

# THE WILDLIFER

(ISSN 0163-6359)

May-June 1989

Publication of Record

Issue No. 234

## FY 1990 BUDGET

The Wildlife Society reviewed the FY 1990 budgets for U.S. Fish and Wildlife Service, Bureau of Land Management, and USDA Forest Service and submitted extensive comments to Congress. Below are highlights of some of the Society's comments.

### U.S. Fish and Wildlife Service

President Bush recently informed the Society that he is committed to ensuring that spending caps on Pittman-Robertson and Wallop-Breaux funds are removed as part of the FY 1990 budget. (See *The Wildlifer*, No. 233, March-April 1989). In May, the Senate approved the budget with the caps removed.

The Wildlife Society also recommended to Congress an additional \$37.1 million for several North American Waterfowl Management Plan projects. The Society urged funding to begin correcting maintenance deficiencies in the national wildlife refuge system, for the newly reauthorized Fish and Wildlife Conservation Act, and for development of national endangered species recovery and biological diversity models.

### Bureau of Land Management

The Society strongly recommended that the proposed elimination of about 40 wildlife biologist positions not be cut, that the endangered species program be funded at \$10 million more than the administration has proposed, and that funds from the Land and Water Conservation Fund be used to acquire key wetlands.

### Forest Service

The Society recommended that Congress appropriate \$18.1 million over the proposed Forest Service budget for habitat management, \$3 million for conservation of old growth on the Tongass National Forest, and \$7 million for the endangered, threatened and sensitive wildlife species management projects. The Society also suggested that Congress fund environmentally sound forest resource management and urban forestry at the state and private levels. In addition, restoration of funds was urged for studies at the Starkey Experimental Forest in Oregon.

### U.S. Agency for International Development (AID)

The Society asked the Senate Foreign Relations and House Appropriations Committee to fund U.S. AID's Energy, Environment, and Natural Resource Program. This program will require \$153.4 million to facilitate ecologically sustainable development in foreign countries and to ameliorate the effects of rapid population growth, deforestation, and loss of biological diversity in these countries.

## SPOTTED OWL

On 26 April 1989, the FWS announced their intentions to list the northern spotted owl as threatened throughout its range. (See *The Wildlifer*, Nos. 232, Jan.-Feb. 1989 and 233, March-April 1989, for the Society's actions relative to spotted owl conservation.)

## AGRICULTURAL POLICY

The Wildlife Society urged President Bush and Agriculture Secretary Yeutter to encourage the Farmer's Home Administration to more effectively implement the conservation easement provision of the 1985 Food Security Act.

The Society supported Senator Fowler's Farm Conservation and Water Protection Act, introduced in 1989 as part of the 1990 Farm Bill. The Act encourages low input sustainable agriculture by deemphasizing excessive use of agricultural chemicals. In addition, the Act promotes a net wetland gain of 1 million acres annually.

## MARYLAND WATERFOWL REGULATIONS

The Society joined with the Maryland-Delaware Chapter, TWS, to oppose 3 waterfowl hunting regulation bills introduced in the Maryland General Assembly. The bills, which did not pass, would have transferred management authority from the Department of Natural Resources to the legislature.

## FUNDING FOR CHESAPEAKE BAY RESTORATION

The Wildlife Society recommended that the Maryland legislature support full funding for Chesapeake Bay restoration programs. While certain Maryland legislators have proposed reductions of 25 to 100 percent in restoration projects such as mapping, nontidal wetlands, urban and agricultural water quality practices, restoration evaluation, and public education, the Governor has proposed a \$5.3 million increase in funding for special bay restoration initiatives.

## MITIGATION REQUEST FOR MISSOURI RIVER

The Corps of Engineers' Missouri River Bank Stabilization and Navigation Project (SNP) has narrowed, deepened, and straightened the river, thereby destroying much of the floodplains and decreasing the surface area and length of the river. Because the Corps has not yet requested funding to mitigate wildlife and fish habitat losses associated with the SNP, The Wildlife Society joined with the Missouri Chapter, TWS, in urging Congress to appropriate \$3 million for FY 1990 so that the natural resource agencies in Missouri, Kansas, and Nebraska can initiate a cooperative mitigation program.

## NOMINATIONS REQUESTED

### ALDO LEOPOLD MEMORIAL AWARD

Nominations and supporting documentation are being solicited for the **1990 Aldo Leopold Award**. This is the highest honor bestowed by The Wildlife Society and is not given posthumously. It is made "for distinguished service to wildlife conservation." Significance of an individual's contribution(s) to the wildlife field is the basic criterion.

Please assist this year's committee in the important task of selecting an outstanding and deserving recipient. Send nominations by **15 July** to: **Bettina Sparrowe, Chairman, Aldo Leopold Award Committee, TWS, 2809 N. 2nd Road, Arlington, VA 22201.** Office: 703/358-1709.

### GROUP ACHIEVEMENT AWARD

The Wildlife Society's **Group Achievement Award** has been given annually since 1966. The award is to recognize an organization or group that accomplishes outstanding achievements to benefit wildlife consistent with and/or assisting in advancing the objectives of The Wildlife Society. The organization or group selected for the award can be a private, state, or federal institution from North America.

Past award winners have included: Texas Utilities System of Dallas, Texas; the National Wild Turkey Federation; the Wildlife Research Section of the Colorado Division of Wildlife; International Association of Fish and Wildlife Agencies; National Audubon Society; American Humane Association; and Environmental Defense Fund.

Nominations should describe the group, its objectives, number of members, and provide a concise statement of accomplishments within the past 3 years. Nominations must be received prior to **1 October 1989**.

Send nominations to: **Alan Wentz, Chairman, Group Achievement Award Committee of The Wildlife Society, c/o Kansas Department of Wildlife & Parks, Route 2, Box 54A, Pratt, KS 67124.**

### SPECIAL RECOGNITION SERVICE AWARD and HONORARY MEMBERSHIP

Nominees are being sought for 2 prestigious awards bestowed by The Wildlife Society:

**SPECIAL RECOGNITION SERVICE AWARD**, intended to honor any person or group who has made an outstanding contribution to: the wildlife profession; the general areas of wildlife conservation, management, or science; or a specific area of endeavor, species, community, ecosystem, region, etc. In addition, any person or group who has made such a noteworthy contribution in a discrete area over the short or long term is eligible for nomination for a Special Recognition Service Award.

