Tortoise Tracks

The Desert Tortoise Preserve Committee Newsletter

Fall 1991 11:6



Desert Tortoise sunning at the Desert Tortoise Natural Area.

Photo by Bev Steveson

BRYAN JENNINGS TO GIVE ANNUAL DINNER PRESENTATION

Bryan Jennings, the 1991 Naturalist for the Desert Tortoise Natural Area, will give the annual banquet address on January 18, 1992, at Hodel's in Bakersfield.

Bryan is currently a graduate student at the University of Texas at Arlington and hopes to return to the Natural Area this spring to conduct research on tortoise feeding habits. For the banquet, Bryan will summarize his observations about tortoises and visitors to the interpretive center last spring. Of particular interest to our members will be Bryan's delightful accounts of watching two adult

tortoises forage and how he recorded bite-by-bite what they ate and how they searched for food. Bryan found that the tortoises not only had individual preferences but different search habits.

Join us to see Bryan Jenning's slide presentation of flowers, tortoise foods, and scenery from his service as Naturalist last spring.

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ANNUAL MEETING AND BANQUET

The Desert Tortoise Preserve Committee, Inc. will host the Annual Meeting of the corporation and banquet on Saturday, January 25, 1992 at Hodel's Buffet in Bakersfield, California. The meeting of the corporation is open to all members and the general public. The price of the dinner is \$9.00 per person, payable in advance, which includes tax, tip and beverage.

Please consider joining us. We look forward to seeing the members we've met in previous years, and we encourage guests to attend as well. Let's become acquainted! The afternoon meeting offers an opportunity to hear firsthand about the Committee's activities during the past year and of its goals for the future.

If you cannot be present for the afternoon meeting, we hope you will be able to join us for the evening dinner and program. The schedule of events is as follows:

Business Meeting	2:00 p.m. to 5:00
p.m.	
Social Hour	5:00 p.m. to 6:00
p.m.	
Dinner and Program	6:00 p.m. to 9:30
p.m.	et erretarates and

Please note, your reservation <u>must be</u> received by January 18, 1992. For your convenience a reservation form has been included in this issue of <u>Tracks</u>. For more information please feel free to contact Mr. Roger Dale at (714)883-7970.

Reserve Early by Completing Registration Form At Your Earliest Convenience!

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The Desert Tortoise Preserve Committee is seeking people who are interested in the naturalist program in 1992, as well as volunteers to assist with educational outreach. Interested persons should call (800)972-6678 or send a letter of interest to P.O. Box 453, Ridgecrest, CA 93556.

The Desert Tortoise Preserve Committee

Officers

Jayne Chavez-Scales Tom Dodson George Moncsko Laura Stockton Roger Dale Carol Panlaqui Peggy Scanlan Bev Steveson Dr. Kristin Berry Jun Lee

President Vice President Vice President Vice President Recording Secretary Treasurer Products Chairperson Board Member Board Member Board Member

Tortoise Tracks

Support for Naturalist, Education Program

In August, the Bureau of Land Management and the Preserve Committee signed a cooperative agreement and grant. The objectives of the grant are twofold:

- (1) to increase protection for the desert tortoise at the Desert Tortoise Natural Area (DTNA) and elsewhere in the California deserts by providing full-time naturalists at the DTNA during the principal visitor use period in spring; and
- (2) to increase public awareness, support, and understanding of the desert tortoise and conservation efforts for the threatened species through a pilot program for educational outreach to schools, fairs, and shows in the urban areas of Southern California.

South African Tortoise Biologist Visits California Desert

Dr. Ernst Baard, employee of the Chief Directorate of Nature and Environmental Conservation of the Cape Province of South Africa, recently visited Dr. Kristin Berry and the Tortoise Team at the BLM's California Desert District Office. Within the Cape Province are 12 species of tortoises, which represent about 25% of the world's tortoise species. Dr. Baard presented an interesting seminar on the natural history and conservation of tortoises from the Cape Province.

