The languages of Melanesia: Quantifying the level of coverage

Harald Hammarström
Max Plank Institute for Evolutionary Anthropology

Sebastian Nordhoff
Max Plank Institute for Evolutionary Anthropology

The present paper assesses the state of grammatical description of the languages of the Melanesian region based on database of semi-automatically annotated aggregated bibliographical references. 150 years of language description in Melanesia has produced at least some grammatical information for almost half of the languages of Melanesia, almost evenly spread among coastal/non-coastal, Austronesian/non-Austronesian and isolates/large families. Nevertheless, only 15.4% of these languages have a grammar and another 18.7% have a grammar sketch. Compared to Eurasia, Africa and the Americas, the Papua-Austronesian region is the region with the largest number of poorly documented languages and the largest proportion of poorly documented languages. We conclude with some discussion and remarks on the documentational challenge and its future prospects.

1. Introduction. We will take Melanesia to be the sub-region of Oceania extending from the Arafura Sea and Western Pacific in the west to Fiji in the east – see the map in figure 1.¹ This region is home to no fewer than 1347 (1315 living + 32 recently extinct) attested indigenous languages as per the language/dialect divisions of Lewis (2009), with small adjustments and adding attested extinct languages given in table 1.

¹ The authors wish to thank two anonymous reviewers for helpful comments.
<table>
<thead>
<tr>
<th>Action</th>
<th>Language</th>
<th>Location</th>
<th>Living/Extinct</th>
<th>Brief Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Added</td>
<td>Bai of Miklucho-Maclay</td>
<td>PNG, Madang</td>
<td>Presumed Extinct</td>
<td>Not the same as Dumun (Z’graggen 1975:13-14)</td>
</tr>
<tr>
<td>Added</td>
<td>Nori</td>
<td>PNG, Sandaun</td>
<td>Extinct</td>
<td>Not the same as Warapu (Corris 2005, Donohue &amp; Crowther 2005, Wilkes 1926)</td>
</tr>
<tr>
<td>Added</td>
<td>Kaniet of Dempwolff</td>
<td>PNG, Manus</td>
<td>Presumed extinct</td>
<td>Not the same as Kaniet of Thilenius (Blust 1996)</td>
</tr>
<tr>
<td>Added</td>
<td>O’oku</td>
<td>PNG, Northern Province</td>
<td>Presumed Extinct</td>
<td>Seemingly a Yareban language (Ray 1938a)</td>
</tr>
<tr>
<td>Added</td>
<td>Butam</td>
<td>PNG, New Britain</td>
<td>Extinct</td>
<td>Laufer 1959</td>
</tr>
<tr>
<td>Added</td>
<td>Pauwi of Stroeve and Moszkowski</td>
<td>Indonesia, Papua</td>
<td>Presumed Extinct</td>
<td>May have been a mixed village (Moszkowski 1913), but in any case not the same as Robidé van der Aa’s Pauwi (Robidé van der Aa 1885) which we count as Yoke [yki]</td>
</tr>
<tr>
<td>Added</td>
<td>Batanta</td>
<td>Indonesia, Raja Ampat</td>
<td>Presumed Extinct</td>
<td>Remijsen (2002:42) cites reports of unintelligibility with neighbouring languages and data appears in Cowan (1953)</td>
</tr>
<tr>
<td>Added</td>
<td>Mansim</td>
<td>Indonesia, Bird’s Head</td>
<td>Rumours of c.50 speakers in the Manokwari area</td>
<td>Reesink 2002</td>
</tr>
<tr>
<td>Added</td>
<td>Binahari-Ma</td>
<td>PNG, Northern Province</td>
<td>Alive</td>
<td>Arguably a different language from Binahari-Neme (Dutton 1999)</td>
</tr>
<tr>
<td>Added</td>
<td>Nese</td>
<td>Vanuatu</td>
<td>Alive</td>
<td>Crowley 2006a</td>
</tr>
<tr>
<td>Added</td>
<td>Womo-Sumararu</td>
<td>PNG, Sandaun</td>
<td>Alive</td>
<td>Donohue and Crowther 2005</td>
</tr>
<tr>
<td>Removed</td>
<td>Dororo [drr]</td>
<td>Solomon Islands</td>
<td>Extinct</td>
<td>Not different from Kazukuru (Dunn and Ross 2007)</td>
</tr>
</tbody>
</table>
Languages of Melanesia ~ quantifying coverage