Because the **Honorary Membership and Special Recognition Service Award Committee** confers 2 types of awards, nominators must specify that the nomination is for Honorary Membership or for a Special Recognition Service Award, not for both awards. Each nomination should include: 1) Nominee's full name, present position, address, and phone number; 2) Nominator's and endorser's names, addresses, and phone numbers; 3) A clear and concise statement justifying the nomination, including the specific nature, time and place of the nominee's outstanding service and accomplishments. Try to address such criteria as difficulty, insight, scope, importance, acceptance, application, value, impact, geographic scope of contributions; 4) At least 3 signed statements of endorsement. Before **31 August 1989**, send all nomination materials to: **Gerald A. Grau, TWS Honorary Membership and Special Recognition Service Award Committee, National Wetlands Research Center, 1010 Gause Boulevard, Slidell, LA 70458. 504/646-7564.**

### WILDLIFE PUBLICATIONS AWARDS

The Wildlife Publications Awards Committee is soliciting nominations for 4 categories of publications: article; monograph; book (single or multiple authorship); editorship (a multi-authored work with one or more persons identified as editors). Publications must be scientific writings that present original research or thought, have a high scholastic standard in the manner of presentation, be published in a standard outlet, and have a publication date of 1986 or later. Fisheries works are not eligible. Research or management oriented publications dealing with the conservation of wildlife within the natural environment are sought. Textbooks, compilations, or purely popular writings do not qualify; nor do purely taxonomic, anatomical, or physiological treatments. Deadline for nominations: **1 September 1989**.

Please send 1 copy of each publication nominated to each Committee member in the following list and include **Wildlife Publications Awards Committee, TWS**, in the address to ensure proper handling: **Dr. James H. Shaw, Chairman, Wildlife Publications Awards Committee, TWS, Department of Zoology, Oklahoma State University, Stillwater, OK 74078 (405/744-5555); Dr. Larry D. Harris, School of Forest Resources & Conservation, University of Florida, 118 Newins-Ziegler Hall, Gainesville, FL 32611; Dr. David M. Leslie, Jr., Oklahoma Cooperative Fish & Wildlife Research Unit, USDI, 404 Life Sciences West Building, Oklahoma State University, Stillwater, OK 74078; Dr. Sanford Schemnitz, Department of Fishery & Wildlife Sciences, New Mexico State University, Box 4901, Las Cruces, NM 88003; and Dr. Bruce R. Thompson, Texas Parks & Wildlife Department, 4200 Smith School Road, Austin, TX 78744.**

*Continued on Page 19*

### CONSERVATION EDUCATION AWARD

The Wildlife Society is now accepting nominations for the **1989-90 Conservation Education Award** in the category of "programs." The Conservation Education Award encompasses the broad field of renewable resources conservation and management, but wildlife is expected to be the focus of nominated works. The award may be presented to individuals who have made important contributions to conservation education through the development or implementation of a sustained program that can achieve significance over the years. Examples of program accomplishments could include publication through written or electronic media, technical reports, professional articles, results of program evaluation, and/or other media representative of the program as a whole. Candidate programs that have achieved results and matured since 1986 will be eligible for competition. Evaluation criteria for nominations will include purpose, conservation message, geographical scope, originality, quality of materials, presentation and layout, and impact on the public.

A nomination statement and 5 complete copies of the materials should be sent to the following address: **Delwin E. Benson, Extension Wildlife Specialist, Department of Fish & Wildlife, Room 109 Wagar Building, Colorado State University, Fort Collins, CO 80523. 303/491-6411.** The additional copies are necessary to facilitate timely review of nominations by the judging committee. All nominations must be received no later than **15 September 1989**, but submittals should be made as early as possible to permit adequate review. The nomination statement should include a point of contact and commercial phone number, name and affiliation of nominee, explanation of the intent and application of the program, and any other information considered relevant to the committee's deliberations. Because of the volume of materials expected and the lengthy review process, materials usually cannot be returned.

**HONORARY MEMBERSHIP IN THE WILDLIFE SOCIETY**, intended to recognize continuous outstanding service in any area or areas of concern to The Wildlife Society. Any practicing or retired wildlife professional who is a member of The Wildlife Society and has made continuing valuable contributions to the wildlife profession over a long period of time is eligible for nomination.

NOMINATIONS REQUESTED . . . *Continued from Page 18***JIM McDONOUGH AWARD**

Nominees are being sought for the Jim McDonough Award who meet the following 3 criteria: 1) a member of The Wildlife Society and a member of the respective Section and Chapter, provided that a Section and/or Chapter is available where that individual resides; 2) a Certified Wildlife Biologist; and 3) a person who has made, or is making, a significant contribution to the wildlife profession by being an active member/participant of The Wildlife Society, especially at local levels (i.e., Chapter and Section). The individual must have made (or is still making) contributions that reflect well on professional biologists through program implementation and development of new techniques or approaches in an area or in a state or province, or other similar geographical area. The person should be the kind recognized by fellow workers as a solid contributor.

This is an award with no more than one recipient per year. The recipient will receive a suitable plaque and a monetary award of up to \$500. Please send the nominee's full name, present position, address and phone number; nominator's and endorser's names, addresses and phone numbers; and a clear and concise statement justifying the nomination by **1 November 1989** to: **Paul G. Herig, Chairman, McDonough Award Committee, TWS, 64 Dings Road, New Hartford, CT 06057. 203/566-4683.**

In a Rut?



See Page 20 for News on Professional Development.

**THE WILDLIFER**

EDITOR: Harry E. Hodgdon  
PRODUCTION EDITOR: Louise A. Murville

THE WILDLIFER (ISSN 0163-6359), publication of record, is published bimonthly by The Wildlife Society, 5410 Grosvenor Lane, Bethesda, MD 20814. The Wildlife Society is incorporated as a nonprofit organization. Individual subscriptions available only through TWS membership: Regular \$20.00 and Student \$10.00, per year, each of which includes 15% for *The Wildlifer*. Second class postage paid at Bethesda, MD and additional entry offices. POSTMASTER: Send address changes to THE WILDLIFER, The Wildlife Society, 5410 Grosvenor Lane, Bethesda, MD 20814.

**CALL FOR PAPERS**

The American Black Duck: Management and Research Needs, a technical workshop and symposium is to be held on 18-21 February 1990 at the Hilton International Saint John, St. John, New Brunswick, Canada. The American Black Duck has been identified as a species of international concern by the North American Waterfowl Management Plan. The root of this concern has been a decline of 60% in the mid-winter inventory index for this species since 1955. The North American Plan has identified harvest restrictions and habitat management as tools to reverse the downward trend and has set a mid-winter inventory index of 385,000 birds as the population goal to reach by the year 2000. Realization of this goal will require strategic planning. To achieve this goal waterfowl managers in the Atlantic and Mississippi Flyways must gain a better understanding of the habitat requirements of this species, of how quality and quantity of habitat relate to Black Duck numbers, and how interaction with mallards through hybridization and competition for habitat affect Black Duck populations. The effects of hunting and other mortality factors must also be better understood. The province of New Brunswick will host a Black Duck workshop and symposium which will be associated with the 1990 Atlantic Flyway Council Technical Section meeting. Papers on any aspect of Black Duck ecology and management are requested. Presentations will be 15-20 minutes in length. Please submit abstracts by **15 October 1989** to: **Black Duck Symposium, Fish and Wildlife Branch, Box 6000, Fredericton, NB, E3B 5H1, Canada. 506/453-2440.**

