

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

---

Bird Control Seminars Proceedings

Wildlife Damage Management, Internet Center for

---

November 1979

## Proceedings Eighth Bird Control Seminar: Frontmatter and Contents

Follow this and additional works at: <http://digitalcommons.unl.edu/icwdmbirdcontrol>



Part of the [Environmental Sciences Commons](#)

---

"Proceedings Eighth Bird Control Seminar: Frontmatter and Contents" (1979). *Bird Control Seminars Proceedings*. 1.  
<http://digitalcommons.unl.edu/icwdmbirdcontrol/1>

This Article is brought to you for free and open access by the Wildlife Damage Management, Internet Center for at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Bird Control Seminars Proceedings by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

**Proceedings  
Eighth Bird Control  
Seminar**

Bowling Green State University  
Bowling Green, Ohio

30 October - 1 November 1979

Proceedings  
Eighth Bird Control Seminar

Bowling Green State University  
Bowling Green, Ohio

30 October - 1 November 1979

SPONSORED BY THE

ENVIRONMENTAL STUDIES CENTER  
BOWLING GREEN STATE UNIVERSITY

WITH THE ASSISTANCE OF

UNITED STATES FISH AND WILDLIFE SERVICE

AND

NATIONAL PEST CONTROL ASSOCIATION  
VIENNA, VIRGINIA

DR. WILLIAM B. JACKSON  
Conference Chairman and Editor

SHIRLEY S. JACKSON  
BETH A. JACKSON  
Assistant Editors

## TABLE OF CONTENTS

### I. General Sessions

Review of Avian Mortality due to Collisions with Manmade Structures Michael L. Avery .....	3
Bird Control and Endangered Species Denis S. Case.....	12
Response of Birds to Raptor Models Michael R. Conover .....	16
A Report on Efficacy of Methiocarb as an Avian Repellent in Figs and Results of Industry-Wide Bird Damage Assessments A. Charles Crabb .....	25
DRC-1339 and DRC-2698 Residues in Starlings: Preliminary Evaluation of their Effects on Secondary Hazard Potential D.J. Cunningham, E.W. Schafer, Jr. and L.K. McConnell.....	31
Setting up an Effective Urban Blackbird Roost Control Program Sally S. Erdman .....	38
The Attractiveness of Shredded Garbage to Gulls and other Avian Species Potentially Hazardous to Aircraft Dennis M. Forsythe .....	43
Mesurol as a Bird Repellent on Grapes in Ohio Hailu Kassa and William B. Jackson .....	59
Developmental Status of N-(3-chloro-4-methylphenyl) Acetamide as a Candidate Blackbird/Starling Roost Toxicant Paul W. Lefebvre, Nicholas R. Holler, Raymond E. Matteson, Edward W. Schafer, Jr., and Donald J. Cunningham .....	65
Effective Use of Sound to Repel Birds from Industrial Waste Ponds Lee R. Martin .....	71
ASTM - Bird Control Testing Standards E.W. Schafer, Jr.....	77
Extended Use of Starlicide in Reducing Bird Damage in Southeastern Feedlots Allen R. Stickley, Jr.....	79
Behavioural and Physiological Problems Associated with the Development of CURB Rufus J. Stone .....	90
Behavioral Control of Seagulls at Langley Air Force Base John F. Stout and Ernest R. Schwab .....	96
Cooling Towers as Obstacles in Bird Migrations Manfred Temme and William B. Jackson .....	111
Cardiac and Operant Behavior Response of Starlings ( <i>Sturnus vulgaris</i> ) to Distress and Alarm Sounds R. Daniel Thompson, Brad E. Johns and C. Val Grant.....	119
<b>II. Public Health Problems</b>	
Arbovirus Surveillance in Ohio -- 1979 Update Richard L. Berry and Margaret A. Parsons.....	127

