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THE PROBE



National Animal Damage Control Association

No. 35

August, 1983

EASTERN ADC CONFERENCE

Got the program for the Cornell Conference on September 27-30. My butt is sore just looking at it. A bunch of good sounding papers but I hope I can keep awake for the night sessions as I'm on one. Anyway here is a list of the titles and senior author:

THE IMPORTANCE OF ADC TO WILDLIFE MANAGEMENT IN NORTH AMERICA - Dale Jones

ADC IN EASTERN STATES: 1982 - Don Spencer

WILDLIFE DAMAGE CONTROL IN EASTERN CITIES & SUBURBAN AREAS - Van Flyger

INTEGRATED PEST MANAGEMENT: A USEFUL APPROACH TO ADC ? - Bob Timm

REANALYSIS OF FARMER WILLINGNESS TO TOLERATE DEER DAMAGE IN NY - N.Sanyal +

POTENTIAL OF MAMMALIAN PHEROMONES IN ADC - D. Muller-Schwarze

POPULATION STATUS OF BLACKBIRDS & STARLINGS IN N.A. - R. Dolbeer +

NEW DIRECTIONS IN DEER DAMAGE MANAGEMENT IN WISCONSIN - S.R.Craven

UNDERSTANDING DEER DENSITY CONTROL IN NY - R. Sage, Jr.