**Environmental Contaminants and Their Effects on Biota of the Northern Great Plains Symposium** is scheduled for 20-22 March 1990 at the Doublewood Ramada Inn in Bismarck, North Dakota. Those interested in presenting a paper should submit a preliminary abstract by **1 July 1989**. Abstracts should be no longer than 2 typed, single-spaced, 8 1/2 x 11" pages. Authors are encouraged to provide detailed abstracts, including tables and figures where appropriate. Notification of acceptance will be provided by 15 August 1989. Potential topics include: research, legal policy, monitoring, how to investigate, agencies and current roles, sub-lethal effects, natural contaminants, resident vs. non-resident wildlife, agricultural chemicals, point and non-point sources, consumption of contaminated wildlife, regulation and registration, legislation, case histories, die-off responses, and industrial pollution. Abstracts of accepted papers will be published and available at the time of symposium registration. Format: Plenary sessions, concurrent sessions, and poster sessions. **Program Chairman -- Rick Nelson, U.S. Bureau of Reclamation, P.O. Box 1017, 304 E. Broadway, Bismarck, ND 58501. 701/250-4724.**

**SCHWIMMKAMPEN****ARTIFICIAL FLOATING ISLANDS FOR WILDLIFE HABITAT**

Over the past 10 years artificial, floating islands have become a standard feature on ponds and lakes in Germany. These islands, known as Schwimmkampen, are being deployed where additional marshes are wanted as wildlife habitat. Their most notable uses are in areas where hydrological conditions, such as water level changes or currents are extreme or under conditions where the need to minimize disturbances is mandatory.

Applications range from breeding islands for endangered water fowl species in remote reservations to aesthetic enhancements on urban lakes. They have also been added to artificial environments, such as reservoirs, where management and maintenance requirements prohibit the planting of reed belts or the building of normal islands.

The general concept is easily understood and its beneficial results for a multitude of applications are obvious. Of the many attempts to create such floating habitats, only the system developed and patented by Bestmann Engineers of West Germany has "weathered the elements" and proven itself both as effective and as virtually maintenance free. Further detailed information about this system can be obtained through Bestmann's American partners; simply write or call: **Sven Hoeger, P.O. Box 597, Pawling, NY 12564. 914/232-0326.**

## THE PROFESSIONAL DEVELOPMENT PROGRAM

Something has been missing! The Wildlife Society's program for certification of professional wildlife biologists is designed to evaluate the education and professional experience of wildlife biologists. But how does the Society recognize those wildlife professionals who strive to increase their knowledge and skills to advance the practice of wildlife management? The very idea of a profession implies not merely that a person will enter it only when well-prepared, but also that professional growth will be continued throughout a lifetime.

The Wildlife Society now has a Professional Development Program to recognize individuals who demonstrate a commitment to excellence through continued learning and professional development. The Program is voluntary and open to all wildlife professionals, whether certified or not. Flexibility of the Program allows everyone to participate, from the agency head to the beginning biologist.

The Professional Development Program goals are to:

Maintain and advance the high technical and social skills needed by today's wildlife professionals.

Integrate new knowledge, concepts, and techniques into the practice of wildlife management.

Recognize, through issuance of a Professional Development Certificate, those individuals who participate in the Program.

To obtain a Professional Development Certificate, you must complete 150 contact hours of professional development during a 4-year period. Contact hours may be earned from 6 accepted categories of activities.

Category I - Organized course work in subjects directly related to wildlife biology or management. You can earn hours from attending seminars, symposia, shortcourses, correspondence courses, workshops, training sessions, technical sessions at professional meetings, and regular college courses. A minimum of 45 hours must be earned in this category.

Category II - Organized course work in subject areas not primarily wildlife-oriented, but nonetheless professionally enriching, such as computer science, public speaking, administration, and forestry. Hours can be earned from activities similar to Category I. No more than 60 hours can be approved in this category.

Category III - The development, preparation, and presentation of wildlife subject matter for activities described in Category I. Credit for these activities should be claimed only when such instruction goes beyond your normal duties and results in an advancement or more complete knowledge of the subject matter due to having served as an instructor. No more than 60 hours can be approved in this category.

Category IV - Includes development, writing, editing, reviewing and publication of wildlife-oriented subject matter. As with Category III, this should entail effort beyond your normal scope of duties and result in advanced knowledge and understanding as a result of working on the publication. No more than 60 hours can be approved in this category.

Category V - Includes self-improvement activities such as participation or attendance at meetings that are outside your normal duties, reading of literature, and use of self-instruction audio-visuals. No more than 30 hours can be approved in this category.

Category VI - Includes TWS service by holding elected or appointed offices and actively serving on committees. Also included are activities in allied professional societies such as the American Fisheries Society, Ecological Society of America, and others. No more than 30 hours can be approved in this category.

You will need to maintain a Personal Activity Record which documents participation in professional development activities. All Category I activities must be approved by a TWS Professional Development Contact. Activities in other categories do not have to be approved, the honor system will apply.

Within 30 days of completion of the requirements you will need to submit an application to TWS along with the Personal Activity Record and fee (TWS members \$25, nonmembers \$40). When the application has been approved, a Professional Development Certificate will be issued by the Society.

A brochure describing the program in more detail, including a Personal Activities Record form and application, is included with this edition of *The Wildlifer*. For more information, contact your Section's Professional Development Contact listed below.

### PROFESSIONAL DEVELOPMENT CONTACTS BY SECTION

Northeast	: Ronald J. Regan, Chairman, 802/479-3241
Southeastern	: James L. Byford, 901/587-7250
	Gerald H. Cross, 703/231-5573
North Central	: James L. Pease, 515/294-7429
Central Mountains & Plains	: Scott E. Hygnstrom, 402/472-6822
Southwest	: R. Douglas Slack, 409/845-5777
Northwest	: Kerry Reese, 208/885-6435
Western	: Clint McCarthy, 916/233-5811

The Wildlife Society Professional Development Program has been fermenting for several years. Like a fine wine, its time has arrived. It is a modest program, a beginning. Hopefully it is one that all members can accept and support. Professional development will not be widely accepted unless wildlifers believe in the necessity for study required by the nature of the profession.

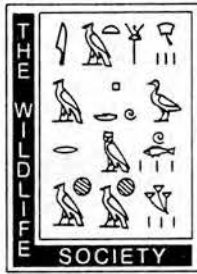
### MILITARY WILDLIFERS HOLD 6TH ANNUAL MEETING

The National Military Fish and Wildlife Association (NMFWA) held its 6th annual meeting and training session on 21-23 March 1989 in Washington, D.C., in conjunction with the 54th North American Wildlife and Natural Resources Conference. The meeting theme was **The Biopolitics of Managing Fish and Wildlife Resources on Military Installations**. Gene Stout, Fort Sill, Oklahoma, served as program chairman. Approximately 125 Department of Defense personnel representing all service branches attended the meeting.

