A black bird, possibly a frigatebird, is perched on a branch. The bird is facing right and has its beak open. The background is a dense thicket of green leaves and branches, creating a natural, outdoor setting.

*A Journal for bird breeding,
conservation, restoration and
education*

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education*

NOVEMBER/DECEMBER 2012



NEXT ISSUE

Visually stunning Computed-Tomography (CT) scans from bird carcasses and the study thereof - Jessie Atterholt, graduate student in the Department of Integrative Biology at the University of California, Berkeley.

The purposes of the Society are the study of foreign and native birds to promote their conservation and protection; the dissemination of information on the care, breeding, and feeding of birds in captivity; the education of Society members and the public through publications, meetings, and available media; and the promotion and support of programs and institutions devoted to conservation.

Front Cover: Long-wattled Umbrellabird *Cephalopterus penduliger* Photo by Frank Todd

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From my earliest memories, I've always had a fascination with birds. My avicultural interests began in the 1970's as a child. For me, going to a zoo or wildlife park was much better than a trip to Disneyland or any sporting event. I also loved tropical fish at the time so a trip to Sea World was practically nirvana for me. The aquarium displays fascinated me, but I was mesmerized by the fantastic collection of waterfowl and other birds at the park. I still vividly remember the news reports in the 1980's of the development of the Penguin Encounter at Sea World, and later, the successful hatching and rearing of an Emperor Penguin. I was in awe at the lengths Sea World went to to build this facility and bring back penguin eggs from Antarctica to establish the world's first Emperor Penguin breeding colony outside the Antarctic, but I was just as amazed at the display of Puffins, Auks and other northern hemisphere seabirds right next to the penguin enclosure. Everything was first-class and beautifully displayed and still is 30 years later. It's a testament to the passion and drive that created it.

Throughout that time, I had heard about Frank Todd, who managed the Sea World bird collection and who was the mastermind behind the epic Penguin Encounter. Antarctic explorer, aviculturist extraordinaire, author and photographer – I thought of him as some sort of mythical figure. Fast forward to about 2005, and I find myself working with the very same Frank Todd along with Jerry Jennings to create the ASA Aviculture Educational Conferences. What an unexpected privilege it is for me to actually get to work with Frank whose passion for birds and aviculture is an inspiration to me and many others. That passion is still very much alive and well.

Frank gave a talk at the 2013 ASA Conference in Long Beach, CA that became the inspiration for this issue of the Avicultural Bulletin. His talk featured a sampling of his photographs of birds he's worked with in zoological settings as well as birds he's encountered in the wild during his many travels. Frank's knowledge and passion for birds was clearly conveyed to the audience during his talk, but I also think the passion comes through with just the images alone. The photos show the incredible beauty and diversity of birds. In order to allow that message to come through as clearly as possible, we've decided to try something different and let the images do all the talking this time. I hope you will also find inspiration while enjoying Frank's photos in the following pages.

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Get the latest meeting info online at : www.asabirds.org/meetings.htm

ASA Regular Meetings are generally held the first Sunday of the Month in southern California. Everyone is welcome to attend. Check the website for updates on speakers and their topics as well as to reconfirm dates and times etc. Come as you are and bring a friend!

Introduction to Frank Todd

Jerry Jennings, Emerald Forest Bird Gardens

Frank Todd is one of the most accomplished Aviculturists of all time. Born and raised in Panama, Frank began his career on all fours scouring the rainforest floor for reptiles and amphibians. Once old enough to walk, he looked up and noticed a multitude of colorful neotropical birds flying around overhead and thus began his study of avifauna.

After graduation from Balboa High School in the Panama Canal Zone, where his family lived, he moved to Missoula, Montana to study forestry at the University of Montana, where he graduated in 1965. That same year he moved to Los Angeles where he became a Zoological Preparator at the L.A. County Museum of Natural History and shortly thereafter the Curator of Birds at the new Los Angeles Zoo. In 1972 Frank moved to Sea World of San Diego where he served as Corporate Curator of Birds for the Sea World parks in California, Ohio and Florida. From 1985 to 1988 he was Corporate Vice-president of Animal Services, Aviculture and Research at all Sea World Parks including Cypress Gardens.

During his career, Frank succeeded in breeding more species of birds for the first time in captivity than any other human being. His accomplishments stretched from several species of toucans, Great Tinamou, and the Harpy Eagle at the L.A. Zoo to numerous species of Penguins, shags, Atlantic Puffin, Light-footed Clapper Rail and many

more. While at Sea World Frank conceived, designed and built the popular Penguin Encounters and made many trips to the Antarctic to collect penguins and later penguin eggs to stock these state of the art exhibits.

Today Frank works as a polar biologist and the on board lecturer on the MS Expedition for G Adventures - a major adventure travel enterprise. He spends four of our winter months in the Antarctic and four months in our summer in the high Arctic educating adventurers on polar ecology.

Frank is considered a foremost authority on the Antarctic, penguins and waterfowl and has written and published seven books on these subjects with four more in the works. He is the recipient of numerous awards and grants, including one from the National Science Foundation to build the Penguin Encounters, so penguins could be studied up close without suffering the hardships of Antarctica.