Public Health Problems: TGE P.M. Gough, J.W. Beyer, and R.D. Jorgenson .....	137
Avian Hosts of St. Louis Encephalitis Virus Robert G. McLean and Thomas W. Scott .....	143
Pigeon Associated People Diseases Walter Weber.....	156
<b>III. International Problems</b>	
Food Preferences and Damage Levels of some Avian Rice Field Pests in Malaysia Michael L. Avery.....	161
A New "Parotrap" Adapted from the MAC Trap for Capturing Live Parakeets in the Field Elsadig Awad Bashir.....	167
Summary of Methiocarb Trials against Pest Birds in Senegal Richard L. Bruggers.....	172
Diets of the Red-Billed Quelea (Quelea quelea) in the Awash River Basin of Ethiopia W.A. Erickson.....	185
Perches Coated with Glue Reduce Bird Damage in Ricefield Plots Russell F. Reidinger, Jr. and Justiniano L. Libay .....	201
<b>IV. Blackbird Research</b>	
Late-Summer Feeding Patterns of Red-Winged Blackbirds in a Sunflower- Growing Area of North Dakota Jerome F. Besser, William J. Berg and C. Edward Knittle.....	209
Blackbird and Starling Roosting Dynamics: Implications for Animal Damage Control Theodore A. Bookhout and Stephen B. White.....	215
Timing Bird Control Applications in Ripening Corn William Bridgeland .....	222
New Developments in Bird Resistant Sorghums Roger W. Bullard .....	229
Attitudes of Canadians toward the Control of Red-Winged Blackbirds Robert G. Clark, Rodger D. Titman and J. Roger Bider .....	235
An Evaluation of 4-Aminopyridine for Dispersing Winter Blackbird Roosts in Colorado John L. Cummings.....	248
Crop Protection with Xironet Thomas S. Foster .....	254
Blackbird-Starling Winter Roost Survey in Kentucky and Tennessee, 1977-78 Jon F. Heisterberg.....	256
Dispersal Patterns and Habitat Relationships of Roosting and Flocking Red-Winged Blackbirds Ronnie J. Johnson .....	259

Effects of the Roost Site on the Energetics of Blackbirds and Starlings Sheldon Lustick and Michael Kelty.....	260
Seasonal, Habitat and Sex-Specific Patterns of Food Utilization by Red- Winged Blackbirds ( <i>Agelaius phoeniceus</i> ) in Eastern Ontario and their Economic Importance Donald K. McNicol, Raleigh J. Robertson and Patrick J. Weatherhead.....	273
On the Feasibility of Surfactants as a Blackbird Management Tool in Quebec Patrick J. Weatherhead, J.R. Bider and Robert G. Clark.....	291
An Experimental Design for Investigating Winter Bird Depredation at South Texas Feedlots R.E. Williams.....	302
Primary and Secondary Losses in Corn Following Simulated Bird Damage Paul P. Woronecki, Robert A. Stehn and Richard A. Dolbeer .....	306
<b>V. Clinic on Pigeon Control</b>	
Jim Steckel, Moderator .....	319
List of Participants .....	333

## Preface

The complexities of bird management continue to amaze and frustrate its practitioners. The image of George Hockenyos concocting chemicals in his garage workshop and trying them out on the winged residents of Springfield is a phantom of the past. His present-day counterparts are few. The now existing chemical tools, few though they be, are used straight-away. All too little attention is paid to the evolution and evaluation of candidate materials or the adaptation of available materials by location or time-specific uses.

At airports, where safety is of concern, and in agricultural environments, where bird depredations can be sudden, spectacular, and disastrous, some experimental work continues. Real progress has been made in shifting birds from critical areas, but enthusiasm for behavior-modification techniques should not preclude consideration of lethal measures.

Pest bird management is international in scope. In many countries, past needs have been overshadowed by established insect and then rodent control programs. Now bird control specialists are beginning to be heard. Even so, resources are limited. The need for appropriate technology in developing countries is especially acute.

Coupled with the need for new (or adapted) technology is the critical need in all countries for applicators and researchers trained in the specifics of bird management. Pigeons are neither cockroaches, rats, nor robins; and we cannot expect attitudes or techniques developed for other species and different environments to work automatically with pest birds.

IPM makes its way to the front. Bird control specialists have always recognized the need for an integrated management program but have been frustrated by legal, logistic, and economic limitations. All too often the single element approach has been required by pragmatic necessity. The coming decade will require more from all of us in achieving the best management of birds that, because of numbers, location, or food habits, have come into conflict with our activities and thus are designated as pests.

We should be able to use the current IPM momentum to our advantage; we should not be manipulated by it. But to use IPM, we must understand it -- and more importantly we must understand the birds themselves. This is not simply done, but the researchers and practitioners participating in this seminar have demonstrated their continuing leadership and earnest work in the many facets of bird management.

## I. GENERAL SESSIONS

Moderators:

**Richard Dolbeer**  
FWS/DWRC/Sandusky

**Walter Howard**  
University of California, Davis

**Michael W. Fall**  
FWS/DWRC



