and state recreation interests represented. One of the group's strengths is that it brings together many different types of organizations, all with the common goal of gaining adequate funding of the LWCF and improving recreation in America. Americans for our Heritage

PRESIDENT'S CORNER

Professionalism

Summer is officially upon us but my thoughts have moved forward to our 4th Annual Conference at Snowmass, Colorado, during 21-27 September. My thoughts have also been about professional development and have been tempered by recent losses of Allen E. Anderson, a life member, Thomas G. Scott, a charter member, past president, and past editor of the *Journal of Wildlife Management*; and Dan Q. Thompson, also a past editor of the *Journal of Wildlife Management*. These three individuals all served The Wildlife Society in a variety of ways and are notable examples of our many dedicated members. They truly believed in the profession and worked to improve TWS through scientific writings, editing, teaching, research, etc., and the professionalism they continuously demonstrated.

Professionals, such as Anderson, Scott, and Thompson were involved in professional improvement, i.e., development, throughout their careers. In this modern time of more powerful and faster computers, more working groups, more diversity of professional specializations, etc., we need more professional development. None of us likes to believe we need to be trained as we are already trained but the truth is that we all need to improve and add new skills as science and society's expectations are changing daily. The Wildlife Society has offered professional development opportunities through Chapter and Section meetings and special symposia on a wide variety of cutting-edge issues for a number of years. Many of us have participated in these meetings/symposia but we have not considered it "training" or "professional development." We certainly have not volunteered for recognition of these professional activities even though they have helped us in our jobs and our understanding of the jobs of others.

The Wildlife Society is further refining the professional development program and is linking it to the certification program. This should have been done at the start of the certification program as many have questioned the "certification for life" approach. The committee of Leon Fisher, Stan Gehrt, Tom Ryder, and Ron Stromstad and chaired by Jerry Cross has made great progress with streamlining the professional development program and linking it with certification. I urge those who are interested to watch for more information on this topic as it becomes available. Each of us deliberately or inadvertently is involved with learning and, thus, professional development. The professional development program, linked with certification for those interested, is workable and will enhance the credibility of all of us.



Clait E. Braun

This brings me to our 4th Annual Conference at Snowmass, Colorado, during 21-27 September. All indications are that this will be a highly successful meeting as the preliminary program is chock full of items of interest for everyone. Colorado in mid September is beautiful as the aspen are golden, the Gambel oak is red, and the sky is blue. With luck, there will be some fresh snow on the higher peaks. As you review the preliminary program for the Snowmass meeting, please note on the lower part of page 12 that you too can earn professional development credits by attending your professional society's annual conference.

I look forward to seeing you in Snowmass in September.

THE WILDLIFER

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TWS Snowmass '97

Job Board/Job Hunting Information Will Be Available at the Conference

A job board will be maintained throughout the conference for announcements of employment and graduate school opportunities. Employers and professors with openings in their programs should bring information to the conference for posting, or preferably send them to Pat Deibert, Wyoming Game and Fish Department, 5400 Bishop Blvd., Cheyenne, WY 82006; (307) 777-4587, fax (307) 777-4677; e-mail: pdeibe@missc.state.wy.us. In addition to job openings we will provide information on how to apply for both public and private sector positions. If you have information on how to apply for positions within your organization, please send it to Pat prior to the conference. A room will be available at the conference for potential employers wishing to conduct interviews. Contact Pat if you want to schedule a room in advance.

Join us in Snowmass Village Register Today!

TWS 4TH ANNUAL CONFERENCE

SEPTEMBER 21-27, 1997



An unmatched educational opportunity: choose from dozens of technical sessions



Students: meet potential employers & graduate advisors



Participate in the Members Forum



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Attend the Trade Show and Exhibition



Enjoy the evening activities



Tour local attractions

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The Wildlife Society, 5410 Grosvenor Lane
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DON'T FORGET!

ENTER YOUR FAVORITE PRINTS IN THE TWS PHOTO CONTEST



Do you have any photos you think could be award winners? Now's your chance to find out by entering them in the TWS Annual Conference Photo Contest. Enter your photos by following the contest rules below.

CONTEST RULES

1. Photos must be taken by the participant. Photos of zoo or other captive animals will *not* be eligible for Wild Birds, Wild Mammals, or Other Wildlife categories (the honor system will prevail). Contest is open to all registered for the conference.
2. Photos *must* be mounted on stiff backing (photo board, artboard, foam board, etc.). Each photo *must* have the name and address of the photographer clearly marked on the back. Matting is optional. *Glass and frames of any kind are prohibited.*
3. Entry fee is \$2 per photo (to cover contest costs), with no limit on the number of photos entered per participant.
4. Mounts 5 by 7 inches up to 16 by 20 inches will be accepted, but images of 11 by 14 inches or less are preferred and encouraged. Color or black and white prints are accepted (NO SLIDES).
5. Photos will be accepted in the following categories: *Wild Birds; Wild Mammals; Other Wildlife; Landscapes/Scenics/Habitats; Humor; and People & Projects.*
6. Judging will be by conference attendees for *First, Second, and Third* place in each category, and conference *Best-of-Show*.
7. Ribbons, certificates, prizes, and a plaque for Best-of-Show will be awarded. Winners to be recognized at the Saturday evening Taste of Snowmass Festival.

If you don't want to hassle with you and your photos traveling to the conference together, you can send them to the following address by *September 19*:

Jennie Slater, Photo Contest Coordinator
Colorado Division of Wildlife
6060 Broadway
Denver, Colorado 80216
(303) 297-1192





TWS Buffalo '98

**5th Annual Conference of The Wildlife Society
Buffalo, New York September 22-26, 1998**

CALL FOR WORKSHOP, SYMPOSIUM, AND SPECIAL POSTER SESSION PROPOSALS

Proposals for workshops, symposia, and special poster sessions are invited for the 5th Annual Conference of The Wildlife Society. Workshops, symposia, and special poster sessions should be technical in nature and focus on topics of wildlife science, management, education, or policy within the broad theme of *Excellence in Wildlife Stewardship through Science and Education*. All proposals must include a title, organizer(s) (name, affiliation, city, state), sponsor (institution/group other than organizer's employer sponsoring the session, if appropriate; for example, a TWS working group), statement of purpose, description of the session including a list of proposed topics and speakers, and preferred session length (one-half day or full day). Proposals should include the organizer's name, address, telephone number, fax number, and email address.

Organizers are responsible for planning their sessions, selecting the instructors or presenters, and soliciting and reviewing abstracts for presentations within their sessions. The Wildlife Society does not pay travel expenses, registration fees, or honoraria for workshop, symposium, or special poster session organizers or presenters. Organizers may seek outside sponsors for these expenses, if necessary. For workshops, some expenses (for example, equipment rental and workbooks) may be recovered via a special workshop registration fee, but such expenses and fee must be detailed in the proposal and approved by TWS. Collection of the fee normally is left up to the session organizer.

Proposals should not exceed five type-written pages and must be submitted by October 15, 1997. Proposals will be judged on timeliness of the subject, importance to the profession and/or contribution to science, and the overall quality of the written proposal (concise, clear, complete). Submissions from TWS working groups are especially encouraged. Applicants will be notified whether their proposals have been accepted or not in late November. Final session content, schedule, and abstracts will be due by February 28, 1998. (Note these final submissions must be on IBM formatted disks).

**Deadline:
October 15,
1997**

Workshops emphasize learning through audience participation, discussions, and "hands-on" activities and may involve one or more instructors. Workshops may be one-half or a full day. Symposia are comprised of a series of presentations that address aspects of a single topic. Symposium speakers generally are invited by the organizer, but the organizer may issue a limited call for speakers (for example, within a working group) and select from among the submissions. Organizers of the latter type of session are reminded of the short time between notice of acceptance and submission of final session program. Symposia usually are one-half day; however, requests for a full day may be considered depending upon the available space. Special poster sessions are similar to symposia, but presentations are by poster rather than oral. Special poster sessions provide an opportunity for one-on-one dialogue between presenters and attendees. Space for special poster sessions is very limited. All special poster sessions are one-half day. Workshops, symposia, and special poster sessions are scheduled within the overall conference program, although workshops may be scheduled to precede the conference because of time or logistical constraints.

The call for contributed papers and posters (not associated with workshops, symposia, and special poster sessions), plus guidelines for preparing abstracts will appear in the September-October 1997 issue of *The Wildlifer*.

