Did you have a *choccie bickie* this arvo? A quantitative look at Australian hypocoristics

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**A R T I C L E  I N F O**

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**A B S T R A C T**

This paper considers the use and representation of Australian hypocoristics (e.g., *choccie → chocolate, arvo → afternoon*). One-hundred-and-fifteen adult speakers of Australian English aged 17–84 years generated as many tokens of hypocoristics as they could in 10 min. The resulting corpus was analysed along a number of dimensions in an attempt to identify (i) general age- and gender-related trends in hypocoristic knowledge and use, and (ii) linguistic properties of each hypocoristic class. Following Bybee’s (1985, 1995) lexical network approach, we conclude that Australian hypocoristics are the product of the same linguistic processes that capture other inflectional morphological processes.

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1. Introduction

Much has been made of the peculiarities of Australian English (AusE). It has often been claimed that the local dialect can be rather difficult for non-AusE speakers to understand (e.g., McAndrew, 1992). Such difficulty cannot solely be attributed to differences in accent, since the language contains literally thousands of lexical items that are alternative to the standard English forms. Indeed, there is a veritable cottage industry of dictionaries of Australian slang, beginning with Professor Afferbeck Lauder’s (1965) tongue-in-cheek *Let Stalk Strine*, and culminating in publications such as the *Dinkum Dictionary* (Butler, 2009) and the *Macquarie Slang Dictionary* (Lambert, 2004), which are produced as much for humorous as documentation purposes.

The current paper focuses on Australian hypocoristics, such as *choccie, arvo*, and *brekkie*. These are colloquial forms that have the same denotation and often share some of the same form as the standard word that they denote, but differ from the standard form in their formality and sometimes in their connotation. Most are characterised by the fact that they clip the base form and add a morpheme, usually *–o, –ie/y, –a/er*, or the more recent *–s*, as shown in (1)–(4).

(1) Service station → servo.
(2) Cigarette → ciggie.
(3) Sandwich → sanga.
(4) Mobile phone → mobes.

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1 Professor Afferbeck Lauder was the nom de plume of Alistair Morrison, an artist and humorist. When pronounced in a heavy Australian accent his pseudonym sounds like ‘alphabetical order’.

2 Others such as McAndrew (1992) and Wierzbicka (1986) have called these forms ‘diminutives’; however, we follow Simpson (2001, 2004) in calling them ‘hypocoristics’.

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Hypocoristics are used in most if not all dialects of English. What is peculiar about AusE is the large number of hypocoristics and the frequency of their use across different social situations. In spoken AusE many of these terms are used with higher frequency than their standard forms, it is not uncommon to hear them in conversations amongst adults, and even politicians use them when attempting to gain cachet with the electorate (e.g., Smith, 2010). Hypocoristics are also commonly used in New Zealand English (Bardsley and Simpson, 2009).

The pervasive use of hypocoristic forms in AusE has generally been interpreted to reflect the cultural ideals of informality, mateship, and egalitarianism. Despite being common in AusE, the use of hypocoristics is often derided for being uneducated and unrefined (Kidd et al., in preparation; McAndrew, 1992; for a brief historical perspective see Sussex, 2004), which is indicative of a “cultural cringe” towards distinctly Australian behaviours. In this paper we argue that, far from being a quirk of the dialect of a restricted category of speakers (i.e., the uneducated and unrefined), this class of words are known and used by a majority of the Australian speaking community, and are in many ways subject to same types of morphological processes as standard words.

1.1. Past research on hypocoristics

Moore (2008) notes that the first recorded instances of hypocoristics were in the 19th century, with exemplars of both the –o and –ie morpheme. The earliest recorded use of the –o morpheme was in spell-o, ‘a call signalling a break from work’ (later replaced by smoko), and the earliest recorded of the –ie morpheme (in AusE) was schoolie, which was used to refer to a school teacher. The 20th century saw an explosion of the use of these forms: Simpson (2004) reports on an analysis of 1740 different forms collected over a number of decades from a variety of sources (e.g., directly from speakers, other publications, media, and general observation). More comprehensively still, Sussex (2004) reports having collected some 4300 forms, estimating that hypocoristics make up some 4% of the types of Australian lexis.3 Such reports suggest that the use of the hypocoristic morphemes became productive over the course of the last century. Below we review some of the past attempts to categorise these forms. In our discussion we exclude proper and place names, which have been considered in detail elsewhere (Dabke, 1976; Mühlhäuser, 1983; Simpson, 2001; Taylor, 1992; Wierzbicka, 1986).