At the annual business meeting, the following new officers and board members were elected: President - Larry Adams, Naval Facilities Engineers Command, Atlantic Division, Norfolk, VA; Vice-President - Slader Buck, Camp Pendleton, CA; Secretary-Treasurer - Richard Griffiths, U.S. Army Environmental Hygiene Agency, Aberdeen Proving Ground, MD; At-Large Western Directors - Scott Klinger, Fort Riley, KS, and Kim Mello, Fort McCoy, WI; At-Large Eastern Directors - Bob Progulski, Avon Air Force Range, FL, and Thomas Wray II, Naval Surface Warfare Center, Dahlgren, VA; Awards Chairman - Ron Dow, Naval Air Station, Point Mugu, CA; Newsletter Editor - Chester Martin, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS; and Program Chairman - Lt. Col. J. Douglas Ripley, Headquarters, U.S. Air Force, Washington, DC.

### WILDLIFE RESERVES AND CORRIDORS IN THE URBAN ENVIRONMENT

The National Institute for Urban Wildlife announces its new 1989 91-page publication, "Wildlife Reserves and Corridors in the Urban Environment: A Guide to Ecological Landscape Planning and Resource Conservation," by Lowell W. Adams and Louise E. Dove. The book deals primarily with planning considerations before development, rather than habitat management aspects after development. It encompasses an extensive review of the empirical evidence relating to wildlife use of reserves and corridors. Although the emphasis is on urban areas, information is also included on nonurban areas, recognizing that research dealing with the latter may well have considerable application to urban situations. Guidelines to ecological landscape planning and wildlife conservation are provided, along with specific recommendations for attracting wildlife while integrating human preferences and use of urban reserves and corridors. Examples are given on how various approaches to establishing reserves and corridors have been implemented successfully in a number of locations. Copies are available for \$7.00/copy, postpaid (Maryland residents please add 5% sales tax) from: **National Institute for Urban Wildlife, 10921 Trotting Ridge Way, Columbia, MD 21044.**



## THE WILDLIFE SOCIETY'S PROFESSIONAL DEVELOPMENT PROGRAM

### Overview and Goals

Increasing pressures on wildlife habitats and populations, public awareness, and rapid technological changes are among the major reasons why life-long education is needed for wildlife professionals. Social, political, and economic demands on our society require that professionals responsible for the protection, maintenance, and enhancement of wildlife resources become more efficient and effective at their jobs. The Wildlife Society recognizes the opportunities for Professional Development to meet these needs.

The Professional Development Program is open to all wildlife professionals. Upon successful completion of the program, as evidenced by an approved Application and Personal Activity

Record, The Wildlife Society will issue a Professional Development Certificate. Success of the Program depends upon individual integrity and widespread participation. Program goals are to:

- **Maintain** and advance the high technical and social skills needed by today's wildlife professionals
- **Integrate** new knowledge, concepts, and techniques into the practice of wildlife management
- **Recognize**, through issuance of a Professional Development Certificate, those individuals who demonstrate a commitment to excellence through continued learning and professional development.

### Procedures

To obtain a Professional Development Certificate, applicant must:

- Complete 150 Contact Hours of professional development during a 4-year period. Participants may complete the Program in less time.
- Distribute Contact Hours within up to 6 accepted categories of activities.
- Maintain a Personal Activity Record documenting participation in Professional Development activities.
- Within 30 days of completion of the requirements, submit an Application for a Professional Development Certificate, the Personal Activity Record, and an Application Fee in U.S. Funds (TWS members \$25, non-

members \$40) to the Executive Director of The Wildlife Society. The Application must contain signatures of 2 Wildlife Society members who have general knowledge of the applicant's activities.

- Credit may be claimed for course work taken as part of a formal degree program as long as the credit was earned following full-time professional employment.

When the Application and supporting documents for Category I have been examined and approved, a Professional Development Certificate will be issued by The Wildlife Society. Records will be maintained by The Wildlife Society; however, applicants are advised to retain a personal copy of all records for their files.

### Further Information

Contact: Executive Director, The Wildlife Society, 5410 Grosvenor Lane, Bethesda, Maryland 20814.

## PERSONAL ACTIVITY RECORD

*Type or print all entries; attach additional sheets if necessary;  
round hours down to the nearest one half.*

### Professional Development

**Category I. Organized Course Work - Wildlife.** 45 Contact Hours Minimum; No more than 100 Hours can be approved. Category I includes organized course work in subjects directly related to wildlife biology or management. Examples are big game management, wildlife economics, wildlife pathology, habitat management, wildlife policies and laws, endangered species management, vertebrate population biology, and wildlife law enforcement. Activities may include seminars, symposia, short courses, correspondence

courses, workshops, training sessions, technical sessions at professional meetings, and regular college courses provided by public or private organizations. Credit accrues at the rate of 1 Contact Hour for each hour of actual contact. Field sessions are rated at 1 Contact Hour for each 3 hours in the field. Professional Development application must be accompanied by course outline or program agenda for activities not previously approved by The Wildlife Society.

Activity	Provider	Date(s) Attended	Contact Hours

Total Hours \_\_\_\_\_

**Category II. Organized Course Work - Nonwildlife.** No more than 60 Contact Hours can be approved. Category II includes all activities similar to Category I and where the subject matter is not primarily wildlife oriented, but is nevertheless professionally enriching to the individual. Examples are computer science,

managerial and leadership skills, public speaking, marketing new ideas, problem solving, and other related resource disciplines such as forestry, range, fisheries, and watershed management. Credit accrues at the same rates as for Category I.

Activity	Provider	Date(s) Attended	Contact Hours

Total Hours \_\_\_\_\_

**Category III. Instruction in Wildlife Subjects.** No more than 60 Contact Hours can be approved. Category III includes the development, preparation, and presentation of activities described in Category I where the subject matter is principally wildlife. The audience need not be wildlife professionals. Credit for

activities in this category should be claimed only when such instruction goes beyond the individual's normal duties and results in an advanced or more complete knowledge of the subject matter due to having served as an instructor. Credit accrues at the rate of 2 Contact Hours for each hour of instruction.

Activity	Provider	Date(s) Attended	Contact Hours

Total Hours \_\_\_\_\_

**Category IV. Publications.** No more than 60 Contact Hours can be approved. Category IV includes the development, writing, editing, reviewing, and publication of wildlife-oriented subject matter. As with Category III, this should entail effort beyond the normal scope of duties and result in advanced knowledge and understanding as a result of working on the publications. Preparation of material used in an oral presentation that is later published cannot be

claimed in both Categories III and IV. Credit accrues at the rate of 10 Contact Hours for authoring or 5 hours for refereeing or editing each publication or article in a magazine, newspaper, proceedings, journal, or similar outlets. Multiple authors may each claim up to full credit at their discretion. Authors of major books and monographs should discuss appropriate Contact Hours with the Professional Development Contact.