Send 6 copies of proposal to:
Jim Applegate, Dept. of Ecology, Evolution, and Natural Resources, P.O. Box 231, Cook College/Rutgers University, New Brunswick, NJ 08903, by October 15, 1997. Questions only may be addressed to Jim at his email address: applegate@aesop.rutgers.edu. Sorry, late proposals cannot be accepted.



13th Annual U.S. Landscape Ecology Meeting

The next meeting of the U.S. Regional Association, International Association for Landscape Ecology, "Applications of Landscape Ecology in Natural Resource Management," will be held 17-21 March 1998 at Michigan State University, East Lansing, Michigan. Fisheries, human dimensions, planning, range, soils, timber, water, wildlife and other resource subjects will be emphasized. The meeting will consist of four days of papers, posters, plenary sessions, workshops, symposia, and field trips. Abstracts and symposium proposals that address landscape ecology issues relevant to natural resource managers and agencies are especially encouraged, but all aspects of landscape ecology are appropriate topics. The deadline for abstracts for contributed papers and posters, and for symposium proposals, is **31 October 1997**. *Note that this deadline is two weeks earlier than previously announced.* For information about abstract submission, symposium proposal submission, local arrangements and travel, please refer to the meeting web site: www.fw.msu.edu/iale98. Local Hosts: Jianguo Liu and William W. Taylor, Department of Fisheries and Wildlife, 13 Natural Resources Bldg., Michigan State University, East Lansing, MI 48824; 517-355-1810 (phone); 517-432-1699 (fax); iale98@perm3.fw.msu.edu. Local Student Representative: Samuel Riffell, Department of Zoology, Michigan State University, East Lansing, MI 48824; 517-355-4640 (phone); 517-432-2789 (fax); riffells@pilot.msu.edu. Scientific Program Chair: Kevin Gutzwiller, Department of Biology, Baylor University, Waco, TX 76798-7388; 817-755-2911; FAX 817-755-3409; iale98@Baylor.edu.

Forest Fragmentation in the Central Rocky Mountains

Forests in the central Rocky Mountains are naturally quite patchy. Have human uses of these forests, such as logging, road building and recreation, increased this natural patchiness? That question will be the topic of a two-day conference at Colorado State University on forest fragmentation in the central Rockies on 15-16 September 1997. The conference will bring together scientists from the region who have studied ecological and management aspects of forest fragmentation. In addition, non-governmental organizations will present their concerns regarding land-use practices on public forests that contribute to fragmentation. The conference will be held in the Lory Student Center and is open to the public. Registration is not required. For further information contact either **Rick Knight (970/491-6714)**, or **Skip Smith (email: skip@cnr.colostate.edu)**.

Dennis Raveling Scholarship for Waterfowl Research

The Dennis Raveling Scholarship for waterfowl research is awarded annually to a student with a desire to pursue a career in waterfowl or wetlands ecology. Awards are based on resolve and high academic achievement. Candidates must be pursuing an advanced university degree in: Wildlife, Zoology, Botany, Ecology, or other pertinent biological science. Applicants should submit a 1-2 page proposal summary description on original research or management project, resume, statement of interest, letter from a faculty member indicating willingness to sponsor the candidate and detailing any require-

ments for receiving university credit, and names and phone numbers of two references (at least one University instructor and/or previous employment supervisor). The 1998 award is \$2,000, paid in quarterly installments. Submit materials to **California Waterfowl Association, 4630 Northgate Blvd., Suite 150, Sacramento, CA 95834, Attn: Cindy Miglino**. Deadline: 1 October 1997.

Watchable Wildlife Conference

Travel to the heart of the Blue Ridge Mountains of Southwest Virginia on November 11-15 to The Hotel Roanoke and Conference Center in Roanoke, Virginia. The theme of this year's Watchable Wildlife Conference is *Expanding Horizons: A Diversity of News...A Diversity of Viewers*. Pre-conference workshops include developing visitor surveys, designing web sites, landscaping for wildlife, marketing and implementing programs, and wildlife festivals. Pre- and post-conference field trips include tours to wetland/wildlife habitats, parks, and the world-famous Appalachian Trail. Plenary and technical sessions are held November 12-14 and each day has a different theme - *Diversity of View and Viewers*, *Balancing Economics and Ecology*, and *From Wildlife to Wild Life*. Keynote speakers are Deputy Secretary of the Interior, John Garamendi (invited), Joan Embery (national celebrity and goodwill ambassador for the San Diego Zoo), and Chris Palmer (president of National Wildlife Productions). For more information, contact: **Barbara Falls, 820 University City Boulevard, Mail Code 0364, Virginia Tech, Blacksburg, VA 24061; 540/231-3122; or email: bfalls@vt.edu**.

Symposium on Swift Fox

The Canadian Wildlife Service and the U.S. Geological Survey's Northern Prairie Wildlife Research Center will convene a *Symposium on Swift Fox* in Saskatoon, Saskatchewan on 18-19 February 1998. The symposium will be held in conjunction with *The Fifth Prairie Conservation and Endangered Species Workshop*. The symposium will address the "state-of-the-science" of swift fox ecology and status in North America. Objectives of the meeting are to foster information exchange on current distribution, population dynamics, characteristics of dispersal, habitat selection, disease, taxonomy, legal status, and conservation of the species. Papers can be submitted for oral presentation or as posters. Abstracts should be submitted for evaluation by the Program Committee by **31 August 1997**. Abstracts should be double-spaced with 1.24 inch margins; please limit to 150 words. Include a disk with ASCII, DOS/Windows WordPerfect or MS Word version of your abstract. Notification of selection will be given by 15 October. First draft manuscripts will be due 15 January 1998. All manuscripts will be peer-reviewed and those that are appropriate will be chosen for inclusion in a published proceedings. For more information about the meeting please contact Lu Carbyn, Canadian Wildlife Service, Room 200, 4999-98 Ave. Edmonton, Alta. T6B 2X3, Phone 403-435-7359, email lu.carbyn@ec.gc.ca; or Marsha Sovada, Northern Prairie Wildlife Research Center, 8711 37th St. SE, Jamestown, ND 58401; Phone 701-253-5306 or 252-5363; email: marsha_sovada@nbs.gov. Information about the meeting will be posted under "Announcements" on Northern Prairie's Homepage: <http://www.npsc.nbs.gov>.

Chairs Named For 63rd North American Wildlife and Natural Resources Conference

Special Session chairs for the 63rd North American Wildlife and Natural Resources Conference have been confirmed, according to Lonnie L. Williamson, vice president of the sponsoring Wildlife Management Institute and chairman of the Conference Program Committee. Harry E. Hodgdon of The Wildlife Society, Gary J. Taylor of the International Association of Fish and Wildlife Agencies, and Paul Brouha of the American Fisheries Society serve on the Conference Program Steering Committee. Richard E. McCabe of WMI is Conference Coordinator. The 63rd Conference is scheduled for March 20-24, 1998 at the Omni Rosen Hotel in Orlando, Florida. The international meeting's theme is *Changing Resource Values in Challenging Times*. Those wishing to participate by contributing a presentation at the 63rd North American Wildlife and Natural Resources Conference are encouraged to request abstract guidelines from and propose papers to the appropriate chairs listed below. Abstract guidelines should be requested immediately and the proposals made in short order, since final determinations on program content will be made in mid-September. Accepted papers will be published in the Conference *Transactions*, slated for release in the fall of 1998.

Subject of Special Sessions and Chairs

RESTORING ALTERED ECOSYSTEMS: IS IT POSSIBLE?

Laurence L. Connor, FL Game and Fresh Water Fish Commission, P.O. Box 1903, Eustis, Florida 32727-1903; Tel. (352) 357-6631

RESPONSIBLE HUMAN USE OF FISH AND WILDLIFE: CHALLENGES TO PROFESSIONAL MANAGEMENT

David A. Hamilton, Department of Conservation, 1110 S. College Avenue, Columbia, Missouri 65201; Tel. (573) 882-9880 ext. 4264

ENDANGERED SPECIES RECOVERY: STILL A VALID APPROACH FOR WILDLIFE MANAGEMENT?

