This series focuses on recent taxonomic proposals—be they entirely new species, splits, lumps or reorganisations—that are likely to be of greatest interest to birders. The second instalment summarises proposals relating to tubenoses, terns, parrots, ovenbirds, and single owl, hummingbird, antbird, tyrant-flycatcher and tanager. Get your lists out!

**Procellaria petrel relationships**

The White-chinned Petrel *Procellaria aequinoctialis* (Vulnerable) is one of four traditionally recognised species of *Procellaria* petrels: White-chinned and Grey Petrels *P. cinerea* have circumpolar breeding distributions, whereas Westland *P. westlandica* and Black Petrels *P. parkinsoni* are confined as breeders to New Zealand. Back in 1998, Peter Ryan¹⁸ proposed to elevate the spectacled form of White-chinned Petrel to species status based on differences in plumage, morphometrics and vocalisations: Spectacled Petrel *P. conspicillata* breeds only on Inaccessible Island, Tristan da Cunha. In a follow-up study a decade later, Mareile Techow et al.²² found that mtDNA sequences supported species status for the Spectacled Petrel. Techow and colleagues (who included Peter Ryan) also revealed that the White-chinned Petrel has two regional populations, one ranging around New Zealand and the other throughout the South Atlantic and Indian Oceans.

**Sandwich Tern taxonomy resolved**

The classification of Sandwich Tern *Thalasseus sandvicensis* has been the subject of controversy for over a century. The three forms have been variously classified as subspecies or separate species: *T. s. sandvicensis* breeds on Atlantic and Mediterranean coasts of Europe; Cabot’s Tern *T. s. acuflavidus* breeds only on Inaccessible Island, Tristan da Cunha. In a follow-up study a decade later, Mareile Techow et al.²² found that mtDNA sequences supported species status for the Spectacled Petrel. Techow and colleagues (who included Peter Ryan) also revealed that the White-chinned Petrel has two regional populations, one ranging around New Zealand and the other throughout the South Atlantic and Indian Oceans.

**Cuban Bare-legged Owl gets a new generic name**

A pair of Antillean ‘screech owl’ species, Puerto Rican Screech Owl *Megascops nudipes* and Cuban Bare-legged Owl *Gymnoglaux lawrencii*, are notable for their unfeathered tarsi, lack of erectile ‘ear’ tufts and complicated taxonomic history. Storrs Olson and William Suárez¹⁴ have recently argued that the type species of the genus *Gymnoglaux*, usually stated as ‘Noctua nudipes’ Lembeye, 1850 (not *Strix nudipes Daudin, 1800*) is not valid as an independent name. Tracing the nomenclatural history, Olson and Suárez find the type species of *Gymnoglaux* to actually be the Puerto Rican Screech Owl. As a consequence, *Gymnoglaux* cannot be used as the genus for Bare-legged Owl, for which the authors propose a new genus, *Margarobyas*, a name whose components mean ‘pearl’ (a reference to Cuba, the ‘pearl of the Antilles’) and ‘owl’.

**Fewer tears for Glaucous Macaw?**

Glaucous Macaw *Anodorhynchus glaucus* is one of the most enigmatic species in South America. Known from southern Brazil, Paraguay, Uruguay...
and northern Argentina this macaw was recorded with certainty only twice in the 20th century, having declined precipitously over the previous century. Whilst it is generally considered to be extinct, BirdLife International treats it as Critically Endangered on the grounds that “persistent rumours of recent sightings, local reports and birds in trade indicate that a few birds may still survive”. Herculano Alvarenga presents a case for lumping Glaucous Macaw with the certainly still extant (albeit Endangered) Lear’s Macaw *A. leari*, which occurs in northern Bahia, Brazil; see Ciro Albano’s article on pp. 56–64). Alvarenga argues that the two species have no osteological differences and are only separable on subtle plumage characters. Moreover, fossil remains found in caves in Bahia and Minas Gerais, Brazil, indicate that the two forms once had a contiguous distribution up until at least 10,000 years ago. Lear’s Macaw, Alvarenga argues, could potentially be best treated as a subspecies of Glaucous Macaw.