EVALUATING REPELLENT APPLICATIONS IN FRUIT ORCHARDS - M. Ellingwood +

DEER DENSITY & FOREST REGENERATION - Nancy Tilghman

REDUCING DEER DEPREDATION IN TENNESSEE - G. Tanner +

DEER DAMAGE CONTROL IN PENNSYLVANIA - W. Palmer

PHYSICAL BARRIERS PROTECTING DOUG FIR FROM DEER - D. DeYoe +

MANAGING COYOTE DAMAGE WITH NONLETHAL METHODS - Sam Linhart

USE OF DOGS TO PROTECT SHEEP - J. Green

EVALUATION OF TRAPPING METHODS ON BOBCAT, COYOTES, RED FOX - J. Litvaitis

GUARD DOGS FOR SHEEP & GOAT PRODUCERS - R. Coppinger +

DELIVERY OF ACTIVE INGREDIENTS FOR COYOTE MANAGEMENT - Bob Schmidt +

EFFICACY & RANCHER USE OF TOXIC COLLAR - T. Blankenship

BLACK BEAR DEPREDATION ON FLORIDA BEES - D. Maehr

BLACK BEAR PROBLEMS AT NYS CAMPGROUNDS - J. O'Pezio +

ELECTRIC LIVESTOCK FENCE FOR DEER DEPREDATION - W. Porter

ELECTRIC FENCING IN ALLEGHENY HARDWOODS - R. Brenneman

DEER CONTROL USING 5-WIRE FENCE - D. Smith

FENCE DESIGNS FOR DEER CONTROL: A REVIEW - J. McAninch +

DEER FENCING WITH HIGH-TENSILE WIRE - J. Wall

SHREW DAMAGE & CONTROL - Bob Schmidt

IGUANA DEPREDATIONS IN VENEZUELA - J. Bruzal +

ULTRASONIC RESEARCH - Bill Jackson

ULTRASONICS: TECHNOLOGY VS TOOLS - T. Tanden

PREDICTING DEER DAMAGE ON METABOLIC NEEDS - A. Moen

SAFETY MEASURES FOR NONTARGETS WHEN BAITING FIELD RODENTS - Rex Marsh
FEDERAL CROP INSURANCE IN ADC - C. Koines
BEAVER MANAGEMENT IN S.E. USA - D. Woodward
PLASTIC TUBING & MESH CULVERTS AT NUISANCE BEAVER SITES - K. Roblee
CONTROL OF BEAVER DAMAGE - Jim Miller
HUMANS VS ANIMALS - Bill Fitzwater
ANGORA GOAT PRODUCTION WITH & WITHOUT COYOTE CONTROL - J. Scrivner +
DEER DAMAGE AND FARMER PERCEPTIONS OF POPULATION TRENDS - D. Decker +
FARMER'S ATTITUDES TOWARDS DEER IN TENNESSEE - G. Tanner +
ECONOMIC EFFECTS OF KNOWN DENSITIES OF PINE VOLES - M. Richmond +
THE 1080 TOXIC COLLAR - J. Scrivner
EFFICACY OF PYROTECHNIC FUMIGANT ON GROUND SQUIRREL - G. Matschke +
MEADOW VOLE CONTROL IN ONTARIO - Z. Siddiqi +
HABITAT & RODENT CONTROL EFFECT ON PINE & MEADOW VOLE DAMAGE - A. Steiner
DAMAGE & RODENT POPULATIONS IN FLORIDA SUGARCANE - N. Holler +
MAMMAL DAMAGE IN ONTARIO ORCHARDS - R. Brooks +
EFFECTS OF SOIL ON PINE VOLES IN NY - J. Whitney
RODENTICIDE APPLICATIONS IN FRUIT ORCHARDS - R. Pagano +
PINE VOLE REINVASION ON UNFILLED SUITABLE HABITAT - P. Miller +
CULTURAL TREATMENTS ON PINE & MEADOW VOLE IN NY - D. Stockrahm +
CANADA GOOSE DAMAGE IN INDIANA - Ed Cleary +
MANAGEMENT OF DEPREDATING BLACKBIRDS IN ONTARIO CORN - J. Somers +
CROP DEPREDATION BY GEESE IN WISCONSIN - R. Hunt
BIRD REPELLENT SEED CORN TREATMENTS - J. Heisterberg
DIMETHYL ANTHRANILATE AS NONTOXIC BIRD REPELLENT - J. Mason +
4-AMINOPYRIDINE IN OHIO FIELD CORN - S. Kelly +
RELATIONSHIP BETWEEN BLACKBIRDS & CORN ROOTWORM - E. Bollinger
CUES USED BY FINCH/STARLING TO DETECT METHIOCARB-TREATED GRAPES - M. Tobin
SENEGAL'S TRADE IN CAGE BIRDS - Rich Bruggers
WILDLIFE POPULATION CYCLES - R. Griffiths
COMPENSATION: RESPONSE TO PEST CONTROL - J. Kautz
PARASITES OF WILDLIFE TRANSMISSIBLE TO MAN & DOMESTIC ANIMALS - J. Georgi
RACCOON RABIES OUTBREAK - S. Jenkins +
VERTEBRATE PREDATORS ON FOREST INSECTS - R. Campbell
BATS IN HUMAN DWELLINGS - S. Frantz +
LETHAL CONTROL OF BLACKBIRD/STARLING URBAN ROOSTS - A. Stickley
KEEPING UNWANTED GULLS AWAY - V. Solman
NEED FOR URBAN ADC - G. San Julian
WILDLIFE-HUMAN CONFLICTS IN URBAN AREA - O'Donnell +
WOODPECKER DAMAGE TO HOUSES - D. Evans
BIRD HAZARDS AT AIRPORTS - Dick Thompson
STRUCTURAL PEST BIRD CONTROL - C. Areson
WILDLIFE AND FUTURE FOOD PRODUCTION - D. Pimentel
PESTICIDES REGISTERED FOR ADC - Ray Matheny
COMPUTERIZED RETRIEVAL ON RODENTICIDE & REPELLENT INFORMATION - W. Smith
PROGRAM FOR COYOTE DAMAGE CONTROL - Bob Henderson
DECISION RULES IN ADC - Terry Salmon
ROLE OF NY FISH & GAME IN DEER DAMAGE CONTROL - L. Berchielli
NUISANCE BIRD CONTROL IN VIRGINIA - Jim Hartlage
WILDLIFE CONTROL COOPERATION PROGRAM IN MARYLAND - J. McKegg

Whew ! See what I mean ?!