H. Franklin Percival, Cooperative Fish and Wildlife Research Unit, Box 110450, University of Florida, Gainesville, Florida 32611-0450; Tel. (352) 392-1861

INTEGRATING HUMAN DIMENSIONS INTO MANAGEMENT: PARTNERSHIPS AND PROGRESS

Tommy L. Brown, Human Dimensions Research Unit, Femow Hall, Cornell University, Ithaca, New York 14853-3001; Tel. (607) 255-7695

BURNING ISSUES AND SMOKE SCREENS: HEAT AND LIGHT IN SOUTHERN FORESTS

Peter J. Roussopoulos, Southern Forest Research Station, U.S. Forest Service, P.O. Box 2680, Asheville, North Carolina 28802; Tel. (704) 257-4300

NONINDIGENOUS SPECIES: METHODS OF INTRODUCTION AND IMPACTS

Pam L. Fuller, Biological Resources/USGS, 7920 NW 71st Street, Gainesville, Florida 32653; Tel. (352) 378-8181

Submission Deadlines for *The Wildlifer*

If you would like to submit a news item, a meeting announcement, or job opening for publication in *The Wildlifer*, they must be received by the deadlines listed below.

Job openings should be 100 words or less. Ideally, the closing date for jobs should fall the month after the issue's date, or at the end of the second month (i.e. closing dates for jobs in the September-October issue should be in late October, or later). Editor reserves the right to edit all submissions.

Send your news items to: Yanin (Janine) M. Walker, Production Editor, The Wildlife Society, 5410 Grosvenor Lane, Bethesda, MD 20814; phone (301) 897-9770; FAX (301) 530-2471; E-mail: yanin@wildlife.org

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Nov.-Dec.

Deadline
August 15, 1997
October 15, 1997

POLICY....continued from Page 62

and Recreation has established a Board of Directors, a central office of coordination, and ten regional headquarters. Currently, the group is building a support base, while at the same time lobbying congress and the executive branch.

The mission of AHR "is to renew and strengthen our nation's investments in places that conserve our natural and cultural heritage and provide recreational opportunities for all Americans." Structurally the group has created a Steering Committee and six subcommittees including, planning and outreach fundraising, legislative advocacy and strategy, grassroots, policy, and media. As AHR gets under way, it is important that wildlife interests be addressed in their agenda. Such a diverse and motivated group could greatly benefit recreation and wildlife conservation.

Additional Contributions to the Teaming with Wildlife Fund

President's Challenge

\$100 and up

John & Ann Christensen, Manteca, CA

Sections and Chapters

\$100

Washington Chapter

< \$100

West Virginia Chapter



TEAMING WITH WILDLIFE
a natural investment

March Council Meeting Highlights

The Wildlife Society Council met March 14-15, 1997, in Washington, D.C. Major actions and issues are summarized below.

Certification and Professional Development: Since the certification program was introduced in 1977, 2,660 people have been approved as Certified Wildlife Biologists (CWB) and 1,997 have been approved as Associate Wildlife Biologists (AWB). Since the professional development program began in 1989, 134 people have completed the program. During 1996, the certification program had an operating deficit of \$6,608 despite increasing fees in January 1996 and reducing the size of the Certification Review Board from six to five members in April 1995. George F. Mattfeld was appointed to a three-year term on the Certification Review Board beginning in October 1997.

Council moved forward with a plan to link the certification and professional development programs by requiring certification renewal through continuing education. Effective January 1, 1998, all Certified Wildlife Biologists will be required to renew their certification every five years. Renewal of certification for current CWBs will be phased in over the next five years. The Professional Development Program also will be retained as a separate program useful to individuals who are not certified. Federal and state agencies will be asked to support certification and continuing education for their employees.

Annual Conferences: As a result of lower than expected attendance (1,100 instead of 1,600) the 1996 annual conference had a deficit of \$65,320. The early October date (start of the federal fiscal year) and eastern location apparently contributed to the low attendance. Future conferences are scheduled as follows: September 22-26, 1998, Buffalo, New York, and September 7-11, 1999, Austin, Texas.

1998 North American Conference: TWS will develop a session on Endangered Species Recovery -- Still a Valid Approach to Wildlife Management?

Wildlife Society Bulletin: Due to feedback received from members, the proposal to provide the *Bulletin* to all members six

times a year (in place of *The Wildlifer*) has been dropped. A dues increase still will be sought to hire a Managing Editor for Society publications, beginning first with the *Bulletin*. The membership will be asked to vote on the dues increase this summer.

2nd International Wildlife Management Congress: Hungary still is under consideration as the site for the 2nd International Wildlife Management Congress in 1999. An interim committee is exploring potential U.S. funding sources and will conduct a site visit to assess conference facilities and Hungarian support. A decision whether or not to proceed with the Congress in Hungary in 1999 will be made in June 1997.

Revision of *The Journal of Wildlife Management Guidelines*: A special committee currently is revising and updating the guidelines to authors for the *Journal*.

Endowment Fund: Council moved forward with establishing an Endowment Fund for Excellence in Wildlife Stewardship. The base fund will be created by combining the permanent fund, building fund, and publications fund, currently valued at about \$735,000. Contributions and bequests will be sought to increase the fund to a goal of \$1.5 million by the year 2000 and \$3 million by 2005. After achieving its initial target of \$1.5 million, annual income from the fund will be used to support special projects selected by TWS Council. The

fund also will continue to pay current obligations of the component funds (i.e. life member dues, mortgage payments, capital improvements to the headquarters building, and fund management expenses). Proceeds from the fund will not be used to augment the general operating fund, except in emergency circumstances. Contributions to the Endowment Fund will be accepted beginning October 31, 1997.

Membership: Total membership in 1996 was 9,619 people, a 1.2% increase over 1995, and another record high for TWS. The number of student members increased 5.7%, retired members increased 2.7%, regular members were about constant, and life members decreased 3.3%. Total membership has increased 18.7% over the 10-year period from 1986 to 1996 as follows: regular members - 12.4% increase, student members - 51.2% increase, retired members - 53.7% increase, and life members - 26.0% decrease. We are on target for reaching our goal of 10,000 members by the year 2000.

2ND INTERNATIONAL WILDLIFE MANAGEMENT CONGRESS UPDATE

Hungary Will Host 2nd International Wildlife Management Congress



National Palace

On June 18, Council decided to hold the 2nd Congress in Godollo, Hungary, June 28-July 2, 1999.

Mark your calendar and plan now to attend!

Sections and Chapters: Seven new student chapters were formed in 1996. We continue to have a problem with non-TWS members serving as officers of chapters. As of March 4, 1997, there were four chapter officers, forty-nine student chapter officers, and one student chapter advisor who were not current members of The Wildlife Society -- a violation of TWS bylaws. Two inactive chapters were dissolved: Costa Rica (established in 1985) and Louisiana Tech University (established in 1973). The proposed North of Mexico Chapter is making good progress.

Working Groups: During 1996, 1,153 members belonged to one or more working groups for a total of 1,629 working group memberships. These numbers are about 20% lower than 1995. However, working group membership counts for early 1997 are about 20% higher than in early 1996. Council approved official status for the Biometrics Working Group. Council extended the deadline for achieving official status for all "overdue" working groups until March 1998. All new working groups formed will be given three years to achieve official status (rather than the current two years).

Wildlife Habitat Council: The Wildlife Habitat Council has requested assistance from The Wildlife Society in providing technical expertise to their member companies interested in managing their corporate lands for wildlife. Individual members and chapters will be asked to provide assistance as needed.

Sustainable Forestry Initiative: Council reviewed and agreed to support the American Forest & Paper Association (AF&PA)'s Sustainable Forestry Initiative (SFI) by: (1) sending a letter of support and encouragement for the process as a step in the right direction, but short of full endorsement; and (2) requesting to be involved in the implementation and evaluation phases by serving on the expert panel. The SFI's principles and implementation guidelines represent AF&PA members' commitment to sustainable forestry, and the measures by which the public can benchmark that commitment. AF&PA's 250 member companies represent 63 million acres -- 95% of industrial forest lands, 75% of paper products production, and 50% of solid wood production in the U.S.

Technical Reviews: Work continues on four technical reviews: Endangered Species Act, Role of Bowhunting in Wildlife Management, Wildlife Contraception, and Wildlife Performance Measures for Ecosystem Management.

Wildlife Policy: 1997 Priority Issues: First Priority - 1996 Farm Act implementation, biological diversity, Clean Water Act reauthorization, ecosystem management, federal budgets, Endangered Species Act reauthorization, grazing on public lands, National Wildlife Refuge management, forest management, wetlands conservation, wildlife diversity funding initiative (Teaming With Wildlife), and wildlife research priorities and funding; Second Priority - 1872 Mining Law reform, grizzly bear recovery, habitat mitigation, federal public land management planning, takings legislation, wilderness management, and wolf restoration and management. Although all issues receive some attention, the major focus in 1997 is on the 1996 Farm Act implementation and Teaming With Wildlife.