Dabke (1976) provided one of the first comprehensive studies of the morphology of AusE, in which she considered hypocoristics. In particular, she described the use of the –ie and –o morphemes, gleaned from observation and interviews with 11 native speakers from various backgrounds. Although her analysis was purely descriptive, it provides us with a starting point from which to work. Structurally, Dabke distinguished between base forms that are clipped before a suffix is added (e.g., commie → communist; journo → journalist), and those that add the target morpheme to the base word, which is typically one syllable in length (e.g., kiddie → kid). She argued that in the former case suffixation does not alter the meaning of the base form, whereas in the latter case it often does. She also noted the apparent flexibility of the morphemes which, although mostly used to modify nouns, can be derived from other parts of speech, including verbs and adjectives. Finally, Dabke attempted to identify the major semantic fields to which the hypocoristics she observed belonged. She lists specific occupations (e.g., postie → postman, garbo → garbage collector), terms for sports people (e.g., surfie → surfboard rider, yachty → person who sails yachts), an animal’s condition (e.g., gummy → without teeth, dopey → tired, slow), and, rather broadly, objects and actions.

Wierzbicka (1986) wrote briefly about hypocoristics, which she called ‘depreciatives’, and attempted to formulate precise semantic meaning for both the –ie and –o suffixes using Natural Semantic Metalanguage (NSM). Specifically, she argued for the following definitions of each (5 and 6).

(5) –ie (e.g., prezzie, mozzie)
I don’t want to think much about X.
I think that you think of X like I do.
Speaking about it with you I feel something special.

(6) –o (e.g., demo, Salvo)
I don’t think of it like people think of things they don’t know about.
I think you think of it like I do.
Speaking of it I don’t want to use long words.

Therefore, Wierzbicka suggested that these two morphemes can be distinguished by the fact that the –ie morpheme is used in cases where the object or action in question is downgraded in importance, and where a speaker selects an informal register to establish common ground. In contrast, she suggests that the –o morpheme is used when speakers talk of common and mutually understood topics, and therefore prefer to shorten their pronunciation.

McAndrew (1992) also discussed the –ie and –o morphemes. Like Wierzbicka (1986), he attempted to categorise the two into broad semantic classes, but also discussed subclasses. He referred to words in the –ie class as diminutives or ‘lovables’, and words in the –o class as pejoratives or ‘unlovables’. Let us consider this categorisation in more detail.

3 Although Sussex (2004) reports to have documented 4300 forms, the actual number of head words that can be used to form hypocoristics will be less than this number, since some heads take multiple hypocoristic morphemes (e.g., afternoon → arvo, aftie, arv, afto).
McAndrew (1992) argues that, in general, words belonging to the –ie class represent “mostly elegant, affectionate, and familiar” concepts (p. 174). Within this superordinate category he describes five subclasses. Words in the first subclass are argued to denote ‘expressions of mateship and affection’, which largely includes terms for people and vocations; for instance, wharfie (waterside worker), tradie (tradesperson), sparkie (electrician), and yuppie (young urban professional). Words in the second subclass denote ‘terms of familiarity and informality’, which include largely inanimate objects or animals common to Australian life, such as cozie (swimming costume), barbie (barbecue), maggie (maggpie), and pokies (poker machines). The third subclass McAndrew calls ‘terms of rebuke’, which include terms like pollie (politician), blowie (blowfly), and bikie (motorcyclist). The fourth subclass are ‘mirage suffixes’, which, although they conform to the general structure of this type of hypocoristic (in general, disyllabic and ending in –ie), are not hypocoristics because they do not undergo any morphological change. Examples include humpy (a small make-shift shelter) and gladdie (gladiolus). The final class are adjectival nouns such as smoothie, quickie, and toughie, which tend to act as shorthand for a pronominal adjectival construction (e.g., ‘that’s a tough one’).

In contrast to the –ie suffix, McAndrew (1992) argues that the ‘unlovable’ terms formed using the –o suffix are ‘coarse, vigorous, excessive, and used more by males’ (p. 174). He argues that words in this superordinate category fall into five subclasses. The first subclass is ‘terms of contempt and ridicule’, which includes terms like reffo (refugee), abo (aboriginal), dago (Southern European), and homo (homosexual). The second subclass is ‘terms of laziness and carelessness’. This category includes terms such as garbo (garbage collector) and demo (demonstration). The third category is ‘terms of excess’, which includes terms such as aggro (aggressive), berko (to go beserk), and wino (alcoholic). The fourth is, once again, ‘mirage suffixes’ such as smoko (work break), demo (demonstration), and physio (physiotherapist). The final rather small category McAndrew calls the ‘Tall Poppy Syndrome’, in which, in keeping with Australian tradition, he argues that the –o suffix is used to criticise public figures and movements (e.g., Cathos for Catholics).

