

Learning More California Bird Sounds (LMCBS) Southern CA Sounds Search Results - 2009

Response to survey (compared with Intro. sounds workshop, LCBS, last year)

Attended at least 1 session - 47 (62 in LCBS last year)

Missed no more than 3 meetings - 37, 79%(50, 81% in LCBS). Breakdown:

All 9 sessions - 15 people (13 turned in Survey)

8 sessions - 13 people (9 turned in Survey)

7 sessions - 5 people (1 turned in Survey)

6 sessions - 3 people (1 turned in Survey)

<6 sessions - 10 people (0 turned in Survey)

Overall response to survey:

24 people (+ Sylvia) turned in reports (Names in Appendix 3). This was . . .

65% of those attending 6 or more sessions (54% in LCBS last year)

51% of original enrollment (44% in LCBS last year)

Tally of Questions on Report

All percentages based on a total of 25 (including Sylvia), the number of reports received.

1. How many years have you been birding fairly seriously? (Count back from Feb. 9, when the survey started.)

Less than 3 2 (8% of reports received)

3 to 6 3 (12% of reports)

More than 6 20 (80% of reports)

2. How many times have you done the Learning California Bird Sounds (LCBS) workshop?

0 3 reports

1 6

2 8

3+ 8

3a. From how many LCBS workshop-studied species did you hear at least one sound?

Species studied 63

Range heard 22 - 63 (16-61 in LCBS last year)

Median 50 (51 in LCBS last year)

Top 3 people (overall)

63 spp. Jan Gaffney

62 spp. Roy Poucher

57 spp. Linda Gray

55 or 56 spp. 5 people

Top people with <6 years experience

51 spp. Doug Lithgow (13th overall)

49 spp. Matt Biller (15th overall)

Tally of Questions on Report

3b. From how many LMCBS workshop-studied species did you hear at least one sound?

Species studied	84
Range heard	20-84
Median	44

Top 4 people (overall)

84 spp.	Roy Poucher
75 spp.	Jan Gaffney
70 spp.	Pam Kling
69 spp.	Linda Gray

Top people with <6 years experience

46 spp.	Kate Grabenstein (11th overall)
44 spp.	3 people

3c. From how many total (LCBS + LMCBS) species did you hear at least one sound?

Species studied	147
Range heard	52-146
Median	95

Top 5 people (overall)

146 spp.	Roy Poucher (missed Greater Roadrunner)
138 spp.	Jan Gaffney
126 spp.	Linda Gray & Pam Kling
114 spp.	John Kelly

Top people with <6 years experience

97 spp.	Jennifer Cameron (11th overall)
95 spp.	Doug Lithgow (12th overall)

Cards for Sounds Not Studied

I read every one! Your descriptions were carefully done and it was obvious you were writing about what you heard, not quoting some description in a book--or what the person standing next to you was writing. In fact, most of them were considerably better than the average field guide description. I rejected very few because of poor quality. Some I felt were variants of sounds covered in the workshops or of other sounds you described. If a bird has many song or call variants, I didn't count each one individually. Even though they didn't "count" for the survey, they will be valuable to you, for they demonstrate the variability in each bird's songs and calls.

The information I got from the cards will help me in revising this workshop, and also in revising the Mountains and Deserts workshops in the future. Thank you for your efforts.

Nine people did not submit any cards with details, even though I'm positive you heard additional sounds. I hope you will practice writing descriptions in your field notebook in the future.

Tally of Questions on Report

Back to the Survey

- 4.** From how many additional species did you hear at least one sound?
(Descriptions received for all)

Top 5 people	
83 spp.	Roy Poucher
40 spp.	Linda Gray
18 spp.	Sally Menzel
13 spp.	Sylvia Gallagher
12 spp.	Jan Gaffney

- 5.** How many different workshop-studied sounds (LCBS + LMCBS) did you hear, counting each sound from each species separately?

Number possible	450
Maximum reported	340 (76% of those possible)
Minimum reported	50
Median	186
Top 5 people	
340 sounds	Roy Poucher
246 sounds	Pam Kling
243 sounds	Jan Gaffney, Linda Gray
242 sounds	Sophie Chiang
Top people with <6 years experience	
208 sounds	Jennifer Cameron (6th overall)
182 sounds	Matt Biller (14th overall)

- 6.** How many non-workshop sounds did you hear? (This includes all sounds that we did not study from workshop birds and all the different types of sounds from other species. Cards were submitted for each sound. See Appendix 2 for a complete list.)

Top 5 people	
277 sounds	Roy Poucher
91 sounds	Linda Gray
29 sounds	Sylvia Gallagher
27 sounds	Jan Gaffney, Sally Menzel

- 7.** On how many days did you spend at least two hours listening to bird sounds in southern California locations other than your own neighborhood?

Duration of survey	183 days (Feb. 9 - Aug. 10)
Range	5 - 75 days
Median	25 days (about 1 day per week)

The number of days spent birding is, of course, dependent on the time you have available, as well as your degree of interest. The productiveness of the time spent in the field is dependent on your birding skill and the variety of habitats you visited. Some people spent lots of time, but always in the same habitats, either by choice or because of job or personal constraints.

Tally of Questions on Report

For each person, I divided the total number of workshop sounds heard by the number of days. Then I made a graph in which I plotted the number of sounds/day vs. the number of days. The results lay on a rather smooth curve, with the number of sounds per day diminishing as the number of days increased. Those people whose efforts were more effective than average have species/day ratios that lie above the line, while those whose efforts were less effective lie below the line. The graph is on the bulletin board (not on website, sorry). You can check where you fit in.

Guess the Answers to the Following Questions

8. Which two LMCBS workshop-studied birds were heard by the most people? (Many people listed LCBS birds, so their answers did not count.)

