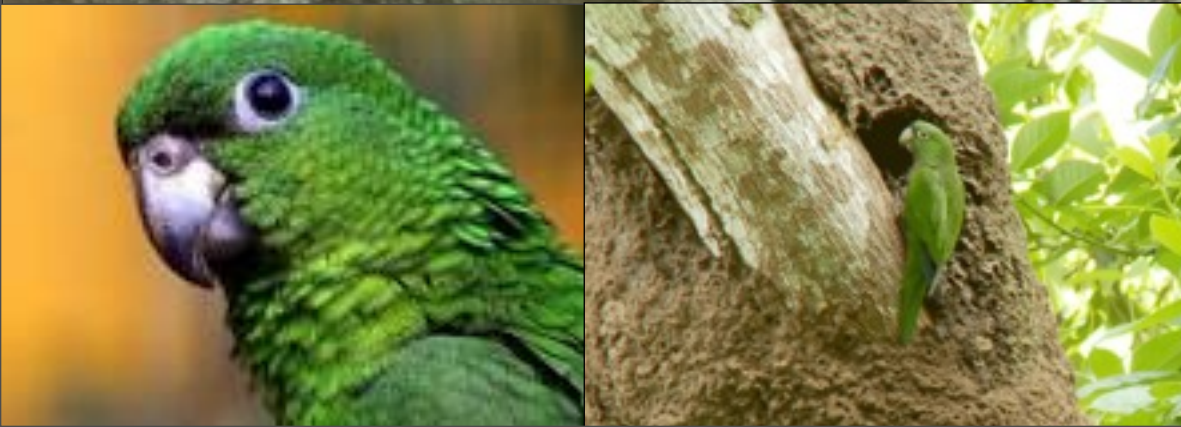


MANAGING DISEASES IN MIXED PSITTACINE COLLECTIONS

Health, Welfare & Conservation



Welcome:
Orlando Robinson

Introduction: **Status of Caribbean psittacines**
Susan Koenig, DFES

Guest Speaker:
Darrel K. Styles, DVM, PhD

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Health, Welfare & Conservation



 Globally Threatened Bird Forums

Olive-throated Parakeet is being split:
Aratinga nana = endemic to Jamaica
Aratinga astec = endemic to Mexico & Central Amer.



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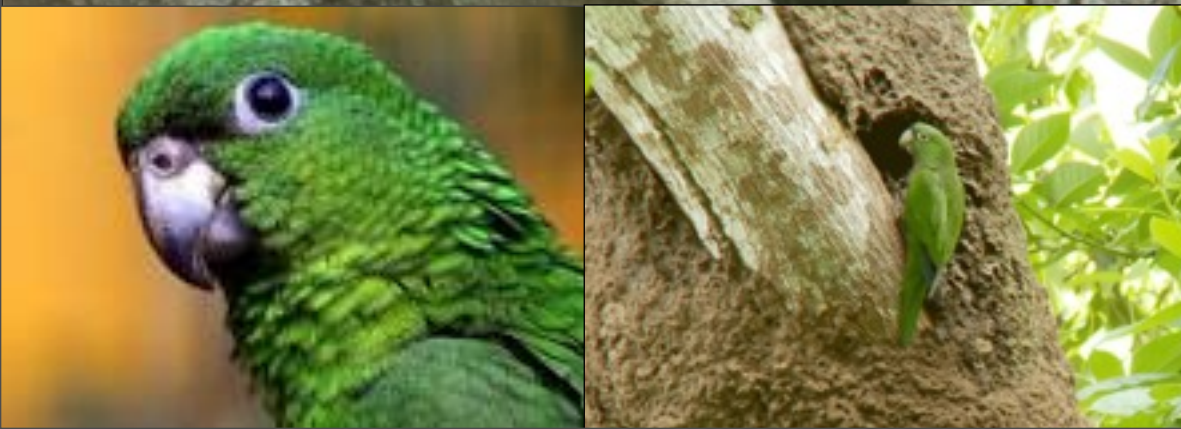
Health, Welfare & Conservation



Yellow-billed Parrot

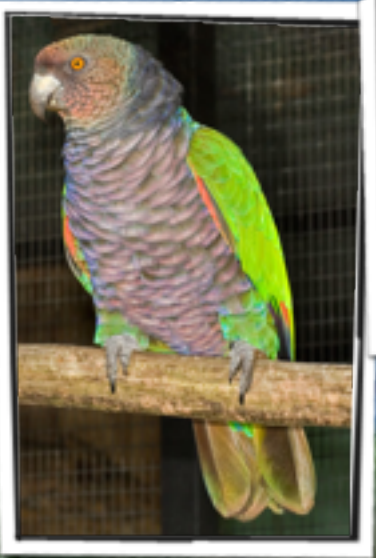
Black-billed Parrot

Olive-throated Parakeet



All Endemic!