Although McAndrew’s (1992) analysis is wide-reaching, in reality these categories have fairly fuzzy boundaries that seem to resist neat categorisation. For instance, yuppie is more often used in a derogatory sense than to express mateship and affection. Similarly, the argument that terms such as garbo and demo are used because speakers of AusE are lazy and careless and like to shorten words should not just apply to one category, but to the whole class of hypocoristics in general, thereby leaving the members of this class without a home. Regardless, McAndrew touched upon some strong trends in the data: the –ie suffix does tend to be used to refer to many occupations, and the –o suffix is very often used in a derogatory sense. He also provided a valuable insight into the formal features of the base words that lead to the selection of either morpheme. McAndrew observed that words of Anglo-Saxon origin, which tend to be short, often take the –ie suffix, whereas words of Latin origin, which tend to be longer, most often take the –o suffix. This leads to the prediction that word length is one key determinant of morpheme selection, at least between these two morphemes.

Simpson (2004) argued that hypocoristics are best explained using a templatic approach. She proposed two templates: (i) a two-syllable template in which the base form is reduced to its first syllable and a diminutive suffix is added (e.g., conductor → con + ie = connie), and (ii) a monosyllabic template for cases where base forms are shortened to the first syllable (e.g., pavlova → pav). She categorised her corpus into nine classes, largely based on Taylor’s (1992) work on abbreviation in Australian names. These categories are listed, in order of their frequency in Simpson’s corpus, in Table 1.

The templatic approach captures the fact that a majority of Australian hypocoristics are two syllables in length regardless of the length of their base form. It also explains why speakers of AusE frequently offer words such as demo and humpy, which belong to McAndrew’s (1992) ‘mirage suffixes’ category, as examples of hypocoristics. Clearly speakers of AusE treat these as the same as hypocoristics that require morphological composition. What the templatic approach does not predict, however, is morpheme selection. That is, what leads to the selection of the –a morpheme over the –ie morpheme? We attempt to address this question in the current study.

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*Simpson’s (2004) nine categories of hypocoristics.*

<table>
<thead>
<tr>
<th>Template</th>
<th>Hypocoristic</th>
<th>Base form</th>
</tr>
</thead>
<tbody>
<tr>
<td>/ie/</td>
<td>Syllable + /ie/</td>
<td>coldie</td>
</tr>
<tr>
<td>/o/</td>
<td>Syllable + /o/</td>
<td>journie</td>
</tr>
<tr>
<td>1 syl</td>
<td>One-syllable</td>
<td>ump</td>
</tr>
<tr>
<td>/s/</td>
<td>Syllables + /s/</td>
<td>mohes</td>
</tr>
<tr>
<td>2 syl</td>
<td>Two syllables</td>
<td>chyranth</td>
</tr>
<tr>
<td>Acr</td>
<td>Acronym</td>
<td>E</td>
</tr>
</tbody>
</table>

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4 McAndrew (1992) provides a very interesting, though speculative diachronic explanation for this fact, which need not concern us here.
1.2. The current study

The current research had several aims. Firstly, we aimed to collect a corpus of hypocoristics from a large cross-sectional sample of speakers of AusE. Previous studies of hypocoristics have used opportunistic sampling, collecting tokens when they arose over long periods; by asking a large number of people to produce hypocoristics we hoped to add to the literature by documenting current trends in hypocoristic use in AusE across several generations of speakers. Secondly, using our corpus we aimed to (i) evaluate the past analyses of Australian hypocoristics, (ii) analyse the corpus for age- and gender-related trends, and (iii) analyse any discernible linguistic features of the hypocoristic types that we observed.

2. Method

2.1. Participants

The participants were 115 individuals aged from 17 to 84 years (M = 41.2 years, SD = 21.1 years), living in South-Eastern Australia (Hobart and Melbourne). Most participants (94.8%) had lived in Australia all their lives, and the remaining had lived in Australia, on average, for half of their lives (M = .50; SD = .35). For the purposes of analyses the sample was divided into three ‘generational’ groups: (i) 17- to 39-year-olds (N = 61, 15 males, 46 females), who had a mean age of 24.0 years (SD = 6.5 years), (ii) 40- to 59-year-olds (N = 27, 9 males, 18 females), who had a mean age of 49.4 years (SD = 6.3 years), and (iii) 60- to 84-year-olds (N = 27, 8 males, 19 females), who had a mean age of 72.1 years (SD = 6.7 years). We refer to the youngest group as ‘Young’, the middle age group as ‘Middle-aged’, and the eldest age group as ‘Older’. The participants were either undergraduate Psychology students (n = 41) who participated for course credit, or friends and work colleagues of the authors. Since the sample was recruited using an opportunistic method, there were more female than male respondents (82:33). Thus all of the analyses involving gender were performed on percentage rather than numerical data. With the exception of the Young group, who almost exclusively had completed or were undertaking university education, our sample was drawn from a broad cross-section of Australian society, with a range of educational and socio-economic backgrounds.

