

Appendix 1. Occurrence history of Rose-throated Becard at the northern edge of its range in southeastern Texas and southeastern Arizona, 1970–2012^a.

Year	Texas					Arizona					Source ^e
	No.	Age/Sex ^b	Date ^c	Location ^d	Comment	No.	Age/Sex	Date	Location	Comment	
1970	–	Note: Under-reported in both regions at main nesting sites				1	U/U	9/12	Sonoita Cr, SC	Last seen	AB 25(1):89
1971	–					1	U/U	5/22	Sonoita Cr, SC	First and late	AB 25(4):782
1972	2	Ad/M-F	6/14-28	Anzalduas, HI	Nested & returned	2+	U/U	5/26	Sonoita Cr, SC	“numerous”	AB 26(4):793; TBRC 1992
	Note: Pair nested in 1972 and returned there summer 1973 and 15 Jun-5 Jul 1974.										
						1	U/U	6/2-8	Sycamore Cyn, SC	First at site	AB 32(6):1195
	2 prs	Ad/M-F	6/14	Anzalduas, HI	Fledglings 7/05	–					AB 26(5):877
	1	U/F	10/08	Zapata, ZA	Rarely seen here	1	U/M	10/28	Sonoita Cr, SC		AB 27(1):84, 99
1973	1	U/M	3/03	Anzalduas, HI		–					AB 27(4):794
	–					9 prs	A/M-F	6/early	Sonoita Cr, SC	8 nests found	AB 27(5):904
	1	U/U	11/16	Santa Ana, HI		–					AB 28(1):77
1974	1	U/U	3/early	Santa Ana, HI							AB 28(4):824
1975	2	A/M-F	5/22	Santa Ana, HI	Nest successful , 3 yng	–					AB 29(5):1003;
	2	A/M-F	6/?	Santa Ana, HI	Also returned in summer 1976 (see below).						TBRC 1992
1976	1	U/U	3/29	Santa Ana, HI		+	A/U	Spring	Sonoita Cr, SC	Low numbers; sycamores set back by weather	AB 30(4):864, 873
	2	A/M-F	6/04	Santa Ana, HI	Nest 2 eggs blown down;	–					
	1	Ad/F	6/08	Santa Ana, HI	F building again, M gone						
1977	1	A/F	6/17	Santa Ana, HI	Built 4 nests, no mate	1	U/U	6/12	Sycamore Cyn, SC		AB 32(6):1195
1978	–					2 prs	A/M-F	6/17-18	Sycamore Cyn, SC	First nests	AB 32(6):1195

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Year	Texas					Arizona					Source	
	No.	Age/Sex	Date	Location	Comment	No.	Age/Sex	Date	Location	Comment		
1979	–					3	A/M-F,U	5/19	Sycamore Cyn, SC	Nesting	AB 33(5):797	
											Note: Santa Ana NWR, Texas -- Nest built in an ash tree for nine consecutive years previously, but not this summer (1979). [Note: Female becard reported on 9 June in upper Guadalupe Canyon for first documented sighting in New Mexico.]	AB 33(6):879 AB 33(6):888
						1	U/F	7/06	Aravaipa Cr, GR	Vagrant	AB 33(6):888	
1980	–					–						
1981	–					1	U/U	9/27	Guadalupe Cyn, CO		AB 36(2):204	
1982	2	A/M-F	Oct-Jan	Bentsen SP, HI	Late Oct '82-mid-Jan '83	–					AB 37(3):318; TBRC 1988	
											[Note: Female becard described but not photographed in Big Bend NP, Texas, on 7 Feb, where listed as “hypothetical.”	AB 36(3):308]
	–					+	“Family”	Jul	Guadalupe Cyn, CO	Casual	AB 36(6):1005	
1983	–					1 or 2	U/U	12/18	Patagonia, SC	1st winter rept	AB 38(3):345	
1984	–					–						
1985	–					1	U/U	6/01	Madera Cyn, PI	Unusual location	AB 39(5):948	
						7 prs	A/M-F	6/24	Arivaca, PI	7 occupied nests	AB 39(5):948	
	1	U/F	11/28-12/06	Bentsen, HI		–					AB 40(2):301	
1986	2	U/U	12/20-31	Santa Ana, HI		1	A/U	12/23	Arivaca, PI	2nd winter rept	AB 41(2):302, 313	
1987	1	Im/M	12/28-29	Santa Ana, HI		–					AB 42(2):290; TBRC 1988	
	1	U/U	Dec-Jan	Salineño, ST	Early Dec '87-28 Jan '88	–					AB 42(2):290; TBRC 1988	
											Note: The Salineño bird, a female, only documented 20-29 Jan, but perhaps present from Dec 1987 to Feb 1988.	