Melanesian languages on the edge of Asia: Challenges for the 21st Century

<table>
<thead>
<tr>
<th>Action</th>
<th>Language</th>
<th>Location</th>
<th>Living/Extinct</th>
<th>Brief Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Removed</td>
<td>Guliguli</td>
<td>Solomon Islands</td>
<td>Extinct</td>
<td>Not different from Kazukuru (Dunn &amp; Ross 2007)</td>
</tr>
<tr>
<td>Removed</td>
<td>Makolkol</td>
<td>PNG, New Britain</td>
<td>Possibly Extinct</td>
<td>Unattested (Stebbins 2010:226)</td>
</tr>
<tr>
<td>Removed</td>
<td>Wares</td>
<td>Indonesia, Papua</td>
<td>-</td>
<td>Unattested or same as Mawes [mgk] (Wambaliau forthcoming)</td>
</tr>
<tr>
<td>Removed</td>
<td>Yarsun</td>
<td>Indonesia, Papua</td>
<td>-</td>
<td>Unattested or same as Anus [auq] or Podena [pdn] (van der Leeden 1954)</td>
</tr>
</tbody>
</table>

Table 1. Adjustments concerning the languages of Melanesia to the language catalogue of Lewis (2009). We have not added totally unattested, very poorly attested languages (e.g., Ambermo, attested in two numerals, Fabritius 1855), or once attested languages whose attestation has disappeared (e.g., Rutan, only 3 words now remaining, Crowley 2006b:3).

Figure 1. Map of Melanesia adapted from http://en.wikipedia.org/wiki/Melanesia accessed 10 July 2011. The countries present in Melanesia are Papua New Guinea, Indonesia, Fiji, France (New Caledonia), Solomon Islands and Vanuatu.
The present paper seeks to describe the current state of description of the languages of Melanesia in detail (in the online appendix at http://scholarspace.manoa.hawaii.edu/bitstream/handle/10125/4559/melanesia_appendix.pdf) and in general (in the body of the paper) based on a database of annotated bibliographical references. This database of references, called LangDoc (Hammarström & Nordhoff 2011), spans the entire world but we restrict it to the Melanesian subset in the present survey.

2. Assessing Status of Description. To assess status of description we first a) collect all relevant bibliographical references, b) annotate them as to (target-)language and type (grammar, wordlist etc), and c) for each language, mark its status of description according to the most extensive or sum description it has.

2.1. Collecting References. Language documentation and description is, and has been, a decentralized activity carried out by missionaries, anthropologists, travellers, naturalists, amateurs, colonial officials, and not least linguists. In order to comprehensively collect all relevant such items, we have, in essence, gone through all handbooks and overviews concerning the Melanesian region, in the hope that specialists on families and (sub-)regions have the best knowledge on what descriptive materials actually exist. This is supplemented by a) intensive searching as to (sub-)regions for which there is no recent expert-written handbook/overview paper and b) whole-sale inclusion of relevant existing bibliographical resources such as the WALS, the SIL Bibliography, SIL Papua Guinea Bibliographies, the library catalogue of MPI EVA in Leipzig and so on – see Hammarström and Nordhoff (2011) for a little more detail regarding this procedure and alternatives.

Everything published by a locatable publisher has been included as well as MAs and PhDs since they should, in principle, be findable via the national library or the degree-giving institution. However, field notes, manuscripts, self-published items and items published by a local bible society have not been included since they cannot be located systematically. In our experience, locating manuscripts too often turns out to be a wild goose chase and including them in the current survey would do more harm than good, in particular, it would give a false picture of the state of (accessible) description. However, we have included a small number of manuscripts and/or fieldnotes where the item in question has been posted on the internet and/or is verified to be located in a publicly accessible archive (e.g., the KITLV in Leiden), and thus meets the accessibility criterion.