You're getting old when everything hurts and what doesn't hurt, doesn't work

COYOTES COST

There is an interesting study out of Wyoming (Lynn J. Jahnke & Clynn Phillips - A METHODOLOGY FOR ASSESSING INDIRECT COSTS OF PREDATION CONTROL: A STUDY OF WYOMING SHEEP PRODUCERS. Univ. WY, May, 1983) on indirect costs (predator control, management practices, etc.) of predation on sheep producers. The study resulted in the following estimated loss to Wyoming for the year of 1981:

Direct costs of predation	\$2,979,000
Indirect costs	
Out-of-pocket expenditures	1,050,000
Predatory animal tax	273,900
Predation replacement costs	458,700
Total	1,782,600
TOTAL	4,761,600

As the statisticians claim the dollar turnover on a state wide basis is a factor of 3, this means the State lost \$8,940,000 because of direct losses to predation. This figure, of course, is meaningless to DEFENDERS OF WILDLIFE and other believers of animals over man.

Another interesting side light is a ranking of the total cost of various predation control measures. The 5 most expensive were not too surprising: aerial hunting, added labor, paid trapper, checking sheep, and ground hunting. It was interesting that repellent, guard dogs, trapping, denning, and fencing in that order rated from 13th through 17th in expense. M-44's were among the cheapest (No. 32 out of 34 items).

An interesting article but most discouraging as the right people will never read it.

You're getting old when your little black book contains only names ending in M.D.

SNAKES

Jeff Jackson sent us a nicely illustrated (good color photos) booklet on SNAKES OF THE SOUTHEASTERN UNITED STATES that he has written. This gives the range, size, appearance, food, and habits of 44 snakes. As he didn't say not to, I assume you can get a free copy by writing him- Cooperative Extension Service, Univ. of Georgia, Athens, GA 30602.

You're getting old when you get winded playing chess

THE BIGHORNS OF A DILEMMA

Imagine ! The following quotation is from an officer in the Sierra Club - "To layman and scientist alike, the concept of species diversity is sacred. In its name the federal government and individual states have listed hundreds of plants and animals as endangered and have protected them from opposing interests, be they those of the government or of private developers. There is something wonderful about this law which makes a butterfly more powerful than a bulldozer. Yet at times even the most ardent preservationist must question the procedures and goals of an endangered species program, perhaps even to the point of asserting a local population's right to extinction."

Carol Cochran (Century, 1 June 1983, pp 24-26) is talking about New Mexico's desert bighorn. At one time present in sufficient numbers to be hunted, it was declared endangered in 1979. Today there are only about 105 sheep in the State and most of these have been transplanted from Arizona. It is estimated that each bighorn represents an investment of over \$10,000.

For a minute I thought we had a friend among the enemy, but then she goes on to castigate the predator control program the Game & Fish Department has embarked upon to save their precious bighorns. Instead of the \$10,000 wasted on each bighorn, she is really unhappy about the 68 lions taken to say nothing of some 30 coyotes plus bobcats. Oh well ! THANK TO DR. ROGER MACQUIGG.

You're getting old when a dripping faucet causes an uncontrollable bladder urge

CONFLICT OF INTERESTS AGAIN

Heavens to Betsy ! The EPA is going to let the USFWS use a maximum of 1500 grams (3.3 pounds) of an anticoagulant rodenticide, diphacinone, to 'eradicate' Artic foxes on Amuktā & Kiska Islands in the Aleutians as they are preying on the Aleutian Canada goose. THANK TO DON HAWTHORNE.

You're favorite part of the newspaper is 25 years ago today

WHAT'S THAT ?

Enclosure studies showed that Canada geese were killed with 1% zinc phosphide rodent bait applied at the rate of 6.7 kg/ha (5.98 lbs./acre). However, the investigators admitted that the geese were forced to take the bait due to the lack of sufficient forage in the enclosure. When there was forage in the enclosure they ignored the bait. Don't expect that observation to make the headlines. CALIF. FISH & GAME, 69(2):105-114, 1983.

You're getting old when you sit in a rocking chair and can't get it going

LETTERS TO YE ED

JIM BACKHOLER, Turnbull Res. Inst., Frankston, Victoria, Australia:

"Greetings from "Down Under"! Since joining NADCA last year I have greatly appreciated the successive issues of 'The Probe'. Congratulations on a most informative and very entertaining publication.