Frank is a noted wildlife photographer whose work has appeared in numerous magazines and journals and is a prolific contributor to scientific journals and lay publications. He is a noted lecturer and has traveled the world in pursuit of his interests.

JUNGLE JEWELS

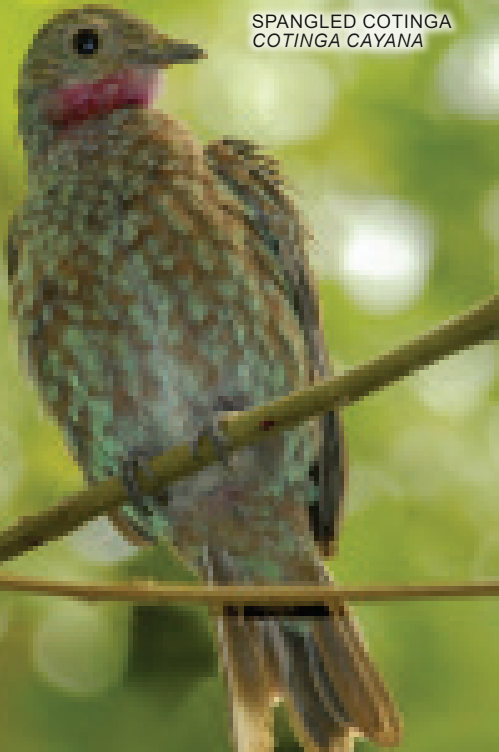
&
OTHER NEOTROPICAL
CREATURES



FRANK S. TODD

PARADISE Tanager *TANGARA CHILENSIS*

SPANGLED COTINGA
COTINGA CAYANA



ANDEAN COCK-OF-THE-ROCK
SCARLET MALE
RUPICOLA PERUVIANUS





POMPADOUR COTINGA *XIPHOLENA PUNICEA*



PURPLE-THROATED FRUITCROW *QUERULA PURPURATA*



PLUSH-CRESTED JAY
CYANOCORAX CHRYSOPS



CAPUCHINBIRD OR CALFBIRD *PERISSOCEPHALUS TRICOLOR*