It should be stressed, however, that the amount of original and valuable data sitting in unpublished form is highly significant. To give just a few examples, Capell (1962) cites a large number of missionary manuscripts from the islands east of the Papuan mainland, the archives of the SIL in Jayapura and Ukarumpa (cf. Silzer & Heikkinen-Clouse 1991) hold a huge number of unpublished survey wordlists and/or grammar sketches spanning (in our impression) at least 50% of the languages of Melanesia, and linguists Mark Donohue and William Foley have unpublished field data from Indonesian Papua and the Sepik-Ramu region respectively which is enough for several full grammars and dozens of grammar sketches (p.c. Mark Donohue 2008 and William Foley 2010). If unpublished material is included, the descriptive picture of the languages of Melanesia changes significantly, especially on the breadth side, with far more data on the lesser-known languages (cf. Carrington 1996).

In total, the bibliographical database contains 11 290 references pertaining to Melanesia.
2.2. Annotation. Bibliographical references are annotated as to identity, i.e., the iso-639-3 code of the language(s) treated, and type of description, i.e., grammar, wordlist etc. As to type, the following hierarchy has been used:

- grammar: an extensive description of most elements of the grammar: 150 pages and beyond
- grammar sketch: a less extensive description of many elements of the grammar 20–150 pages (typically 50 pages)
- dictionary: 75 pages and beyond
- specific feature: description of some element of grammar (i.e., noun class system, verb morphology etc)
- phonology: phonological description with minimal pairs
- text: text (collection)
- wordlist: a couple of hundred words
- minimal: a small number of cited morphemes or remarks on grammar
- sociolinguistic: document with detailed sociolinguistic information
- comparative: inclusion in a comparative study with or without cited morphemes, e.g., lexicostatistical survey
- handbook/overview: document with meta-information about the language (i.e., where spoken, non-intelligibility to other languages etc.)
- ethnographic: ethnographic information on the group speaking a language

The hierarchy is an ad-hoc amalgam of existing annotation, automatizability properties and bias towards typologist usage (with grammar at the top, trumping text and dictionary, and form-function pairs rated higher than sociolinguistic information). It is in many ways imperfect, but it is more informative than nothing. Other existing schemas could not be felicitously adopted, e.g., Moore (2007:33) is similar to the present scheme but credits the existence of various types (scientific articles, dissertations, etc.) rather than their actual content, and AIATSIS (2011:285-297) is also similar to the present scheme but so much more detailed (several hundred categories including vocabulary/animals, vocabulary/body parts, etc.) that it could not be automatized or done by hand within the scope of the present project. Bibliographical references in the present project have been annotated both automatically and by hand. Some examples are shown in Table 2.
Table 2. Examples of the annotation scheme used in the present survey.

Automatic annotation is possible when the title words contain the language name and/or word(s) revealing the type of the document, e.g., “A grammar of Tauya” can be automatically recognized as [tya] and grammar. Exactly how this is done and what percentages of correctness are to be expected is described in Hammarström (2008, 2011).

For most references, number of pages is recorded, and is used to rank within categories.

2.3. Status of Description per Language. For each language, the references concerning it are aggregated and its status of description is straightforwardly assessed as
per the annotation hierarchy. In addition, for the purposes of the current presentation, it has been simplified into a more distilled scheme as per Table 3.

<table>
<thead>
<tr>
<th>type</th>
<th>distilled type</th>
<th>numerical value</th>
</tr>
</thead>
<tbody>
<tr>
<td>grammar</td>
<td>Grammar</td>
<td>4</td>
</tr>
<tr>
<td>grammar sketch</td>
<td>grammar sketch</td>
<td>3</td>
</tr>
<tr>
<td>dictionary</td>
<td>phonology/dictionary/specific/text</td>
<td>2</td>
</tr>
<tr>
<td>text</td>
<td>phonology/dictionary/specific/text</td>
<td>2</td>
</tr>
<tr>
<td>specific feature</td>
<td>phonology/dictionary/specific/text</td>
<td>2</td>
</tr>
<tr>
<td>wordlist</td>
<td>wordlist or less</td>
<td>1</td>
</tr>
<tr>
<td>minimal</td>
<td>wordlist or less</td>
<td>1</td>
</tr>
<tr>
<td>sociolinguistic</td>
<td>wordlist or less</td>
<td>1</td>
</tr>
<tr>
<td>comparative</td>
<td>wordlist or less</td>
<td>1</td>
</tr>
<tr>
<td>handbook/overview</td>
<td>wordlist or less</td>
<td>1</td>
</tr>
<tr>
<td>ethnographic</td>
<td>wordlist or less</td>
<td>1</td>
</tr>
<tr>
<td>&lt;type annotation lacking&gt;</td>
<td>wordlist or less</td>
<td>1</td>
</tr>
</tbody>
</table>