6 species guessed:

11 people	Mallard
6 people	American Coot
1 person each	Canada Goose, Black-necked Stilt, Willet, Rock Pigeon

The most frequently heard bird was guessed by no one. [Have group guess some more.]

Species heard by the most people:

23 people heard	Black-necked Stilt
22 people	-----
21 people	Canada Goose, Mallard, American Avocet, Willet, Forster's Tern, Downy Woodpecker, Tree Swallow
20 people	Great Blue Heron, American Coot
19 people	Several spp. including Rock Pigeon

9. Which 2 LMCBS workshop-studied birds were heard by the fewest people?

24 species guessed. Most popular guesses:

6 people guessed	American Bittern
5 people	Yellow-billed Cuckoo
3 people	Clapper Rail, Sage Sparrow, Grasshopper Sparrow

Species whose workshop-studied sounds were heard by the fewest people:

All workshop species were heard by at least 3 people.

3 people heard	Yellow-billed Cuckoo and Least Bittern (guessed by no one)
4 people	American Bittern
5 people	Common Ground-Dove, Summer Tanager, Grasshopper Sparrow, Lincoln's Sparrow, Golden-crowned Sparrow

Other sounds were heard from some of the above species.

Clapper Rail was heard by 12 people, Sage Sparrow by 7 people.

Tally of Questions on Report

- 10.** What was the greatest number of LMCBS workshop-studied species heard by any one person?

We studied 84 species. Guesses ranged from 20 to 84, with a median of 44.
Roy Poucher saw all 84 species. Actual median was 44. (You underestimated yourselves.)
Best guesses:

84 Pam Kling and, of course, Roy Poucher
75 Jan Gaffney
69 Linda Gray

- 11.** What was the greatest number of additional species heard by any one person.
Guesses ranged from 12 to 110 species, with a median of 35.
Roy Poucher heard the most, 83 species.

Closest guesses:

86 Roy Poucher
87 Jan Gaffney

Rest were far off.

- 12** What was the total number of species (workshop or not) heard by at least one person?
Guesses ranged from 20 to 350, with a median of 190. (I suspect some of the people with the extremely low guesses didn't understand the question.)

Actual number was

63 (all LCBS) + 84 (all LMCBS) + 100 (additional species) = 247

Closest guesses:

253 Roy Poucher (+6)
240 Suzanne Carota (-7)
255 Mabel Alazard (+8)

Additional Observations

(These topics were not covered by questions on the tally sheets.)

- 1.** LMCBS workshop sounds heard by the fewest people--an amazingly short list!

These 14 sounds (out of 450 total) were heard by no one:

Pied-billed Grebe - copulatory call

Wood Duck - coquette call

Osprey - scratchy well-spaced upslurs

White-tailed Kite - rough "chuck" and fast "tik-tik-tik"

Virginia Rail - "oik-oik"

Lesser Yellowlegs - feeding group

Caspian Tern - jv begging (Typically a fall sound. Listen for it now!)

Yellow-billed Cuckoo - fast "cuk cuk cuk..." and "coo-coo-coo..."

Willow Flycatcher - aggressive calls

Lark Sparrow - "ss" call

Golden-crowned Sparrow - laughing call

Blue Grosbeak - soft "zi-zi-zi..." call

Additional Observations

These 21 sounds were heard by just one person:

Black-crowned Night-Heron - nestling calls - Jennifer Cameron
White-tailed Kite - gentle "tew" - Pam Kling
" - "(eee)-graak" (any) - Amber Oneal
Clapper Rail - "kek-burr" - Pam Kling
Sora - "wee" - Sophie Chiang
Lesser Yellowlegs - feeding group - Roy Poucher
Ruddy Turnstone - alarm "keu" - Roy Poucher
Band-tailed Pigeon - grunt/growl - Linda Gray
Yellow-billed Cuckoo - slow "cuk cuk cuk ..." - Pam Kling
Pacific-slope Flycatcher - alarm call (like _ call, but louder) - Roy Poucher
Horned Lark - rough calls - Cheryl Egger
Blue-gray Gnatcatcher - "tik" - Mabel Alazard
California Gnatcatcher - harsh "churr" - Roy Poucher
Golden-crowned Sparrow - "tchup" - Sylvia Gallagher
Dark-eyed Junco - premigratory song - Jennifer Cameron
Blue Grosbeak - "djirr" & "prreet" calls - both Jan Gaffney
Lazuli Bunting - "tik" call - Doug Lithgow
" - "chip" call - Linda Gray
" - "seet" call - Amber Oneal
Tricolored Blackbird - nest colony cacophany - Sylvia Gallagher
Purple Finch - short slurred song/call - Sophie Chiang

A complete list of all LMCBS sounds and the number of people hearing them is in Appendix 1.

- 2.** Additional species heard by just one person.
28 spp. Roy Poucher
3 spp. Linda Gray
2 spp. Kate Grabenstein & Sylvia Gallagher
1 sp. Star Howard, Jan Gaffney, Sally Menzel, Suzanne Carota
(Some of these birds were heard by others, but they didn't bother to make cards.)

Appendix 1 - Tally of Individual Sounds (LMCBS Only)

Following each sound is the number of people reporting it.