Finances: Total income in 1996 was \$1,402,301 and total expenses were \$1,515,882 for a year-end deficit of \$113,581. The deficit primarily was the result of much lower than expected registration income at the annual conference and higher than expected printing and postage expenses. The revised 1997 budget projects a year-end deficit of \$44,000 due to the anticipated hiring of a Managing Editor. Income for the position will not begin until 1998 when the proposed dues increase is implemented.

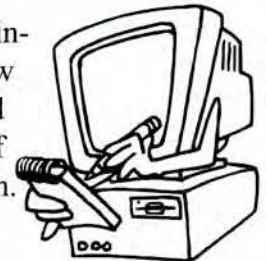
Grants in Support of Conferences and Symposia: A grant of \$1,000 was awarded to the Midwest Oak Savanna and Woodland Conference in Madison, Wisconsin, 30 July - 2 August 1997.

North American Travel Grant: A grant of \$1,500 was awarded to Sándor Csányi (Hungary) to visit universities in the United States during the fall of 1997 to review curricula.

Improving TWS Electronic Communications. TWS is in the process of upgrading its electronic communications (email, listserve and home page) through improved technologies and staffing.

TWS Updates E-mail System to More Efficiently Assist You

Each staff person now has their individual e-mail address. Below is a list of topics of interest and the e-mail address of the staff person to contact for information.



Advertising Information for WSB:

yanin@wildlife.org

Annual Conference Information: lorraine@wildlife.org

Changes of Address: mary@wildlife.org

Internship Information: stephanie@wildlife.org

Mailing Labels: nathaniel@wildlife.org

Membership: mary@wildlife.org

North American Travel Grant: yanin@wildlife.org

Page Charges (JWM, Monographs, WSB) jane@wildlife.org

Professional Development Program: jane@wildlife.org

Publications: cj@wildlife.org

Sections, Chapters, and Working Groups:

lorraine@wildlife.org

Support for Conferences and Symposia: yanin@wildlife.org

The Wildlifer: yanin@wildlife.org

Web Page Suggestions: nathaniel@wildlife.org

Wildlife Biologist Certification Program: cj@wildlife.org

Wildlife Policy: intern@wildlife.org

Not Sure? tws@wildlife.org

REPORTS FROM SECTIONS, CHAPTERS, WORKING GROUPS, COMMITTEES AND MEMBERS

GIS/RS Uses in Wildlife Research and Management

The paragraphs to follow are examples of GIS/RS uses in wildlife research and management. This is just a drop in the bucket, however, and we will continue to highlight such projects in future issues. For more diverse and thorough exchanges on GIS/RS-related wildlife topics stop by the GIS and Remote Sensing Working Group poster session/social at Snowmass in September.

COASTAL HABITAT MAPPING: The Fish and Wildlife Service Gulf of Maine Project mapped important habitats of coastal New Hampshire to highlight areas for conservation. A GIS was used to map environmental variables (e.g., vegetation types, food resources, temperature, salinity, substrate) and species-specific spatial models were created based on habitat preferences. Habitat suitability indices were then calculated and compared to occurrence data to test models. Suitability indices for each species were indexed to relative scarcity and combined into aggregate maps for use by federal and state agencies and NGO's in conservation efforts. Visit <http://rossby.unh.edu/edims/banner/gbay/gbay.htm> for more information (submitted by Arnold Banner and Gerald Hayes, U.S.F.W.S. Gulf of Maine Project).

WILD TURKEY MANAGEMENT: Wild turkey range maps are used in combination with maps depicting land use, land ownership, and habitat quality to develop turkey range expansion plans and set hunting season structure in Minnesota. Turkey observations are converted to UTM locations and input into a GIS. Range maps are then produced which, when filtered by numbers of turkeys observed, provide relative density information. The GIS allows the DNR to monitor the distribution and abundance of wild turkey and incorporate social and environmental information into turkey management plans. For more information see Kimmel, R.O., J.H. Poate, and M.R. Riggs. 1995. Spatial handling of wild turkey survey data using geographic information system mapping procedures. Proc. Natl. Wild Turkey Symp. 7:219-223.

PRAIRIE RESTORATION: In Texas, GIS and remote sensing are used to evaluate how grazing and browsing may benefit prairie restoration efforts. Intensive grazing is coordinated with harvest or mulching to prepare soil and canopy for new growth. Growing biomass, species differentiation, and livestock "trailing" are monitored using a high resolution, multispectral camera. Using GIS this information is combined with data such as soil type, grazing history, and management treatments to assess grazing as a prairie restoration tool; a tool with the potential for greater control of effects and faster improvement of soils. For more information contact R.H. (Dick) Richardson at the University of Texas, Austin (email: drichardson@mail.utexas.edu).

If you wish to share your work with TWS send a brief synopsis to: **Jacqui Frair, Bureau of Land Management, 1150 University Avenue, Fairbanks, AK, 99709** or email jfrair@ak.blm.gov.

HDWILD Listserve Up and Running

The Human Dimensions of Wildlife Study Group, through the efforts of Donna Minnis at Mississippi State University, has formed its own listserv, HDWILD. If you are not already on the list, you are invited to subscribe by sending the following 2-line message to: Majordomo@magnolia.cfr.msstate.edu:

subscribe hdwildlist
END

Note: the "subject" line in your message should be left blank.

Since the list began on 29 October 1996, the number of subscribers has steadily increased, with nearly 300 currently on-line. The list server promises to be an effective way to network with others interested in the human dimensions of wildlife.

If you have questions or problems related to HDWILD, contact Donna as follows: Donna L. Minnis, Assistant Professor, Human Dimensions, Department of Wildlife and Fisheries, Mississippi State University, Box 9690, Mississippi State, MS 39762; Phone 601-325-0989; e-mail: dminnis@cfr.msstate.edu.

Michigan State University's Student Chapter Summary of Spring Activities

The Michigan State Fisheries and Wildlife Club had a very busy spring, eagerly participating the Lansing community. At Rose Lake this February we surveyed the Woodduck houses, counting dead and broken eggs and noting evidence of raccoon, squirrel, and owl activity in the houses. We then provided new houses in designated areas. Small Animals Day at the Mall kept the club busy for most of March. We created a booth with several live snakes and frogs, native to the Michigan area, providing a hands-on encounter for our audience. Furthermore, we contributed several preserved native bird specimens to allow a superior instructional environment. It was a very successful booth, that allowed the club positive interaction with the Lansing community. Our Prairie Burn was held April 2. It was initiated in the back, progressing up the sides, and finishing in the front. The fire jumped at one point, but was quickly extinguished by the East Lansing Fire Department. Native grasses and wildflowers were then replanted, and old brush was slashed and placed in a pile for rabbits and others to enjoy. To finish off the Spring semester a bird watching seminar was held on campus by our advisor, Dr. Hayes. A booth was assembled for Small Animals Day on campus, and a booth is currently under construction for Migratory Bird Day at

Potter Park Zoo on May 10. As a whole, the Club has had a very flourishing, enjoyable year interacting with the Lansing community. We anxiously await the upcoming Fall semester to assert ideas that we were not able to initiate this semester.

*Submitted by Shannon Beaucaire
Outreach Chairperson*

WILDLIFE STUDENT AWARD RECIPIENTS

The Boone and Crockett Club generously donated copies of James B. Trefethen's book, *An American Crusade for Wildlife*, for use by student chapters of The Wildlife Society to recognize outstanding senior wildlife students. Student chapters that participated in 1997 developed criteria to select recipients based on a combination of academic excellence and extracurricular wildlife and natural resource involvements.

The Wildlife Society is pleased to list the 1997 recipients of student chapter Wildlife Student Awards. Congratulations to all.