Table 3. The full- and distilled description level hierarchy used in the present survey.

There may be missing extant references and manual as well as automatic annotation has gaps and errors. The claim we are able to make is that at least the status of description for every language should be correct. That is, the outcome has been screened at the language level by an informed human, and inasmuch as errors of omission and annotation remain, they do not alter the (correct) status of description of any language. Thus, for a language which only has a published wordlist to its documentation it may be that there are several wordlists published, but only one of them is accurately reflected in the database (accurately reflecting the others would not change the status of description away from wordlist), and, if a language is given a certain status of description, the claim is that there is, in reality, no other descriptive publication that would give it a higher mark. Of the publications that are the witness to the status of description of a language (the most significant items of description) 95% have been personally inspected by the authors, but, since this was done over a long period of time it is no guarantee of consistency and we are not in a position to assess the quality of a description.

It should be noted again that the above hierarchy reflects descriptive status and has a bias towards typologist usage. For example, a language that has a grammar, dictionary and text collection will be ranked the same (grammar) as a language with only a grammar, even though the former is better documented overall. An index of overall documentation (e.g., with points separately for grammatical-, lexical- and textual documentation) could be computed from the same database. We do not do this for the present survey since we cannot venture the same claim of completeness as with the grammar-oriented scheme above. In other words, the database screening is likely to have missed cases of missing texts and dictionaries for languages which already have a grammar (sketch). The database is released to the public so that others who are more interested in overall documentation can complete the database and compute figures of their own.
The fact that “grammar” is the highest weighted category of description should not be taken to mean that a language with a grammar is completely described – it merely means that it is the highest category of grammatical description that is commonly distinguished by linguists, i.e., there are as yet no descriptions that are called “super-grammars” or the like. However, grammars can be more or less comprehensive and a correlate of this (with validity only on average) may be the number of pages, which is recorded in the present database. Nor is length more than a rough proxy for quality and comprehensiveness – it would rank a rambling and obtuse document above a concise and elegant one – but it has the virtue of being operationalisable and applicable to the data we have.

3. Status of Description of Melanesian Languages. Results of the full survey are given in the online appendix (http://scholarspace.manoa.hawaii.edu/bitstream/handle/10125/4559/melanesia_appendix.pdf), sorted by family, author and language. We review the generalities here.

<table>
<thead>
<tr>
<th>Level of Description</th>
<th>Living</th>
<th>Extinct</th>
<th>Total</th>
<th>Total as Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>grammar</td>
<td>207</td>
<td>0</td>
<td>207</td>
<td>15.4%</td>
</tr>
<tr>
<td>grammar sketch</td>
<td>245</td>
<td>7</td>
<td>252</td>
<td>18.7%</td>
</tr>
<tr>
<td>phonology or sim.</td>
<td>107</td>
<td>2</td>
<td>109</td>
<td>8.1%</td>
</tr>
<tr>
<td>wordlist or less</td>
<td>756</td>
<td>23</td>
<td>779</td>
<td>57.8%</td>
</tr>
</tbody>
</table>

**Table 4. Raw number of languages in Melanesia and their level of description.**

**Figure 2.** The location and description level of Melanesian languages. The colour coding is grammar = green, grammar sketch = orange or light gray (if extinct), phonology or sim. = orange red or slate gray (if extinct), wordlist or less = red or black (if extinct).
Raw numbers of languages described to various degrees are shown in table 4 and a map is shown in figure 2. The numbers speak for themselves, yet the most conspicuous fact is that more than half of the languages of Melanesia have only a wordlist or less of published descriptive material. Any non-trivial generalizing statement concerning the grammar of languages of Melanesia can only be at most half-fully grounded empirically. For example, Wurm (1954), drawing on data and experience from Capell, was acquainted with all Melanesian languages described at the time, and lists some 20 tone languages, whereas surveys of tone on New Guinea half a century later (Cahill 2011, Donohue 1997) turn up far more and far different tonal languages in Melanesia.