007. GREBE, PIED-BILLED (M2-01). Song w/o braying finale	11	Song w/ braying finale	8
"Kaow" call	11	Greeting call	8
		Copulatory call	0
075. BITTERN, AMERICAN (M2-07). "Pump" call	4		
077. BITTERN, LEAST (M2-08). "Coo-coo-coo..."	3	(Make card if hear accompanying "tik-tik.")	
078. HERON, GREAT BLUE (M2-03). Ad growls (any type)	21	Nestling calls	7
079. EGRET, GREAT (M2-04). Ad growls (any)	15	(Make card for nestling calls.)	
083. EGRET, SNOWY (M2-05). Ad growls (any)	11	Nestling calls	2
089. HERON, GREEN (M2-02). Warning clucks	10	Excited/aggressive calls	9
090. NIGHT-HERON, BLACK-CROWNED (M2-06). Ad calls (any)	17	Nestling calls	1
095. IBIS, WHITE-FACED (M1-06). Calm calls	9	Excited calls	3
113. GOOSE, CANADA (M1-01). Calm calls	18	Courtship or other excited calls	15
121. DUCK, WOOD (M1-07). "basic" call	10	"hauk" call (any type)	7
		"coquette" call	0
122. GADWALL (M1-05). "Bek"	12	loud quacks	7
		Wings on take-off	5
125. WIGEON, AMERICAN (M1-08). whistles	21	growls	6
		wings on take-off	5
127. MALLARD (M1-02). quacks	21	loud quacks	19
		Wings on take-off	16
132. SHOVELER, NORTHERN (M1-04). "took-took"	4	quacks (any)	5
		Wings on take-off	11
137. TEAL, GREEN-WINGED (M1-03). whistle	12	quacks	12
		Wings on take-off	3
164. OSPREY (M4-11). Guard call (like <u>a</u> or <u>b</u>)	7	Scratchy well-spaced upslurs (<u>b</u>)	0
		Rapid whistled "teu" series (<u>c</u>)	6
		Slower whistled "eee" series (<u>d</u>)	3
167. KITE, WHITE-TAILED (M4-12). Typical "tew"	6	Gentle "tew"	1
		"(Eee)-graak" (any)	1
		Rough "chuck"	0
		Fast "tik-tik-tik"	0
228. RAIL, CLAPPER (M1-11). Clapping	11	"Kek kek kek..."	7
		"Kek-burr"	1
231. SORA (M1-09). Whinny	14	"ker-wee"	5
		"wee"	1
		"keek"	7
230. RAIL, VIRGINIA (M1-10). "kid-ik"	10	"kicker" call	2
		"oik-oik"	0
235. MOORHEN, COMMON (M1-13). Moans	5	Well separated calm calls	5
		Decel. series of similar notes	5
		Other excited calls	4
237. COOT, AMERICAN (M1-12). Excited calls	16	"Greeting" call (alternating grunts)	15
		Extended moans	7
		Well separated calm calls	18
		Jv calls	7
262. OYSTERCATCHER, BLACK (M4-05). "Wheoo"	11	Piping (any)	3
		"Keek" alarm	5
264. STILT, BLACK-NECKED (M3-01). Call	24		
265. AVOCET, AMERICAN (M3-02). Call	22		
268. YELLOWLEGS, GREATER (M3-03). Short burst of calls	11	Alarm series	5
269. YELLOWLEGS, LESSER (M3-04). Short bursts	8	Alarm series	2
		Feeding group	1
276. WILLET (M4-01). "Pill-will-will-(et)"	22	"K'leep"	15
		"Kyah-(yah)"	11
285. WHIMBREL (M3-09). "Ti-ti-ti..."	19		
290. CURLEW, LONG-BILLED (M3-08). "Cur-lee"	18	Tremulous whistles	6
294. GODWIT, MARBLED (M3-07). "Raddata-raddata"	13	"Ahk or ah-ah.."	12
		Assertive "yak"	6
		"Weer"	2
		"Wit-wit" or "ger-WHIT"	3
295. TURNSTONE, RUDDY (M4-04). Rattle	6	"Teuk"	2
		Alarm "keu"	1
296. TURNSTONE, BLACK (M4-03). Rattle	9		
300. SANDERLING (M4-02). Calm calls	5	Alarm calls	3

Appendix 1 - Tally of Individual Sounds (LMCBS Only)

302. SANDPIPER, WESTERN (M3-05). Isolated calm calls	18	Huge flock calls	6	Agonistic calls	4
307. SANDPIPER, LEAST (M3-06). Calm calls	12				
368. TERN, CASPIAN (M4-06). Short call	16	Long call	13	Jv begging	0
370. TERN, ELEGANT (M4-09). "Karrick"	19	"Keer"	13	Jv begging	3
"Kit-a-leek"	11	"Kee-kee-kee"	12	(last 2 usually in fl display of pair)	
375. TERN, FORSTER'S (M4-07). "Zrrur"	20	"Zhreer"	16	"Pip-pip-pip..."	16
"Tik"	11				
376. TERN, LEAST (M4-08). "Ti-tee" or "ti-ti-ti-tee"	16				
386. SKIMMER, BLACK (M4-10). Short "yip"	13	Longer call	6		
409. PIGEON, ROCK (M7-10). "(Hih)-hih-whoo" type	16	"WhoOOOoo" type	16		
413. PIGEON, BAND-TAILED (M7-09). "Hih-whoo" type	10	"WhoOOOoo" type	6		
Grunt/growl	1				
422. GROUND-DOVE, COMMON (M7-11). Call	5				
438. CUCKOO, YELLOW-BILLED (M7-12). Slow "cuk cuk cuk..."	1	Fast "cuk-cuk-cuk..." only	0		
"Kowlp" only (any type)	3	"cuk-cuk... ø kowlp kowlp..."	3	"Coo-coo-coo..."	0
526. WOODPECKER, DOWNY (M7-13). "Pik"	14	Rattle	17	Drumming	13
549. FLYCATCHER, WILLOW (M7-08). "Fitz-bew"	8	"Prrit"	4		
"Whit" or "smack"	3	Aggressive calls	0		
554. FLYCATCHER, PACIFIC-SLOPE (M7-07). Full song	16	call	12	call	3
Alarm call (like-call, but louder)	1				
583. SHRIKE, LOGGERHEAD (M5-12). Song	6	Alarm call (any)	4		
587. VIREO, BELL'S (M6-06). Song	17	Subsong	5	Generalized call	2
Spaced out scratchier calls (extreme alarm)	2				
622. LARK, HORNED (M6-01). Intermittent song	11	Recitative song	4	Rough calls	1
Clear calls resembling song elements	7				
628. SWALLOW, TREE (M2-11). Rapid series	21	Separated calls	16		
629. SWALLOW, VIOLET-GREEN (M2-12). Rapid series	4	Separated calls	3		
631. SWALLOW, NORTHERN ROUGH-WINGED (M2-13). Rapid series	13	Separated calls	15		
633. SWALLOW, CLIFF (M2-09). "Anh"	17	Squeaks & whistles at n	10		
635. SWALLOW, BARN (M2-10). Rapid series	16	Separated calls	9		
656. WREN, CACTUS (M5-01). "Ra-ra-ra..."	15	"Kek-kek-kek" (any)	6	Growl	3
677. GNATCATCHER, BLUE-GRAY (M5-02). Calm "pwee"	14	Grouped agitated "pwees"	5		
"Tik"	0	Agitated trills	3	Continuous song	4
678. GNATCATCHER, CALIFORNIA (M5-03). "Mew" w/ obvious initial upslur	6				
"Mew" w/o obvious initial upslur	7	Wavery "mew"	3	Harsh "churr"	1
695. BLUEBIRD, WESTERN (M7-03). "Pew"	21	Chatterly song/call motifs	7		
702. THRUSH, SWAINSON'S (M7-01). "Whit" call	9	(Make cards for other sounds.)			
703. THRUSH, HERMIT (M7-02). "Quirk" call	6	(Make cards for other sounds.)			
760. WARBLER, YELLOW (M6-10). Song: type I	18	type II	8	type III	9
Call	7	Different call	0		
769. WARBLER, TOWNSEND'S (M6-12). Call	6	(Make card if you hear song.)			
796. WARBLER, WILSON'S (M6-11). Song	15	Call	8		