Elizabeth Acree, Southern Illinois University
Heather Catlin, Michigan State University
Patrick Devers, Colorado State University
James Forester, Frostburg State University
Jacob S. Ivan, Purdue University
Dean B. Kubacz, Clemson University
Dennis A. McAfee, Jr., Stephen F. Austin State University
Bradford J. Miller, West Virginia University
Randy S. Mowrer, Eastern Kentucky University
Renea Ruffing, Penn State University
Dorothy Jean Wolf, University of Georgia



Robert J. Warren, professor of wildlife ecology in the University of Georgia's Warnell School of Forest Resources, was recognized recently by the National Park Service for outstanding natural resource research in Southeastern parks. During the past decade, Warren has conducted research on the ecology of white-tailed deer on Catoctin Mountain Park, Maryland; Cumberland Island National

Seashore, Georgia; and Chikamauga National Battlefield Park, Georgia. He conducted studies on feral hogs, armadillos and reintroduced bobcats as natural predators on Cumberland Island National Seashore. He has also studied the use of contraceptives on white-tailed deer and feral horses for possible use in parks and urban areas where hunting is restricted. Warren (left) accepts the award from Suzette Kimball, associate regional director of the National Park Service.



Kevin Hurley, Wildlife Biologist with the Wyoming Game & Fish Department, recently received the "1997 State Statesman Award" from the Foundation for North American Wild Sheep. The "1997 Federal Statesman Award" was given to **Jack**

Ward Thomas, former Chief of the U.S. Forest Service and currently the Boone & Crockett Chair at the University of Montana. Both awards were presented at the FNAWS 20th Annual Convention, this year held in Philadelphia, PA.



TWS Life Member **Joseph S. Larson** was named 1997 Conservationist of the Year by the Massachusetts Wildlife Federation. Larson is Professor and Director of the Environmental Institute at the University of Massachusetts, Amherst.



Congratulations and welcome to new student chapters at **Lake Superior State University** in Sault Ste. Marie, Michigan (June 23, 1997) and **University of Wisconsin - Madison** (June 23, 1997).

CALL FOR NOMINATIONS

1998 Aldo Leopold Memorial Award

The highest honor bestowed by The Wildlife Society is the Aldo Leopold Memorial Award and medal. It is presented for *distinguished service to wildlife conservation*. The basic criterion is the significance of an individual's contribution(s) to the wildlife field. The award is not given posthumously. Recent recipients include Glen Sanderson (1992), David Mech (1993), Jim Teer (1994), Jack Berryman (1995), Robert Nelson (1996), and this year's recipient, Milton W. Weller.

The Aldo Leopold Memorial Award Committee needs your help. This is an opportunity for you to assure recognition for individuals who make an enduring contribution to wildlife conservation. Each nomination should include a statement emphasizing the basis for determining "distinguished service to wildlife conservation," a detailed C.V., and no more than five supporting letters. Six (6) copies of the nomination should be submitted.

Please assist this year's committee by submitting a nomination and complete supporting documentation for outstanding and deserving recipients by **1 October 1997** to **Morley W. Barrett, Chair, Aldo Leopold Memorial Award Committee, Alberta Dept. of Environmental Protection, Natural Resources Service, Main Floor, North Tower, Petroleum Plaza, 9945-108 Street, Edmonton, Alberta, Canada T5K2G6.**



Workshops and Courses of Interest

This page will be a regular feature in *The Wildlifer*. Due to space limitations, please submit a *concise* description with a contact for further information (see page 67 for deadlines).

Working with Wetlands and Wildlife Workshop

The Wildlife Habitat Council in cooperation with the Environmental Protection Agency, Army Corps of Engineers, the National Resource Conservation Service and the U.S. Fish and Wildlife Service are sponsoring two wetlands/wildlife workshops. The workshops are scheduled for Denver, Colorado, on September 24-25, 1997, and Sacramento, California, in mid to late January, 1998. The workshops will address the techniques opportunities, benefits and costs of wetlands management. The sessions will demonstrate the most effective and efficient means of planning and implementing wetlands restoration, creation, and management projects and promote proactive management of wetlands for maximum benefits. Participants will learn how to develop a wetlands management project step-by-step, from setting goals through implementation, including planning and permitting. Experts from regulatory agencies and corporations will share their experiences and insight into the best practices in planning, using the flexibility available within wetlands regulations, improving environmental quality, public relations and corporate image through proactive wetland management. Among the featured speakers are representatives from the Corps of Engineers and the EPA addressing wetland delineations, regulations, permits, watershed planning and mitigation. For more information contact the **Wildlife Habitat Council (WHC) at 1010 Wayne Avenue, Suite 920, Silver Spring, MD 20910 or telephone 301/588-8994.**

Rutgers University - Cook College Courses

Rutgers University, Cook College, New Brunswick, NJ, is offering the following special courses. To register or receive additional information, please contact the Cook College Office of Continuing Professional Education at (908) 932-9271.

Aug. 14-15 **VEGETATION IDENTIFICATION FOR WETLAND DELINEATION.** Basking Ridge and Andover Township, NJ. This two-day course, taught entirely in the field, is filled with hints and short cuts that help you to identify confidently the plant species that are important in determining whether an area meets the vegetation criterion for a wetland. Participants will receive field guides covering the vegetation examined during the course.

Sept. 9-10 **IDENTIFYING GRASSES, SEDGES AND RUSHES.** New Brunswick, NJ. Minor differences among the grasses and grasslikes can have major importance in wetland determinations. This classroom course will take the mystery out of identifying grasses, sedges and rushes. All registrants will receive field guides.

Sept. 24-25

HYDRIC SOILS. Basking Ridge, NJ. The ability to identify hydric soils is a fundamental skill needed to perform wetland delineations. This two-day course will provide you with the practical skills, regulatory criteria and field techniques necessary for accurate wetland delineations. You will learn all stages of hydric soil identification, including key field indicators, soil texture by feel, the Munsell Soil Color System and soil taxonomy.

Sept. 26 - 27

METHODOLOGY OF DELINEATING WETLANDS. Basking Ridge and Highstown, NJ. This demanding field course will help you improve your skills and gain hands-on delineation experience using the methods outlined in the 1987 ACOE Manual. Lecture topics include: interpreting technical criteria for soils, vegetation and hydrology; determining dominance of vegetation and identifying hydric soils; investigating disturbed areas; and terminology and procedures used to delineate wetlands and review permit applications.

Nov. 17-18
Nov. 20-21

Basking Ridge and Andover Township, NJ
Toms River and Lebanon State Forest, NJ
WINTER VEGETATION IDENTIFICATION FOR WETLAND DELINEATION. Wetland delineations become more difficult in winter, but most species of vegetation remain available for identification if you know what to look for. This two-day field course will present techniques for the identification in winter of more than 100 species of woody and herbaceous plants commonly encountered when delineating wetlands.

Natural Resources Management with GIS and Remote Sensing

A series of workshops on Natural Resources Management with GIS and Remote Sensing are being offered this fall by the University of California Cooperative Extension, College of Natural Resources, Berkeley. The workshops will cover a range of principles, techniques, and data in use to help the participants enhance the natural resources management routines with GIS and remote sensing technology. It is highlighted with intensive hands-on technical training, extensive data introduction, and real world problem solving case-work in the context of GIS, remote sensing, and natural resource management. For further information contact: **Joni Rippee, University of California, ESPM, 163 Mulford Hall #3114, Berkeley, CA 94720; 510/643-5429; FAX 510/643-5438.**

