

LONGEVITY OF WILD BIRDS OBTAINED DURING A BANDING PROGRAM IN SÃO PAULO, BRASIL

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Since 1961, a study on the epidemiology of arbovirus has been undertaken in forested areas of the State of São Paulo, Brasil, by the "Secão de Vírus Transmitidos por Artrópodos of the Instituto Adolfo Lutz." To carry on this program several permanent field stations were established to collect field samples. The first is Casa Grande (23°40'S, 45°55'W), located in a mountain range called "Serra do Mar," which borders the Atlantic Ocean. The region has an altitude of about 800 m and is covered by an extensive humid primary forest. The second field station is Rio Guaratuba (23°45'S, 45°55'W), located immediately under Casa Grande but at sea level and near a river of the same name. The mountains form a kind of a sharp wall and the forest that covers Casa Grande spreads over Rio Guaratuba with continuity. The third, Itapeitinga (23°40'S, 48°05'W), is located in the interior of São Paulo State, in the beginning of the Brazilian central plateau. The region is formed by natural fields where rivers and creeks are surrounded by gallery forests which act as a concentration place for the local fauna.

In these field stations we collected birds, mammals, mosquitoes, and exposed sentinel animals throughout the year. Birds were netted using mist nets (NEBBA type A with 36-mm mesh). From 1966 to December 1977, 12,738 birds were banded. The birds were bled by cardiac or jugular puncture, after which they were identified, banded and released.

The ornithological data will be presented elsewhere and this report details the longevity data found by us (Tables 1, 2, 3). We present only the recaptures obtained at least two years after the initial capture. The scientific and common names used by us follow R. M. De Schauensee (*The Species of Birds of South America and Their Distribution*. 1966. Philadelphia, Acad. Nat. Sci. Phil.).

Secão de Vírus Transmitidos por Artrópodos, Instituto Adolfo Lutz, Caixa Postal 7027, São Paulo, Brasil. Received 22 October 1979, accepted 24 January 1980.

TABLE I.
Longevity records obtained at Casa Grande field station 1966-1978.

Common and scientific name	Sex ¹	Date of capture	Date of last recapture	Number of recaptures	Longevity record ²
Olivaceous Woodcreeper <i>Sittasomus griseicapillus</i>	U	07-17-69	09-29-71	2	2- 2-12
Lesser Woodcreeper <i>Lepidocolaptes fuscus</i>	U	09-20-67	01-13-72	19	4- 3-23
White-browed Foliage-gleaner <i>Anabacerthia amaurotis</i>	U	07-17-69	08-09-72	2	3- 0-22
White-eyed Foliage-gleaner <i>Automolus leucophthalmus</i>	U	09-18-68	01-07-71	1	2- 3-21
Plain Xenops <i>Xenops minutus</i>	U	09-27-73	05-26-77	3	3- 8-29
Rufous-breasted Leafscraper <i>Sclerurus scansor</i>	U	09-13-73	05-28-78	9	4- 9-15
Star-throated Antwren <i>Myrmotherula gularis</i>	M	05-17-73	05-01-78	4	5- 0-14
White-shouldered Fire-eye <i>Pyriglena leucoptera</i>	F	07-27-67	12-17-70	1	3- 4-20
Short-tailed Anthrush <i>Chamaeza campanisoma</i>	U	02-16-73	08-08-77	5	4- 5-22
Variegated Antpitta <i>Grallaria varia</i>	U	10-18-73	03-09-78	4	4- 6-21
Rufous Gnateater <i>Conopophaga lineata</i>	M	11-08-73	08-04-77	1	3- 8-26
Gray-throated Attila <i>Attila rufus</i>	U	01-31-74	03-08-78	3	4- 1- 7
Swallow-tailed Manakin <i>Chiroxiphia caudata</i>	F	04-03-68	06-10-71	2	3- 2- 7
Wied's Tyrant-Manakin <i>Neopelma aurifrons</i>	U	09-19-68	11-22-72	8	4- 2- 3
<i>Neopelma aurifrons</i>	U	09-13-73	08-04-77	2	3-10-21
Greenish Manakin <i>Schiffornis virescens</i>	U	05-01-67	10-14-70	8	3- 5-13
White-throated Spadebill <i>Platyrinchus mystaceus</i>	U	02-04-68	09-30-70	6	2- 8-26
<i>Platyrinchus mystaceus</i>	U	08-21-68	08-10-72	3	3-11-19
Gray-hooded Flycatcher <i>Pipromorpha rufiventris</i>	U	08-14-69	11-08-72	6	3- 2-24
White-necked Thrush <i>Turdus albicollis</i>	U	08-01-73	07-14-77	3	3-11-13
<i>Turdus albicollis</i>	U	09-09-73	06-06-78	4	4- 8-27

¹ U—unknown; M—male; F—female.