Appendix 1 - Tally of Individual Sounds (LMCBS Only)

804. **CHAT, YELLOW-BREASTED** (M6-09). Song 14 Downslurred buzzy call 4 "Tuck" call 3
 Forced descending "eek" 3 Wooden "cuk-cuk" 8 (high? Some may have checked this)
 when part of song.)
807. **TANAGER, SUMMER** (M7-04). Call 6 (Make card if you hear anything else.)
809. **TANAGER, WESTERN** (M7-05). Call 14 (Make card if you hear anything else.)
826. **SPARROW, RUFOUS-CROWNED** (M5-04). Song 6 "Dear-dear-dear" 5 Chatter 2
834. **SPARROW, BLACK-CHINNED** (M5-09). Song w/ upslurred notes 8
 Song w/ downslurred notes 6 "Seep" call 4 "Chip" call 3
836. **SPARROW, LARK** (M6-05). Song 10 Run-on song 5 Short song/call phrases 3
 "Ts" call 2 "Ss" call 0 High trilled "ti-ti-ti..." 2
838. **SPARROW, SAGE** (M5-05). Song (*belli*) 3 Song (*canescens*) 6 Soft "tsit" 4 Scold 2
841. **SPARROW, GRASSHOPPER** (M6-02). Primary song 3 Recitative song 2 Call 2
848. **SPARROW, FOX** (M5-06). "Pink" (Thick-billed) 5 "Tik" (other forms) 4
 (Make card for other sounds.)
850. **SPARROW, LINCOLN'S** (M5-07). "Tik" 5 (Make cards for other sounds.)
854. **SPARROW, WHITE-CROWNED** (5-9). (Typical *gambellii* was tallied in LCBS last year.)
oriantha (mountains summer, desert transient) Song 4 Twangy "penk" 2
 Laughing call 0 "Sss" 0 *nutalli* (coast N of Pt. Conception) Song 2
 "pink" 1 Laughing call 1 "Sss" 0
855. **SPARROW, GOLDEN-CROWNED** (M5-08). Complete 3-note song 2 Incomplete
 song 3 "Sss" 3 "Tchup" 1 Laughing call 0
856. **JUNCO, DARK-EYED** (M7-06). Tinkly "tsip" singlets or multiples 12 "Tik" or "snap" 11
 "kew-kew-kew..." 6 "Ss" 4 Soft premigratory song 1 (Make card for crystallized song.)
879. **GROSBEAK, BLUE** (M6-04). Song 9 "Tink" call 7 "Djirr" call 1
 "Prreet" call 1 Soft "zi-zi-zi..." call 0
880. **BUNTING, LAZULI** (M6-04). Short song 9 Long song 6 "Pink" call 2
 "Tik" call 1 "Chip" call 1 "Seet" call 1 Other call 0
887. **BLACKBIRD, TRICOLORED** (M6-07). Short growl song 4 Long growl song 3
 Nest colony cacophany 1 "Tin-horn" call 3 Other call(s) 2
896. **GRACKLE, GREAT-TAILED** (M6-08). Song 14 "Chut" call 19 Puffing notes 9
 Loud metallic multiplets 16 Nest colony cacophany 3
917. **FINCH, PURPLE** (M5-10). Territorial song 6 Vireo-like song 3 Warbling song 10
 Short slurred song/call 1 Perched "pit" call 4 Flight "pit" call 3
927. **GOLDFINCH, LAWRENCE'S** (M5-11). Song 7 Tinkly multiplet calls (not in song) 3

Appendix 2 - List of Sounds Not Studied

New Species

In parentheses right before each name is the number of people reporting the species. After the descriptions of each sound are the ID numbers of the people reporting it. (Appendix 3 lists the people submitting reports and their ID numbers.) Descriptions of the sounds were generally taken from the first card(s) I looked at. They are not necessarily the best way to characterize the sounds I judged a description to be satisfactory if it was as good as what's in the average field guide. That's not a very high standard and most of you did better. The descriptions were generally excellent and it was hard to resist including everything you wrote. I tried to include only what was necessary to make clear which sound of that bird you were describing.