Historically speaking, early wordlists were catalogued superbly by Ray (1893, 1912, 1914, 1919, 1920, 1923, 1926, 1929, 1938a, 1938b) for the entire Melanesian area, and the history of research has been adequately surveyed qualitatively by area experts (Beaumont 1976, Chowning 1976, Dutton 1976, Grace 1976, Haudricourt 1971, Healey 1976, Hooley 1976, Laycock 1975, 1976, Laycock and Voorhoeve 1971, Lincoln 1976, Lithgow 1976, Lynch and Crowley 2001, Schütz 1972, Taylor 1976, Tryon and Hackman 1983, Voorhoeve 1975b, Z’graggen 1976). We supplement these with some quantitative results in Figure 3. As can be seen, language description in Melanesia takes off in the second half of the 19th century with travellers, colonial officers, and missionaries producing wordlists. From there description increases at a steady pace, due mostly to missionaries and German scholars. A sharp rise in the number of items produced every year, and a corresponding (but less sharp) increase in the overall descriptive status, happens after 1950, presumably due to the establishment of the SIL in Papua New Guinea (Hooley 1968, Foley 1986:13). The pace has since been kept up mainly by SIL missionaries and academic linguists in Australia and other western countries. Very little has so far been produced by Melanesians themselves; notable exceptions include Flassy (2002), Nekitel (1985), Sumbuk (1999). There are more than a dozen languages whose corresponding ethnic groups have a monograph-length ethnographic description, yet the languages are not described beyond a wordlist, e.g., Gnau [gnu] (Lewis 1975) or Banaro [byz] (Juillerat 1993).
Figure 3. The upper diagram shows the raw number of publications per year concerning languages of Melanesia. The lower diagram shows the average description level as it increases through time.
In the early times, languages near the coast were much better known than inland languages. At the present time, this correlation is much diluted. Table 5 shows the median and average distances (as the crow flies) to the coast for the various levels of description, which shows little difference. The slight tendency for grammars to be written of languages nearer to the coast is not statistically significant for average distances, but it is so for median distances. This means that half of the languages with grammars are within 14.97 kms to the coast whereas half of the languages of other categories are 10-15% further away, and that languages with grammars that are not near the coast (the exceptions) are so far away that they blur the tendency on average. This overall lack of a stronger trend must be taken to mean that flight and river access inland, balances the amount of neglected languages on the coast and immediate coastal hinterlands.

As is well-known, the languages of Melanesia divide into two classes, the Austronesian languages (522 languages) and the non-Austronesian languages (825 languages). The Austronesian languages are more coastal (average 12.79 kms and median 9.92 kms from the coast) than the Papuan ones (average 67.92 kms and median 44.66 kms), but since there is only a weak or no trend that favours the description of coastal languages, we can check fairly easily if there is a bias towards the description of Austronesian or non-Austronesian languages. Figure 4 shows that, historically, there was a long time during which AN languages were better described on average (presumably due to being coastal) and in recent times the slightly higher level has been regained. The current average level of description for AN languages in Melanesia is 2.04 against 1.84 for non-AN languages. The difference is slight but highly significant $p=0.002$. The difference is hardly due to the tendency for full grammars to be coastal, as the AN languages have higher representation at all levels (beyond wordlist) as per Table 6. We do not know what the reason for this bias is.
It is difficult to say which is the best described language of Melanesia as that would require a quality judgment that we are not in a position to make. However, the description with the largest number of pages is Lichtenberk (2008)’s 1409-page grammar of To’aba’ita.
(an Oceanic Austronesian language of the Solomon Islands). In fact, it is also the longest
grammar of any lesser-known language in the world, in terms of number of pages devoted
to grammatical description. The second longest grammar of a language of Melanesia is
Aikhenvald (2008)'s 727-page grammar of Manambu (a Ndu language). As far as can be
told with documents accessible to us, the least described languages whose existence seems
certain enough, are Kehu [khh] and Kembra [xkw], two seemingly isolated languages
in Indonesian Papua. Kehu is known from from two unpublished minuscule wordlists
(Moxness 1998, Whitehouse n.d.) at least one of which is from a non-native speaker, and
Kembra is known from a minuscule wordlist taken up from a transient speaker by Doriot
(1991) attributed to a village named Kembra near the confluence of the Sobger and Nawa
(Kiambra appears at the right place on a colonial map, Hoogland 1940).