You might have already heard about it, but I am enclosing informatin on the forthcoming Vertebrate Pest Control Conference to be held from July 18-22 at Dubbo, New South Wales (too late ! I'd love to go back to that country).

Further to the "Joey" saga, I've enclosed a clipping from the Melbourne 'Age' - Incidentally, I heard Mrs. Newman on radio, here a few weeks ago...and wasn't very impressed.

Finally, did you hear about the wildlife biologist who crossed his cat with a gorilla ... and now every night he gets put out."

RICHARD CURNOW, Asst. Director, USFWS Denver Wildl. Res. Ctr., CO:

"Thank you for providing us copies of Congressional responses relative to this Center's future AID (Agency for International Development) funding.

Our most recent contact with Harlan Shuyler indicates that proposed funds for our project are \$600,000 for FY-84 and \$435,000 for FY-85. This is a decrease from AID's original indication to us but still sufficient for our international program to maintain its viability.

We greatly appreciate your support. We are hopeful that through your efforts and other interested ADC experts' efforts, we can continue to assist developing countries find effective methods of managing their vertebrate pests."

DR. HARRY ROWSELL, Ex.Dir., Canadian Counc. on Animal Care, Ottawa:

"In response to your ... item "Confirmed Liars - Nothing They Say Is Ever Confirmed", I have heard and read a number of articles in the news media some of which is well known for sensationalism. Unfortunately, I have never seen any documentation regarding the kangaroo cult with the exception of a recent article in Equinox (a Canadian magazine)."

(Dr. Rowsell also sent me an article published in AGENDA a news magazine of the Animal Rights Network (Box 5234, Westport, CN 06881). This is quite a story on the "Animal Liberation" movement in Australia. It points out that the problem of working with the older established animal welfare groups is a basic philosophy as stated by the Royal Society for Prevention of Cruelty to Animals: "The RSPCA charter basically affirms the philosophy that man has dominion over animals, but in his exploitation, treatment, and use of them he must be humane. The alternative philosophy as espoused by the Animal Liberation Movement, maintains that no species of animal, including man, has the right to dominate or exploit another species.")

"I will be going to Australia to attend the World Veterinary Association meeting in Perth from August 19-26. Following this meeting I have a post-Congress lecture tour which will take me to a small city outside of Perth called Willetton, then Adelaide and finally Melbourne. It is my intention to find out what the real situation is in Australia with respect to the kangaroos. I do know that there is a strong movement internationally to have the U.S. ban the importation of kangaroo skins.

Each time I hear stories about animals being skinned alive, as you relate in your news item, I think of the situation with the Canadian seals where it was documented and reported in an enquiry into Brian Davis's activities of the International Fund for Animal Welfare by a Parliamentary Committee that the so-called "skinning alive" of the seal pup was, in fact, staged for the camera crew. Similarly, I think the same thing is true of any reports of other animals being skinned alive. Having some knowledge of the kangaroo...and recognizing the very strong tearing action of the hind feet of the kangaroo, it would be my impression that unless the animal was stunned and unconscious it would be a foolhardy person who would attempt to skin the animal alive and be able to survive those kicking, tearing feet. The kangaroo kills predators by eviscerating them by the violent kicking and tearing action of the hind feet.

I am pleased to get The Probe. I trust that you will continue to send it to me; although we don't agree on every issue, I find your reporting interesting and informative. It does present another view when one is flooded with literature concerning animal liberation and the terrible scientists who in reality (are) trying to find cures to human and animal scourges, to prolong life and improve the well-being of both man and beast."

BOB MCVICKER, USFWS, Buffalo, OK:

"I enjoy the Probe very much. Sending you - How to know when you're growing old. Might be able to use some of the old liners..." (Thanks, Bob, but I don't need to be reminded. Have spread them through this issue.)

Thank you 'll, I do appreciate hearing from that unseen audience that I hope is out there reading this stuff.

You're getting old when dialing long distance wears you out

QUIET ! OUR LEGISLATORS ARE THINKING

"There is a fine art to drafting legislation in such a way that its impact is precisely on target...This year's champion is a bill introduced in the Maryland state senate...In Queen Anne's County, a 100 percent disabled American veteran may hunt raccoon on state-owned property on Wye Island during the open season for hunting raccoon if the veteran is accompanied by at least 1 aide and 1 attendant."