For altricial birds, ch refers to a nestling and ju refers to a fledgling. For precocial birds I've used ch if still downy, ju if feathered but still dependent.

- 004 (1) **Common Loon** - tremulous call - 316
- 011 (1) **Western Grebe** - call - 316
- 012 (2) **Clark's Grebe** - "krrik" call - 001, 316
- 067 (4) **Double-crested Cormorant** - various grunts/growls/etc. - 001, 207, 213, 316
ch calls when alone and when being fed - 001, 316
- 107 (1) **Greater White-fronted Goose** - single & drawn-out gargly honks - 105
- 130 (1) **Blue-winged Teal** - thin whistled peeps (contact) - 207
- 131 (1) **Cinnamon Teal** - harsh, yet soft, "wah! wah!" (flight alarm) - 316
- 173 (1) **Northern Harrier** - flat, short, raspy "chek" (alarm? scold?) - 106
- 203 (1) **Chukar** - "chuck, chuck" & "chuckalucka chuckalucka" - 316
- 219 (2) **Mountain Quail** - loud, slurred "woo-ook" - 105, 316
"kieerr" series (contact) - 105, 316
wing flutter - 316
- 222 (2) **Gambel's Quail** - thin, nasal "Chicago" or "k-kway-er" (song) - 316
weak "wow" - 303, 316 (call)
squishy "wicka wicka" (contact) - 316
- 239 (1) **Sandhill Crane** - call - 316
- 254 (4) **Semipalmated Plover** - single or repeated "kwip" or "cheep" - 202, 207, 301, 316
whistled "chu-WEE" (flight) - 316
- 275 (1) **Solitary Sandpiper** - sharp "peeet" (alarm) - 316
slightly trilled "we-weet" (flight) - 316

Appendix 2 - List of Sounds Not Studied

- 277 (1) **Wandering Tattler** - rapid "ti ti ti ..." (aggression) - 001, 106
- 280 (2) **Spotted Sandpiper** - short singlet whistles - 301
doublet "tu-weet" calls - 303
- 297 (2) **Surfbird** - low "tuk" or group of them - 001, 105, 316
- 343 (3) **Heermann's Gull** - nasal "yow" - 207, 312, 316
whiny "yap yap" - 207, 316
nasal "ang" - 312
- 348 (3) **Ring-billed Gull** - "ka-RAA" - 213, 316
call ending with downslur (1 mentioned slight initial upslur) - 104, 316
"ble-EE" or "cur-LEEE" (during short flight) - 316
high singlet call (when flushed) - 316
- 349 (2) **California Gull** - single strident downslur - 104
rapid "ha ha ha..." - 316 (This & the next one are Sibley's "long call."
rapid "gnea gnea gnea..." - 316
- 350 (1) **Herring Gull** - high, squealed, downslurred "ee-w" - 104
- 357 (4) **Western Gull** - high "klee-yah" - 104, 207, 316
low, deep "kwaow" - 207, 312, 316
low, short "gruff gruff . . ." - 104, 312, 316
"g-LUCK" series - 316
- 367 (1) **Gull-billed Tern** - "too-WHEE" series - 303
- 369 (1) **Royal Tern** - "korrick" - 316
"ha-CHA" - 316
- 393 (1) **Pigeon Guillemot** - soft thin, fairly high "whee whee whee ti-ti-ti-ti...." - 001
- 415 (4) **Eurasian Collared-Dove** - monotone "to-to-TOO", often repeated over & over with no break - 001, 213, 303, 316
above song with popping "puff" between motifs - 316
rough, strangled "krreew" or similar sound - 001, 213, 316
wing flapping - 001, 316
wing flapping with slight whistled "wir" quality (uncommon) - 316
- 417 (1) **White-winged Dove** - cooing "Who cooks for you?" - 213
- 421 (2) **Inca Dove** - monotone "no hope" repeated over and over - 303, 316
- 444 (1) **Flammulated Owl** - low, soft "poot," repeated at ca. 2-sec intervals - 316
above with occasional "podo-POOT" - 316

Appendix 2 - List of Sounds Not Studied

- 452 (1) **Northern Pygmy-Owl** - whistled "toot" at ca. 1-sec intervals - 316
- 457 (1) **Spotted Owl** - shrill, emphatic, nasal, whistled "towaeeee-ip" (female begging) - 316
(Companions heard typical dog-like "whoot")
- 460 (1) **Long-eared Owl** - "hoooo----" - 104
- 464 (1) **Northern Saw-whet Owl** - low whistled "toots", occas. accelerating and slightly higher - 316
- 465 (4) **Lesser Nighthawk** - long, low, tremulous trill - 108, 207, 213, 316
short notes of trill given individually - 316
nasal, stuttery "yanna yanna yanna" - 207, 213, 316
soft wing whistle - 316
- 469 (1) **Common Poorwill** - "poor-will-it" - 316
- 472 (2) **Whip-poor-will** - "r-rip'aREEP" repeated at <1 sec intervals - 316
- 498 (3) **Black-chinned Hummingbird** - light, musical stutter - 105, 314, 316
husky "tiup" - 316
wing buzz - 314, 316
- 500 (2) **Costa's Hummingbird** - dry "tink" (higher than Anna's) - 314, 316
wing buzz: "zeeeEEEEEEEEeee" etc. - 316
- 504 (1) **Rufous Hummingbird** (migrants in mtn. flower field) - "tyup tyup" - 316
"tzeee tzupity tzupity tzup" - 316
- 505 (9) **Allen's Hummingbird** - "zee chupity chup, etc." - 207, 213, 316
"tik tik . . ." - 001, 319
high, continuous, buzzy "zjee," etc. - 001, 105, 207, 316, 319
trill (softer, higher & more tonal than Anna's) - 314, 316
thin churring whistle during display dive - 312, 316, 319
jv begging calls - 102
- 516 (2) **Gila Woodpecker** - harsh, slightly upslurred "quirrr" - 316
rattle: "geet-geet-geet..." - 316
- 519 (2) **Williamson's Sapsucker** - "kwee-ark" - 105, 316
quavery notes - 316
squawky, hissing "chur chur" - 316
drumming: short, fading-out bursts - 316
- 522 (2) **Red-breasted Sapsucker** - "queeah" - 105, 316
squeaky, nasal, muted "chi'ark chi'ark chup chup" - 316
drumming: short bursts - 105