Arguably the most prolific author of descriptive work on Melanesian languages has
been the Dutch Catholic priest Petrus Drabbe (Voorhoeve 2000) who can count to his
name no less than 4 languages with grammars, another 19 with grammar sketches and
wordlists for 6 more spanning a range of different families. Linguist Terry Crowley wrote
6 grammars and 9 grammar sketches of Austronesian languages before his premature death
in 2005. Linguists such as Arthur Capell, Stephen Wurm, Sidney Ray, Malcolm Ross,
J. C. Anceaux, J. A. Z’Graggen, Darrell Tryon and C. L. Voorhoeve have between them
published wordlists (or similar bits of information) of several hundred languages, either
collected themselves or by others.

A current discussion among linguists as to priorities for documentation – the context
being that time is running out – is whether to describe an undescribed isolated language or
whether to describe an undescribed language from a family with other described languages.
At present, we count 45 language isolates for the Melanesian region (see Hammarström
2010a,b:appendix for a justification of this figure). The 45 isolates have an average
description level of 2.20 and the 1 298 non-isolates have 1.91. The difference, however, is
not statistically significant at conventional levels of significance ($p=0.070$). That is, there
is no overall principle at work that has favoured the description of isolates rather than non-
isolates. Nevertheless, there is a conspicuously large absolute number of underdescribed
isolates and small families in the Melanesian region, especially lowland New Guinea – see
Hammarström (2010b) for details.

4. MELANEsIAN LANGUAGES IN RELATION TO THE REST OF THE WORLD. The
bibliographical database LangDoc spans the entire world in a fairly uniform way, allowing
us to compare Melanesia to other conventional macro-areas of the world. The total
database contains over 160 000 references collected and annotated in much the same way
as the Melanesian subpart (Hammarström and Nordhoff 2011). Although the Eurasian,
Australian and Meso-American sections have not been screened as thoroughly as the other
areas yet, the general trends of the comparisons with Melanesia should still be trustworthy.
For this section, we will consider all Papuan-Austronesian languages together, not just the
Melanesian ones, in order to appropriately cover all of the world’s languages. This entails
that the Eurasia figures do not include the Austronesian languages of South East Asia, the
Philippines and Indonesia. Figures are shown in Table 7.
In absolute terms, Papua+Austronesian has the largest number of languages with only a wordlist to their documentation. In relative terms, Papua+Austronesian has the lowest proportion of grammars, the highest proportion of languages with only a wordlist or less, and the lowest average level of documentation. The Melanesia subpart scores slightly lower on all relative accounts. Therefore, Papua+Austronesian, and the languages of Melanesia in particular, can rightly be called the linguistically least known area of the world.

5. 21st Century Challenges in Documentation. As is clear from the figures above, a formidable challenge for linguistic science is to provide descriptions of the vast number of un(der)described languages in the Melanesian region before it is too late.

On the optimistic side, a) the trend from the past century predicts a continued large production of grammatical descriptions and, b) it seems, impressionistically, that people from a wider array of countries of the world are taking interest in the Melanesian languages, and c) infrastructure in Melanesia is making it easier to reach and live in otherwise remote areas.

On the pessimistic side, a) at the same pace as infrastructure is developing the languages become endangered, b) violence, tropical diseases, visa/permit-matters and lack of funding continue to deter Westerners from in situ fieldwork, c) harnessing of local talent and interest, and the training of linguists from the region, remains extremely undeveloped, and d) large amounts of descriptive work never reach the scientific community, as if such materials had no scientific merit.

A few comments are in order.