Author Citation (Author, date, title, publication, length, role) Refereeing (Cite number of publications refereed by year)	Contact Hours

Total Hours \_\_\_\_\_

**Category V. Self-Improvement.** No more than 30 Contact Hours can be approved. Category V includes self-improvement (not organized course work) in **wildlife and related subject** (i.e., Categories I and II). Examples are participation or attendance in meetings

that are outside your normal duties, readings of literature, and use of self-instruction audio-visuals. Credit accrues at the rate of 1 Contact Hour for each hour of activity.

Description	Date(s)	Contact Hours

Total Hours \_\_\_\_\_

**Category VI. Professional Service.** No more than 30 Contact Hours can be approved. Category VI includes holding elected or appointed office and actively serving on committees. Credit accrues at the rate of 5 Contact Hours for each year of holding office and 3 Contact Hours for each year of committee membership in The Wildlife Society, Sections,

or Chapters. Three Contact Hours can be claimed for holding office or committee memberships in allied professional societies, such as Society of American Foresters, Society for Range Management, American Fisheries Society, and Ecological Society of America.

Office or Committee	Organization	Date(s)	Contact Hours

Total Hours \_\_\_\_\_



# Application for the Professional Development Certificate

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
(As you wish it to appear on the Certificate)

Mailing Address: \_\_\_\_\_ Phone: (     ) \_\_\_\_\_

Do you wish to be recognized in the:

Section Newsletter                      Yes \_\_\_\_\_ No \_\_\_\_\_  
 Wildlifer:                                      Yes \_\_\_\_\_ No \_\_\_\_\_

Do you wish to have a letter of recognition sent to your employer? Yes \_\_\_\_\_ No \_\_\_\_\_

If Yes, please enclose an addressed business envelope.

**SUMMARY OF CONTACT HOURS FOR PAST 4 YEARS**

Beginning Date: \_\_\_\_\_ Ending Date: \_\_\_\_\_

Category I:                      \_\_\_\_\_ Hours Claimed (45 Min./100 Max.)  
 Category II:                     \_\_\_\_\_ Hours Claimed (60 Max.)  
 Category III:                    \_\_\_\_\_ Hours Claimed (60 Max.)  
 Category IV:                    \_\_\_\_\_ Hours Claimed (60 Max.)  
 Category V:                     \_\_\_\_\_ Hours Claimed (30 Max.)  
 Category VI:                    \_\_\_\_\_ Hours Claimed (30 Max.)  
 Total:                              \_\_\_\_\_ Hours Claimed (150 Min.)

Having completed the Contact Hours listed above, I hereby apply for a Professional Development Certificate. To the best of my knowledge the information contained in this application is accurate and complete.

\_\_\_\_\_  
 (Signature of Applicant) \_\_\_\_\_ (Date)

\_\_\_\_\_  
 (Signature of Witness)\* \_\_\_\_\_ (Title) \_\_\_\_\_ (Date)

\_\_\_\_\_  
 (Signature of Witness)\* \_\_\_\_\_ (Title) \_\_\_\_\_ (Date)

Please enclose an application fee in U.S. Funds (TWS members \$25, non-members \$40). Make checks and money orders payable to The Wildlife Society.

\*Witnesses must be members of The Wildlife Society and have general knowledge of the applicant's participation in the activities listed above.

**For The Wildlife Society Professional Development Contact**

I have examined this application and authorize the issuance of a Professional Development Certificate.

\_\_\_\_\_  
 Section Professional Development Contact \_\_\_\_\_ Date

**For The Wildlife Society Use**

A Professional Development Certificate was issued to the applicant on \_\_\_\_\_  
Date

\_\_\_\_\_  
 Executive Director \_\_\_\_\_ Date  
 The Wildlife Society



## THE WILDLIFE SOCIETY, 1989-1990

### OFFICERS AND EXECUTIVE STAFF

- President** : James G. Teer, Rob & Bessie Welder Wildlife Foundation, P.O. Drawer 1400, Sinton, TX 78387  
**President-Elect** : Richard J. Mackie, Department of Biology, Montana State University, Bozeman, MT 59717  
**Vice-President** : W. Alan Wentz, Kansas Department of Wildlife & Parks, Route 2, Box 54A, Pratt, KS 67124  
**Executive Director** : Harry E. Hodgdon, 5410 Grosvenor Lane, Bethesda, MD 20814  
**Field Director** : Thomas M. Franklin, 5410 Grosvenor Lane, Bethesda, MD 20814

### REPRESENTATIVES TO COUNCIL

- Section 1, Northeast** : William M. Healy, P.O. Box 225, Leveret, MA 01054  
**Section 2, Southeastern** : James E. Miller, Natural Resources & Rural Development Unit, USDA, Room 3871, South Building, Washington, DC 20250  
**Section 3, North Central** : Donald H. Rusch, Wisconsin Cooperative Wildlife Research Unit, 211 Russell Labs, University of Wisconsin, Madison, WI 53706  
**Section 4, Central Mountains & Plains** : Clait E. Braun, Wildlife Research Center, 317 W. Prospect, Fort Collins, CO 80526  
**Section 5, Southwest** : Nova J. Silvy, Department of Wildlife & Fisheries Sciences, Texas A&M University, College Station, TX 77843  
**Section 6, Northwest** : Robert G. Anthony, Department of Fisheries & Wildlife, Oregon State University, 104 Nash Hall, Corvallis, OR 97331-3803  
**Section 7, Western** : John G. Kie, Forestry Sciences Lab, 2081 East Sierra Avenue, Fresno, CA 93710

### TRUSTEES

Karl F. Stutzman, Route 3, Box 424, Edinburg, VA 22824  
 Lloyd W. Swift, 3432 Greentree Drive, Falls Church, VA 22041

Laurence R. Jahn, 2435 Riviera Drive, Vienna, VA 22180

### EDITORS

#### The Journal of Wildlife Management

- Editor in Chief (1988-89)** : Paul R. Krausman, School of Renewable Natural Resources, 325 Biological Sciences East Building, University of Arizona, Tucson, AZ 85721  
**Associate Editors** : Guy A. Baldassarre, John A. Bissonette, Yosef Cohen, John A. Crawford, David M. Leslie, Jr., Norman S. Smith, and Daniel J. Witter  
**Book Review Editor** : Vagn F. Flyger  
**Editor in Chief (1990-91)** : Richard A. Lancia, Forestry Department, Box 8002, North Carolina State University, Raleigh, NC 27695-8002  
**Associate Editors** : Robert T. Brooks, Mark C. Conner, Charles A. De Young, Michael L. Morrison, Thomas D. Nudds, Kenneth H. Pollock, and Loren M. Smith  
**Book Review Editor** : S. Douglas Miller