Appendix 1. Continued

Year	Texas					Arizona					Source	
	No.	Age/Sex	Date	Location	Comment	No.	Age/Sex	Date	Location	Comment		
1987	–										Note: JSG observed male at Patagonia Rest Stop on 16 May 1987 when regular here; regional editors not reporting	JSG pers. obs.
1988	1	U/F?	12/26-Feb	Bentsen SP, HI	“Female plumaged”	–						AB 43(2):338; AB 43(3):508; TBRC 1989
												Note: The Bentsen bird was seen through at least 30 Mar 1989 Note 2: TBRC documented presence from 13 Dec 1988-30 Mar 1989
	1	U/M	12/24	“Hidalgo [Co.]”		–						TBRC 1989
1989	–					1	A/M	6/02	San Pedro R, CO	First for river		AB 43(5):1351
	1	U/F	9/14-12/?	Bentsen SP, HI		–						AB 44(1):124
	1	U/U	n.d.	Anzalduas, HI	“Between” Dec-Feb ‘90	–						AB 44(2):293
	1	U/U	n.d.	Santa Ana, HI	“Between” Dec-Feb ‘90	–						AB 44(2):293
	1+	U/U	n.d.	Bentsen SP, HI	“Between” Dec-Feb ‘90	–						AB 44(2):293; AB 44(3):462
												Note: At least one still present at Bentsen through 3 Mar 1990
	1-2	U/U	n.d.	“Hidalgo [Co.]”	“Between 14 Sep 1989 & 3 Mar 1990”							TBRC 1991
1990	1	U/U	1/15-2/09	“Hidalgo [Co.]”		–						TBRC 1991
	1	U/F	2/18	“Hidalgo [Co.]”		–						TBRC 1991
												[Note: A vagrant reviewed and accepted by TBRC, near Rockport, Aransas Co., Texas.]
1991	–					–						TBRC 2001
1992	1	Im/M	1/20	“Kenedy [Co.]”	“not quite adult”	–						AB 46(2):289; TBRC 1993
												Note: A very rare wandering individual away from the lower Rio Grande Valley
1993	1	U/F	1/02-3/18	Santa Ana, HI	Present “sporadically”	–						AB 47(2):276; TBRC 1994
1994	1	U/U	12/1-7	Santa Ana, HI	“undocumented”	–						FN 49(2):168

Appendix 1. Continued

Year	Texas					Arizona					Source
	No.	Age/Sex	Date	Location	Comment	No.	Age/Sex	Date	Location	Comment	
1995	–					–					
1996	1	U/F	2/18-3/14	Santa Ana, HI		–					FN 50(2):192; (3):303
1997	1	A/M	7/30-10/03	Santa Ana, HI	First in summer since 1976						FN 51(3):1022; (1):90; TBRC 1998
1998	–					2	A/M-F	5/31	Sonoita Cr, SC	Again present	FN 52(3):367
1999	2	A/M-F	4/24-8/30	Anzalduas, HI	First nest >20 yrs in TX	–					NAB 53(3):301; TBRC 1999; NAB 53(4):410; NAB 54(1):75
											Note: Anzalduas pair abandoned two nesting attempts Jun & Jul; nest-building again 24 Jul. Note 2: Anzalduas pair seen sporadically until 14 Nov at least.
	1	U/U	5/27	Laguna Atascosa, CA	First here	–					TBRC 2001
2000	1	U/M	1/27-29	Los Fresnos, CA	Rarely found in CA	–					NAB 54(3):302; TBRC 2000
	1	A?/M	2/-	Anzalduas, HI	Part of next rept?	–					NAB 54(2):199
	+	U/U	3/03+	Anzalduas, HI	“No signs of nesting”	–					NAB 54(3):302
2001	–					–					
2002	1	U/F	1/20-22	McAllen, HI	Possibly to 23 Jan	–					NAB 56(2):195; TBRC 2002
	1	A?/F	5/25-10-01	Santa Ana, HI	Nest-building, no M	–					NAB 56(3):327; TBRC 2002
	–					1	U/M	5/18+	Sonoita Cr, SC	“has declined”	NAB 56(3):339
	–					1	U/M	6/04-7/15	Sonoita Cr, SC		NAB 56(4):466
											Note: “declined during past decade;” same as 5/18+ male?

