Contents

The Axia "Know Your Birds of Prey", vol. 2 - Vultures to Falcons CD-ROM gives you a rich set of different paths to learning about the birds of prey of North America. The following description is based on the order in which you will see the program icons in the Program Group: AXIA Birds of Prey.

AXIA Birds of Prey

This set of topics are based on the two-window learning environment seen in previous Axia multimedia products, and are organized in a number of levels. The overall structure is outlined below.

Multimedia Presentations
Identification
      Groups
      All Species
      Subspecies and Morphs
Natural History
      Habitats
      Prey
      Nests
      Eggs
      By Species
      Summer Habitats
      Winter Habitats
Regions

Detailed Structure

This structure is expanded upon below, to give more detail as to the items that are the subjects of each topic, and the aspects used to describe and compare each item. The topics which can be run from the main contents menus are shown as: **Topic Name**. The aspects for a topic, or group of topics, are listed on the line above the topic, in italics in parentheses. The items for the topic are stated next to the topic name as: **item type(s)**.

Multimedia Presentations
      Introduction to Birds of Prey
      Families of Birds of Prey

Identification   ITEMS
      Groups
      (*PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, Range, Flight Collage*)
            Vultures and Eagles   **species**
            Kites   **species**
            Hawks   **species**
            Caracara and Falcons   **species**

      (*PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, GraySketch, Silhouette*)
            By Group   **groups**

      (*PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, Range, Flight Collage*)
            All Species   **species**

      Subspecies and Morphs
      (*PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, GraySketch, Range*)
            Red-shouldered Hawk   **subspecies**
            Broad-winged Hawk   **morphs**
            Short-tailed Hawk   **morphs**
            Swainson's Hawk   **morphs**
            Red-tailed Hawk   **subspecies & morphs**
            Ferruginous Hawk   **morphs**

Rough-legged Hawk   **morphs**
Merlin   **subspecies**
Peregrine Falcon   **subsepcies**
Gyrfalcon   **morphs**
All Species, Subspecies and Morphs   **[sic]**

Natural History

Habitats
(*PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, GraySketch, Range*)

Arctic Tundra   **species, subspecies & morphs**
Alpine Tundra   **species, subspecies & morphs**
Mountains and Canyons   **species, subspecies & morphs**
Deserts   **species, subspecies & morphs**
Grasslands   **species, subspecies & morphs**
Shrublands   **species, subspecies & morphs**
Deciduous Forests   **species, subspecies & morphs**
Coniferous Forests   **species, subspecies & morphs**
Mixed Forests   **species, subspecies & morphs**
Wetlands (Marshes and Swamps)   **species, subspecies & morphs**
Riparian (Lakes and Rivers)   **species, subspecies & morphs**
Seacoasts   **species, subspecies & morphs**
Agricultural Lands   **species, subspecies & morphs**
Urban and Residential   **species, subspecies & morphs**

(*SummerHab, WinterHab, PerchPhoto, FlightPhoto, FlightSketch, GraySketch*)
All Habitats   **species, subspecies & morphs**

(*PreyCollage, PerchPhoto, FlightPhoto, PerchSketch, FlightSketch*)
Prey   **types of prey**

(*NestCollage, PerchPhoto, FlightPhoto, PerchSketch, FlightSketch*)
Nests   **types of nests**

(*EggPhoto, PerchPhoto, FlightPhoto, Range*)
Eggs   **species, subspecies & morphs**

By Species
(*PerchPhoto, WinterHab, SummerHab, NestCollage, PreyCollage, Behavior*)
Vultures and Eagles   **species**
Kites   **species**
Hawks   **species, subspecies & morphs**
Caracara and Falcons   **species, subspecies & morphs**
All Species   **species, subspecies & morphs**

(*SummerHab, PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, FlightCollage*)
Summer Habitats   **types of habitats**

(WinterHab, PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, FlightCollage)
Winter Habitats   **types of habitats**

Regions

(*PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, GraySketch, Range*)
Arctic   **species, subspecies & morphs**
Alaska   **species, subspecies & morphs**
Northwest Pacific   **species, subspecies & morphs**

North Central   **species, subspecies & morphs**
Northeast Atlantic   **species, subspecies & morphs**
Mid Central   **species, subspecies & morphs**
Southeast Atlantic   **species, subspecies & morphs**
South Central   **species, subspecies & morphs**
Southwest Pacific   **species, subspecies & morphs**

(*PerchPhoto, FlightPhoto, PerchSketch, FlightSketch, GraySketch*)
All Regions   **geographic regions**

How to Use Axia

These are the user manuals, which are not just on-line, but in a simple presentation mode, using Axia itself to demonstrate how Axia works. Sit back and listen: you will find this introductory time well-spent.

Guide to Hawks

This is a different approach to getting into the subject matter of the birds of prey. Visual menus of birds of prey are used, so that you can select the eagles, or the falcons. On the eagles menu, you have the four North American eagles drawn together on one page, and similarly, the buteos (soaring hawks) menu page has all thirteen buteos together. This way, you can see them as a group, and select from them using visual references.