Dr. Baard showed slides of vegetation communities from the Cape Province which looked strikingly similar in appearance to plant communities of California's Mojave Desert. Habitat the Karoo region, located in the southern half of Cape Province, looked remarkably similar to the creosote bush scrub community of the eastern Mojave Desert. Dr. Baard also presented data on population declines of the endangered Geometric Tortoise. He estimates that there are fewer than 8,000 geometric tortoises in the wild. Causes of declines include vandalism, illegal collecting, release of captives potentially carrying diseases, and habitat destruction from agriculture, urbanization, vehicle use, livestock grazing and frequent fires caused by invasion of exotic plants. Many of the same impacts have been associated with population declines of tortoises in California.

Dr. Baard joined Dr. Berry and Hal Avery for a three-day tour of the desert, starting with the Desert Tortoise Natural Area and American Honda relocation project. During his visit to the California Desert, Dr. Baard remarked on the relatively poor condition of range in parts of Shadow Valley and other regions. Some areas showed signs of heavy livestock trampling and heavy invasion of Russian thistle, an exotic shrub which increases in disturbed habitat. Perennial grasses and palatable shrubs such as desert mallow were found grazed almost to the ground. Dr. Baard described these areas as "gemoer!", which means "hammered!" in his native language.

It was apparent from speaking with Dr. Baard that problems affecting tortoise populations

in the United States may be similar to those impacting tortoise populations in other regions of the world, and that solutions to help declining tortoise populations should be sought from and discussed with scientist from many different countries.

17th Annual Desert Tortoise Council Symposium

On March 6-9, 1992, the Desert Tortoise Council will host its 17th Annual Meeting and Symposium at the Palace Station in Las Vegas, Nevada. The symposium promises to be stimulating, though-provoking, and, at least for a few hours, highly charged.

Several papers will be given on topics relating to the Desert Tortoise Natural Area and western Mojave, including a paper on the American Honda relocation project and food habits of two adult tortoises at the northern end of the Natural Area.

Two panels are of special interest to our readers. Dr. Elliott Jacobson of the University of Florida will chair the panel on upper respiratory tract disease. Panel topics will include the latest news on outbreaks of disease at the Desert Tortoise Conservation Center in Las Vegas, research on pathogens causing the disease, tests to identify ill animals, and mortality rates in wild populations. Research teams working at the Las Vegas Conservation Center and led by Dr. James Spotila and Dr. Olav Oftedal will form a prominent part of the panel.

The second panel deals with a more controversial and difficult topic, the management and disposition of hundreds of wild tortoises taken from lands slated for development, such as the Las Vegas Valley. How should ill tortoises be handled? Should some of these animals be euthanized? If so, under what conditions? What will happen in California? Panel members will include representatives from Tort Group, the Desert Tortoise Council, the California Turtle and Tortoise Club, and government agencies.

For more information on the upcoming symposium, write to: Desert Tortoise Council, P.O. Box 1738, Palm Desert, CA 92261. You may also call (619)341-8449.

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Congress Approves \$700,000 For Desert Tortoise Habitat

By Richard Spotts Defenders of Wildlife

Congress has appropriated \$700,000 to the Bureau of Land Management desert tortoise land acquisition program for the 1992 fiscal year.

Over the last five years Congress has approved about \$6 million dollars for desert tortoise habitat conservation. "This is an impressive sum for this now 5-year tortoise funding campaign, and it demonstrates the positive and overwhelming public support for these funding requests," says Richard Spotts, California representative for Defenders of Wildlife.

In contrast to past appropriations for desert tortoise land acquisition this year's funding is under the general heading of "Desert Tortoise Habitat." In the past years, Congressional appropriations were earmarked for the Desert Tortoise Natural Area and the Chuckwalla Bench Area of Critical Environmental Concern. According to Spotts, "presumably BLM will have discretion on how it allocates this \$700,000 among available acquisition opportunities.

Richard Spotts, a key advocate for Congressional funding for the desert tortoise, urges members of the Preserve Committee to write the following officials to thank them for their continued support.