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Editorial note: in the captions, we depart from our standard practice of following the South American Classification Committee for nomenclature and taxonomy, and follow the proposals of the papers summarised in this article.
Sulphur-breasted Parakeet has multiple aliases

Georges Louis Leclerc, the Comte de Buffon, was a French naturalist, mathematician, cosmologist and encyclopaedia author. In the 18th century Buffon published a seminal series of books on birds, describing and illustrating more than 1,000 species. Unfortunately, Buffon refused to adopt Linnaeus’s system of binominal nomenclature, so none of his names are available for modern nomenclature. Nevertheless, his descriptive text focused the attention of ornithologists on the importance of studying birds in their natural environment. Scholarly study of these works continues to overhaul conventional nomenclature, as André Nemésio and Claus Rasmussen⁰¹ have demonstrated for Sulphur-breasted Parakeet *Aratinga pintoi.*

Buffon’s ‘Guarouba’ or ‘Perriche jaune’ is illustrated in his magnificent *Histoire naturelle des oiseaux* and was interpreted by Buffon to be the same bird described by Marcgrave in the 17th century as ‘Guarouba’ or Quijubatu’. However, Buffon’s illustration, upon which Boddaert’s 1783 description of ‘Psittacus luteus’ was based, is not of a Sun Parakeet *Aratinga solstitialis,* but a similar species recently redescribed and named Sulphur-breasted Parakeet *Aratinga pintoi*.²¹

But the detective work does not end there. It transpires that another scientist used Buffon’s same plate to describe the same species, which he called ‘Psittacus maculatus’. This older and overlooked synonym of *P. luteus* is thus the valid name of this species. As such, *Aratinga maculata* (Statius Müller, 1776 comb. nov.) is the senior synonym of both *Psittacus luteus* (Boddaert, 1783 syn. nov.) and *Aratinga pintoi* (Silveira, Lima & Höfing, 2005 syn. nov.). Accordingly, in order to establish nomenclatural stability, Nemésio and Rasmussen designate the holotype of *Aratinga pintoi* as the neotype (a specimen chosen to serve as the single type specimen where an original holotype no longer exists, or where the original author never cited a specimen) of both *Psittacus maculatus* and *Psittacus luteus.* Got that?

Molecular chemistry of Brotogeris parakeets unravelled

Camila Ribas *et al.*¹⁷ recently published a molecular phylogenetic analysis of the *Brotogeris* parakeets. This resolved eight well-supported clades that agree with traditional morphology-
based species limits (so no ‘armchair ticks,’ sorry). However, the analysis offered little genetic support for morphologically diagnosed subspecies (so little prospect of armchair ticks either).

**Tapajos Hermit: a hybrid no more**

*Phaethornis* hermits are one of the most taxonomically challenging Neotropical genera—and can be tricky to identify too. Visitors to the rio Cristalino near Alta Floresta in the Brazilian Amazon may be familiar with the story of the unidentified hermit there. This small ‘reddish type’ hermit with a dark throat and with white margins to the outer rectrices was described as a subspecies of Little Hermit *Phaethornis longuemareus aethopyga*24. Subsequently Hinkelmann49 proposed that the three known specimens were hybrids between Reddish Hermit *P. ruber* and Streak-throated Hermit *P. rupurrumii amazonicus*. Vitor Piacentini and colleagues recently reappraised the status of this form on the basis of new specimens15. They reveal that this hummingbird has unique characters not found in the alleged parents, that it does not occur within the distribution of one of the purported parental species and that the form leks! The authors suggest that the form is best treated as a valid biological species, Tapajos Hermit *Phaethornis aethopyga*, endemic to the Tapajós river basin. The easiest places to see the species are at the Cristalino Jungle Lodge (Mato Grosso state) and at Pousada Rio Azul (Pará), where it is a scarce inhabitant of the understorey of *terra firme* forest.