The Visual Menus are ordered as follows:

Select Bird of Prey Group, with six images:
Vultures
Eagles
Kites
Accipiters, Osprey & Harrier
Buteos
Falcons and Caracara

Group Menus:
each of the above has a menu page, with the species drawn together:

Vultures:
Black Vulture
Turkey Vulture
Eagles:
Bald Eagle
White-tailed Eagle
Steller's Sea-Eagle
Golden Eagle
Kites:
Hook-billed Kite
American Swallow-tailed Kite
White-tailed Kite
Snail Kite
Mississippi Kite
Accipiters, Osprey & Harrier:
Sharp-shinned Hawk
Cooper's Hawk
Northern Goshawk
Osprey
Northern Harrier
Buteos:
Common Black-Hawk
Harris' Hawk
Gray Hawk
Roadside Hawk
Red-shouldered Hawk
Broad-winged Hawk
Short-tailed Hawk
Swainson's Hawk
White-tailed Hawk
Zone-tailed Hawk
Red-tailed Hawk
Ferruginous Hawk

Rough-legged Hawk
                Falcons & Caracara
                        Crested Caracara
                        American Kestrel
                        Merlin
                        Aplomado Falcon
                        Peregrine Falcon
                        Gyrfalcon
                        Prairie Falcon

        As you move the mouse pointer over an image, its name appears in the text display box. This gives you the opportunity to see if you know which bird is the Ferruginous Hawk, or if the one that you think is the Zone-tailed Hawk is indeed the Zone-tailed Hawk.

        If you select one of the species by clicking on it, you will get a simple introductory page to that species, giving a large image of the bird, a range map for the species, and identifying as well as general text on the species. Some pages have a sound button that you can activate.

        The introductory page, as well as each menu page, has a LIGHT-BULB icon. If you select it, you will get to the Axia two-window Discrimination Learning environment, and work with one of the AXIA Birds of Prey topics. For example, on both the Falcons menu page, as well as one each Falcon introductory page, clicking on the LIGHT-BULB will take you to the topic Caracara and Falcons, where you can learn the distinctions between the various species of Falcons in more depth.

        All thirty-seven species of birds of prey can be explored this way. The LIGHT-BULB on the first menu page takes you to the ByGroup topic in the Identification section of the AXIA Birds of Prey.

Hawks Glossary

This is a new Axia capability. It is essentially a multimedia dictionary, in which you can select or search a number of terms. In the Hawks Glossary, the list of terms are the features and topography of a bird of prey. Each term is pronounced when chosen; an image is shown which points to the place on the bird to which the term refers, and the definition of the term is given in a text box.

Hawk Panorama

This is a one more addition to the gamut of learning tools and approaches that Axia International Inc. has put together in this CD-ROM. All the thirty-seven species of birds of prey are arranged in their proper taxonomic relationship according to the American Ornithological Union, and represented in scale (for the average male nominate of the species), as sketched in color, from below in flight. We hope that you find it pleasing as well as educational.

Fuertes - Slide Shows

This is a doorway to a set of multimedia slide shows, the first of which are of a number of Louis Agassiz Fuertes watercolors of birds of prey, with closeups, courtesy of the US Fish and Wildlife Service, Department of the Interior.

The slide shows included in this CD-ROM are:

behav.dat   Photos of behavior; species names spoken
flight.dat   Photos of birds of prey in flight; species names spoken
fltcoll.dat   Flight collages; subspecies and maturity level spoken
fuertes.dat   The default slide show; species names spoken
gray.dat   Gray flight sketches; subspecies and maturity level spoken
habcoll.dat   Habitat collages; habitat names spoken
nestcoll.dat   Nest-type collages; nest-types spoken
perchph.dat   Photos of perched birds of prey; species names spoken
prey.dat   Prey collages; prey-types spoken
rthawk.dat   Red-tailed hawk sketches; subspecies and maturity level spoken
videos.dat   All videos in the CD-ROM together; species names spoken

The Axia Multimedia Sequencer has the following operating characteristics:

Press F1 key to obtain control panel
Press ESC key to exit
Press space-bar to pause
Press right arrow key to advance to next slide
Press left arrow key to move to previous slide
Press up or down arrow to replay the sound
Click the left mouse button to advance to next slide

The control panel gives much more capability in this version of the slide show engine that previous Axia products. Specifically, you can, using the control panel:

Choose to use a different slide show
Set the timer to advance the slides automatically
Choose random or sequenced selection of next slide
Set the current slide to any of the current set, using a slider bar

All slide shows in this CD-ROM have been constructed using the Axia learning approach of minimizing the giving of information. Thus, each slide is shown first, possibly with the call of the bird, then a 2 second pause, before the name of the image is spoken. This gives the viewer the opportunity to hypothesize the identity of the image, and to have that verified through the spoken name. Placing the slide show in random creates a test situation. Try it out on the gray flight sketches in gray.dat.

Furthermore, the structure of the slide show data files are obvious, and you can create your own slide shows. Any images from the CD-ROM can be used. You can add to them by specifying the complete path name of the image or sound file. However, the slide show engine can only be used with the CD-ROM.

US Fish & Wildlife Video

This is a public information video from the US Fish & Wildlife Service, Department of the Interior, concerning conservation. We hope that you find its message as important and interesting as we did. Axia International Inc. was very pleased to have the privilege of including this public information message in our CD-ROM.

Table Of   Contents

Double clicking this icon brings you to this document which you are now reading.

Installation Help

This help file is a guide to some of the common problems that are encountered when installing multimedia software on PC platforms.

Readme

This contains information on various system-related aspects of the CD-ROM. (List of help topics goes here.)

For Help on Help, Press F1