A special note of appreciation may be appropriate for The Honorable Bill Lowery. Mr. Lowery is the only California Congressional Representative on the House Interior Appropriations Subcommittee, which determines funding each year for BLM acquisitions. In addition, Preserve Committee members may also send a personalized note to Senator John Seymour, California's junior senator, for his support in the appropriations and thanks for his visit to the Desert Tortoise Natural Area last Memorial Day weekend. Senator Alan Cranston 112 Hart Senate Office Bldg. Washington, DC 20510

The Honorable Sid Yates, Chairman Subcommittee on Interior House Committee on Appropriations B-308 Rayburn House Office Bldg. Washington, DC 20515

Senator John Seymour 367 Dirksen Senate Office Bldg. Washington, DC 20510

Senator Robert C. Byrd, Chairman Subcommittee on Interior Senate Committee on Appropriations 122 Dirksen Senate Office Bldg. Washington, DC 20510

The Honorable Jerry Lewis 2312 Rayburn House Office Bldg. Washington, DC 20515

The Honorable Alfred McCandless 2422 Rayburn House Office Bldg. Washington, DC 20515

The Honorable Bill Lowery 2433 Rayburn House Office Bldg. Washington, DC 20515

The Honorable William Thomas 2402 Rayburn House Office Bldg. Washington, DC 20515

The Honorable Mel Levine 2443 Rayburn House Office Bldg. Washington, DC 20515

Five Year Desert Tortoise Habitat Protection Program Hits Six Million Dollar Mark!

Special Report

Bryan Jennings Gathers Data on Feeding Habits of Tortoises

Bryan Jennings, who was the Naturalist at the Desert Tortoise Natural Area this spring, collected data on the feeding habits of tortoises. He worked on a Bureau of Land Management (BLM) contract designed to gather preliminary data on the feeding habits of tortoises in the western Mojave Desert.

The project involved following two adult tortoises, a male and a female and recording each bite of food taken between the time the tortoises emerged from their burrows in the early morning until they retreated for the evening. The Two tortoises were easily located, because they had been fitted with radio transmitters a few years ago. They are also part of a BLM long-term project on health profiles and physiology.

Bryan and Cliff Fontenot followed the tortoises for 12 days each in May and June of this year. The female tortoise, who lived on the northern portion of the Natural Area, was observed to take about 4700 bites of plant material. By using bite counts to measure her preferences, Bryan found that 44% of her food consisted of a small annual plant called Egbertia (Lygodesmia exigua), 22% was the perennial Layne locoweed, and 19% a small annual locoweed (Astragalus didymocarpus). She also was observed to eat 10 other species of plants. She rarely consumed weeds or plants introduced from Europe and Asia. Weeds composed fewer than 3% of the bites taken. The most frequently ignored plants were filaree (a weed), Pringle Erophyllum, rigid spiny herb, and split grass (a weed).

The male tortoise lived in the north central part of the Natural Area. He was observed to take almost 7500 bites of 23 species of annuals and two species of perennials. His preferred plants were filaree (19%), Layne locoweed (17%), blazing star (17%), brittle spine flower (13%), and Parry rock-pink (13%). He typically passed by and did not touch many individual plants of alkali gold fields, filaree, and checker fiddleneck (a weedy species).

Bryan Jennings' findings support what many tortoise biologists have stated for years:

- tortoises are very selective in their choices of foods,
- they eat many different species of plants,
- they primarily eat annual wildflowers of herbaceous perennials,
- their diet changes with the season, and
- they may eat different foods in different years, depending on what is available

The BLM needs to know the details of the diet of desert tortoises for many reasons. One example is the program to restore desert tortoise habitat. A second example is to determine the degree of competition with livestock. Readers can expect to see additional research and study projects on the topic in the near future.

Education Projects for the Desert Tortoise in California:

The 1990-1992 Program for the Bureau of Land Management

Background:

In California, the Bureau of Land Management (BLM), California Department of Fish and Game, Desert Tortoise Preserve Committee, California Turtle and Tortoise Club, Defenders of Wildlife, and The Nature Conservancy have made major contributions to public education since 1974. In the past, government agencies and conservation organizations have share roles and responsibilities for designing and distributing materials such as posters and brochures. The shared efforts continue today.