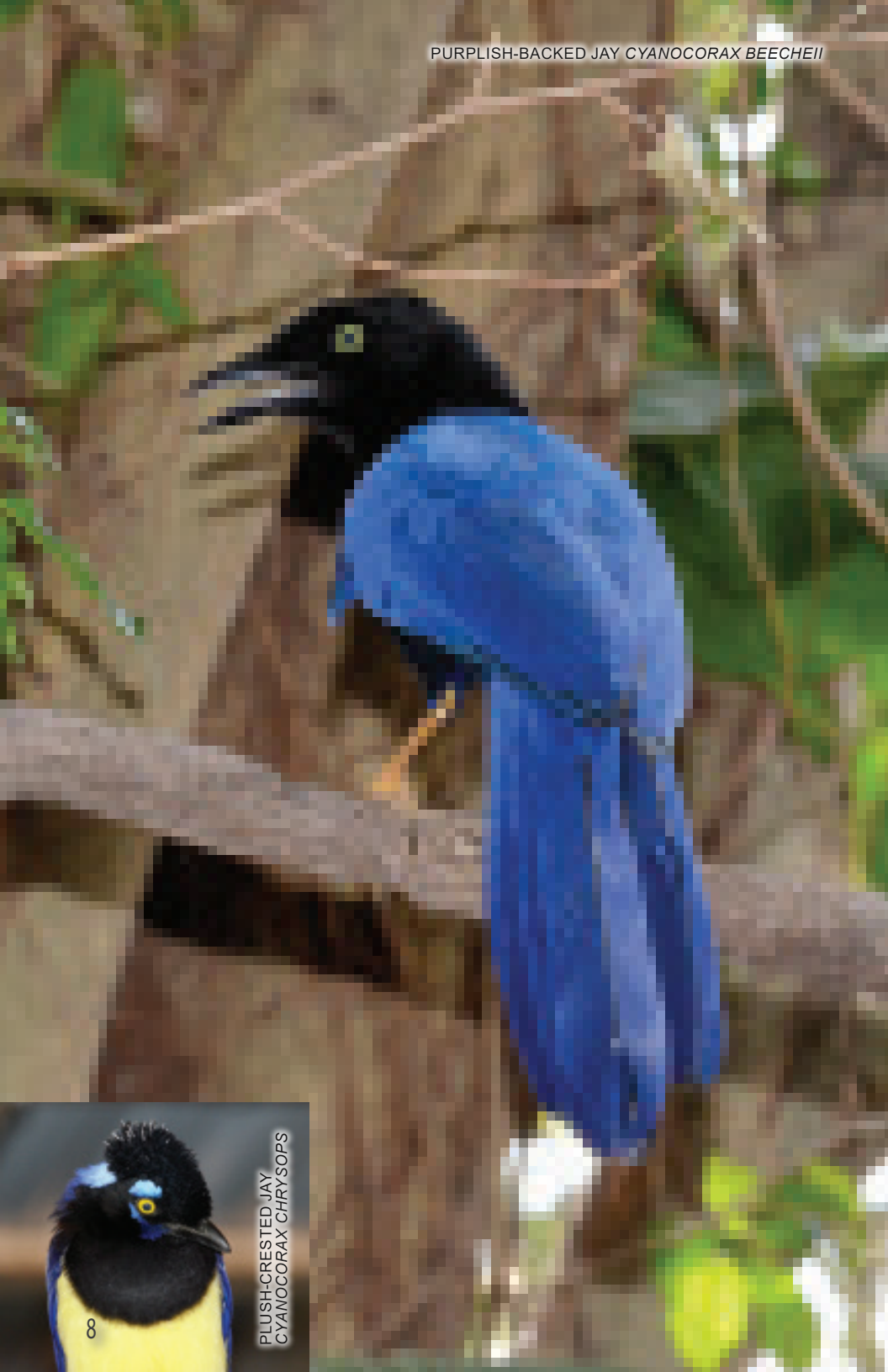


ANDEAN COCK-OF-THE-ROCK ORANGE MALE *RUPICOLA PERUVIANUS*



ANDEAN COCK-OF-THE-ROCK SCARLET MALE *RUPICOLA PERUVIANUS*





PLUSH-CRESTED JAY
CYANOCORAX CHRYSOPS

WOVEN NESTS AND INSET PHOTO OF MONTEZUMA
OROPENDOLA PSAROCOLIUS MONTEZUMA



OVENBIRD *SEIURUS AUROCAPILLA*



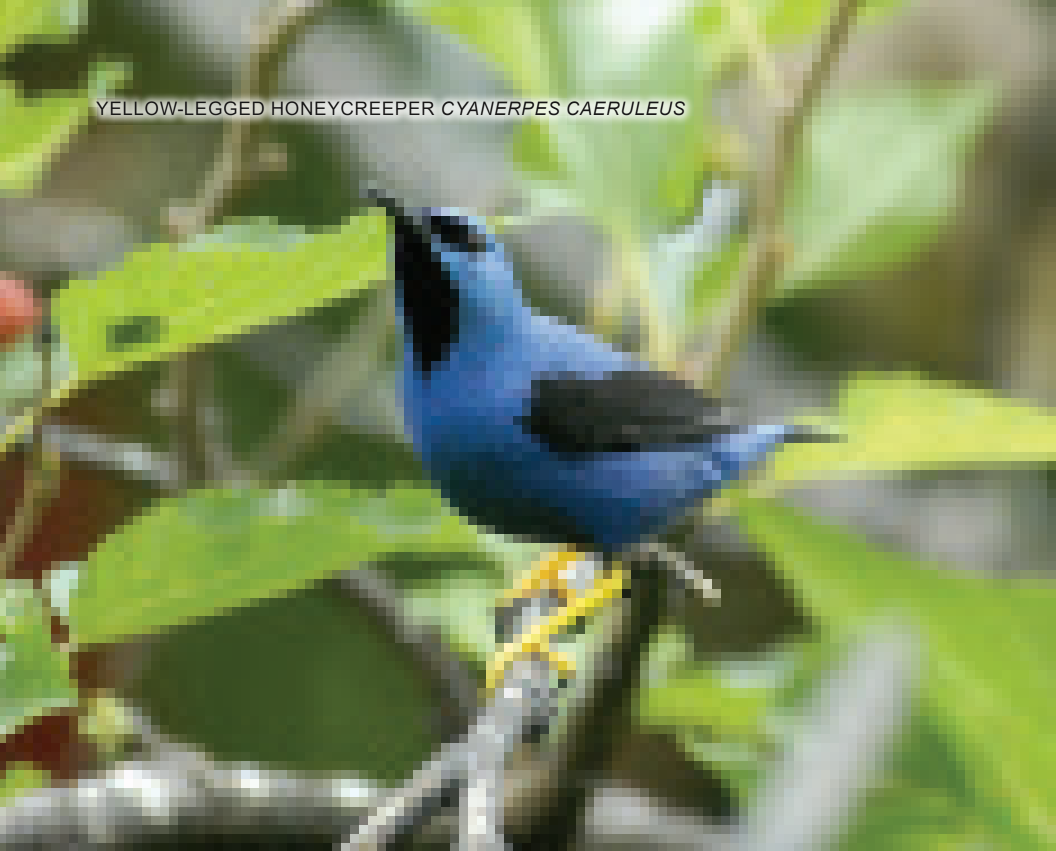
SOUTHERN YELLOW GROSBREAK PHEUCTICUS CHRYSOGASTER



YELLOW-COLLARED MANAKIN MANAKUS VITELLINUS



YELLOW-LEGGED HONEYCREEPER *CYANERPES CAERULEUS*



YELLOW-CROWNED EUPHONIA *EUPHONIA LUTEICAPILLA*



EMERALD Tanager *Tangara florida*



ORANGE-BREADED TROGON (*Harpactes oreskios*)



SLATY-TAILED TROGON (*Trogon massena*)