² Time elapsed between capture and last recapture, in years-months-days.

TABLE 2.
Longevity records obtained at Guaratuba field station 1966-1978.

Common and scientific names	Sex ¹	Date of capture	Date of last recapture	Number of recaptures	Longevity record ²
Crescent-chested Puffbird <i>Malacoptila striata</i>	U	04-17-72	07-29-75	1	3- 3-12
Ochre-collared Piculet <i>Picumnus temminckii</i>	M	02-23-71	10-08-73	4	2- 7-15
<i>Picumnus temminckii</i>	M	12-05-72	01-21-75	2	2- 1-16
Plain-brown Woodcreeper <i>Dendrocincla fuliginosa</i>	U	03-05-69	11-21-73	3	4- 8-16
<i>Dendrocincla fuliginosa</i>	U	04-30-69	10-24-72	3	3- 5-24
<i>Dendrocincla fuliginosa</i>	U	06-12-70	08-27-73	1	3- 2-15
<i>Dendrocincla fuliginosa</i>	U	07-09-72	08-23-74	6	2- 1-14
<i>Dendrocincla fuliginosa</i>	U	07-09-72	08-30-75	3	3- 1-21
White-eyed Foliage-gleaner <i>Automolus leucophthalmus</i>	U	04-19-70	07-09-72	2	2- 2-20
Scaled Antbird <i>Drymophila squamata</i>	M	04-22-70	10-14-76	3	6- 5-12
Crested Becard <i>Platypsaris rufus</i>	M	10-10-71	10-17-73	1	2- 0- 7
Swallow-tailed Manakin <i>Chiroxiphia caudata</i>	M	08-27-69	12-03-72	4	3- 3- 6
White-bearded Manakin <i>Manacus manacus</i>	F	01-27-69	11-26-73	12	6- 9-29
Bran-colored Flycatcher <i>Myiophobus fasciatus</i>	U	10-22-69	11-11-74	3	5- 0-19
Planalto Tyrannulet <i>Phyllomyias fasciatus</i>	U	05-01-69	08-26-73	2	4- 3-25
Gray-hooded Flycatcher <i>Pipromorpha rufiventris</i>	U	01-25-71	01-14-74	1	2-11-19
Long-billed Wren <i>Thryothorus longirostris</i>	U	04-12-69	12-16-74	3	5- 8- 4
Rufous-bellied Thrush <i>Turdus rufiventris</i>	U	10-24-69	07-27-73	2	3- 9- 3
<i>Turdus rufiventris</i>	U	07-10-72	01-13-75	2	2- 6- 3
White-necked Thrush <i>Turdus albicollis</i>	U	10-20-69	02-25-73	4	3- 4- 5
<i>Turdus albicollis</i>	U	10-21-72	07-27-75	3	2- 9- 6
Bananaquit <i>Coereba flaveola</i>	U	05-01-69	01-13-74	1	4- 8-12
Violaceous Euphonia <i>Tanagra violacea</i>	F	10-23-69	02-03-72	1	2- 3-10

TABLE 2.
Continued.

Common and scientific names	Sex ¹	Date of capture	Date of last recapture	Number of recaptures	Longevity record ²
Ruby-crowned Tanager					
<i>Tachyphonus coronatus</i>	F	04-12-69	02-04-72	13	2- 9-22
<i>Tachyphonus coronatus</i>	F	04-28-69	07-09-72	5	3- 2-11
<i>Tachyphonus coronatus</i>	F	08-28-69	02-23-75	1	5- 5-25
<i>Tachyphonus coronatus</i>	M	08-26-73	04-25-77	2	3- 7-29
Flame-crested Tanager					
<i>Tachyphonus cristatus</i>	F	07-02-73	08-23-78	2	5- 1-21

¹ U—unknown; M—male; F—female.² Time elapsed between capture and last recapture, in years-months-days.TABLE 3.
Longevity records obtained at Itapetininga field station 1966–1978.