The BLM's relationship with the Desert Tortoise Preserve Committee began in 1974 and reached a major milestone in 1980 with the dedication of the Desert Tortoise Natural Area, completion of the interpretive center and construction of the fence around the Natural Area. Since 1989, the BLM and the Preserve Committee have shared the costs of staffing a naturalist program at the interpretive center for three months each spring.

Setting Priorities for the Program:

The BLM developed a draft state-wide plan for management of the desert tortoise in 1990-1991. The plan includes a section on priorities and opportunities for public education. The plan is designed to reduce mortality and to recover populations and habitat for the tortoise.

Sources of Funds and Support for the Programs:

The programs are supported in four different ways: direct funding; contributions of personnel and staff time; volunteer labor from the private sector; and programs shared by the government and private organizations. In general, funds for specific projects come from the Desert Tortoise Preserve Committee and the California Department of Parks and Recreation (Off-highway Vehicle Funds). In 1991, the World Society for the Protection of Animals provided a small grant for a poster. The BLM provides personnel with expertise in tortoise biology, education, and public affairs. Organizations such as the Desert Tortoise Preserve Committee and Tortoise Club are a source of volunteers and shared efforts.

To date, funds have been modest and insufficient to provide for more than a minimal program of brochures, a few small exhibits, and slide shows. Hopefully, additional funding will allow production of a more expanded program with video tapes, television programs, displays in major museums, and a variety of brochures on different topics.

The 1990-1992 Projects

Education Brochures and a Travelling Exhibit: The BLM is in the process of producing a substantial exhibit which can be taken to fairs, shows, offices, and museums. It is designed to be dismantled easily and fit in a vehicle. Brochures will accompany the exhibit. Supported by the BLM and California Department of Parks and Recreation (ORV monies).

"Questions and Answers about the Desert Tortoise": Preparation and distribution of 3-ring binders, "Questions and Answers about the Desert Tortoise." This project is designed to provide critical information to people who deal with the public at government offices (e.g., BLM, fish and game, animal control officers, police, sheriffs) and humane societies. The 3-ring binder contains answers to commonly asked questions, such as "What should I do with my captive tortoise?" Supported by the Desert Tortoise Preserve Committee, California Department of Parks and Recreation (ORV monies) and BLM.

Informational Signs about the Desert Tortoise: The BLM is placing signs about the desert tortoise at highway rest areas and key locations. Supported by the California Department of Parks and Recreation (ORV monies), BLM, and California Department of Transportation.

Color Posters Educating against Vandalizing Tortoises: Color posters designed to educate shooters about vandalism of tortoises. This special poster focuses on what people with firearms can and should do to help the tortoise. Posters will be sent to sports and gun shops in California. Supported by the World Society for the Protection of Animals and BLM.

Naturalist at the Desert Tortoise Natural Area: A Naturalist at the Desert Tortoise natural Area for seven days a week for three months each spring. The program was initiated in 1989 and has been expanded to provide 70 hours of service per week in spring. Supported by the Desert Tortoise Preserve Committee, BLM, and California Department of Parks and Recreation (ORV monies).

Pilot Educational Outreach Program: A pilot program for educational outreach at one or more elementary schools in San Bernardino County. The program will be initiated in fall of 1991 through a grant from the BLM to the Desert Tortoise Preserve Committee. Supported by the Desert Tortoise Preserve Committee, BLM, and California Department of Parks and Recreation (OHV monies).

DESERT TORTOISE PRESERVE COMMITTEE PRODUCTS





sew on patch 3½ inch diameter \$2.85 each TIE TAC/PIN

PATCH

Enamel ³⁄4 inch diameter \$2.85 each



POSTCARDS & NOTECARDS (A) (C) (E) POSTER (not shown)\$1.00 "Follow Me To ... The Desert Tortoise Natural Area" Color Photo: 17" x 20" NOTE CARDS: (A) Tortoise & Hare 60c ea. or 10/\$5.00 POSTCARDS: (not shown) 15c ea. or 7/\$1.00 Desert Animal & Plant Life, choice of 6 color photos BORDERED POSTCARDS: (D & E) 25c ea. or 5/\$1.00 Tortoise or Kit Foxes (Foxes not shown) BOLO



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ADDED FORM

Department of Fish and Game Euthanasia Policy

On June 8, the Desert Tortoise Council held a tortoise techniques workshop. At the workshop, representatives of the California Department of Fish and Game informed attenders that they had decided to prohibit adoption of tortoises taken from the wild under permits. These permits are issued by the department and the U.S. Fish and Wildlife Service for circumstances where development occurs in desert tortoise habitat and such development will not jeopardize the continued existence of the species.