2.2. Materials and procedure

Participants were given a brief explanation of how Australians “like to abbreviate their words”. They were provided with a number of examples that were drawn from the categories analysed in the current paper. The examples were choccie → chocolate, Tassie → Tasmania, arvo → afternoon, aggro → aggressive, Bazza → Barry, Maccas → MacDonalds, roo → kangaroo, and ump → umpire. Although these examples were provided to the participants, we included these in our analyses if the participants listed them (with the exception of the proper nouns, which we did not analyse). Their inclusion did not alter the results in any appreciable manner. The participants were then asked to write down as many such abbreviations as they could think of in 10 min on a numbered sheet of paper. Participants completed this exercise in their own time and returned their response sheets to the experimenters. The data were collected between May 2009 and April 2010.

3. Results

The participants’ responses were coded according to Simpson’s (2004) categories, as outlined in Table 1. There were, however, a few exceptions. As we were only concerned with common nouns, we did not include Simpson’s The category (e.g., The Don, for Donald Bradman), since it is almost exclusively used for proper nouns. Secondly, we did not include acronyms, since we were more interested in the morphological processes involved in hypocoristic formation.

3.1. Descriptives

The Young age group provided an average of 25.9 (SD = 16.5) hypocoristic tokens. The Middle-aged group provided an average of 26.1 (SD = 16.4), and the Older group provided an average of 17.9 (SD = 10). Females (M = 24.2, SD = 16.9) provided more tokens on average than did males (M = 20.9, SD = 10.7). This trend was true for both the Young (females: M = 27.9, SD = 17.7; males: M = 19.7, SD = 9.9) and Middle-Aged groups (females: M = 28.2, SD = 19.3; males: M = 21.9, SD = 7.0), whereas the opposite was the case for the Older group (females: M = 16.4, SD = 6.1; males: M = 21.0, SD = 15.3). However, a series of non-parametric Kruskal–Wallis and Mann–Whitney U-tests showed that these gender differences were not statistically significant for the entire sample, and nor were they for individual age groups. There were, however, age differences in the data (χ² = 7.15, df = 2, p = .028). Post-hoc Mann–Whitney U-tests showed that, whereas the Young and Middle-aged group did not differ from each other (U = 807.5, z = .15, p = .89), both of these groups provided significantly more hypocoristic tokens than did the Older group (Young > Older: U = 586.5, z = 2.15, p = .032, Middle-aged > Older: U = 201.0, z = 2.83, p = .005).
positive. To be sure, this category includes four distinctly affectionate terms of endearment (Simpson (2004). The 10 most frequent forms were...

<table>
<thead>
<tr>
<th>Form</th>
<th>Young No.</th>
<th>Rel. %</th>
<th>Middle-aged No.</th>
<th>Rel. %</th>
<th>Older No.</th>
<th>Rel. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ie]</td>
<td>113</td>
<td>31</td>
<td>82</td>
<td>42.3</td>
<td>95</td>
<td>56.9</td>
</tr>
<tr>
<td>[o]</td>
<td>35</td>
<td>9.6</td>
<td>27</td>
<td>13.9</td>
<td>32</td>
<td>19.2</td>
</tr>
<tr>
<td>1 syl</td>
<td>103</td>
<td>28.2</td>
<td>44</td>
<td>22.7</td>
<td>20</td>
<td>12.0</td>
</tr>
<tr>
<td>[a]</td>
<td>30</td>
<td>8.2</td>
<td>5</td>
<td>2.6</td>
<td>7</td>
<td>4.2</td>
</tr>
<tr>
<td>[as]</td>
<td>2</td>
<td>0.5</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0.6</td>
</tr>
<tr>
<td>2 syl</td>
<td>43</td>
<td>11.8</td>
<td>18</td>
<td>9.3</td>
<td>8</td>
<td>4.8</td>
</tr>
<tr>
<td>[s]</td>
<td>21</td>
<td>5.8</td>
<td>7</td>
<td>3.6</td>
<td>2</td>
<td>1.2</td>
</tr>
<tr>
<td>Start-removed</td>
<td>18</td>
<td>4.9</td>
<td>11</td>
<td>5.7</td>
<td>2</td>
<td>1.2</td>
</tr>
<tr>
<td>Total</td>
<td>365</td>
<td></td>
<td>194</td>
<td></td>
<td>167</td>
<td></td>
</tr>
</tbody>
</table>