GREEN HONEYCREEPER *CHLOROPHANES SPIZA*



BLUE-NAPED CHLOROPHONIA *CHLOROPHONIA CYANEA*



RESPLENDENT QUETZAL *PHAROMACHRUS MOCINNO*



GOLDEN-HOODEDTANAGER
TANGARA LARVATA



WHITE-TAILED TROGON
TROGON CHIONURUS



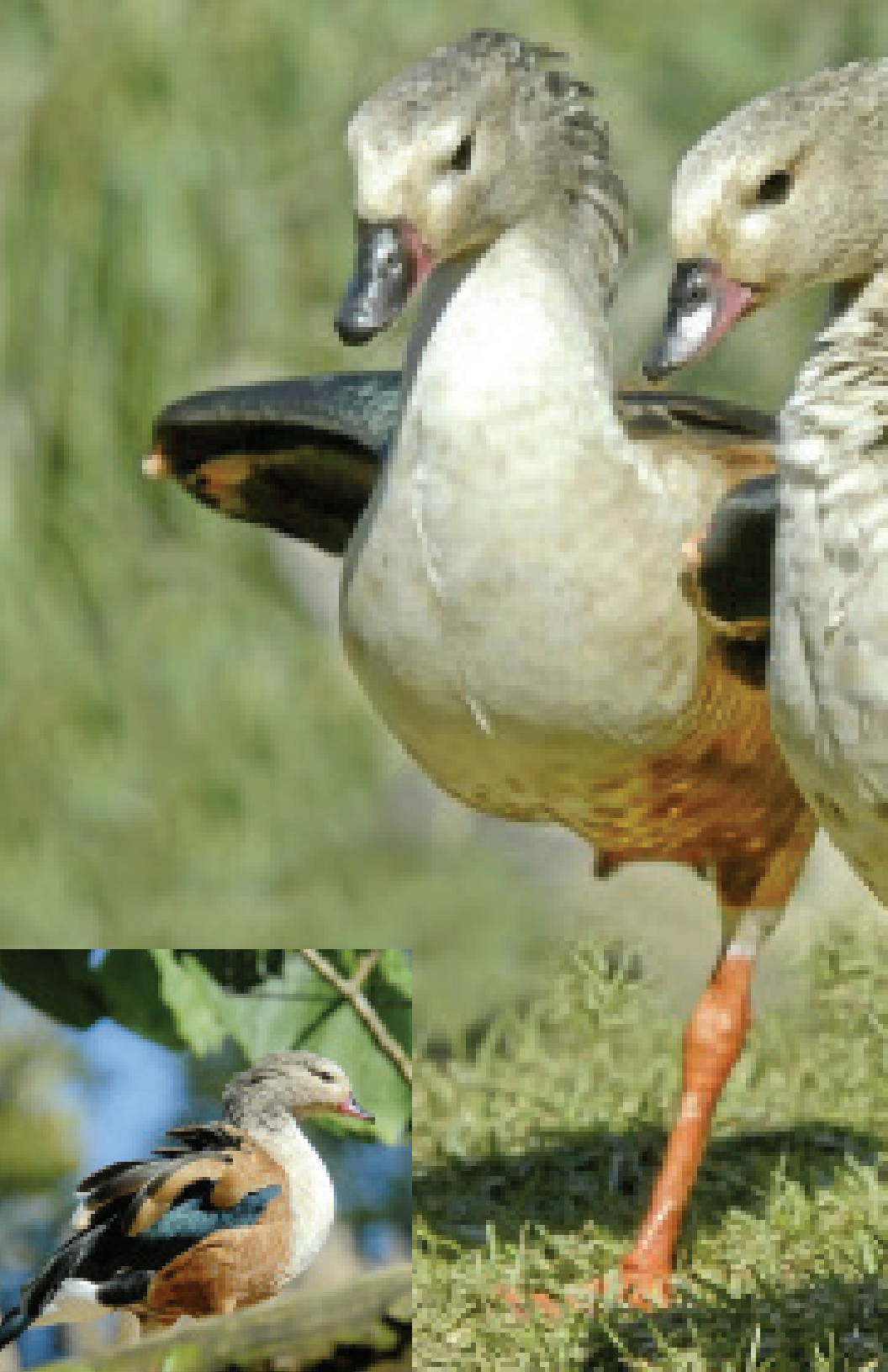
HOATZIN *OPISTHOCOMUS HOAZIN*



KEY WEST QUAIL-DOVE *GEOTRYGON
CHRYSIA*



BLUE-GREY TANAGER *THRAUPIS EPISCOPUS*







BLACK SKIMMER *RYNCHOPS NIGER*

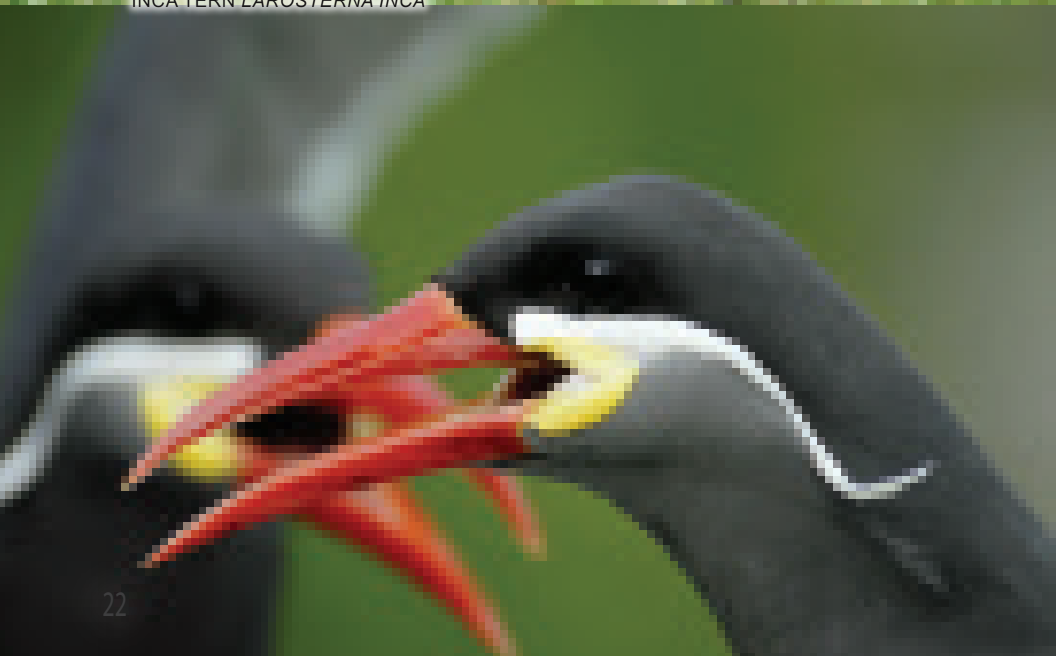