Tortoises taken under permit must now be used for education or research purposes only. Those tortoises not used for such purposes must be euthanized.

Department representatives have stated that tortoises taken by the permits or crushed by bulldozers or adopted are lost to the wild population.

The Department of Fish and Game's new policy is in direct conflict with the U.S. Fish and Wildlife Service. The Service was planning on contacting the Department to attempt to resolve this issue.

The Desert Tortoise Council believes that wild tortoises should not be euthanized when they could be adopted or placed in formal captive breeding programs. In addition, most turtle and tortoise clubs in California have a waiting list of people who want to adopt a tortoise.

Organizations dedicated to the conservation of the desert tortoise are urging the public to express their outrage over the possible needless killing of California state reptile. The department's director, Mr. Pete Bontadelli, should be informed that the adoption programs are both viable and available in California.

WRITE TODAY TO: Mr. Pete Bontadelli, Director, California Department of Fish and Game, 1416 Ninth Street, 12th Floor, Sacramento, CA 95814.

Reprinted from <u>The Bridge</u>. Readers interested in subscribing to this publication should write to Paula Morris, <u>The Bridge</u>, 5915-G Calle Real, Suite 131, Goleta, CA 93117.

Jail for Tortoise Snatchers

By Joseph Ditzler Staff Writer The Daily Press, Barstow

VICTORVILLE--Three Cambodian men from Garden Grove received three-to four-month jail terms Tuesday for removing 16 desert tortoises from their burrows in June, authorities said.

Phai Lek, 18, Sin Lek, 20, and Pek Rith, 22, pleaded guilty to 16 counts of taking tortoises--a threatened species--before Municipal Court Judge John Gibson.

Buddhist rite or ethnic food?

He sentenced Rith and Sin Lek to 120 days and Phai Lek to 100 days in San Bernardino County Jail, court records show. Gibson also ordered each defendant to pay a \$2,000 fine and placed all three on probation for three years.

Prosecutors believe the defendants may have planned to sell the tortoises as an ethnic food.

Rith's attorney, Troy Padgett of Hesperia, said his client intended to use the tortoises in a Buddhist ceremony.

However, according to Deputy Robert Woodrum, a Buddhist priest told authorities that tortoises aren't used in religious ceremonies--but are used as table fare among Cambodians.

Curt Taucher, California Fish and Game Department spokesman in Long Beach, lauded the sentence.

"One hundred and twenty days is a very high award," Taucher said. "I can't remember one being as high. We're usually grousing because they're too low."

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Tortoise Snatchers

Continued from Page 5

Woodrum stopped the three defendants June 27 on Interstate 15 at Joshua Road for a seven-year-old expired vehicle registration, he said.

Woodrum said he found a hoe and a pike in the car. "The knew what they were doing," he said.

The digging tools, which one man tried to conceal, and the fact that another gave a false name aroused Woodrum's suspicions, he said.

"I didn't expect to find tortoises in the trunk," he said. "I never saw that many in my life." With the tortoises he also found a dead rattlesnake.

Tortoises survived

Woodrum, who said all the tortoises apparently survived, summoned a game warden to take responsibility for the reptiles.

Taucher said they were probably turned over to a rehabilitation facility to help them recover from their capture. Handling tortoises exposes them to disease, a major threat to their dwindling population.

The three defendants told authorities that they took the animals from Harper Dry Lake, northwest of Barstow.

The trio has been in custody since the arrest.

Reprinted from The Daily Press based in Barstow, California. August 23, 1991

Membership Announcement

You will no longer find our traditional member/donor renewal form in this fall newsletter.

Members wishing to continue to give yearend donations should send a check or money order to the Treasurer, Desert Tortoise Preserve Committee, Inc., P.O. Box 453, Ridgecrest, CA 93556. Acknowledgement notes will be sent to donors once donations are received.