Appendix 2 - List of Sounds Not Studied

- 524 (3) **Ladder-backed Woodpecker** - sharp "pik" - 105, 207, 316
less crisp "queek" - 316
rattle - 316
"wicka-wicka-wicka" - 316
drumming: short, fast - 316
- 527 (2) **Hairy Woodpecker** - variable squeaky "peak" - 105, 316
"squee squee squee..." - 316
soft, fussy, squeaky "rrr rrrr rrr" - 105, 316
rattle - 316
- 530 (2) **White-headed Woodpecker** - variable sharp "p'teek," "scree," etc. - 105, 316
metallic rattle - 105
rapid drumming roll - 316
- 535 (1) **Pileated Woodpecker** - rattle - 316
- 541 (3) **Olive-sided Flycatcher** - "quick THREE beers" - 105, 314, 316
"pip pip pip" - 105, 314
- 543 (3) **Western Wood-Pewee** - descending "pee-ur" - 105, 314, 316
above preceded by various short notes & phrases (dawn song) - 316
flat, sneezy "bzew" - 316
quick, sputtering "tup tup tup..." - 316
- 551 (2) **Hammond's Flycatcher** - song (possibly mis-ID'd Dusky) - 105
sharp "puik" - 316
- 553 (2) **Dusky Flycatcher** - 3-parted song - 105, 316
sharp "dew-hik" - 316
mournful, wheezy "whee" - 316
- 560 (2) **Vermilion Flycatcher** - song - 202, 316
loud metallic "psee" call - 316
- 565 (1) **Brown-crested Flycatcher** - song - 316
"whit" call singly or in series - 316
"breep" call - 316
- 590 (1) **Yellow-throated Vireo** - song - 316
scold - 316
- 591 (2) **Plumbeous Vireo** - song - 001, 105
- 592 (3) **Cassin's Vireo** - song - 105, 106, 316
- 595 (2) **Warbling Vireo** - song - 105, 316
raspy doublet call - 316

Appendix 2 - List of Sounds Not Studied

- 602 (4) **Steller's Jay** - singlet or long slow call series - 104, 105, 213, 316
"machine gun" call - 105, 316
variety of rough or scratchy calls with irregular rhythm - 105, 316
drawn out "whee-oor" resembling Red-tailed Hawk's call - 105
faster version of above resembling Red-shouldered Hawk - 105
various clear multi-syllabic sounds (seem imitative of various things) - 105, 316
gargly rattle - 316
jv sounds - 105
(Linda Gray described nine different sounds & felt strongly that the bird was imitating sounds in her neighborhood in Lake Arrowhead.)
- 610 (1) **Pinyon Jay** - nasal "air" singly or in series - 316
jv calls - 316
- 639 (5) **Mountain Chickadee** - song - 105, 106, 202, 213, 316
rough "chik-a-dee" call - 105, 316
"dee dee dee ..." call - 105, 213
various raspy twitters - 202, 213
jv or ch calls - 105
- 641 (1) **Chestnut-backed Chickadee** - fussy call/song - 001
(This bird lacks a clear song.)
- 649 (5) **Verdin** - song - 104, 213, 303, 316
"phew" or "tseef" call (descriptions varied) - 207, 316
"tik" call - 207, 316
- 651 (2) **Red-breasted Nuthatch** - "tin-horn" call - 105, 316
- 652 (4) **White-breasted Nuthatch** - "yank yank . . ." call - 105, 202, 213, 316
single loud, nasal, downslurred "yaah" - 202, 316
soft fussy or purring calls - 105, 213, 316
jv or ch calls - 105
- 653 (1) **Pygmy Nuthatch** - soft whistled "peep peep. . ." - 316
- 655 (2) **Brown Creeper** - song - 205, 316
various "see see . . ." calls (vary with degree of excitement) - 316
"teek teek" flight call - 316
- 657 (4) **Rock Wren** - song - 207, 213
short buzzy "bree" call, sometimes doubled - 316
faint "kih kih" call - 104
- 658 (3) **Canyon Wren** - song - 106, 202, 316
sharp, twangy "jeetz" - 316

Appendix 2 - List of Sounds Not Studied

- 667 (2) **Golden-crowned Kinglet** - song - 105, 316
call/scold - 316
- 679 (2) **Black-tailed Gnatcatcher** - buzzy "mew" - 213, 316
scold - 316
- 697 (1) **Townsend's Solitaire** - song - 316
fluty "yeep" call - 316
- 723 (2) **Bendire's Thrasher** - song - 207, 316
- 726 (1) **Crissal Thrasher** - song - 316
- 727 (1) **Le Conte's Thrasher** - song - 316
- 746 (4) **Phainopepla** - song - 316
"quirk" call - 105, 213, 314, 316
- 753 (4) **Nashville Warbler** - song - 001, 105, 316
call - 314, 316
- 756 (1) **Lucy's Warbler** - call - 316
- 766 (3) **Black-throated Gray Warbler** - song - 001, 105, 316
- 770 (3) **Hermit Warbler** - song - 105, 106, 205
- 774 (1) **Pine Warbler** - song - 316
(wintering vagrant, Estancia Park, Costa Mesa)
- 787 (1) **Northern Waterthrush** - song - 001
call - 001 (Galileo Hill, 4/21)
- 792 (2) **MacGillivray's Warbler** - song - 105, 316
call - 105, 316
- 806 (2) **Hepatic Tanager** - song - 105, 316
call - 105, 316
- 816 (2) **Green-tailed Towhee** - song - 105, 316
"mew" call - 105, 316
subsong - 316
"seep" or "teetz" call - 316
- 821 (1) **Abert's Towhee** - song - 316
"chink" call - 316
squeal call - 316