Table 7. The number of languages at various levels of description broken up by macro-areas. The numbers outside brackets refer to strictly living languages and those within brackets refer to extinct. The last row gives the proportion of living languages with only a wordlist of less.
The failure of local interest to develop into active descriptive work is not endemic to Melanesia per se, but is widespread in all of the language-rich countries of the world. However, exceptions such as Brazil and Ethiopia show that it is possible for local universities and communities to take a productive interest in local languages.

In addition to unpublished materials alluded to above, many valuable descriptive works are difficult to access, in particular, a large number of unpublished PhD and MA-theses. PhD and MA theses are in many instances the most extensive description there is of a language. Many universities (for instance, the Australian National University) that regularly keep MA-theses do not allow interlibrary loans of them precisely when theirs is the only copy. Other universities, including the convenors of the 3L Language Documentation school, i.e., Leiden University, Université Lumière Lyon II and SOAS, either do not regularly keep awarded MA theses at all, or do not keep them in a manner that allows systematic access (such as the Department library or the main University library). Perhaps the most blatant example of a university in antipathy of its scientific production actually being used is Université Libre de Bruxelles, as the first author experienced personally after making the trip to Bruxelles to read the presumably only library copy of Levy (2002)’s PhD grammar of Nubia-Awar - by far the most extensive description of that language. According to regulations, nobody – be it registered library card holders or visitors – is allowed to read this thesis (let alone borrow or photocopy from!) without the written consent of the author.

Similarly, finished documents and reports from SIL Papua New Guinea and SIL Indonesia cannot be systematically accessed, although many items have been made accessible in publication series and other outlets. Dissemination is a scientific principle, and scholarly institutions – be they missionary organizations or universities – that actively or passively restrict access to, or effectively let scientifically valuable documents be thrown away, do not fully merit the label ‘scientific institution’. If descriptive work continues to be disvalued in the above exemplified ways, there is less incentive for more descriptive work to be produced.

Apart from first-hand descriptive fieldwork, there are less obvious ways in which one can contribute to the description of Melanesian languages. A non-trivial number of languages of Melanesia have scripture translations, i.e., bodies of text with translation, but no published grammatical descriptions. The languages for which scripture translations are said to exist are given in Lewis (2009). Partial but substantial analyses of grammar can be done on the basis of text data from scripture translations, without fieldwork in situ. Comparative and typological work on languages of Melanesia can help generate interest in producing more detailed descriptions. The digital era allows for tools on management, annotation and interoperability of language resources which can free up time for strictly human-needed analysis for language description. And, if nothing else, publishing or making available legacy resources is a valuable contribution. Prime examples are the publication of Anceaux’s gigantic wordlist collection from Indonesian Papua by Smits and Voorhoeve (1992a, 1992b, 1994, 1998), and the digitization of Arthur Capell and Donald Laycock’s fieldnotes from Papua New Guinea by PARADISEC (see Thieberger & Barwick, this volume).

6. ConcluSion. 150 years of language description in Melanesia has produced at least some grammatical information for almost half of the languages of Melanesia, almost evenly spread among coastal/non-coastal, Austronesian/non-Austronesian and isolates/
large families. Nevertheless, only 15.4% of these languages have a grammar and another 18.7% have a grammar sketch. Compared to Eurasia, Africa and the Americas, the Papua-Austronesian region is the region with the largest number of poorly documented languages and the largest proportion of poorly documented languages.

REFERENCES


Languages of Melanesia — quantifying coverage


Smits, Leo & C. L. Voorhoeve. 1994. The J. C. Anceaux collection of wordlists of Irian Jaya languages B: Non-Austronesian (Papuan) languages (Part I) (Irian Jaya Source Material No. 9 Series B 3). Leiden-Jakarta: DSALCUL/IRIS.


van der Leeden, Alexander Cornelis (see Leeden).


Whitehouse, Paul. n.d. Type-up of anonymous Kehu wordlist from SIL Indonesia (the wordlist presumably comes from Ron Baird in the 1980s). Unpublished ms.


Harald Hammarström
h.hammarstrom@let.ru.nl

Sebastian Nordhoff
sebastian_nordhoff@eva.mpg.de