BLACK-NECKED SWAN *CYGNUS MELANCORYPHUS*





INCA TERN *LAROSTERNA INCA*





ANDEAN GOOSE GOSLINGS *CHLOEPHAGA MELANOPTERA*



ANDEAN GOOSE *CHLOEPHAGA MELANOPTERA*



BROAD-BILLED MOTMOT *ELECTRON PLATYRHYNCHUM*



RUDDY-HEADED GOOSE *CHLOEPHAGA RUBIDICEPS*



KELP GOOSE *CHLOEPHAGA*



FALKLAND STEAMER DUCK *TACHYERES BRACHYPTERUS*



CHILEAN TORRENT DUCK *MERGANETTA ARMATA*



ASHY-HEADED GOOSE *CHLOEPHAGA POLIOCEPHALA*



RINGED TEAL *CALLONETTA LEUCOPHRYS*



RINGED TEAL *CALLONETTA LEUCOPHRYS*



QUAKER PARAKEET *MYIOPSITTA MONACHUS*



PUNA TEAL *ANAS PUNA*

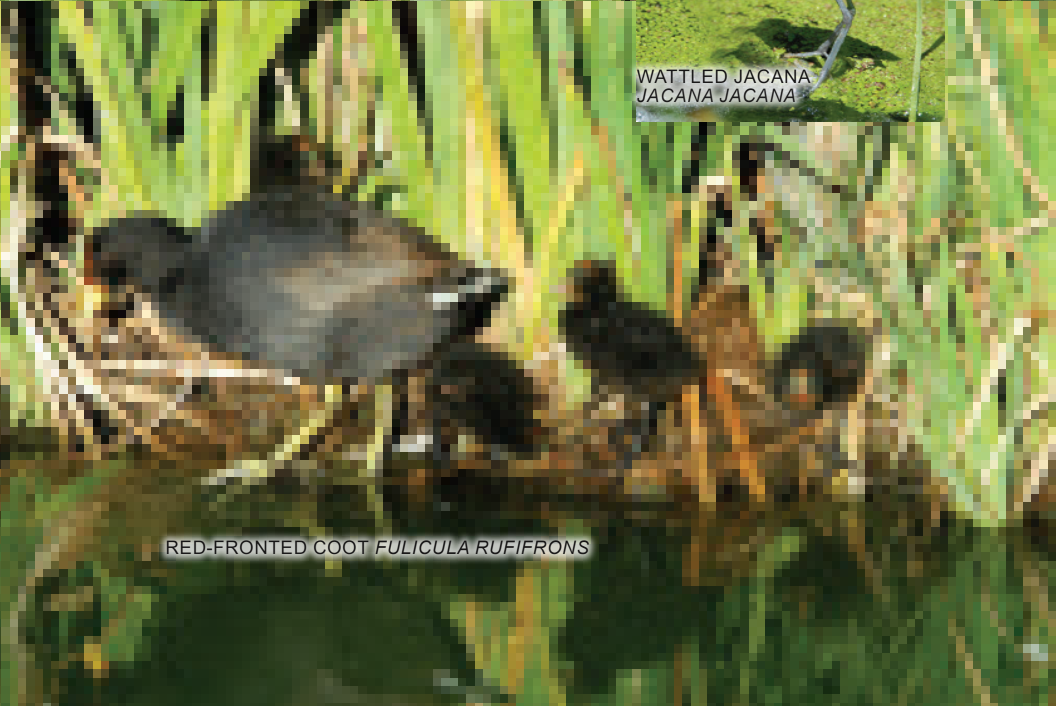


SOUTHERN LAPWING *VANELLUS CHILENSIS*

PURPLE GALLINULE *PORPHYRIO MARTINICUS*



WATTLED JACANA
JACANA JACANA



RED-FRONTED COOT *FULICULA RUFIFRONS*

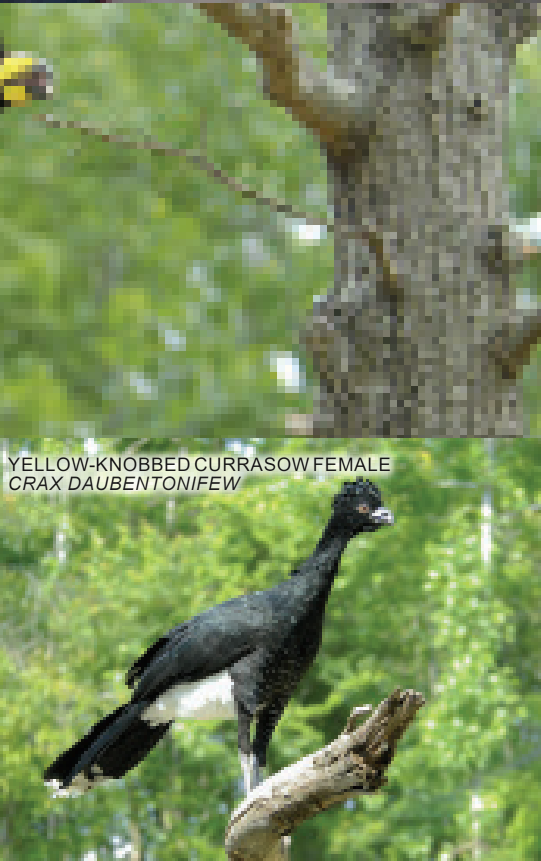
HORNED GUAN *OREOPHYSIS DERBIANUS*



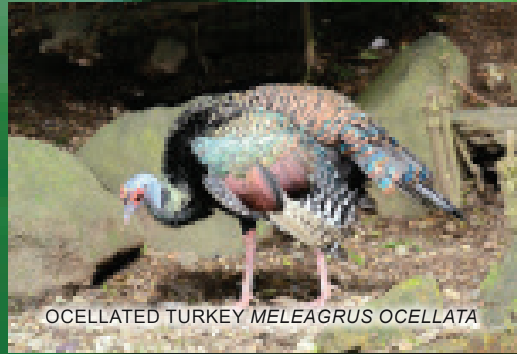
YELLOW-KNOBBED CURRASOW MALE *CRAX DAUBENTONI*