JOHN MAESTRELLI sent me that from the Sacramento Bee with a tear in his voice as he had thought California had the corner on the market of idiotic bureaucrats.

You're getting old when you sink your teeth into a steak and they stay there

PREVENTION AND CONTROL OF WILDLIFE DAMAGE

Enclosed you'll find a flyer on what should be a good book for any ADC library.

After painting the town red, you have to rest before applying a second coat

MOTHERHOOD AND THE ENVIRONMENTAL TASK FORCE

JOHNNY JONES got a little hot under the collar when he received the "1983 NATIONAL ENVIRONMENTAL SURVEY" from the ETF. As he says - "This is the most slanted, biased 'questionnaire' I have ever seen. Even Stu Udall should blush !!"

"2. Do you believe our public parks, wildlife refuges and wilderness areas should be protected from exploitation by private oil, gas, and mineral interests ?

3. Do you think President Reagan and his political appointees care more about protecting firms that are violating the anti-pollution laws than they do about enforcing those laws ?

4. Do you believe that Secretary of the Interior James Watt should be more responsive to the need for environmental and wildlife protection ?
5. Do you feel that greater safeguards should be used in the storage, transportation, and disposal of toxic and nuclear wastes ?
6. Do you believe that stronger conservation measures and increased use of safe alternative sources of energy such as solar power will help our country deal more effectively with diminishing energy supplies ?
7. Do you believe that action should be taken to ensure the independence of the Environmental Protection Agency so that its policies cannot be politically manipulated (this one gets me right where I sit down - I sure would vote to take it out from the political manipulation that the environmentalists have achieved so far) ?
8. Do you feel that the environmental movement should coordinate and unify its efforts in response to critical environmental issues (in other words send us your money) ?"

And I get accused of having a one-track mind that is often derailed.

You're getting old when your children begin to look middle-aged

I READ IT IN THE NATIONAL ENQUIRER

Tsk ! Tsk ! What do you people read ? I had several copies of the NATIONAL ENQUIRER for June 28th sent to me. The headlines scream: YOU CAN HELP SAVE 30 MILLION ANIMALS A YEAR FROM OUTRAGED CRUELTY. Aimed at the leghold trap, it proclaims only 17 million out of the 30 million animals trapped annually have fur pelts of value (I would like to see the research that obtained these figures).

You're getting old when you finally reach the top of the ladder and find it leaning against th wrong wall

VULTURES WHO CAN'T WAIT

PHIL EGGBORN (VA Dept. Agriculture) wrote (a little while back - Sorry, Phil): "We have had in the last several months two vulture predation situations develop here in Virginia. In one instance near Richmond, a farmer lost two newborn calves and cows to vultures. In this case both cows were having difficulty calving and were weakened and unable to fight off the vultures. Black vultures were the main culprits, but a few turkey vultures were in on it too. I wonder if anybody else has reported or heard of any increased predation by vultures in other areas ? We have had a few more complaints in recent years than in the past." (In PROBE #14, I mentioned a case in Texas).

You're getting old when your knees buckle and your belt won't

DOG AND PONY SHOW

I'm taking another swipe at educating the public on the intricacies of vertebrate pest control. Figured as long as Sec/Treas of NADCA was too cheap to pick up the total tab I might try to make a few pennies on the side as per the following. Again NADCA members will get \$5 off though it costs me.

National Animal Damage Control

Association 3919 Alta Monte, NE Albuquerque, New Mexico 87110



The **NATIONAL ANIMAL DAMAGE CONTROL ASSOCIATION** is sponsoring a series of seminars on vertebrate pest control in September, 1983. These seminars are being run in cooperation with pesticide recertification officials in each of the States listed (some states are giving 3 recertification credit hours). They consist of six half-hour slide/tape segments on the control of vertebrate pests (main emphasis on rats, mice & urban birds) found in your area:

VERTEBRATE PESTS- Identification of vertebrate pests (rats, starlings, moles, bats, skunks, etc.), damage-caused, field sign, & legal status.