TRUE
JAMAICA
JAMAICA



West Indian Psittacines

Island	<i>Ara macaw</i>	<i>Amazona parrot</i>	<i>Aratinga parakeet</i>
Bahamas	—	<i>leucocephala</i> (NT) undescr. sp. (EX)	—
Cuba	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (VU)
Isla de Pinos	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (EX)
Cayman Islands	—	<i>leucocephala</i> (NT)	—
Jamaica	<i>gossei</i> (EX) <i>erythrocephala</i> (EX)	<i>agilis</i> (VU) <i>collaria</i> (VU)	<i>nana</i> (rec. NT)
Hispaniola	<i>tricolor?</i> (EX)	<i>ventralis</i> (VU)	<i>c. chloroptera</i> (VU)
Puerto Rico	—	<i>v. vittata</i> (CR)	<i>chloroptera maugei</i> (EX)
Mona	—	—	<i>chloroptera maugei</i> (EX)
Culebra	—	<i>vittata gracilipes</i> (EX)	—
St. Croix	<i>autochthones</i> (EX)	—	—
Barbuda	—	cf. <i>vittata</i> (EX)	undescr. sp. (EX)
Antigua	—	cf. <i>vittata</i> (EX)	—
Montserrat	undescr. sp. (EX)	undescr. sp. (EX)	—
Guadeloupe	<i>guadeloupensis</i> (EX)	<i>violacea</i> (EX)	<i>labati</i> (EX)
Marie-Galante	cf. <i>guadeloupensis</i> (EX)	cf. <i>violacea</i> (EX)	—
Dominica	<i>atwoodi</i> (EX)	<i>imperialis</i> (EN) <i>arausica</i> (VU)	undescr. sp. (EX)
Martinique	<i>martinica.</i> sp. (EX)	<i>martinicana</i> (EX)	undescr. sp. (EX)
Barbados	—	—	undescr. sp. (EX)
St. Lucia	—	<i>versicolor</i> (VU)	—
St. Vincent	—	<i>guildingii</i> (VU)	—
Grenada	—	undescr. sp. (EX)	—
% Species Extinct	100	38	62

West Indian Psittacines

Island	<i>Ara macaw</i>	<i>Amazona parrot</i>	<i>Aratinga parakeet</i>
Bahamas	—	<i>leucocephala</i> (NT) undescr. sp. (EX)	—
Cuba	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (VU)
Isla de Pinos	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (EX)
Cayman Islands	—	<i>leucocephala</i> (NT)	—
Jamaica	<i>gossei</i> (EX) <i>erythrocephala</i> (EX)	<i>agilis</i> (VU) <i>collaria</i> (VU)	<i>nana</i> (rec. NT)
Hispaniola	<i>tricolor?</i> (EX)	<i>ventralis</i> (VU)	<i>c. chloroptera</i> (VU)
Puerto Rico	—	<i>v. vittata</i> (CR)	<i>chloroptera maugei</i> (EX)
Mona	—	—	<i>chloroptera maugei</i> (EX)
Culebra	—	<i>vittata gracilipes</i> (EX)	—
St. Croix	<i>autochthones</i> (EX)	—	—
Barbuda	—	<i>cf. vittata</i> (EX)	undescr. sp. (EX)
Antigua	—	<i>cf. vittata</i> (EX)	—
Montserrat	undescr. sp. (EX)	undescr. sp. (EX)	—
Guadeloupe	<i>guadeloupensis</i> (EX)	<i>violacea</i> (EX)	<i>labati</i> (EX)
Marie-Galante	<i>cf. guadeloupensis</i> (EX)	<i>cf. violacea</i> (EX)	—
Dominica	<i>atwoodi</i> (EX)	<i>imperialis</i> (EN) <i>arausica</i> (VU)	undescr. sp. (EX)
Martinique	<i>martinica. sp.</i> (EX)	<i>martinicana</i> (EX)	undescr. sp. (EX)
Barbados	—	—	undescr. sp. (EX)
St. Lucia	—	<i>versicolor</i> (VU)	—
St. Vincent	—	<i>guildingii</i> (VU)	—
Grenada	—	undescr. sp. (EX)	—
% Species Extinct	100	38	62