**Patagonian Forest Earthcreeper is a good species**

The Patagonian Forest Earthcreeper *Upucerthia saturatior* occurs in *Nothofagus* beech forests of central-west Argentina and adjacent Chile. Described as a full species in 1900, it was quickly subsumed as a subspecies of Scale-throated Earthcreeper *U. dumetaria*. Nacho Areta and Mark Pearman4 defend the specific status of *U. saturatior* with a series of arguments. They note that there is no evidence of intergradation between *U. dumetaria* and *U. saturatior* (despite claims to the contrary). Areta and Pearman point out that there are consistent vocal differences between the taxa; the song of *U. saturatior* is three times slower than that of *U. dumetaria*, and their calls also differ. The authors also demonstrate consistent morphological differences in bill morphology, tail pattern, breeding habitat preferences (forest borders vs. shrubby steppe and open highlands) and migration patterns (trans-Andean vs. north–south routes). Although these differences might not seem huge, they exceed those between other established species pairs in the genus *Upucerthia*, namely between Plain-breasted Earthcreeper *U. felskii* and White-throated Earthcreeper *U. albigula*, and between Plain-breasted Earthcreeper and Buff-breasted Earthcreeper *U. validirostris*. The authors have shared their evidence base by archiving videos of the birds at http://ibc.lynxeds.com. The South American Classification Committee (SACC) has formally accepted the split.

**Bar-winged Cinclodes split**

Bar-winged Cinclodes *Cinclodes fuscus* is a common, widespread ovenbird that breeds from Tierra del Fuego to the northern Andes. Traditionally, nine subspecies have been defined, including four (*tucumanus*, *rufus*, *yzurietae* and *rielanus*) that occur in a relatively small area of north-west Argentina; this total excludes Cordoba Cinclodes *C. comechingonus* (endemic to Córdoba province, Argentina) which is treated as distinct by SACC but sometimes considered to be a subspecies of Bar-winged. Across its range, the species exhibits substantial variation in song, migratory behaviour and some plumage characteristics. Intrigued that the species’s long, narrow range might mean considerable genetic variation among populations, Camilo Sanín and colleagues19 examined sequences of two mitochondrial genes. This revealed three discrete and geographically coherent groups of ‘Bar-winged’ Cinclodes occupying the southern Andes (most of Argentina and Chile; taxon *fuscus*), central Andes (extreme and high-altitude northern Argentina, Bolivia and Peru; *albiventris/tucumanus* group) and northern Andes (Ecuador northwards; *albiventris* group).

Combining genetic data with available information on plumage, behavioural and vocal variation, the authors propose that the northern and southern clades be treated as distinct biological species. The southern, monotypic form would keep the name *C. fuscus*, and the northern form would become *C. albiventris*. Sanín et al. also propose that the central Andean group should be considered a different species, *C. albiventris*, pending new information to clarify species limits in this group.

These findings will not astonish readers of Jaramillo11, who treated ‘Buff-winged’ Cinclodes (*fuscus*) separately from ‘Cream-winged’ (*albiventris*) on account of migratory, plumage and vocal differences. Truly surprisingly, however, phylogenetic analyses indicated that these
A new spinetail from Venezuela

Long neglected by ornithologists, river islands have become one of the first places to look for those keen to describe birds new to science. On 3 January 1998, Steve Hilty was travelling along the río Orinoco in Venezuela. About 20 km south of Puerto Ayacucho, he heard a couple of unfamiliar vocalisations. One proved to be a spinetail in the genus Synallaxis, and, judging by its song, was clearly an undescribed species. A little over ten years later this bird has a name; the Rio Orinoco Spinetail Synallaxis beverlyae. The new species most closely resembles the widespread Pale-breasted Spinetail S. albescens with which it occurs sympatrically and differs chiefly in being paler and having a pale iris. The new spinetail’s vocalisations are most similar to Dark-breasted Spinetail S. albigularis, Cinerous-breasted Spinetail S. hyposodia and Spix’s Spinetail S. spixi, although they are diagnosably different from all. As far as is known, Rio Orinoco Spinetail is restricted to scrubby river-island vegetation and adjacent river edges in the lower and middle sections of the main channel of the río Orinoco in Venezuela and in adjacent Colombia. The species’s restricted range and probable vulnerability to any large scale river-engineering projects make it likely to be of conservation concern.