YELLOW-KNOBBED CURRASOW FEMALE
CRAX DAUBENTONIFEW



OCELLATED TURKEY *MELEAGRUS OCELLATA*



OCELLATED TURKEY *MELEAGRUS OCELLATA*

SUN BITTERN *EURYPYGA HELIAS*



CREAM-BACKED WOODPECKER
CAMPEPHILUS LEUCOPOGON





WHITE-WINGED TRUMPETER *PSOPHIA LEUCOPTERA*



BLACK-CHEEKED WOODPECKER
MELANERPES PUCHERANI



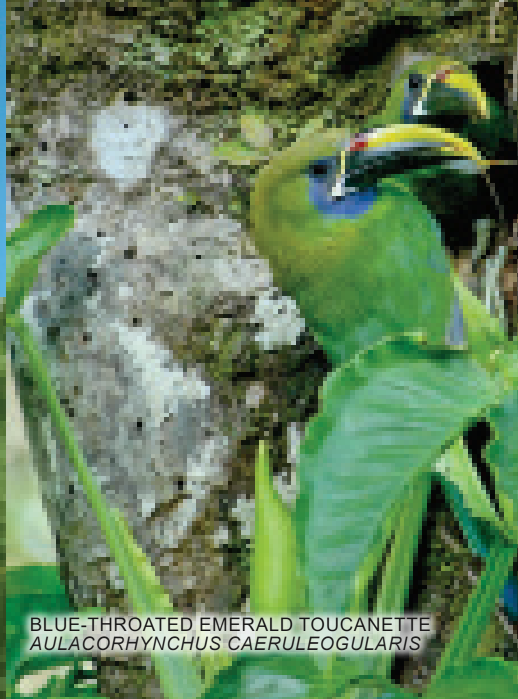
WATTLED JACANA CHICK *JACANA JACANA*



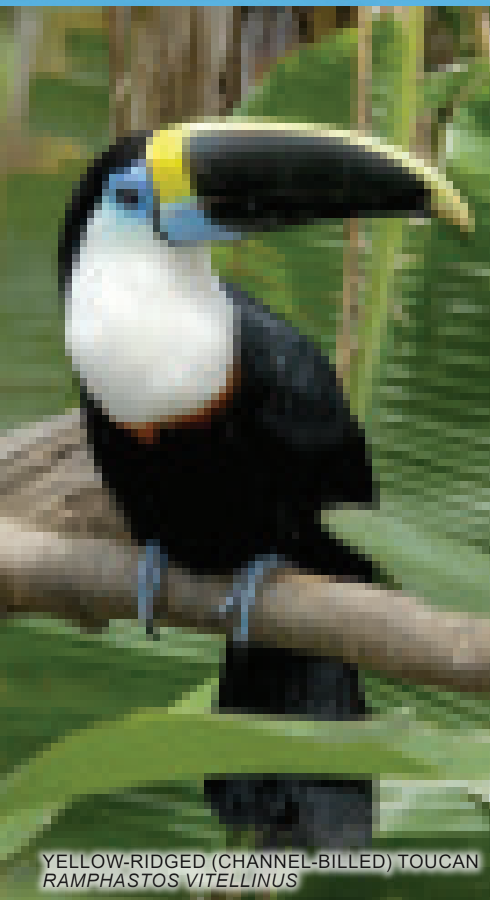
LONG-WATTLED UMBRELLABIRD *CEPHALOPTERUS
PENDULIGER*



TOCO TOUCAN *RAMPHASTOS TOCO*



BLUE-THROATED EMERALD TOUCANETTE
AULACORHYNCHUS CAERULEOGULARIS



YELLOW-RIDGED (CHANNEL-BILLED) TOUCAN
RAMPHASTOS VITELLINUS



GUIANAN TOUCANET
SELENIDERA PIPERIVORA



PLATE-BILLED MOUNTAIN TOUCAN
ANDIGENA LAMINIROSTRIS

COLLARED ARACARI *PTEROGLOSSUS TORQUATUS*



CURL-CRESTED ARACARI CHICKS
PTEROGLOSSUS BEAUHARNAESII



PALE-MANDIBLED ARACARI *PTEROGLOSSUS ERYTHROPYGIUS*





KING VULTURE CHICK *SARCORAMPHUS PAPA*



KING VULTURE
SARCORAMPHUS PAPA



KING VULTURE *SARCORAMPHUS PAPA*



ANDEAN CONDOR VULTURE *GRYPHUS*

AMERICAN KESTREL *FALCO SPARVERIUS*



NORTHERN CRESTED CARACARA
CARACARA CHERIWAY



STRIATED CARACARA *PHALCOBOENUS AUSTRALIS*





PHILIPPINE EAGLE *PITHECOPHAGA*
JEFFERYI



SPECTACLED OWL *PULSATRIX*
PERSPICILLATA



HARPY EAGLE *HARPIA HARPYJA*



GREEN-WINGED MACAW *ARA CHLOROPTERUS*



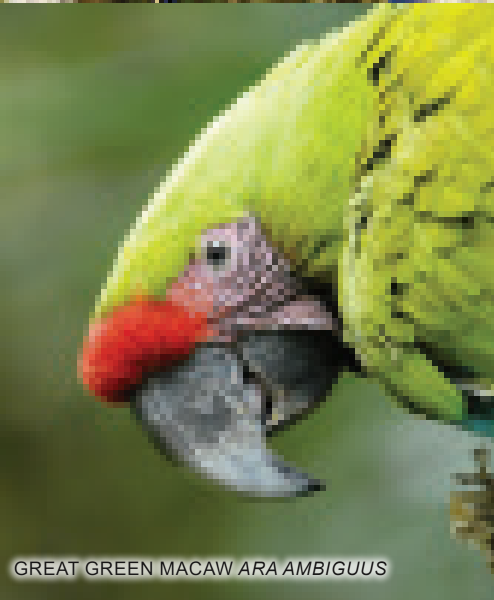
JENDAY CONURE *ARATINGA JANDAYA*



HYACINTH MACAW *ANODORHYNCHUS HYACINTHINUS*



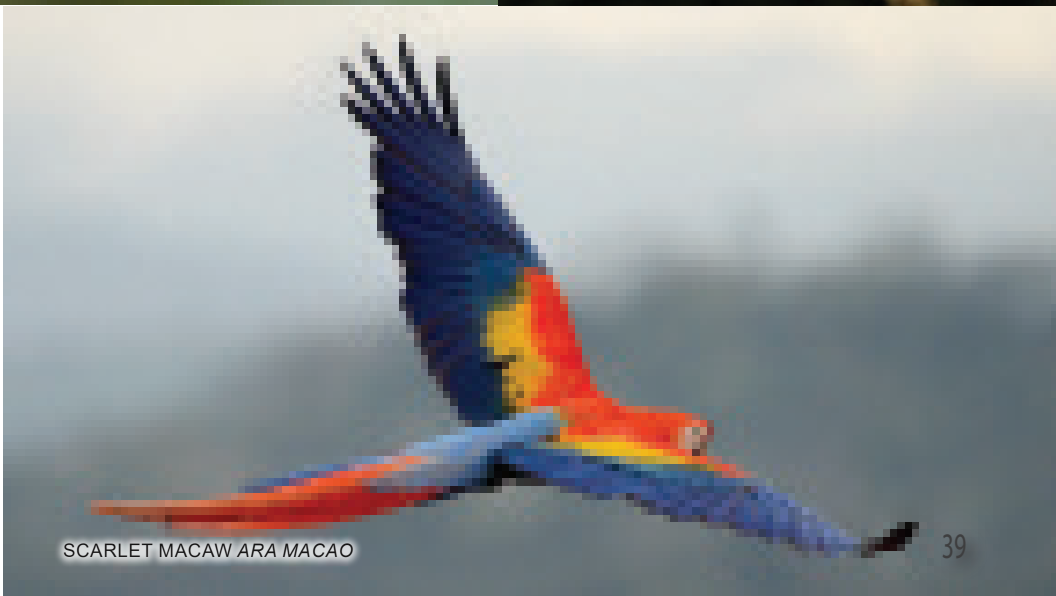
MILITARY MACAW *ARA MILITARIS*



GREAT GREEN MACAW *ARA AMBIGUUS*



WHITE-FRONTED AMAZON
AMAZONA ALBIFRONS



SCARLET MACAW *ARA MACAO*



SWORD-BILLED HUMMINGBIRD *ENSIFERA ENSIFERA*



LITTLE BLUE HERON *EGRETTA CAERULEA*



WHITE-NECKED HERON *ARDEA PACIFICA*



ROSEATE SPOONBILL *PLATALEA AJAJA*



WHITE-NECKED JACOBIN
FLORISUGA MELLIVORA

GREAT BLUE HERON *ARDEA HERODIAS*

GREAT EGRET *ARDEA ALBA*

SNOWY EGRET *EGRETTA THULA*



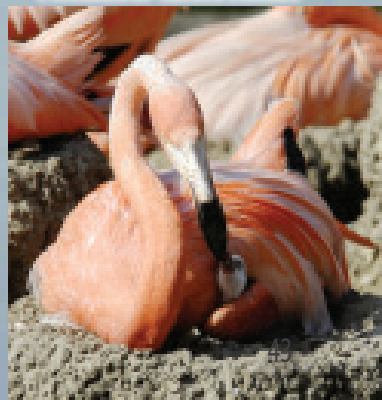
BLACK-FACED IBIS *THERISTICUS MELANOPIS*



CHILEAN FLAMINGO *PHOENICOPTERUS CHILENSIS*



AMERICAN FLAMINGO
PHOENICOPTERUS RUBER





BOAT-BILLED HERON COCHLEARIUS COCHLEARIUS



AMERICAN FLAMINGO PHOENICOPTERUS RUBER

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acadianabirdinc@hotmail.com

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LIVING WORLD

WATCH YOUR BIRD HOUSING!
CLAY-CAL IS HARB TESTED
AND HARF APPROVED!