Due to the increase in the Committee's

mailing, and the increased cost of mailing in general, the Treasurer will issue quarterly notices throughout the year. Membership renewal notices should be received around the anniversary date of a member's last payment.

Russian Thistle Removal Work Party Report

Committee volunteers have started efforts to remove Russian Thistles in the northwest corner of Section 8 of the Desert Tortoise Natural Area.

Four volunteers worked at the Natural Area on the weekends of June 8-9 and June 15-16, 1991, with authorization from the Bureau of Land Management. Bev Steveson, Laura Stockton--both members of the Board of Trustees--and Committee members Georgette Theotig and Michael Virga, removed plants with seeds and pulled or hoed plants without seeds.

Jack Zaninovich, a local native plant expert, felt that based on his observations of Russian thistle in the San Joaquin Valley, that the week would spread very little beyond the disturbed area. Disturbance is found when sand builds up from former agricultural areas--a main source of Russian thistle seed.

Hopefully, the agricultural land which is now owned by Honda Corporation will be stabilized by Honda's own efforts to control Russian thistle and will minimize Russian thistle seed dispersion into the Natural Area.

Based on this preliminary effort, four recommendations were made to the Board of Trustees.

1. That the Russian thistle removal be a major part of spring work party efforts.

2. That the Committee and BLM rangers carefully monitor growth rate to effectively plan one or more weedings as necessary.

3. That the present area of distribution be marked to determine if the weed is spreading.

4. That the methods of disposal be checked for effectiveness.

Tortoise Tracks

RESERVATION FOR ANNUAL BANQUET

Please make checks payable to the DESERT TORTOISE PRESERVE COMMITTEE, INC., and send to:
Mr. Roger Dale Recording Secretary, DTPC P.O. Box 3591 San Bernardino, CA 92413
Questions? Please feel free to call Mr. Dale at (714)883-7970
CHECKS AND RESERVATION FORMS MUST BE RECEIVED BY JANUARY 18, 1992!
Please make a reservation for person(s) in my name, for the Desert Tortoise Preserve Committee Annual Banquet at Hodel's Buffet, Bakersfield, California, to be held Saturday, January 25, 1992. I understand that the dinner will be \$9.00 per person, including tax, tip and beverage.
I am enclosing a check for \$, as full payment.
Name: Phone Number:
Address:
City: State: Zip:
Organization (if any)
Plan to attend afternoon business meeting: Yes No
For your information and convenience, a vicinity map for the Annual Meeting and Banquet is provided below, along with information for three motels, all within a block of Hodel's.
Economy Inns of America Bakersfield #2 (North) S100 Knudsen Drive (Senior Citizen Discount) Reservations: (800) 826-0778 Olive Tree Ct.
HODEL'S Olive Dr
Bakersfield #2 5200 Olive Tree Court
Reservations: (805) 392-1511 Bakersheld (North)
Sakersfield (North)
Reservations: (805) 392-9700 To L.A. /

Tortoise Tracks Readership Questionnaire

In order to better understand the educational value and general usefulness of the Preserve Committee's newsletter, it would be of great help if you would take the time to complete this questionnaire, detach it from the body of the publication, and mail it to Mr. Roger Dale, P.O. Box 3591, San Bernardino, CA 92413. For your convenience this page also includes the Annual Banquet and Meeting Registration Form, which also should be sent to Mr. Roger Dale.

1. ARE THE QUARTERLY NEWSLETTERS INFORMATIVE AND USEFUL? YES NO 2. ARE YOU INTERESTED IN EVENTS AND NEWS ABOUT OTHER ORGANIZATIONS DEDICATED TO DESERT TORTOISE CONSERVATION? YES NO 3. SHOULD THE COMMITTEE REDUCE THE NUMBER OF PAGES OF ITS NEWSLETTER TO FOUR PAGES (IN ORDER TO LOWER PRODUCTION AND MAILING COSTS)? YES NO 4. WHAT ARTICLES AND INFORMATION WOULD YOU BE INTERESTED IN SEEING IN UPCOMING ISSUES OF TORTOISE TRACKS?

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