Table 2 shows the distribution of hypocoristic types for each age group. Table 2 shows that the distribution of hypocoristic types differs slightly across the three generations of speakers. Three trends are immediately obvious. Firstly, there is an increase in the number of –ie and –o forms with age, suggesting that these two morphemes may be used less in younger generations. In contrast, the use of one-syllable and two-syllable types decreased with age, suggesting that these forms may be gaining ground on the two more traditional –ie and –o forms. Finally, we point out that although the Young age group provided many more types than did the other two generational groups, it does not necessarily mean that there are more forms in use among young people. In fact, when the number of participants in each group is controlled, the participants in the Young age group provided an average of 6.1 individual types, whereas participants in the Middle-aged and the Older groups provided an average of 7.2 and 6.4, respectively.

Next we present the type-token ratios for each category by age group. Type-token ratio is a measure of lexical diversity within a particular category. It is simply calculated by dividing the number of types by the number of tokens for any one category. Since the number of types will always be equal to or less than the number of tokens, the type-token ratio will always be a number between 0 and 1. The higher the type-token ratio, the greater the lexical diversity in that category. Table 3 lists the type-token ratios for each hypocoristic category by age group.

Table 3 shows that hypocoristic use within each category is similar across the three age groups; all groups produced examples of each category at around the same rate and with the same degree of within-category diversity. At first blush this suggests fairly stable use across the three generations. The one exception appears to be the –o form, which is used more often and with more diversity by the Young age group. We now consider each category in more detail.

3.2. –ie morpheme

This is the largest class of hypocoristics in terms of both type and token frequency, consistent with other findings by Simpson (2004). The 10 most frequent forms were footy → football (44), bickie → biscuit (40), brekkie → breakfast (37), telly → television (37), veggie → vegetable (22), barbie → barbecue (22), mozzie → mosquito (17), ciggie → cigarette (15), sunnies → sunglasses (14), and undies → underwear (13). All of these forms were very common across the three age groups. The group is made up almost exclusively of nouns, although there were three forms that can be used as adjectives (guvvie → government, exi → expensive, iffy → suspect). Semantically, this group is what McAndrew (1992) called the “lovlables”, due to their tendency to associated with friendship and familiarity. Wierzbicka (1986) analysed this category as similarly positive. To be sure, this category includes four distinctly affectionate terms of endearment (lovey, matie, sweetie, missie). However, this morpheme is most often used in two contexts: for artifacts (85/184 = 46.2%) (e.g., bickie → biscuit, boar-dies → board shorts, pressie → present, tinnie → can of beer) and to describe people (56/184 = 30.1%), mainly occupations (e.g., carnie → carnival worker, chippie → carpenter, hostie → hostess, sparkie → electrician). Although mostly affectionate, some terms have clear negative connotations (e.g., druggie → drug addict, parkie → aboriginal person who lives in an urban park). However, our data mostly concur with the arguments made by McAndrew and Wierzbicka. Wierzbicka’s analysis should almost certainly be taken to refer to the pragmatics of hypocoristic use in addition to semantics, in which case forms that have clearly negative connotations still function to afford a level of familiarity and shared perspective between speakers.

The other group with a substantial number of members were terms used to describe events (15/184 = 8.2%) (e.g., Chris-sie → Christmas, footie → football, pissie → ‘a piss-up’ or a party where people drink a lot of alcohol, walkies → walking the dog).

3.3. –o morpheme

The –o morpheme is what McAndrew (1992) the ‘unlovables’, so called because they are purported to be “coarse, vigorous, excessive, and used more by males” (pp. 174). The 10 most frequent forms were servo → service station (19), gar-bage collector (19), arvo → afternoon (18), muso → musician (14), ambo → ambulance worker (12), smoko → break from work (11), bottlo → liquor store (or ‘bottle shop’) (9), derro → derelict person (9), and milko → milkman (6). Rather than being purely ‘unlovable’ terms, the majority of these high frequency forms encode occupations or describe classes of people.
This trend is mirrored in the category in general, where 25/56 (44.6%) of the – o suffix hypocoristics describe a category of person. Just over half of these (14) have some negative connotations or uses (e.g., alco → alcoholic, lezzo → lesbian, derro → derelict, povo → poverty-stricken), but the remainder do not (e.g., ambo → ambulance worker, journo → journalist, deso → designated driver, muso → musician). The other two major category within this class are terms for artifacts (14/56 = 25%, e.g., doco → documentary, flanno → flannelette shirt, metho → methylated spirits, rego → registration) and states (6/56 = 10.7%, e.g., aggro → aggressive, berko → beserk/angry, troppo → crazy). This latter category most often describe negative attributes.