Skutchia no more

Pale-faced Bare-eye Skutchia borbæ is one of the jewels of the southern Amazon. Edwin Willis placed the bird in its own monotypic genus on the grounds of its distinctive morphology, the genus name honouring Alexander Skutch, the late, eminent ornithologist. In a new study, Alexandre Aleixo et al. evaluated the species’s phylogenetic position among core obligate army ant-following antbirds. They placed Skutchia consistently as sister to Black-spotted Bare-eye Phlegopsis nigromaculata and within a clade that additionally comprises the two other species of Phlegopsis. This conclusion was reinforced by the mapping of plumage characters originally used to diagnose Skutchia onto the group’s phylogeny. It appears that these characteristics have evolved convergently on multiple occasions among the core obligate army ant-followers. Unfortunately for the memory of Alexander Skutch, these results support the return of Pale-faced Bare-eye Skutchia as a monotypic genus. In a new study, Alexandre Aleixo et al. placed the bird in its own monotypic genus Skutchia, and, judging by its song, was clearly an undescribed species. A little over ten years later this bird has a name; the Rio Orinoco Spinetail Synallaxis beverlyae. The new species most closely resembles the widespread Pale-breasted Spinetail S. albescens with which it occurs sympatrically and differs chiefly in being paler and having a pale iris. The new spinetail’s vocalisations are most similar to Dark-breasted Spinetail S. albigularis, Cinerous-breasted Spinetail S. hyposodia and Spix’s Spinetail S. spixi, although they are diagnosably different from all. As far as is known, Rio Orinoco Spinetail is restricted to scrubby river-island vegetation and adjacent river edges in the lower and middle sections of the main channel of the río Orinoco in Venezuela and in adjacent Colombia. The species’s restricted range and probable vulnerability to any large scale river-engineering projects make it likely to be of conservation concern.

RECENT SACC DECISIONS

Here we list some of the most interesting taxonomic decisions made recently by the South American Classification Committee (SACC; for which see Neotropical Birding 2: 21–23 and www.museum.lsu.edu/~Remsen/SACCBaseline.html), the recognised authority on the taxonomy, systematics and nomenclature of South American birds (but not for other parts of the Neotropical region).

SPLITS

Gartered Trogon Trogon caligatus split from Violaceous T. violaceus; White-tailed Trogon T. chionurus split from Green-backed Trogon T. viridis; and Ecuadorian Trogon T. mesurus split from Black-tailed Trogon T. melanurus.

Pernambuco Foliage-gleaner Automolus lammii split from White-eyed Foliage-gleaner A. leucophthalmus.

Santa Marta Foliage-gleaner Automolus rufigipes split from Ruddy Foliage-gleaner A. rubiginosus (see Neotropical Birding 5: 17–18).

Red-eyed Thornbird split into Orange-breasted Thornbird Phaeolodomus ferrugineigula and Orange-eyed Thornbird P. erythrophthalmus.

Ecuadorian Thrush Turdus macullostris split from Spectacled Thrush T. nudigenis.

Gray-throated Warbling Finch Poospiza cabinisi split from Red-rumped Warbling Finch P. lateralis.

Warbler Finch, a Galapagos endemic, split into Gray Warbler Finch Certhidea fuscus and Green Warbler Finch C. olivacea.

LUMPS

Lara Tapaculo Scytalopus fuscicauda lumped with Merida Tapaculo S. meridanus (see Neotropical Birding 5: 19).

Narosky’s Seedeeater Sporophila zelichi is not a valid species (see Neotropical Birding 5: 21).

NO CHANGE

‘Puna Hawk’ Buteo poecilochrous not split from Variable Hawk B. polysoma.

‘Cundinamarca Tapaculo’ Scytalopus infasciatus not split from Mattoral Tapaculo S. griseicollis (see Neotropical Birding 5: 19).

‘Cobb’s Wren’ Troglydytes cobbii not split from House Wren T. aedon.

‘Cerulean-streaked Mountain Tanager’ Dubusia stictocephala not split from Buff-breasted Mountain Tanager D. taeniata.
Left: Patagonian Forest Earthcreeper *Upucerthia saturatior*, Lagunas de Epulauquen, Neuquén, Argentina (Juan Ignacio Areta); split from Scale-throated Earthcreeper *U. dumetaria*


Sorry, no armchair ticks here
‘Buff-winged’ Cinclodes *Cinclodes fuscus* (left), Ushuaia, Tierra del Fuego, Argentina and ‘Cream-winged’ Cinclodes *C. albiventris* (right), La Quiaca, Jujuy, Argentina (James C. Lowen; www.pbase.com/james_lowen). Evidence suggests that the forms are specifically distinct.

Warbling Doradito *P. flaviventris* (left), Rincón de Cobo, Buenos Aires, Argentina (James C. Lowen; www.pbase.com/james_lowen) and ‘Lemon Doradito’ *Pseudocolopteryx cf. citreola* (right), Lago Nihuil, San Rafael, Mendoza, Argentina (Raúl Mauro Ábalos): differences in vocalisations argue for a split.