#### Wildlife Society Bulletin

- Editor (1988-89)** : David E. Capen, School of Natural Resources, Aiken Center, University of Vermont, Burlington, VT 05405  
**Associate Editors** : R. Terry Bowyer, Martin G. Raphael, Michael D. Samuel, Edward C. Soutiere, and Michael C. Zicus  
**Editor (1990-91)** : Nicholas R. Holler, Alabama Cooperative Fish & Wildlife Research Unit, 331 Funchess Hall, Auburn University, Auburn, AL 36849  
**Associate Editors** : Martin G. Raphael, James Ringelman, and Jay McAninch

#### Wildlife Monographs

- Editor** : Roy L. Kirkpatrick, Department of Fisheries & Wildlife Sciences, VPI & State University, Blacksburg, VA 24061

#### The Wildlifer

- Editor** : Harry E. Hodgdon, 5410 Grosvenor Lane, Bethesda, MD 20814  
**Production Editor** : Louise A. Murville, 5410 Grosvenor Lane, Bethesda, MD 20814

### CERTIFICATION REVIEW BOARD

- Chairman** : Terry W. Little, 709 South First Street, Indianola, IA 50125  
**Members** : Hewlette S. Crawford, Jr., E. Leon Fisher, Michael T. Hanson, and J. Larry Landers

## FOR SALE

**JWM** 13(4), 18 (except 2), 19, 20, 21 (except 2), 22-25, 26 (except 3), 27-32; **W. Monos.** 1 (2 copies), 5, 13-16; **JWM Index** Vol. 11-20; **Index J. Mammal.** Vol. 1-20, Vol. 21-30; **Leopold - Game Survey N.C. States** 1931. \$200. Bernard A. Nelson, Box 757, Pierre, SD 57501. 605/224-7402.

Greatly reduced. Any 2 titles for \$1.00, all 5 for \$2.00. **An Annotated Bibliography on North American River Otter** (1985); **Proceedings of Prairie Grouse Symp.** (1980); **Proceedings of 2nd Natl. Bobwhite Symp.** (1982); **Environmental Characteristics of Oklahoma Wetlands** (1981); **A Bibliography on World's Rare, Endangered & Recently Extinct Wildlife & Plants** (1977). Limited quantities. Cash or check (Environmental Publications Account) to: Cooperative Fish & Wildl. Research Unit, 404 Life Sciences W., Oklahoma State U., Stillwater, OK 74078.

**JWM** 35-52 (1971-88), plus 27(4); **W. Monos.** 12, 16, 19, 21, 23, 25-100; **WSB** 1-16; **JWM Indexes** 1-10, 11-20, 21-30, 31-40; **W. Abstracts** 1956-60, 1960-70; **W. Review** 118, 125, 136-197 (Dec. '69 - June '85); **Can. Field Naturalist** 88-102 (1974-88). Send offers to Chris Schmidt, 10126 Lassam Rd., Richmond, BC, Can. V7E 2C1. Shipping extra; will send UPS collect.

**JWM** 25-46 (1961-82) complete; **W. Monos.** 11-82. Would cost \$661 thru TWS if all nos. were available. \$550 incl. shipping or best offer. Mark O. Bara, Samworth WMA, Star Rt. 1, Box 226, Georgetown SC 29440. Office: 803/546-8119. Home: 803/546-3283.

## REPORTS FROM SECTIONS, CHAPTERS, AND MEMBERS

**David A. Buehler**, a Ph.D. student in Virginia Tech's School of Forestry and Wildlife Resources, has received the school's **A.B. Massey Award** in recognition of academic achievement and professional leadership.

**Malcolm W. Coulter** was honored at the conference "Forest and Wildlife Management in New England: What Can We Afford," held in March 1989 in Portland, Maine. The Maine Chapter of The Wildlife Society, in conjunction with the Cooperative Extension Service, published **A Forester's Guide for Managing Wildlife Habitats in Maine**, which was dedicated to Mal for his efforts to integrate wildlife and forest management.

**Elmer J. Finck**, Assistant Scientist at Kansas State University, Manhattan, has accepted a position as Assistant Professor at Emporia State University, Emporia, Kansas.

**Patricia MacLaren** has accepted the position of Regional Biologist with the State of Florida Department of Natural Resources in the Bureau of Scientific and Technical Services located in Tallahassee, Florida.

**James Parkhurst** has been appointed Animal Damage Control Specialist with the University of Massachusetts-Amherst Cooperative Extension Service in the Department of Forestry and Wildlife Management. Jim is responsible for developing and coordinating a comprehensive Vertebrate Integrated Pest Management (VIPM) educational program for northern New England (ME, MA, NH, VT) that emphasizes preventive and non-lethal controls.

**Gene Stout**, Fort Sill, Oklahoma, and **Tom Warren**, Fort Carson, Colorado, were elected to the Board of Directors of the National Wildlife Federation at the Federation's annual meeting on 16-19 March 1989 in Washington, D.C. Gene was elected as Central Vice Chairman of the Board of Directors, and Tom will serve as Regional Director for the states of Colorado, New Mexico, Arizona, and Utah.

The 1989 Chevron Conservation Awards, presented at the 17 May Chevron Conservation Awards banquet in Washington, D.C., included: **Steven M. Byers** of Elgin, Illinois, for his efforts to prevent the destruction of the Bluff Spring Fen, an 87-acre mosaic of natural prairie, marsh and oak-dotted grassland, which is home to 8 threatened or endangered species; **Anne LaBastille** of Big Moose, New York, for environmental achievements that span a 30-year professional career as a writer, photographer, lecturer and authority on endangered species; and **Laurie H. MacIvor** of Sunderland, Massachusetts, for her pioneering research to protect the piping plover, a threatened shorebird in Massachusetts, 4 years before it was designated a threatened species.



*Malcolm W. Coulter (right) receiving congratulations and a Forester's Guide from Maine Chapter President William B. Krohn.*

### 1989 STUDENT WILDLIFE CONCLAVES

The 1989 Southeastern Student Conclave was co-hosted by the Student Chapter of The Wildlife Society and the Student Fisheries Association at Tennessee Technological University, Cookeville, Tennessee. Held at the Upper-Cumberland Biological Field Station (Tech Aqua) in the hills overlooking Center Hill reservoir, 130 students and professionals from 10 states enjoyed 3 days of symposia, field trips, quiz bowl, and other competitions centered around the theme of management for nongame and endangered species. Six chapters brought along displays or slide shows demonstrating what their schools and chapters were accomplishing.