Appendix 2 - List of Sounds Not Studied

- 829 (2) **Chipping Sparrow** - song - 105, 316
"tik" call, sometimes in rapid series - 316
- 831 (1) **Brewer's Sparrow** - song - 316
subsong - 316
- 834 (1) **Black-chinned Sparrow** - subsong - 316
call - 316
- 835 (2) **Vesper Sparrow** - song - 105, 316
- 837 (3) **Black-throated Sparrow** - song - 207, 213, 316
churring call - 213, 316
single thin "teek" - 316
"see see see..." - 316
- 891 (2) **Yellow-headed Blackbird** - song - 105, 303
low, rough, descending trills - 105
"chuck" - 105
nest colony cacophony (Big Bear City water treatment plant) - 105
- 909 (2) **Scott's Oriole** - song - 213, 316
"churk" or "chuck" call - 213, 316
soft "chip" - 213
- 918 (2) **Cassin's Finch** - song - 105, 316
"chiliup" call - 316
flight call - 316
- 920 (1) **Red Crossbill** - "jib-jib" & "kip-kip" of feeding flock - 105
- 925 (3) **Pine Siskin** - song - 316
raspy, rising "zhuree" (variable duration) - 105, 202, 316
"pepepet" interaction call - 316
"kdeew" flight call - 105

Exotics (Not on ABA Checklist)

- E003 (1) **Chinese Goose** (aka Swan Goose) - loud nasal sounds - 105
- E006 (2) **Common Peafowl** - "yowlp" or "help" - 202, 213
- E007 (6) **Red-crowned Parrot** - loud squawks - 001, 104, 202, 314, 316, 319
"KEEock" - 316
- (2) **Parrot sp.** (invisible in treetops) - similar to above - 202, 303
- E011 (5) **Nutmeg Mannikin** - wheezy, tinkly calls - 102, 105, 106, 312, 316
- E012 (1) **Orange Bishop** - slow trill of "chee chee..." or "zzit zzit..." notes - 316

Additional Sounds from Species Studied

- 007 **Pied-billed Grebe** - jv begging calls - 106, 207, 105, 316
- 077 **Least Bittern** - harsh "kek kek ..." - 316
single flat "kuk" - 316
jv begging call - 316
- 078 **Black-crowned Night-Heron** - laughing "ha-ha-...-ha-ha-hock, wock wock" - 316
- 113 **Canada Goose** - 4 other calls (this bird VERY versatile) - 316
- 127 **Mallard** - soft female calls - 001, 207
ch whistles & squeaks - 319
- 175 **Cooper's Hawk** - loud "gr'aack" alarm call (2 sec duration) when startled - 001, 319
- 230 **Virginia Rail** - "kid kid kid" with quality like "kid-ik" series - 001
- 235 **Common Moorhen** - wheezy jv begging calls - 316
- 244 **Black-bellied Plover** - more complex variant of typical call - 301
simpler variant of typical call - 316
quick, soft "kwee kwee" - 316
- 264 **Black-necked Stilt** - aggressive calls (longer, lower, rougher than usual) - 001, 319
- 265 **American Avocet** - agitated "klee'klee klee'klew" - 316
clipped version of "kleep": "kl klih kl..." etc. - 316
- 266 **Whimbrel** - song (more variable piping, maybe some long notes) - 301, 316
emphatic version of typical piping (flushed by dog) - 105
- 290 **Long-billed Curlew** - complex sequence of clear & broken notes (post-breeding song?) -301

Additional Sounds from Species Studied

- 368 **Caspian Tern** - "kip kip kip" - 316
- 370 **Elegant Tern** - various growls - 207, 316
jv: squeaky "queek" or "kaweek" - 207
initial downslur going to a trill (call duration 0.3 sec) - 001
low "rur rur rur..." - 001
tight "pup" - 001
- 375 **Forster's Tern** - aggressive high "scree scree ..." - 207, 316
jv: emphatic, wheezy "tsee tsee . . ." - 316
- 376 **Least Tern** - various low, aggressive calls, can be harsh - 207, 301
"zai'ip," "r'ipe," etc. from ad nr. nests - 316
variety of jv calls - 207, 301, 316
- 386 **Black Skimmer** - nasal "----- . . ." - 316
- 409 **Rock Pigeon** - wing "wir" (slightly whistled) - 316
jv: high thin "pee pee . . ." - 207, 319
jv: "zu-WEE" - 316
- 413 **Band-tailed Pigeon** - wing "wir" and clatter - 316
- 419 **Mourning Dove** - barely audible courtship "woo, woo" - 316
harsh version of typical call (heard at dawn) - 316
- 446 **Western Screech-Owl** - series of soft barks - 316
- 499 **Anna's Hummingbird** - run-together, hissy alarm scold - 316
jv begging: weak, squeaky "peak" - 316
- 515 **Acorn Woodpecker** - jv: nasal "anng-h-anng-h" - 105
- 525 **Nuttall's Woodpecker** - soft "pi-pi-pi-..." (foraging) - 316
nestling: incessant "chip chip chip . . ." - 316
jv: like ad rattle, but continuous & duller - 316
- 557 **Black Phoebe** - aggressive "gee geeGEE seep" - 316
fast, ringing, almost trilled "DeeDeeDeeDee" - 316
ascending, then descending "PiPiPiPiPi..." (jv near) - 316
bill clap - 102
ch/jv: various wheezy, soft sounds (4 described) - 316
- 562 **Ash-throated Flycatcher** - low, mellow twittering during aggressive flight - 105
- 573 **Cassin's Kingbird** - loud, repeated "feea, rararéa" (2nd phrase rougher) - 316
(dawn song)