Common and scientific names	Sex ¹	Date of capture	Date of last recapture	Number of recaptures	Longevity record ²
Red-billed Scythebill					
<i>Campylorhamphus trochilirostris</i>	U	09-08-70	04-05-77	3	6- 6-27
<i>Campylorhamphus trochilirostris</i>	U	09-22-71	05-05-77	3	5- 7-13
Planalto Woodcreeper					
<i>Dendrocolaptes platyrostris</i>	U	09-22-71	10-10-77	4	6- 0-18
Rufous Hornero					
<i>Furnarius rufus</i>	U	08-10-69	04-20-77	3	7- 8-10
Variable Antshrike					
<i>Thamnophilus caerulescens</i>	M	05-06-68	12-11-73	5	5- 7- 5
<i>Thamnophilus caerulescens</i>	F	08-05-68	10-02-74	3	6- 1-27
<i>Thamnophilus caerulescens</i>	U	09-02-70	11-06-74	1	4- 2- 4
Rufous Gnateater					
<i>Conopophaga lineata</i>	F	03-24-71	10-02-74	3	3- 6- 8
<i>Conopophaga lineata</i>	M	12-29-70	08-14-74	4	3- 7-15
Swallow-tailed Manakin					
<i>Chiroxiphia caudata</i>	F	09-22-70	04-30-74	4	3- 7- 8
<i>Chiroxiphia caudata</i>	M	09-22-70	09-05-74	2	3-11-13
<i>Chiroxiphia caudata</i>	M	04-04-71	09-05-74	1	3- 5- 1
<i>Chiroxiphia caudata</i>	M	09-09-69	08-07-73	4	3-10-28
Great Kiskadee					
<i>Pitangus sulphuratus</i>	U	12-22-66	09-16-75	3	8- 8-24

TABLE 3.
Continued.

Common and scientific names	Sex ¹	Date of capture	Date of last recapture	Number of recaptures	Longevity record ²
Euler's Flycatcher					
<i>Empidonax euleri</i>	U	12-07-68	09-03-74	1	5- 8-26
<i>Empidonax euleri</i>	U	12-09-69	02-06-74	4	4- 1-27
Bran-colored Flycatcher					
<i>Myiophobus fasciatus</i>	U	02-22-69	01-17-73	3	3-10-25
<i>Myiophobus fasciatus</i>	U	10-21-70	09-03-74	1	3-10-12
Elaenia					
<i>Elaenia</i> sp.	U	01-19-71	05-05-77	5	6- 3-16
<i>Elaenia</i> sp.	U	04-12-72	05-03-77	1	5- 0-21
Rufous-bellied Thrush					
<i>Turdus rufiventris</i>	U	04-23-69	05-04-77	1	8- 0-11
<i>Turdus rufiventris</i>	U	08-11-70	08-14-74	2	4- 0- 3
Creamy-bellied Thrush					
<i>Turdus amaurochalinus</i>	U	11-09-68	11-23-71	2	3- 0-14
<i>Turdus amaurochalinus</i>	U	11-24-68	12-12-73	1	5- 0-18
White-necked Thrush					
<i>Turdus albicollis</i>	U	05-27-69	08-11-77	4	8- 2-14
<i>Turdus albicollis</i>	U	03-24-71	05-25-77	1	6- 2- 1
<i>Turdus albicollis</i>	U	10-08-69	09-18-74	7	4-11-10
White-bellied Warbler					
<i>Basileuterus hypoleucus</i>	U	05-01-68	09-05-73	2	5- 4- 4
Sayaca Tanager					
<i>Thraupis sayaca</i>	U	11-09-68	01-02-73	6	4- 1-23
<i>Thraupis sayaca</i>	U	12-30-70	10-19-77	4	6- 9-19
Ruby-crowned Tanager					
<i>Tachyphonus coronatus</i>	M	10-07-69	09-04-73	1	3-10-27
<i>Tachyphonus coronatus</i>	M	05-19-70	05-01-74	11	3-11-12
Green-winged Saltator					
<i>Saltator similis</i>	U	02-06-68	05-05-73	1	5- 2-29
Double-collared Seedeater					
<i>Sporophila caerulescens</i>	F	12-20-67	01-02-73	1	5- 0-12
Rufous-collared Sparrow					
<i>Zonotrichia capensis</i>	U	10-11-67	05-22-72	4	4- 7-11

¹ U—unknown; M—male; F—female.² Time elapsed between capture and last recapture, in years-months-days.