Introductory talks by Dr. Paul Hamel on the effects of edge, and by Dr. Paul Sommers on the Natural Heritage program led into symposia on birds, fish, invertebrates, cave ecology, and telemetry. Participants received hands on experience from activities such as mist netting and bird banding, ruffed grouse censusing, electrofishing, a trip to a local cave, snail hunting, and telemetry contests. Dr. James Johnson, unit leader, Arkansas Fish and Wildlife Cooperative Research Unit, gave us several presentations including a keynote address on the policies and politics of conservation for endangered species.

The art and photo competition was won by Joe Bruseo of Frostburg, Maryland. The University of Florida narrowly defeated University of Georgia for the quiz bowl championship, while Virginia Polytechnical Institute took 3rd place. Next year's Southeastern Student Conclave will be hosted by the University of Georgia, Athens, Georgia.

Suzanne O'Brien chaired the committee composed of Marjan Farzaad, Mark Thurman, Keith Endres, Diane Borden, Lisa Powers, Elise Irwin-Larrimore, Carla Mitchell, Kathy Whaley, Tim White, and John Richardson. Thanks to their efforts and those of our advisors, the Conclave was very successful.

The 25th Annual Western Student Wildlife Conclave was proudly hosted by the New Mexico State University Student Chapter of The Wildlife Society on 10-12 March 1989. A total of 121 students and faculty from 11 universities attended the Conclave.

I would like to thank all who attended for most traveled great distances to be in Las Cruces. I especially thank the New Mexico Chapter, TWS, for their help with the Conclave.

Highlights of the Conclave included the quiz bowl, student presentation, photography contest, and workshops. The quiz bowl competition was won by Humboldt State University and followed closely by Texas Tech University (2nd) and Stephen F. Austin University (3rd). The student presentation contest was won by Anthony Gurzick of Colorado State University with Heidi Solper of Arizona State University and Author Herrera of Sul Ross State University placing 2nd and 3rd, respectively. The students also attended 3 of 4 workshops on animal damage control techniques, outdoor photography, radio telemetry, and Project WILD. The Conclave concluded with the awards banquet featuring a slide presentation on peregrine falcons by Tom Smylie of the U.S. Fish and Wildlife Service.

Humboldt State University will host the 26th Annual Western Student Wildlife Conclave.----*Ray Aaltonen, Conclave Chairman*  
*New Mexico State University Student Chapter, TWS*

The 1988-89 school year was very productive and rewarding for the University of Missouri Student Chapter of The Wildlife Society. The 2 highlights of the year were the **First Annual Dunmire Lectureship** and the **1989 Central Student Wildlife Conclave**.

The Dunmire Lectureship, presented on 4 April, was the first of a lecture series on environmental topics which we hope will become a major event for the School of Forestry, Fisheries and Wildlife. This year's speaker was Dr. Robert Weeden, Professor of Natural Resources Policy at the University of Alaska, who

*Continued on Page 27*

## POSITIONS AVAILABLE

Many positions continually are being added to the Society's new computerized database, JOBSource. JOBSource provides detailed descriptions of current wildlife, fisheries, and related natural resource positions -- permanent and seasonal, internships, volunteer positions, and graduate assistantships. The innovative computer program quickly searches the database and locates positions that match each user's criteria. Position vacancy descriptions can be obtained as hard copy printouts or through your computer and telephone modem.

All position announcements received at Society headquarters are being sent to JOBSource for inclusion on the database. Employers are encouraged to send their position vacancy announcements directly to JOBSource. Listing of paid positions is free.

If you are seeking a wildlife position or have wildlife positions to advertise, call 1-800-727-JOBS Monday-Friday, 8 a.m. to 5 p.m. Mountain time (10 a.m. to 7 p.m. Eastern Time). Outside the United States, call 303/493-1779.

**WILDLIFE BIOLOGIST** at NWF's Institute for Wildlife Research. Ph.D. (or M.S. + equiv. exper.) in 1 of wildl. sciences. Exper. & familiarity with issues related to conserv. & mgt. of endangered species, birds of prey or mammalian predators. Exper. with personal computers a must. Preference to indiv. who meets minimum qualifications of TWS certification program. Please submit cover ltr., resume, refs., salary requirements, & writing samples to: **National Wildlife Federation, Attn: Employment/EEO Coordinator, Dept. PE-29, 8925 Leesburg Pike, Vienna, VA 22184-0001. 202/797-6800.**

**GRADUATE RESEARCH ASSISTANT** for M.S. or Ph.D. program, Raccoon Ecology. B.S. in natural resources or related fld. Ability to handle wildlife, conduct fld. work alone, & effectively communicate with the public is essential. Alternate semesters may be spent in residence in Syracuse. \$8,000/yr. stipend, plus tuition waiver & housing on wildlife refuge available. Other research costs are funded. Begin summer 1989. To study fate of nuisance raccoons relocated within suburban/greenspace matrix in Long Island, NY. Interested applicants, telephone promptly, send ltr. of interest, resume, photocopies of transcripts, + phone nos./names of 3 refs. to: **Dr. Larry W. Van-Druff, Faculty of Environ. & Forest Biology, SUNY Coll. of Environ. Sci. & Forestry, Syracuse, NY 13210. 315/470-6803.**

**WHITE-TAILED DEER RESEARCH ASSISTANTSHIP** for M.S. in Wildlife Ecology. B.S. in wildl. ecol. or wildl. mgt. Background in stat analysis & computer programing (BASIC or FORTRAN) essential. Must be willing to travel. Project: Effects of harvest strategies on breeding season timing & fecundity of white-tailed deer within selected locations in Mississippi. Starting 1 July 1989 pending final approval of funding. \$7,800/per yr. + waiver of tuition fees. Phone calls welcomed -- to Project Leader, Dr. Harry A. Jacobson, 601/325-2618. Submit official coll. transcript; vita; 3 ltrs. recommend.; ltr. of application including discussion of qualifications, exper., professional goals; GRE scores (mandatory) -- to: **Dr. Robert D. Brown, Head, Dept. of Wildlife & Fisheries, P.O. Drawer LW, Mississippi State, MS 39762.**



### 1989 STUDENT WILDLIFE CONCLAVES . . . Continued from Page 26

spoke on the forces behind natural resource policy decision making in Alaska. Dr. Weeden has made major contributions to the field of wildlife conservation through his service as a state biologist in Alaska, as a founder of the Alaska Conservation Society, as director of the Audubon Society, and in his presidential appointment to the Marine Mammals Commission. He has published one book, *Alaska, Promises to Keep*, and has just finished the manuscript for another entitled *Messages from Earth*. Presently Dr. Weeden is preparing material for a new course that will teach natural resource and environmental ethics to students in business and engineering.