House Wrens *Troglodytes aedon* in Argentina: (left) Parque Nacional Iguazú, Misiones (James C. Lowen; www.pbase.com/james_lowen) and (right) Cabo de San Pablo, Tierra del Fuego (Santiago Imberti/Seriema Nature Tours). These individuals may look similar, but is more than one species involved?
to the genus *Phlegopsis* where it was originally placed. Time then for someone to describe a new species by which to honour Skutch...

### A new cryptic doradito?

Four *Pseudocolopteryx* doraditos inhabit the Southern Cone of South America. Warbling Doradito *Pseudocolopteryx flaviventris* is monotypic, but Raúl Abalos and Nacho Areta\(^1\) recently found that two phenotypically identical populations differed in several bioacoustic and morphometric characters. They provisionally call the cryptic taxon ‘Lemon Doradito’ *P. cf. citreola*; it occurs in western Argentina and central Chile. The authors contrast the vocalisations of the Argentina population (transcribed as ‘tick tick tick tick-tick-you’) with the song of *P. f. flaviventris* (‘u-eet-u, u-eet’). Both forms are highly responsive to playback of their own vocalisations but not to the vocalisations of the other form. The authors note that the two forms accompany their singing with different head movements. The form *citreola* is migratory, being found in Mendoza province only from October–March. Habitat preferences also differ. Although nest architecture appears to be identical, the eggs of *P. cf. citreola* are speckled, a characteristic that may be unique for the genus. The authors suggest that the two forms should be considered as separate species. (For details on where to see ‘Lemon Doradito’ around Santiago de Chile, see Fabrice Schmitt’s article on pp. 28–35.)

### Opal-rumped Tanager should be split

Opal-rumped Tanager *Tangara velia* is widespread in Amazonian and Atlantic Forests and comprises at least four subspecies. The most distinctive is *Tangara velia cyanomelaena* of the Brazilian Atlantic Forest. Claydson Assis \(^2\) et al.\(^5\) looked at the variation in plumage colour within the group. Using descriptive statistics they were able to unequivocally separate *T. v. cyanomelaena* on morphological differences (notably sky-blue breast and flanks) from all other members of the genus. Morphometric analysis indicated that *T. v. cyanomelaena* differed subtly from other members of the *T. velia* complex. Given clear plumage differences and inferred long-term independent evolution allopatrically in the Atlantic Forest, the authors suggest that *T. cyanomelaena* should be treated as a separate species under the phylogenetic species concept, a treatment already favoured by Sibley\(^15\) under the English name Silver-breasted Tanager.

### Trawling for new species using DNA barcodes

Kevin Kerr et al.\(^12\) recently undertook an ambitious study of the DNA barcodes of 500 Argentinian birds and compared their patterns of genetic diversity with those of North American species. Only nine species studied could not be distinguished using barcodes: three were *Muscisaxicola* ground tyrants (which are paraphyletic and have low interspecific divergence) and the remaining six are *Sporophila* seedeaters that are believed to have diverged within the past half-a-million years. The study also revealed that some species may be being overlooked. Examples include forms within White-crested Tyrannulet *Serpophaga subcristata* (see the comments on *Serpophaga griseicapilla* in the first ‘Splits, lumps and shuffles’ article in *Neotropical Birding* 5: 20) and House Wren *Troglodytes aedon*. The latter possessed three distinct (COI) lineages with divergences as high as 5%; several species-level taxa are likely to be involved. Populations of Red-eyed Vireos *Vireo olivaceus* in north-east and north-west Argentina showed up to 3.1% sequence divergence, but both COI lineages occurred at one north-east site. The authors conjecture that this region might represent either an area of sympatry between reproductively isolated species or a contact zone between phylogeographic groups. White-bearded Manakins *Manacus manacus* have four colour forms that are sometimes regarded as different species. Specimens from Parque Nacional Iguazú in Misiones province included two COI groups with 3.5% divergence. Intriguingly, males of both lineages were collected from a single lek suggesting that the divergent groups represent a rare case of deep intra-specific divergence. Such exploratory analyses would seem to be an excellent way of searching for cryptic species. This author bets he is not alone in wondering how many new species might be discovered in Amazonia by using such molecular genetic techniques...


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