McAndrew (1992) observed that words that take the – ie morpheme and ones that take the – o morpheme to form hypocoristics have different etymological roots. In particular, those that take the – ie morpheme have Germanic roots, whereas those that take the – o morpheme have Latin roots. Indeed, as McAndrew pointed out, these morphemes have roots as diminutives in German and French. The average Australian, of course, does not speak enough of either language to argue for a direct effect of either language on hypocoristic formation or use. McAndrew (1992) suggested that instead it must be the length of the base word that contributes to morpheme selection, since Latinate words are generally longer than Germanic words. We tested this prediction by statistically comparing the number of syllables of each base word between these two categories. For this analysis only words that entered into putatively ‘regular’ morphological processes were included (e.g., alco → alcoholic, lezzo → lesbian, derro → derelict, povo → poverty-stricken), since irregular forms such as carpenter → chippie are not predictable from their base forms. McAndrew's prediction was borne out: the base forms of words that take the – ie morpheme (M = 3.1 syllables, SD = 1.4) contained significantly more syllables than did words that take the – o morpheme (M = 2.5, SD = .96), U = 3503.0, z = 3.09, p = .002. In contrast, there was no difference when the number of syllables of the hypocoristic forms of the two groups was compared (U = 4649.5, z = 1.14, p = .26). This is because, consistent with observations made by Simpson (2004), both categories tended to be accommodated within a 2-syllable template (– o morpheme: M = 2.04, SD = .19, – ie morpheme: M = 2.01, SD = .11).

The selection of the two morphemes can also be distinguished by the frequency with which they encode the two main semantic categories: people and artifacts. A chi-square analysis showed this difference to be significant (χ² = 7.53, p < .01). That is, words that take the – i morpheme are more likely to encode an artifact, whereas words that take the – o morpheme are more likely to encode a person or attribute.

Finally, we tested whether McAndrew’s (1992) prediction that males use more ‘unlovables’ than do females. Overall, this did not seem to be the case (females: M = 1.7, males: M = 1.97). However, use of this form interacted with age. Whereas Young females (M = 1.41) listed more than did Young males (M = 1.07), Middled-aged males (M = 3.0) provided twice as many on average than did Middle-aged females (M = 1.5). Older males (M = 2.75) provided slightly more than Older females (M = 2.5).

3.4. One-syllable

The one-syllable hypocoristics are, by definition, abbreviations of the base forms, corresponding to Simpson's (2004) second template category. The most frequent in our corpus were psych → psychology (10), comp → competition/computer (9), sis → sister (9), bro → brother (8), mag → magazine (8), ref → referee (8), doc → doctor (6), mic → microphone (6), and ump → umpire (6). As shown by the type-token ratio analysis, this category had many low frequency members. Indeed, our highest frequency example psych is almost certainly due to the fact that many of our participants were psychology students or worked in psychology departments. This category also seems to be growing in use: whereas the Older group only provided an average of 1 token each, the Middle-aged and Young group provided an average of 2.2 and 3.1, respectively.

3.5. Two-syllable

Like the one-syllable category, the two-syllable category had several mostly low frequency members. The most frequent items were uni → university (18), info → information (6), and demo → demonstration (4). Again, there were age effects in the data: participants in the Young (M = 1.02) and Middle-aged (M = 0.96) groups provided on average an equivalent number, whereas the Older group provided fewer on average (M = 0.6).
3.6. –a morpheme

The –a morpheme category is marked by the large number of irregular forms inhabiting this category. Twenty-seven out of 35 tokens (≈77%) were either suppletive (e.g., banger → sausage, beeper → sexually promiscuous female, franger → condom) or require a stem change (e.g., mozzer → mosquito, no wukkers → no worries, sanga → sandwich, steeza → stereo). This category only had two high frequency members: cuppa → cup of tea (29) and sanga (16). The use of this category was evenly distributed across the three age groups, with participants in the Young group providing an average of 0.85 tokens, the Middle-aged participants 0.56, and the Older group 0.7.

3.7. –s category

This very small category, containing only 3 members: champers → champagne (3), preggers → pregnant (1), and snippers → scissors (1). Although not included in our analyses, this category seems to be almost exclusively reserved for proper nouns (e.g., Sydneys → Sydney, Honkers → Hong Kong, Sainters → St Kilda Football Club).

3.8. Syllable + –s category

The syllable + –s category is marked by a large number of monosyllabic forms: 21/28 (77%) in total. The most frequent members in the category were: maybs → maybe (4), mobes → mobile phone (4), peeps → people (4), fuggers → very ugly (4), whatevs → whatever (4), defs → definitely (3), and probs → probably (3). These forms were more common in the Young (M = 0.54) and Middle-aged groups (M = 0.37) than in the Older group (M = 0.07).