The other major event for the Student Chapter this year was the hosting of the Student Wildlife Conclave at YMCA of the Ozarks in Potosi, Missouri. During the weekend of 7-9 April, wildlife students from all over the North Central Section participated in workshops on stream ecology, radio telemetry, wildlife photography, cave ecology, furbearer biology, and trapping. Officers from all the student chapters met informally to discuss member participation, community service projects, and the importance of pre-professional experience for wildlife majors. The keynote speaker at the Saturday evening banquet was Dr. Erik Fritzell, professor at the School of Fisheries and Wildlife and representative to the North Central Section of The Wildlife Society. He spoke on professionalism and how it affects the efficiency of agencies and individuals in the field of wildlife conservation.

We in the Student Chapter feel that the 1988-89 school year was one of our best, and we hope to have many years like this ahead.

Dear Editor:

Ted Bookhout's letter (see *The Wildlifer* No. 233, March-April 1989) on the proper moniker for The Wildlife Society left me puzzled. He urges, implores, beseeches, and appeals us to use the word "Society" and scrap the phrase "the parent Society" when referring to The Wildlife Society.

I've heard worse. The phrases "national Society," the "Washington Office," and the "umbrella Society" have all been used to refer to The Wildlife Society. A few other phrases were probably coined during the debate for a unified dues structure, but I've forgotten them already.

Actually, the phrase "parent Society" is handy for describing the relationship between The Wildlife Society, the Sections, and the Chapters. The facts of life are that Sections and Chapters didn't appear out of the blue, no matter how much one may believe in creationist theory. TWS memes (the cultural counterparts of genes, as proposed by Richard Dawkins) have been replicated in Sections and Chapters, and there are strong genealogical ties between these Sections and Chapters and The Wildlife Society. TWS "gave birth" to the other levels of organization (admittedly, this may have involved immaculate conception). Finally, to conclude my analogy, I suspect that Sections and Chapters are past the "terrible twos" stage but they still have to ask permission before they stay out later than 10 p.m.

Use of the phrase "parent Society" has evolved because it is descriptive, easy, and it works. Although I concur with Bookhout that TWS Council members should use the phrase "Society," the rest of us spoiled brats need to preserve our father-mother figure-head, at least until we're kicked out of the house.

Robert H. Schmidt  
Hopland, California

## MEETINGS OF INTEREST

(See previous issues of *The Wildlifer* for additional timely meetings.)**1989**

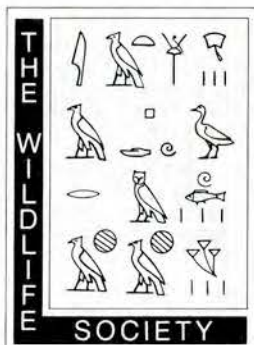
- 16-18 Aug. 34th Annual Mtg. of Central Mountains & Plains Section, TWS. "Sensitive Species In and Around Yellowstone National Park," AMK Ranch, University of Wyoming/National Park Service Research Center, Jackson Lake, WY. (Kevin Hurley, 1032 Arapahoe, Thermopolis, WY 82443. 307/864-9375.)
- 9-13 Sept. 79th Annual Mtg. of Intl. Assn. of Fish & Wildlife Agencies, Pierre, SD. (R. Max Peterson, Executive Vice President, 444 N. Capitol St., N.W., Suite 534, Washington, DC 20001. 202/624-7890.)
- 24-27 Sept. 4th Eastern Wildlife Damage Control Conf., The Concourse Hotel, Madison, WI. (Dr. Scott Craven, Dept. of Wildlife Ecology, 226 Russell Labs, University of Wisconsin, Madison, WI 53706.)
- 4-5 Oct. Special TWS Council Mtg., 4-H Center, Little Rock, AR. (Harry E. Hodgdon, Executive Director, TWS, 5410 Grosvenor Lane, Bethesda, MD 20814. 301/897-9770.)
- 15-19 Oct. 4th Urban Forestry Conf., "Make Our Cities Safe for Trees," Clarion Hotel, St. Louis, MO. (Am. Forestry Assn., P.O. Box 2000, Washington, DC 20013. 202/667-3300.)
- 24-27 Oct. "The Scientific Challenges of NEPA: Future Directions Based on 20 Years of Experience," Knoxville, TN. (Dr. Stephen G. Hildebrand, Symp. Co-Chm., Environmental Sciences Div., Oak Ridge Natl. Lab., P.O. Box 2008, Oak Ridge, TN 37831-6036.)
- 3-6 Dec. 51st Midwest Fish & Wildlife Conf., "Development of Ecological Theory and Its Application in Fish & Wildlife Management - A tribute to Stephen A. Forbes," Ramada Renaissance and Springfield Hilton Hotels, Springfield, IL. (51st Midwest Fish & Wildlife Conf., Illinois Dept. of Conservation, Div. of Fisheries, 600 N. Grand Ave., W., Springfield, IL 62706. 217/782-6424.)

**1990**

- 11-16 Feb. "Acid Deposition: State of Science & Technology," intl. conf., Hilton Head Island, SC. (NAPAP 1990 Intl. Conf., Natl. Acid Precipitation Assessment Program, 722 Jackson Pl., NW, Washington, DC 20503. 202/395-5771.)
- 15-18 Mar. National Wildlife Federation Annual Mtg., Denver Marriott Hotel, Denver, CO. (Susan Witek, NWF, 1400 16th St., N.W., Washington, DC 20036-2266. 202/797-6800.)
- 16-20 Mar. The Wildlife Society Annual Mtg. (incl. Annual Council Mtg.), Sheraton Denver Tech Center Hotel, Denver, CO. (Harry E. Hodgdon, Executive Director, TWS, 5410 Grosvenor Lane, Bethesda, MD 20814. 301/897-9770.)
- 16-21 Mar. 55th North American Wildlife & Natural Resources Conf., Sheraton Denver Tech Center Hotel, Denver, CO. (L.L. Williamson, Wildlife Management Institute, Suite 725, 1101 14th St. N.W., Washington, DC 20005. 202/371-1808.)
- 9-11 Apr. Floodplain River Symp., Louisiana State University & Agricultural & Mechanical College, at Hilton Hotel, Baton Rouge, LA. (River Symp.-LSU, LA Coop Fish & Wildlife Research Unit, 124 For., Wildl., & Fish. Bldg., LSU, Baton Rouge, LA 70803-6202.504/388-4184.)

**1991**

- 22-27 Mar. 56th North American Wildlife & Natural Resources Conf., Edmonton Convention Centre, Edmonton, Alberta, Can. (L.L. Williamson, Wildlife Management Institute, 1101 14th St. N.W., Suite 725, Washington, DC 20005. 202/371-1808.)



**THE WILDLIFER (ISSN 0163-6359)**  
**THE WILDLIFE SOCIETY, INC.**

5410 Grosvenor Lane  
 Bethesda, MD 20814

Second Class Postage Paid  
 at Bethesda, MD  
 and additional entry office