MEETINGS OF INTEREST



1997

- Aug 7-10 **Quail Unlimited National Convention**, University Plaza Hotel, Springfield, MO. Connie Green, Director of National Events, PO Box 610, Edgefield, SC 29824-0610; 803-637-5731.
- Aug 12-14 **Seventh Annual Meeting of Bird Strike Committee-USA**, Ramada Inn, Logan International Airport, Boston, MA. (James Forbes, USDA, Animal Damage Control, 518/477-4837; FAX 518/477-4899.
- Aug 12-15 **Mesocarnivores of Northern California: Biology, Management, and Survey Techniques**. Humboldt State University, Arcata CA. (California North Coast Chapter TWS, P.O. Box 4553, Arcata CA; e-mail cncctws@northcoast.com or call Sandra von Arb at (707) 445-7805).
- Aug 27-30 **24th Annual Natural Areas Association Conference and Exotic Pest Plant Council Conference**, Doubletree - Lloyd Center Hotel and Conference Center, Portland, OR. (Great Lakes Natural Areas Conference, PO Box 30180, Lansing, MI 48909-7680).
- Sept 1-6 **International Conference on Wildlife Management and Land Use in Open Landscapes**, Lyon, France. (Paul Havet, I.U.G.B. Chairman, Office National de la Chasse, 5 Rue Saint Thibault, 78610, Auffargis, France.)
- Sept 1-4 **11th Intl. Conf. on Bear Research and Management, European session**, Graz, Austria. (MONDIAL Congress, Faulmannstrasse 4, Z-1040 Vienna, Austria; +43 1 588 04 160, Fax +43 1 586 91 85, email congress@mondial.via.at.)
- Sept 21-23 **Forum on Wildlife Telemetry: Innovations, Evaluations, and Research Needs**, Snowmass, CO. (Jane Austin, Northern Prairie Science Center, 8711 37th Street, SE, Jamestown, ND 58401; 701/252-5363; Fax: 701/252-4217.)
- Sept 30 - Oct. 1 **Management of Successional Habitats for Wildlife**. Meadville, Pennsylvania. (Erie NWR, 11296 Wood Duck Lane, Guys Mills, PA 16327; 814/789-3585; FAX 814/789/2909; email: R5RW_ERNWR@mail.fws.gov)
- Sept 21-27 **4th Annual Conference of The Wildlife Society**, Snowmass Village, Colorado. (Lorraine L. LeSchack, The Wildlife Society, 5410 Grosvenor Lane, Bethesda, MD 20814; 301/897-9770; FAX 301/530-2471; e-mail: tws@wildlife.org.)
- Sept 22-23 **The Wildlife Society Annual Council Meeting**, Snowmass Village, Colorado. (Harry E. Hodgdon, The Wildlife Society, 5410 Grosvenor Lane, Bethesda, MD 20814; 301/897-9770; FAX 301/530-2471; e-mail: tws@wildlife.org.)
- Oct 4-8 **51st Annual Conference of the Southeastern Association of Fish and Wildlife Agencies**, Oklahoma City, OK. (Kim Erickson, PO Box 53465, Oklahoma City, OK 73152; 405/521-3721.)
- Oct 8-11 **27th North American Symposium of Bat Research**, Tucson, AZ. (Dr. Tom Griffiths, Dept. of Biology, Illinois Wesleyan University, Bloomington, IL 61702-2900; 309/556-3230; email: tgriff@titan.iwu.edu.)
- Oct 10-12 **1997 Inland Bird Banding Association Annual Meeting**, Camp Perry Clubhouse, Port Clinton, Ohio. (Julie Shieldcastle, Black Swamp Bird Observatory, P.O. Box 228, Oak Harbor, OH 43449; 419/898-4070.)
- Oct 16-19 **Eighth Eastern Wildlife Damage Management Conference**, Clarion Hotel, Roanoke, VA. (Jim

- Parkhurst, VA Tech 540/231-5573; or Martin Lowney, USDA APHIS-ADC 804/739-7739.)
- Oct 23-25 **Research and Management of Cowbirds in Eastern and Western Landscapes**, Red Lion Sacramento Inn, Sacramento, California. (Michael Morrison, Dept. of Biological Sciences, California State University, Sacramento, CA 95819; 209/267-1840; FAX 209/267-1840; e-mail trogon@pacbell.net; or Linnea Hall 916/278-6573; FAX 916/278-6993; e-mail lshall@saclink.csu.edu).
- Nov 2-4 **Automated Sportsmans Data Systems Symposium** (Nov. 2 - 4) and U.S. Fish and Wildlife Service Harvest Information Program (HIP) Workshop (Nov. 5), Radisson Hotel City Centre, Indianapolis, IN. Sponsored by International Association of Fish and Wildlife Agencies and U.S. Fish and Wildlife Service. (Hannah Kirchner, Symposium Coordinator, P.O. Box 192, Amisville, VA 20106; 540-937-3737; fax: 540-937-8278; e-mail: hkirchner@summit.net.)
- Nov 12-15 **1997 International Conference of the Society for Ecological Restoration**, Ft. Lauderdale, FL. (Society for Ecological Restoration, 1207 Seminole Highway, Madison, WI 53711; 608/262-9547; FAX 608/265-8557; email: ser@vms2.macc.wisc.edu.)
- Dec 7-10 **59th Midwest Fish and Wildlife Conference**, Hyatt Regency Hotel and MECCA in Milwaukee, Wisconsin. (Gerald A. Bartelt, Wisconsin Dept. of Natural Resources, 1350 Femrite Drive, Monona, WI 53716; 608/221-6344; FAX 608/221-6353; e-mail: barteg@dnr.state.wi.us.)

1998

- Feb 9-13 **Western States Bat Working Group, Bat Conservation Workshop**, Peppermill Hotel Casino, Reno, NV. (Lyle Lewis BLM/IJSFS, 2620 Kimberly Rd., Twin Falls, ID 83301; 208/736-2368 or 208/373-3819; FAX 208/373-3805; or Charlene Vullo, BLM, 2620 Kimberly Rd., Twin Falls, ID 83301; 208/736-2369; FAX 208/736-2375; e-mail: cvullogid.blm.gov)
- Mar 20-24 **63rd North American Wildlife and Natural Resources Conference**, Omni Rosen Hotel, Orlando, Florida. (L.L. Williamson, Wildlife Management Institute, 1101 14th Street, N.W., Suite 801, Washington, DC 20005; 202/371-1808.)
- Mar 23-27 **18th Biennial Pronghorn Antelope Workshop**, Prescott Resort, Prescott, AZ. (Richard A. Ockenfels, Arizona Game and Fish Department, 2221 W. Greenway Road, Phoenix, AZ 85023; 602/789-3379; fax 602/789-3918; e-mail: rockenfels@gf.state.az.us)
- April 7-9 **Annual Desert Bighorn Council Meeting**, Las Cruces, New Mexico. David Holdermann, White Sands Missile Range (505) 678-2641/Eric Rominger, NMDGF Bighorn Contractor(505) 992-8651 or 827-9917.
- April 19-24 **11th International Conference on Bear Research and Management**, Park Vista Hotel, Gatlinburg, Tennessee, USA. (Michael R. Pelton, Univ. of Tennessee, Dept. of Forestry, Wildlife and Fisheries, P.O. Box 1071, Knoxville, TN 37901, USA; 423/974-7126; FAX 423/974-4714; e-mail: pelton@utkux.utcc.utk.edu).

POSITIONS AVAILABLE

BOBWHITE FIELD TECHNICIANS (3) needed 1 Oct. - 30 Nov. 1997. Duties include trapping, banding, radio-marking, and scanning lipid levels of quail as part of a study of radio effects in NE MS. Applicants should be independent workers with strong work ethic. Long hours in the field. Experience preferred, but will train. Housing and equipment provided. \$6.00 per hour. Send resume and phone numbers (email if possible) of 3 references to Wes Burger, Dept. of Wildlife and Fisheries, Mississippi State University, Box 9690, Mississippi State, MS 39762-9690 (wburger@cfr.msstate.edu).

CONSERVATION SCIENTIST I-V #W7100-191. Assists in planning, supervising, conducting, and evaluating the collection of research investigational data on wildlife species and habitat in the Pandle Regulatory District. Assists landowners and land managers in formulating wildlife and habitat management recommendations on private lands. Disseminates information in support of TPWD programs to the general public through news releases, radio/television, interviews, program presentations and other public outreach and educational opportunities. Prepares technical reports, popular articles, and professional journal publications. Assists with management, maintenance, research and habitat enhancement on Wildlife Management Areas and on TPWD public lands as assigned. Salary \$2,121-\$3,064/month DOE. For more information contact: **Texas Parks and Wildlife Dept. Employment Recruitment, and Retention Branch, 4200 Smith School Road, Austin, TX 78744; 512/389-4954 or 1-800-792-1112.**

CONSERVATION SCIENTIST I-V (Coastal Wetland Biologist) #W7100-065. Responsible for wetlands research, management, development and public use on the various management areas. Assists with wetlands baseline inventories, vegetative type mapping and water flow monitoring. Collects, records and analyzes biological data and observations regarding habitat and wildlife species. Serves on the Region alligator species committee, collects data and assists in annual reporting on alligator harvest and management. Maintains records and prepares reports involving scientific data, personnel, purchasing and monthly reports. Provides information to the public and conservation organizations. Assists with public hunts, maintenance and other programs as assigned. Assists private landowners with proper wetlands management initiatives. Salary \$2,121-\$3,064/month DOE. For more information contact: **Texas Parks and Wildlife Dept. Employment Recruitment, and Retention Branch, 4200 Smith School Road, Austin, TX 78744; 512/389-4954 or 1-800-792-1112.**