3.9. Start-removed

This is another small category that was more common in the Young (M = 0.56) and Middle-aged (M = 0.56) groups than in the Older group (M = 0.15). The most frequent forms were roo → kangaroo (13), nana → banana (6), and puter → computer. The hypocoristic forms were almost evenly split between 1 (54%) and 2 syllable (46%) forms.

4. Discussion

Our aim was to collect a representative sample of hypocoristic use from a large cross-sectional sample of speakers, and to use the sample to (i) identify usage trends across our defined age groups, (ii) evaluate some of the hypotheses that have been proposed in the literature but have not been tested, and (iii) identify any other discernible trends in the data. We first discuss our main findings, and then consider the wider linguistic implications of this phenomenon.

The first and most general conclusion we can draw from our data is that people across a broad range of ages and backgrounds know and presumably use hypocoristics. We observed some age-related differences in the use of hypocoristics. In particular, whereas it seems that the –o form is being used less by younger speakers than by older speakers, younger speakers used more one- and two-syllable forms. The reason for this is unclear. It could be that the –o form is slowly falling out of usage. A closer inspection of the data from the Young age group provides support for this assertion. If we divide this group into two to form (i) 17- to 30-year-olds, and (ii) 31- to 40-year-olds, we find a striking difference in their overall usage of the –o morpheme. The 17- to 30-year-olds provided an average of 0.76 tokens of this form, whereas the 31- to 40-year-old group provided an average of 3.3 tokens. The opposite trend was observed for the one-syllable forms: the 17- to 30-year-old group provided an average of 3.8 tokens, whereas the 31- to 40-year-old group provided an average of 1.73 tokens. With one exception (def ↔ defo ↔ definitely), there is no overlap in the words that inhabit these two categories, which suggests that the change in the youngest participants may be either a stylistic preference or simply due to the content of their everyday usage. That is to say, the youngest group generally use terms such as diff → difference, hon → honey, and pash → passionate (kiss) more than they use terms such as ambo → ambulance driver, derro → derelict, and preg → pregnant. This is a matter for future sociolinguistic study.

We also provided support for McAndrew’s (1992) prediction that word length affects the selection of the –ie and –o morpheme. Additionally, we also showed that the two categories differ in the extent to which they encode artifacts (–ie > –o) and human-related categories (–o > –ie). This suggests that the –o suffix most commonly acts as an agentive marker. In contrast, the –ie suffix most commonly functions in a manner closest to traditional diminutive insofar as, following Wierzbicka (1986), their use conveys interpersonal warmth while diminutivising the object of interest. The –ie suffix also has an agentive function (e.g., druggie → drug addict, groupie → band follower, foodie → person with a deep interest in food). These forms most likely take the –ie suffix because their base forms are short, following the general trend for base form length being a good predictor of morpheme type, at least between these two morphemes, which are the two most common types. These observations lead us to suggest that the use of different hypocoristic morphemes must be dually determined by morphophonemic and semantic processes. We expand on this point below. Our argument is that, although Australian hypocoristics appear to constitute a messy linguistic category that defies neat analysis, they exhibit signature properties common to other inflectional systems.
Any attempt to account for the mental representation of Australian hypocoristic forms must deal with the following (messy) facts. Firstly, although there are tendencies, no single morphological process in this class can be said to map onto a unique semantic attribute. Secondly, any explanation must accommodate the fact that some forms have multiple hypocoristic forms (e.g., garbie ↔ garbo → garbage collector, commie ↔ commo ↔ communist, preggers ↔ preg → pregnant), many of which do not differ discernibly in meaning. Bybee’s (1985, 1988, 1995) lexical network model of morphology provides a solid theoretical basis that accommodates these potential problems. The model argues that morphological structure is an emergent property of the organisational structure of the lexicon. Lexical items are stored according to two properties: semantics and phonology. Fig. 1, modified from Bybee (1988), shows a simplified example using the lexical items cat, cats, mats.