DO OUR COMPANION BIRDS NEED A "DETOX"?

Living World Clay-Cal contains montmorillonite clay, a type of bentonite with superior cation properties. Living World Clay-Cal is especially milled for parrot and passerine consumption and is combined with charcoal as well as calcium, a necessary mineral for companion birds.

Benefits

- As an alkalizing agent, Living World Clay-Cal elevates the pH factor in the digestive system to promote good health and resist disease.
 - Living World Clay-Cal provides a calcium supplement for healthy bones and body tissue development.
 - Living World Clay-Cal is especially good for geophagic species and birds requiring more calcium in their diet.
 - Living World Clay-Cal has the capacity to absorb and adsorb toxic secondary compounds and impurities widely distributed in plant foods and in the bird's environment.
 - Examples of toxins to which companion birds are frequently exposed: tannins from wood, pesticides, bacteria & fungus found in food. Also foods manufactured from genetically modified ingredients, non-organics.
- A healthier alternative to common gravel-grit.

Who Needs Living World Clay-Cal?

- All companion pet birds or breeding birds.
- Passerines and Psittacines exposed to household toxins.
- Egg laying females benefit from the calcium in Living World Clay-Cal.



Go to our website:
www.livingworld.com
<http://www.harfb.com/living-world-clay-cal>



The product used and diluted for feeding made a difference. Control within 10 minutes and they would develop symptoms of illness in your beloved Clay-Cal bird of color.
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Mazuri.

The Exotic Animal Feeding Resource

EXOTICS RULE OUR ANIMAL KINGDOM



We know exotics rule. In the grand scheme of things, we produce more food for more exotic animals than any other company in the world.

MAZURI® BIRD DIETS:

- Natural Vitamin E and mixed tocopherols for preservation
- Complete and balanced nutrition with no artificial colors or flavors
- Color enhancers for brightly-colored plumage
- Each bag is date coded for guaranteed freshness and is produced in the United States

MAZURI® BIRD DIETS:

- Small Bird Maintenance
- Small Bird Breeder
- Parrot Maintenance
- Parrot Breeder
- ZuLife™ Soft-Bill Diet
- ZuLife™ Bird Gel

So for healthy birds and greater peace of mind, trust Mazuri® products.

Take a walk on the wild side and visit us at:

www.Mazuri.com