CONSERVATION SCIENTIST I-V (Research Analysis) #W7100-220. Provides technical support to the Wildlife Division program and field staff. Consults with staff on experimental design and analysis. Designs public survey questionnaires to answer questions about wildlife management practices and regulations. Performs statistical analy-

sis of wildlife population, harvest, and public opinion data. Conducts and analyzes mail-out surveys. Provide internet/intranet/data base server applications for data entry, storage, analysis, and retrieval systems. Provides computer hardware/software support. Salary \$2,121-\$3,064/month DOE. For more information contact: **Texas Parks and Wildlife Dept. Employment Recruitment, and Retention Branch, 4200 Smith School Road, Austin, TX 78744; 512/389-4954 or 1-800-792-1112.**

DEAN. School of Forestry at Auburn University. The Dean serves as chief administrative officer of the School with responsibility for development, implementation and management of teaching, research and extension/outreach programs. The Dean reports to the Provost of Auburn University, serves as an Associate Director of the Alabama Agricultural Experiment Station, and is Administrative Technical Representative for the McIntire Stennis

For Sale

Wildlife Monographs Nos. 1 to 134, Nos. 84, 123 missing. All in very good condition. Buyer must take all issues. \$450.00 plus shipping. Will continue to forward new monographs. **B. James Jokerst, P.O. Box 202, West Glacier, MT 59936.**

Cooperative Forestry Research Program. Candidates must hold an earned doctorate, with at least one degree in forestry or closely-related natural resource field and must have experience and credentials appropriate to the tenured, full professor rank. The Dean must be an effective representative of the School within the University and with constituents of the School. Candidates must provide evidence of administrative skills, energetic leadership and innovative thinking. In collaboration with the School's faculty and constituents, the Dean must articulate a vision for the School's future and provide resourceful fiscal and personnel management to accomplish that vision. Candidates must demonstrate a commitment to effective undergraduate, graduate, extension and professional education; a sustained record of scholarship; and a history of contributions to professional organizations. Salary is commensurate with experience. To view a complete position announcement and for more information on the School of Forestry access the School's home page at: www.forestry.auburn.edu. The position is available April 1, 1998. Consideration of applications will begin August 1, 1997 and will continue until a candidate is selected and recommended for appointment. Send a letter of application, a curriculum vitae, names, addresses, and telephone numbers of five references, and a general vision statement for a university forestry program in the southeastern US; or letters of nomination including names and complete address of nominees to: **Dean June M. Henton, Chair, SOF Dean Search Commit-**

tee, School of Human Sciences, 210 Spidle Hall, Auburn University, AL 36849; 334/844-3790; FAX: 334/844-3749; email: henton@humsci.auburn.edu. Auburn University is an AA/EEO Employer. Women and Minorities are Encouraged to Apply.

DIRECTOR, The Institute of Wildlife and Environmental Toxicology (TIWET), and **CHAIR,** Dept. of Environmental Toxicology (Entox), Clemson University. TIWET and Entox are nationally recognized for excellence in environmental research and graduate education. Research programs within TIWET include terrestrial and aquatic ecotoxicology, behavioral and biochemical toxicology, analytical and environmental chemistry, ecological modeling and geographic information systems, ecological risk assessment, and quality assurance. Entox administers both Master of Science and Doctor of Philosophy degrees. The Director/Chair works closely with the Associate Chair of the Department, and university faculty and administration, to develop extramural funding, academic programs, and new research initiatives with state and federal agencies, and industry. The successful candidate should have a proven record of administrative experience, academic excellence, and leadership, including excellent interpersonal communication skills. Applications, including a curriculum vitae, statement of research philosophy and vision, and names and addresses of four references should be sent to: **Chair, Director/Chair Search Committee, TIWET, P.O. Box 709, Pendleton, SC 29670.** Applications will be reviewed beginning immediately and the search will remain open until a suitable candidate is identified. *Clemson University is AA/EEO. Women and minorities are especially encouraged to apply.*

ECOLOGICAL CONSULTANT needed immediately for project manager/scientist position with Orlando-based consulting firm. M.S. or Ph.D. in botany, wildlife ecology, wetland ecology, or aquatic ecology, and experience in Florida and/or the Southeast preferred. Duties include wetland permitting and monitoring, and protected species assessments for public and private-sector clients. Competitive salary and benefits. Send resume to: **Dr. Jay Exum, Director of Environmental Services, Glatting Jackson Kercher Anglin Lopez Rinehart, Inc., 33 East Pine Street, Orlando, FL 32801; 407/843-6552; FAX 407/839-1789; email: jexum@glatting.com.**

ENVIRONMENTAL AND NATURAL RESOURCES ISSUES AGENT to serve multi-county area in planning, implementing, conducting and evaluating extension educational program in the broad areas of natural resources and the environment. Agent will work with state and county agencies, planners, builders, developers, local government officials and business leaders who are responsible for managing natural resources in urban and rural settings. Specific areas of emphasis will include air quality; solid, animal, hazardous waste management; land use planning, wildlife management; and conflict management. B.S. degree in Natural Resource Management, Wildlife Management, Forestry, Resource Policy, Environmental

Sciences or Environmental Education required. Master's degree is preferred, related experience desirable. Candidate should possess teaching, program development and evaluation skills; and demonstrate positive human relations and effective communication skills. Competitive salary and a liberal benefits package offered. To obtain an application contact: **Human Resource Services, Box AENR4, 307 Agricultural Administration Building, The Pennsylvania State University, University Park, PA 16802.** An AA/EOE. Women and minorities encouraged to apply.

FIELD ASSISTANTS NEEDED (3 positions) from 1 Aug. - 1 Dec. for research project on survival, movement, and habitat use of captive-reared Amazon parrots in dry forests of the West Indies. We are evaluating releases of Hispaniolan Parrots *Amazona ventralis* raised in the same aviaries and conditions as the endangered Puerto Rican Parrot *Amazona vittata*. The project is located at Parque Nacional del Este, a 400 Km dry forest reserve in southeastern Dominican Republic. Fieldwork will require working long hours in hot, dry, and hazardous terrain. Ability to work with minimum supervision is required. Primary responsibilities will include; tracking radio-marked (captive + wild) parrots, monitor pre-release parrot activity from observation blinds, monitor parrot activity and movements from canopy lookout platforms, collect wild foods for pre-release parrots, and collect habitat data. Airfare, lodging and a weekly stipend (\$65) will be provided. Valid passport is required. Please send resume and 2 letters of recommendation to **FRANCISCO J. VILELLA, Cooperative Fish and Wildlife Research Unit, Mail Stop 9691, Mississippi State, MS 39762; email: fvilella@cfr.msstate.edu**

FIELD RESEARCH ASSISTANTS needed for Fish & Wildlife Service recovery project on the Hawaiian crow (*Alala). Duties include locating and monitoring nests, conducting behavioral and foraging observations, radio-tracking, and predator trapping. Three positions available 1 July - 1 October and three more available 1 October - 1 January. Exact dates are negotiable and longer commitments are encouraged. Housing, equipment, training, and \$300 monthly food stipend provided. Applicants must provide own airfare to Kona or Hilo, Hawaii. **QUALIFICATIONS:** B.S. in Wildlife Biology or similar field, plus six months field research experience. Must be in excellent physical condition and able to work under primitive conditions in rainforest. Demonstrated ability to work well with various people under close conditions. Send resume or CV, transcripts, and the names and phone numbers of 3 references with cover letter to **DONNA BALL, U.S. Fish and Wildlife Service, P.O. Box 44 Hawaii National Park, HI 96718** or email **Donna_L_Ball@nbs.gov**

NORTHERN BOBWHITE FIELD TECHNICIANS (3); (1) needed late September - mid December and (2) needed late September - late March, for radio-telemetry study in east-central Kansas. Duties will include trapping, radio-telemetry, euthanasia, transect counts, raptor counts. Should

have a strong work ethic, ability to work independently, willingness to euthanize birds, raptor ID skills, willingness to use own vehicle (occasionally), and a B.S. or degree candidate in Wildlife or related fields. Must have a valid drivers license and ability to drive manual transmission vehicles. Training, some vehicles, and approximately \$900 month salary provided by Kansas Department of Wildlife and Parks. Send resume, cover letter, and 3 references by September 1, 1997 to: **Chris Williams, Department of Wildlife Ecology, University of Wisconsin, 1630 Linden Drive, Russell Labs, Madison, WI 53706; (608) 263-7595; e-mail: ckwillia@students.wisc.edu.**