Additional Sounds from Species Studied

- 583 **Loggerhead Shrike** - harsh, aggressive alarm call - 001
- 608 **Western Scrub-Jay** (typical *californica*) - wing "wir" - 316
contact call - soft, 2-parted, pleasant - 316
jv: wheezy "scree" - 316
Western Scrub-Jay (*woodhousei*) - nasal "squee" - 316
rapid series of thin, squeaky "jay jay jay..." - 316
(calls not as robust as *californica*)
- 633 **Cliff Swallow** - jv: fast, high, raspy - 105
- 650 **Bushtit** - forceful, ratchety, loud bursts (alarm nr. nest) - 319
scold: harsh "quick" - 316
- 656 **Cactus Wren** - squeezy, buzzy "screy screy" (flying past observer) - 316
- 660 **Bewick's Wren** - jv: high, thin, repeated "zeep" - 316
- 661 **House Wren** - ch: squeaky "peep" - 202, 316
- 677 **Blue-gray Gnatcatcher** - jv: weak, wheezy "pieu" - 316
- 695 **Western Bluebird** - dawn song of discrete, clear, fluty, thrush-like phrases - 316
nestling: abrupt "churr" - 105
fledgling: high "seet seet . . ." - 105
- 702 **Swainson's Thrush** - song - 001
"whree" call - 316
- 703 **Hermit Thrush** - song - 105, 213
wheezy "zhweee" call - 316
kiss-like "thss" call - 102
- 718 **Northern Mockingbird** - various aggressive hisses & churrs - 316, 319
jv: high, somewhat variable, "eee" sounds - 310, 316, 319
- 729 **European Starling** - variety of "churr" notes from ad, nestling, jv - 316
- 741 **American Pipit** - song (May 3 in desert) - 316
- 752 **Orange-crowned Warbler** - unusual 4-parted song - 316
jv: "tik" call to parent (lower pitched than parent) - 207
- 765 **Yellow-rumped (Myrtle) Warbler** - call (sharp, buzzy chip) - 316
(It's usually fairly easy to detect this different sound in a flock of YRWAs.)
- 769 **Townsend's Warbler** - song - 105, 207, 316

Additional Sounds from Species Studied

- 793 **Yellow-rumped Warbler** - series of low staccato notes - 105
flight song: high, buzzy "spit spit spit" followed by more standard song elements - 316
call - sharp "steek" (This was his 3rd call type, hence the card.) - 316
- 796 **Wilson's Warbler** - subsong - 316
- 807 **Summer Tanager** - song - 001, 105, 316
- 809 **Western Tanager** - song - 105, 106, 207, 316
subsong (2 versions from different birds) - 316
typical call with intro. "pit-pit-pit" - 316
flight call: soft whistled "weet" or "weer" - 105, 316
- 817 **Spotted Towhee** - soft, evenly spaced whistles - 105
individual "wheep" - 001
- 820 **California Towhee** - soft, sweet, short "chip" amongst songs - 316
"th-ee-ee-ee-ee" between typical "chink" calls - 316
jv: lispy, metallic "tseep tseep" - 316
- 838 **Sage Sparrow** - scold - 316
- 840 **Savannah Sparrow** (*beldingi?*) - repeated, flat, relatively lower pitched, buzzy short bursts -
106 (from 2 birds chasing each other, courtship?)
- 848 **Fox Sparrow** (*stephensi*, Thick-billed) - song - 105, 106, 316
- 849 **Song Sparrow** - jv: wheezy, high "p'zeeee" - 316
- 850 **Lincoln's Sparrow** - song - 105, 316
- 856 **Dark-eyed Junco** - song - 001, 105, 316
- 877 **Black-headed Grosbeak** - subsong - 316
clear, whistled "wee-er" or "reeea" - 105, 316
soft "cheedle" (from 1 of a pair of feeder birds about the time they took flight, contact?)
- 316
jv: high tight trills with short pauses between - 105
- 879 **Blue Grosbeak** - subsong - 316
- 919 **House Finch** - nestling: harsh "churp" - 105
jv: "whree" - 316
- 926 **Lesser Goldfinch** - emphatic "jee-jee-jee" - 316
flight: thin, nasal "ee-ee" or "ee-ee-ee" - 316
jv: continuous high chirping - 105

Additional Sounds from Species Studied

- 927 **Lawrence's Goldfinch** - "ra-éh" or "whree-éé" (contact call) - 316
- 928 **American Goldfinch** - jv: emphatic downslurred "tieu" - 316
- 933 **House Sparrow** - jv: "chiup chiup" or "cheep cheep" - 316
(not clear how they differ from ad calls)

Appendix 3 - ID Numbers of People Who Submitted Reports

In most cases these were the ID numbers on the roll sheets, but for various (poor) reasons a few people were tallied under different numbers.

<u>ID No.</u>	<u>Name</u>
001*	Gallagher, Sylvia (instructor)
102*	Eastman, Bettina (118 on roll sheet)
103	Egger, Cheryl
104*	Grabenstein, Kate
105*	Gray, Linda
106*	Howard, Star
107	Kling, Pam
108*	Lithgow, Doug
202*	Biller, Matt
203	Blaine, Dorothea
205*	Cameron, Jennifer
207*	Gaffney, Jan (209 on roll sheet)
208	Fischer, Lucy
213*	Menzel, Sally
301*	Alazard, Mabel
302	Allen, Lisa
303*	Carota, Suzanne
304	Chiang, Sophie
306	D'Urso, Dan
312*	Muthamia, Dagmar
314*	Oneal, Amber
316*	Poucher, Roy
319*	Telfer, Laurel
320	Tischer, Christine
401	Kelly, John (210 on roll sheet)

**These people also submitted cards for additional sounds heard.*