BASICS OF CONTROL- Control philosophies and animal behavioral patterns.

CONTROL MEASURES- Basic control approaches: environmental manipulation, protection of sites/crops, and reductional control measures.

REPELLENTS- Devices and chemicals repellent to pest animals and physical barriers to reduce depredation.

TRAPS- Trap types and techniques used in controlling rats, mice, birds, moles, gophers, skunks, squirrels, etc.

TOXICANTS- Various toxic chemicals used in animal damage control and their proper application.

The cost of these seminars will be \$20 per attendee which includes reference texts on vertebrate pest management. The seminars will be held from 8:30 AM to 12:00 PM at the following locations. Space is limited so advance registration (\$5) will hold a space until the program starts.

- 20 Sept.- Howard Johnson, 3190 Dirksen Pky., SPRINGFIELD, IL
- 21 Sept.- Howard Johnson Airport S., 4505 S.Harding St.INDIANAPOLIS,IN
- 22 Sept.- Ramada Inn N, 1213 Dublin-Granville Rd., COLUMBUS, OH
- 23 Sept.- Quality Inn, 5680 Allentown Blvd., HARRISBURG, PA

The vertebrate pest control sessions will be conducted by Bill Fitzwater, Sec/Treas of NADCA. He is knowledgable on vertebrate pests having worked 22 years in the U.S.Fish & Wildlife Service ADC division (11 of which were spent in the mid-west so he is well acquainted with problems in this area). He has also been a Wildlife Extension Specialist at Univ. Calif.- Davis, helped write the vertebrate pest control sections of the U.S. Environmental Protection Agency pesticide certification training manuals, been a United Nations expert in India, Haiti, & Dominican Republic, and a consultant for federal, state, and private agencies since 1976.

ABSTRACTED FROM DENVER WILDLIFE RESEARCH CENTER ANNUAL REPORT: 1982

COYOTES (SLD)- Diphacinone in 30mg single lethal dose (SLDs) baits killed 3/3 coyotes & 2/3 with 15mg dosages. 3/4 died on SLDs containing 3mg of 1080; 4/6 on 4mg baits; and 6/6 on 5mg baits. Theoretical amounts of 1080 consumed (all of the coyotes vomited after eating the bait) ranged from 0.27-0.52 mg/kg.

(Toxic collars)- Experiments are continuing with edible "toxic collars" made of sheep mesenteric fat laced with a toxicant attractive to coyotes. These would be cheaper and could conceivably be put on every lamb.

(Cyanide cartridges)- Results with silicon dioxide powders to prevent caking of cyanide seemed promising.

COMMENSAL RODENTS (Ultrasonics)- Study was completed on two types of ultrasonic rodent repellent devices. In both cases repellent effects were marginal (less than 50% reduction in activity) and of short duration (less than 1 week).

BIRDS (Repellents)- The addition of a color cue will apparently enhance the repellent effectiveness of methiocarb. Dimethyl anthranilate appears to repel redwings, starlings, and goldfinches from sunflowers and grapes, but not corn.

You're growing old when your mind makes contracts your body can't keep

EL PRESIDENTE

We have learned that the Regional Director of the USFWS in the Atlanta, Georgia office is preparing a reduction in the ADC program. The present proposal wants to abolish the State Supervisor posts in North Carolina, South Carolina, Georgia, and Florida. Since I was the Regional Supervisor of the ADC program for the Southeast Region in 1965-7, I am aware of the need for cooperative programs in the Seaboard states to alleviate wildlife conflicts as provided for in the Act of 1931. I will have further comments regarding the above proposals when I have had the opportunity to examine the present program's needs and accomplishments - GEORGE S. ROST, President NADCA.

You're getting old when you start to regret all those mistakes resisting temptation

THIS PUBLICATION IS INTENDED AS AN INFORMAL NEWSLETTER TO MEMBERS AND SUPPORTERS OF NADCA. IT IS NOT AN OFFICIAL DECLARATION OF NADCA POLICY OR A CONSENSUS OF OPINION IN ALL INSTANCES.

YE ED - William D. Fitzwater

**National
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