West Indian Psittacines

Island	<i>Ara macaw</i>	<i>Amazona parrot</i>	<i>Aratinga pa</i>
Bahamas	—	<i>leucocephala</i> (NT) undescr. sp. (EX)	—
Cuba	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (NT)
Isla de Pinos	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (NT)
Cayman Islands	—	<i>leucocephala</i> (NT)	—
Jamaica	<i>gossei</i> (EX) <i>erythrocephala</i> (EX) <i>tricolor?</i> (EX)	<i>agilis</i> (VU) <i>collaria</i> (VU) <i>ventralis</i> (VU) <i>v. vittata</i> (CR)	<i>nana</i> (rec)
Hispaniola	—	—	<i>c. chloroptera</i>
Puerto Rico	—	—	<i>chloroptera ma</i>
Mona	—	—	<i>chloroptera ma</i>
Culebra	—	<i>vittata gracilipes</i> (EX)	—
St. Croix	<i>autochthones</i> (EX)	—	—
Barbuda	—	<i>cf. vittata</i> (EX)	undescr. s
Antigua	—	<i>cf. vittata</i> (EX)	—
Montserrat	undescr. sp. (EX)	undescr. sp. (EX)	—
Guadeloupe	<i>guadeloupensis</i> (EX)	<i>violacea</i> (EX)	<i>labati</i> (EX)
Marie-Galante	<i>cf. guadeloupensis</i> (EX)	<i>cf. violacea</i> (EX)	—
Dominica	<i>atwoodi</i> (EX)	<i>imperialis</i> (EN) <i>arausica</i> (VU)	undescr. s
Martinique	<i>martinica. sp.</i> (EX)	<i>martinicana</i> (EX)	undescr. s
Barbados	—	—	undescr. s
St. Lucia	—	<i>versicolor</i> (VU)	—
St. Vincent	—	<i>gouldingii</i> (VU)	—
Grenada	—	undescr. sp. (EX)	—
% Species Extinct	100	38	62



Ara gossei



Ara erythrocephala

West Indian Psittacines

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Bahamas	—	<i>leucocephala</i> (NT) undescr. sp. (EX)	—
Cuba	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (VU)
Isla de Pinos	<i>tricolor</i> (EX)	<i>leucocephala</i> (NT)	<i>euops</i> (EX)
Cayman Islands	—	<i>leucocephala</i> (NT)	—
Jamaica	<i>gossei</i> (EX) <i>erythrocephala</i> (EX)	<i>agilis</i> (VU) <i>collaria</i> (VU)	<i>nana</i> (rec. NT)
Hispaniola	<i>tricolor?</i> (EX)	<i>ventralis</i> (VU)	<i>c. chloroptera</i> (VU)
Puerto Rico	—	<i>v. vittata</i> (CR)	<i>chloroptera maugei</i> (EX)
Mona	—	—	<i>chloroptera maugei</i> (EX)
Culebra	—	<i>vittata gracilipes</i> (EX)	—
St. Croix	<i>autochthones</i> (EX)	—	—
Barbuda	—	<i>cf. vittata</i> (EX)	undescr. sp. (EX)
Antigua	—	<i>cf. vittata</i> (EX)	—
Montserrat	undescr. sp. (EX)	undescr. sp. (EX)	—
Guadeloupe	<i>guadeloupensis</i> (EX)	<i>violacea</i> (EX)	<i>labati</i> (EX)
Marie-Galante	<i>cf. guadeloupensis</i> (EX)	<i>cf. violacea</i> (EX)	—
Dominica	<i>atwoodi</i> (EX)	<i>imperialis</i> (EN) <i>arausica</i> (VU)	undescr. sp. (EX)
Martinique	<i>martinica. sp.</i> (EX)	<i>martinicana</i> (EX)	undescr. sp. (EX)
Barbados	—	—	undescr. sp. (EX)
St. Lucia	—	<i>versicolor</i> (VU)	—
St. Vincent	—	<i>guildingii</i> (VU)	—
Grenada	—	undescr. sp. (EX)	—
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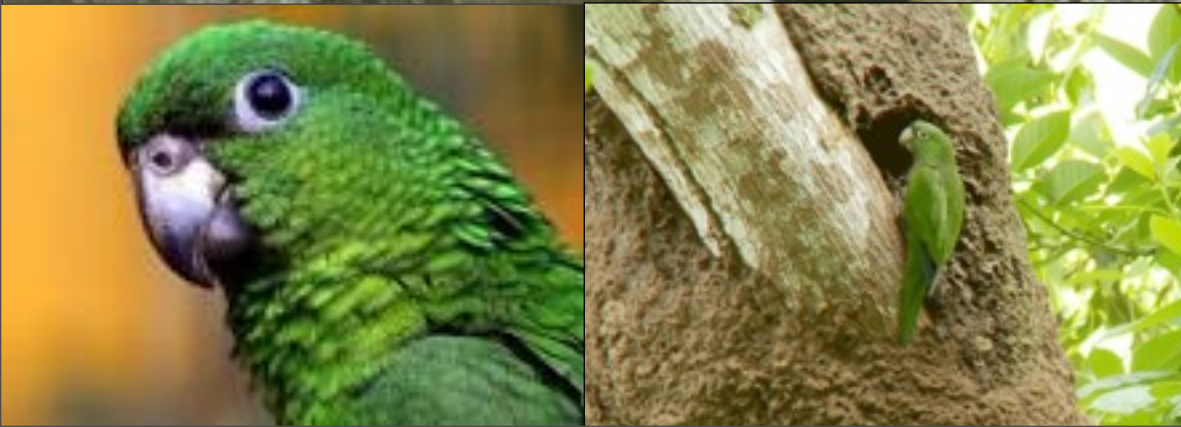
THREATS TO PSITTACINES

- Habitat loss
- Poaching
- Alien species:
 - ✦ Competition
 - ✦ Hybridize
 - ✦ Disease



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