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Year	Texas					Arizona					Source
	No.	Age/Sex	Date	Location	Comment	No.	Age/Sex	Date	Location	Comment	
2003	1	A/F	3/09-6/29	Santa Ana, HI		–					NAB 57(3):372; 57(4):516; TBRC 2003
	–					3+	A/M, M-F	6/08-9/24	Sonoita Cr, SC	“nesting” Note: Only site in AZ where nesting regular; one to 24 Sep	NAB 57(4):529; NAB 58(1):123
2004	–					1	U/M	1/27 '04-3/30 '05	Tumacacori, SC	Note: Tumacacori is along Santa Cruz River; 3rd AZ winter record	NAB 58(2):266; 58(3):415
	–					1	U/M	5/12	Guadalupe Cyn, CO		NAB 58(3):415
	–					1	U/M	5/14-22	Sonoita Cr, SC		NAB 58(3):415
	–					1	U/M	5/22	Madera Cyn, PI	Unusual site	NAB 58(3):415
	1	U/F	6/06	Margarita Ranch, ST		–					NAB 58(4):565; TBRC 2004
	1	U/F	11/28+	Pharr, HI							NAB 59(1):110
											Note: [In winter 2004-05] “...[becards] staged an invasion [into TX] – with a total of 9 individuals seen at various [Lower Rio Grande Valley] locations.” NAB 59(2):294
	1	U/F	28 Nov-2 Apr '05	“Hidalgo Co.”		–					TBRC 2005
	to 3	U/U	18 Dec-4 Mar '05	“Hidalgo Co.”		–					TBRC 2005
	to 2	U/U	24 Dec-18 Mar '05	“Cameron Co.”		–					TBRC 2005
2005	1	U/F	1/08-22	“Cameron Co.”		–					TBRC 2005
	1	U/F	2/05	“Cameron Co.”		–					TBRC 2005
	–					2	A/M-F	5/20	Sonoita Cr, SC	“on schedule”	NAB 59(3):478

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Year	Texas					Arizona					Source
	No.	Age/Sex	Date	Location	Comment	No.	Age/Sex	Date	Location	Comment	
2005	–					1	U/U	6/26	Sonoita Cr, SC	1st this summer	NAB 59(4):639
	–					2	A/M-F	7/15	Sonoita Cr, SC	Nest-building	NAB 59(4):639
	–					1	A/F	7/05	Sonoita Cr, SC	Worn	NAB 59(4):639
	–					1	A/F	7/21	Patagonia L, SC	Singing	NAB 59(4):639
						Note: Sonoita Creek from Patagonia Lake to rest area on SR-82 just south of Patagonia continues to be the stronghold for species in Arizona					
	–					5	Family	7/22-9/07	Sonoita Cr, SC	3 yng fledged	NAB 60(1):118
	–					1	U/U	12/04-2/04 '06	Patagonia L, SC	Winter rept	NAB 60(2):270
	1	Im/U	10/07	Rio Hondo, CA		–					NAB 60(1):101; TBRC 2006
2006	1	Ad/F	5/20-6/22	Santa Ana, HI	Nest-building	–					NAB 60(3):403; TBRC 2006
	–					1, 2	U/MM	4/16, 5/18	Sonoita Cr, SC		NAB 60(3):403
	–					1	U/M	3/28	Tumacacori, SC	Very early	NAB 60(3):403
	–					1	U/U	5/15	below Madera Cyn, PI		NAB 60(3):403
	1	Ad/F	late May-6/17	Santa Ana, HI	Nest-building	1	U/M	to 7/06	Sonoita Cr, SC	Early summer	NAB 60(4):552, 563
	–					1	U/M	6/24	Huachuca Cyn, Co	Nesting unkn	NAB 60(4):563
	–					1	U/M	7/17	Madera Cyn, PI	Nesting unkn	NAB 60(4):563
	–					1	U/U	8/08	Guadalupe Cyn, CO	“heard”	NAB 61(1):120
	–					1	U/F	9/01	Tumacacori, SC		NAB 61(1):120
	–					1	A/M	12/20-2/28 '07	Patagonia L, SC		NAB 61(2):310