REGIONAL FIELD DIRECTOR responsible for the initiation, organization, and servicing of Rocky Mountain Elk Foundation fundraising committees within assigned region. Coordinates project selection and implementation, stimulates the formation of local committees and assists with the planning, organization, and execution of successful fundraisers; ensures compliance with RMEF procedures; maintains liaison with state wildlife departments, federal land management agencies, university wildlife departments, conservation organizations, sportsmen's groups, and outfitter/guide associations; serves as Chairman of RMEF State Project Advisory Committees, and coordinates selection of specific projects for RMEF funding, etc. Must enjoy working with people, possess excellent communication and organizational skills, outstanding leadership ability, be willing to travel extensively, and have a strong background in natural resource management. Public relations and sales experience desirable. A B.S. degree in wildlife management or closely related field, and five years experience in natural resource management are preferred. Contact: **Terry Wayne Cloutier, Rocky Mountain Elk Foundation, Regional Supervisor, 1408 N.E. 186th Street, Holt, MO 64048 (816) 264-2681 or Fax (816) 264-2682.**

VOLUNTEERS. Full-time volunteers (1-2) needed for radio telemetry study of coyotes, bobcats and gray foxes in the Santa Monica Mountains, California. Primary tasks will include monitoring radio-collared animals via ground triangulation, recording telemetry data, and entering data into computer databases. Experience in use of radio-telemetry, and orienteering preferred. Vehicle operation and a valid Driver's License are required. Housing and living/travel stipend available. Three month commitment required. Send letter of inquiry and resume to: **Eric C. York, U.S. National Park Service, 30401 Agoura Rd, Suite 100, Agoura Hills, CA 91301, or via email at eric_york@nps.gov.**

WILDLIFE BIOLOGIST. Seasoned wildlife professional to coordinate research and develop educational outreach programs for new Pineland Stewards Project. The successful candidate for this three-year appointment will have: extensive knowledge of wildlife habitat management in southeastern pinelands; experience working with private, non-industrial forest landowners; well-honed verbal and written (electronic and print

media) communication skills; and MS in wildlife or related field; a willingness to relocate to Edgefield, SC and travel frequently throughout the southeast; the ability, energy, and commitment to turn this three-year opportunity into a career with The National Wild Turkey Federation. Please submit letter of interest, resume/cv and three professional references to **Dr. James Earl Kennamer, NWTF, P.O. Box 530, Edgefield, SC 29824.**

WILDLIFE ECOLOGIST: Assistant/Associate Professor, Department of Range, Wildlife, and Fisheries Management, Texas Tech University, tenure-track, 9-month faculty position available January 1, 1998. Summer salary normally available through a combination of teaching and research. The position is about 50% teaching and 50% research with a typical teaching load of 3 or 4 courses per year. Applicant should have a Ph.D. in Wildlife Science or closely related area; experience and/or expertise in ungulate ecology, big game management, predator ecology, or landscape ecology desirable. Applicants should send vita, transcripts, description of research interests, and have 3 letters of recommendation forwarded by September 15, 1997 to: **Dr. David B. Wester, Search Committee Chairman, Department of Range, Wildlife, and Fisheries Management, Texas Tech University, Lubbock, TX 79409-2125, Voice: 806-742-2483, FAX: 806-742-2280, e-mail: C7DBW@TTACS.TTU.EDU. Texas Tech is an AA/EO Employer**

WILDLIFE RESEARCH ASSISTANTS (3) to assist with collection of data from ongoing urban deer project from September 1, 1997 - April 15, 1998. Successful applicants will be involved in an urban white-tailed deer movements, mortality, and recruitment study in east central Missouri, near Saint Louis. Primary duties include the capture, radio-tagging, and monitoring of 60-80 white-tailed deer; daily ground and occasional aerial telemetry to monitor deer movements, helicopter and drive counts to measure recruitment; organization and repair of capture equipment; data entry and management of capture, mortality, and recruitment data; daily interaction with the public to explain project goals and objectives. Applicants should have a positive attitude. Other requirements are graduation from an accredited college or university with course emphasis in wildlife management or closely related subject. A safe driving record and ability to operate and safely use 4-wheel drive vehicles, manual transmissions, and ATV's. Familiarity with dBase and Quatro Pro data management software is beneficial. Pay is \$8.00 hr, 40 hours per week, housing and vehicle provided. To apply send resume, cover letter and list of references with phone numbers by 9 August to **Jeff Beringer, Wildlife Research Section, Missouri Department of Conservation 1110 South College Avenue, Columbia, Missouri. Fax 573-882-4517, e-mail Berinj@mail.conserva.state.mo.us** The most qualified applicants will be interviewed by telephone.

WILDLIFE RESEARCH TECHNICIAN needed for a cooperative study on wild turkey populations

in the Flint Hills of Kansas. Starting mid-September and extending until May (OR for 1 to 2 years). Were investigating hen survival, habitat use, and the genetic composition of suspected hybrids between the Eastern and Rio Grande subspecies. Duties will include prebaiting, trapping and handling wild turkeys, and radiotracking. Seeking an enthusiastic applicant willing to work long hours and eager to accept responsibility. No field experience required. \$930/mo. Deadline for application packages is August 27. Send cover letter, resume, and list of 3 references to: **Joe Scaif, Department of Wildlife Ecology, 226 Russell Labs, 1630 Linden Drive, University of Wisconsin-Madison, Madison WI 53706-1598; 608/262-1984, jdscaif@students.wisc.edu.**

WILDLIFE RESEARCH TECHNICIANS (2) Sept. '97 - Mid April '98 \$8/hr. Duties include conducting streamside river otter sign surveys, traveling to trapper's residence and fur dealers to collect carcasses, and necropsying and removing biological samples from carcasses. Employees must be able to work independently in relatively unsupervised situations. Must be able to walk long distances in difficult terrain and withstand uncomfortable field conditions. Must be willing to work long hours in the field. Flexibility and a positive attitude are a must. Successful candidates will have good interpersonal & communication

skills. Applicants with good map reading skills and animal tracking skills preferred. Send cover letter, resume, and the names of 3 references with phone numbers by August 7 to: **Elsa Gallagher 112 Stephens Hall University of Missouri-Columbia, Columbia, MO 65211-0001; email c701241@showme.missouri.edu.**

GRADUATE RESEARCH ASSISTANTSHIPS

GRADUATE RESEARCH ASSISTANTSHIP
M.S. Candidate. Study the ecological impacts of grazing on the canopy structure of perennial plant communities. Results will have direct application to elk management strategies in the Jemez Mountains. A Bachelor of Science in range or wildlife ecology, biology, botany, or related field, a minimum GPA 3.0 on 4.0 scale, and a minimum GRE score of 1,000 (V+Q). Must be able to work alone in extreme field conditions and work well within a team of investigators. Must qualify to drive a federal vehicle. Experience with vegetative measurements, computers, data handling, and analysis is desired. Stipend is approximately \$9,000 per year plus personal health insurance and waiver of out-of-state tuition. Position will be available in the

Fall of 1997 or until suitable candidate is identified, pending acquisition of funding. Applications should include a statement of professional goals, resume, transcripts, copy of GRE scores, and three letters of recommendation. Send application material to: **Dr. Rob Mitchell or Dr. Mark Wallace, Dept. of Range, Wildlife, & Fisheries Management, Texas Tech University, Lubbock, TX 79409-2125; 806/742-2842; FAX 806/742-2280; email: c7wrub@ttacs.ttu.edu (Mitchell); email: c7wmc@ttacs.ttu.edu (Wallace).**

M.S. and Ph.D. projects at Oklahoma State University available starting fall semester 1997 or spring semester 1998. Projects involve evaluating hypotheses on the causes of declines in grassland birds, developing predictive models of quail response to landscape configurations and habitat alterations, developing passive sampling methods for estimation of bird density in sparse populations. Stipends, partial fringe benefits, waiver of out-of-state tuition. GPA of 3.0 or better, GRE (V+Q) of 1100. Prefer students with interests in modeling approach to problem solutions. Contact **Fred S. Guthery at 512/593-2188 or f-guthery@tamuk.edu before 31 July 1997 or at Dept. of Forestry, 008C Agriculture Hall, Oklahoma University, Stillwater, OK 74078; 405/744-5438, thereafter.**



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