Acanthaceae to T. Daniel,

Dec. 2015

California Academy of Sciences

Tom Daniel

Herbarium
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55 Music Concourse Drive Golden Gate Park
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**2014 collections, July to Dec.**

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| **Col. #** | **Prov. determination** | **Determiner** | **Final determination by T. Daniel** |
| 1983 | Thunbergia alata Bojer ex Sims | Jonathan D. Amith (based on previous det of photo only) | ! as determined |
| 2074 | Ruellia sp. | Tom Daniel (to genus from photo; emails of 13 August 2014) | Final determination: Ruellia longepetiolata (Oerst.) Hemsl. vel. aff. [this is the same as your number 1282 (at CAS) and Daniel et al. 12213 from our trip last October; it lacks any glandular trichomes but otherwise has the characters of R. longepetiolata; it is possible that it is a new species! I will do some more checking (e.g., against R. dipteracanthus--for which I have the type here somewhere, and species in Veracruz). If it is new, we could describe it together, if you like. Stay tuned. |
| 2100 | Justicia aurea Schltdl. | Jonathan D. Amith (based on Indigenous name and previous collection) | ! as determined |
| 2138 | Justicia carnea Lindl | Jonathan D. Amith; stet! Tom Daniel (from photo) | Final determination: Justicia carnea Lindl.  [Like some of your informants, I assume that this is from a cultivated source, unless it has naturalized locally, and from there brought into the botanical garden; I am not aware of it having naturalized in Mexico (or elsewhere in North America--it is grown outdoors here in SF).  |
| 2126 | Stenostephanus haematodes (Schltdl.) T.F. Daniel | Jonathan D. Amith (based on previous det) | ! as determined |
| 20092 | Stenostephanus haematodes (Schltdl.) T.F. Daniel | Jonathan D. Amith (based on det of previous col) | ! as determined |
| 20392 | Stenostephanus haematodes (Schltdl.) T.F. Daniel | Jonathan D. Amith (from photo) | ! as determined |

While at Fairchild Bot. Gard. in Miami, I paid close attention to their plantings of Justicia spicigera. They had both the densely-flowered (flowers in big headlike clusters) form with large, sessile leaves and the form with much more loosely-flowered inflorescences and smaller leaves with petioles. Although the flowers look identical, the plants look rather different. I think these are the two entities that were brought to me (both sterile) last October by one of your staff (and the one with big sessile leaves did not yield dye and the smaller-leaved one with petiolate leaves did yield dye). See attached photos of plants at Fairchild (neither of which was labelled). It makes me think that we could be dealing with two taxa here. It will be great to get fertile material from your project of both of these.