Appendix 1. Continued

Year	Texas					Arizona					Source
	No.	Age/Sex	Date	Location	Comment	No.	Age/Sex	Date	Location	Comment	
2007	–					–					
2008	1	Im/M	11/6-4/06 '09	Llano Grande, HI	Wintered	–					NAB 63(1)-63(3); TBRC 2009
	1	Im/M	11/22-12/06	Saliñeno, ST		–					NAB 63(1):120; TBRC 2009
2009	–					1	U/U	6/04	Calif. Gulch, SC	"migrant"	NAB 63(4):635
											Note: "...has declined in recent years...with none reported at the traditional breeding locality along Sonoita Creek near Patagonia again this year."
	1, 1	U/U	10/30, 11/15+	Bentsen SP, HI		1	Im/M	10/22-1/16 '10	Tumacacori, SC	"Casual" in AZ	NAB 64(1):114, 126; TBRC 2010
	1,1	Im/M	11/14-5/01 '10	Llano Grande, HI	Wintered	–					NAB 64(2):292-293; TBRC 2010; NAB 64(3):460
		Im/M	11/15-2/19 '10								
2010	1	Ad/M	2/13	Mission, HI		–					NAB 64(2):292-293; TBRC 2010
	1	Im?/M	4/03	Saliñeno, ST		–					NAB 64(3):460; TBRC 2010
	–					1	U/F	7/20	Sonoita Cr, SC		NAB 64(4):629
											Note: "...not...reported from previous breeding sites along Sonoita Cr. for the past few years."
2011	–					1	U/F	7/19	near Carmen, SC		NAB 65(4):669
	1	U/F	7/16-21	Santa Ana, HI		–					NAB 66(1):124
	1	U/F	11/9+	Llano Grande, HI	Wintered	–					NAB 66(1, 2):124,
312											
2012	1	U/U	1/07	Saliñeno, ST		–					NAB 66(2):312

^a Probably not reported from the main breeding locality in the respective regions (Santa Ana National Wildlife Refuge [NWR], Texas; Sonoita Creek south of Patagonia, Arizona) in most of the early years when species occurred regularly. For example, species described as “more numerous” [in spring 1972] than in the previous year [spring 1971] along Sonoita Creek below Patagonia, Arizona, but no details were provided on individual occurrences (see Source for 1972).

^b Abbreviations: Ad = adult, Im = Immature, M = male, F = female, U = unknown age or sex, M-F = presumptive mated pair.

^c Date presented as month/day(s). The year of record is given in the first column on the left. When day range extends into the following year, the ensuing year is abbreviated, e.g., 1910 as '10.

^d Abbreviated localities and counties, **Texas:** Anzalduas = Anzalduas County Park, Bentsen = Bentsen-Rio Grande Valley State Park (SP), Santa Ana = Santa Ana NWR, Llano Grande = Estero Llano Grande SP, CA = Cameron County, HI = Hidalgo County, ST = Starr County, ZA = Zapata County; **Arizona:** Cr = creek, Cyn = canyon, L = lake, Sonoita Cr = Sonoita Creek at or near Patagonia Roadside Rest Area south of Patagonia along State Route (SR) 82, Calif. Gulch = California Gulch near Peña Blanca Lake, western Santa Cruz County, Tumacacori = Santa Cruz River riparian zone near Tumacacori, CO = Cochise County, GR = Graham County, PI = Pima County, SC = Santa Cruz County.

^e Abbreviated serials, acronym volume(issue):page: AB = *American Birds*, FN = (National Audubon Society) *Field Notes*, NAB = *North American Birds*; TBRC year = Texas Bird Records Committee report, year of coverage.

Other abbreviations: prs = pairs, yng = young, months abbreviated by first three letters.