In Fig. 1 the thick lines illustrate strong phonological and semantic overlap between phonemes. The thinner lines denote phonological overlap. We suggest that Australian hypocoristics are naturally explained by Bybee’s model as lexical entries that are connected to both their base forms and other hypocoristics. We argue for this theoretical treatment by pointing out that hypocoristics share one striking similarity with other inflectional processes – a cline of regularity that interacts with semantic transparency. Consider, for instance, English past tense morphology. Just as we have regular past forms (e.g., walk → walked), zero-marked forms (e.g., hit → hit), irregular stem change past forms (e.g., ring → rang), and suppletive past forms (e.g., go → went), we have the same processes in hypocoristic formation. Regular processes such as cigarette ↔ ciggie, nightdress → nightie, alcoholic → alco, registration → rego, mobile → mobes, probably → probs are directly predictable from their stems. As we have shown, regular hypocoristics that take either the –ie or –o morpheme conform to Simpson’s (2004) two-syllable template, and morpheme selection is determined by the length of the base form, in addition to the probable semantic factors described by McAndrew (1992) and Wierzbicka (1986). The syllable +s category differs from the previous two insofar as the hypocoristic forms are mostly one-syllable in length, and the category itself seems to be expanding. As such, there are likely to be connections between the –ie and –o forms, but perhaps less so between these forms and the syllable +s category. Consider Fig. 2.

Fig. 2 shows a hypothesised lexical network for the hypocoristics connie, commie, cozzie, commo, combo, and compo. We see that all six forms share the same onset, and individually share a number of other phonological features, such as bilabial consonants in their second syllable. The network itself unifies the two hypocoristic morphemes through the different denotations of communist, thus illustrating a semantic connection. In Fig. 2 we make two links between the two morphemes. The first is between the two hypocoristic forms commie [kɒmiː] and commo [kɒmoʊ]. This link is a solid line that is intended to indicate (i) semantic overlap insofar as they are both hypocoristic morphemes that in this instance mean something very similar, and (ii) phonological overlap insofar as both morphemes are vowels. The second link is between the /ɪ/ in cozzie and the /ɒ/ in commo. This is a broken line that indicates the same degree of phonological overlap as observed in the previous case, but a lesser degree of semantic overlap. That is, in this case the two morphemes both belong to the superordinate class of hypocoristic morphemes. Note that the link between the two morphemes in cozzie and commo has been arbitrarily selected; a fully specified schematic would also have links between the two morphemes in combo and compo.

Irregular forms abound among Australian hypocoristics, most of which are suppletive. Among these suppletive forms there are islands of both phonological and semantic regularity. One particularly notable group includes chippie → carpenter; sparkie → electrician, wharfie → waterside worker, brickie → bricklayer, and navvie → sailor. These forms share phonological similarity insofar as they all conform to Simpson’s (2004) 2 syllable –ie template, and are also semantically similar, denoting vocational trades. As such, they denote a product-oriented schema insofar as their phonological similarity is only evident in the hypocoristic and not the base forms. Their hypocoristic form is predictable from semantic associations with their base form, which in the above cases is a semantically notable feature of each profession. Such semantic associations in these ‘irregular’ forms extend beyond blue collar professions; for instance, digger → Australian soldier, ranga → red-haired person (from orangutan), and tinker → inventor.6 These examples are consistent with current connectionist models of English morphology (Joannis and Seidenberg, 1999), which learn regular and irregular forms by placing differential importance on encoding either phonological (for regular forms) or semantic information (for irregular forms). Our suggestion here is that Australian hypocoristics are formed by the same linguistic processes that have been proposed to account for other aspects of inflectional morphology. Indeed, the kinds of correlational features that we have found to statistically predict the form of Australian hypocoristics, such as semantic category and base word length, are exactly the kinds of information sources that connectionist models use to learn regularities and subregularities within linguistic systems. For it is in messy linguistic environments where psycholinguistic models of morphology that exploit phonological and semantic associations between the source (i.e., base) and

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6 There is also the very common copper → policeman, which has a long history in English. The precise source of this innovation is unclear, although one hypothesis is that it derives from the colloquial verb to cop (i.e., to catch/take).
product (i.e., target morphological form) of hypothesised morphological processes succeed in explaining a greater range of linguistic facts than do item and process models (e.g., Pinker, 1999), which tend to make arbitrary distinctions between so-called rule-based and associative morphological processes.

There is, however, one crucial difference between the morphological processes typically studied by linguists and Australian hypocoristics. Unlike standard morphological processes, Australian hypocoristics do not alter the meaning of the base form. Instead, as an informal register, their use has pragmatic effect. The precise sociolinguistic conditions that lead to their innovation and use are complex. The commonality between Wierzbicka’s (1986) analysis of the –ie and the –o morpheme is that the use of both act as devices that promote social cohesion between speakers. The same could be said for all of the other forms in this class. This is also implicit in other papers that have discussed Australian hypocoristics (e.g., McAndrew, 1992; Sussex, 2004; Taylor, 1992), which point to their frequent use in AusE as deriving from the specific cultural ideals of informality, mateship, and egalitarianism. Although Australian hypocoristics almost surely serve these functions, their use has also paradoxically been associated with a cultural cringe, an attitude often bestowed upon lower prestige linguistic codes.7 The changing social fabric and the maturing of the society seem to have weakened the cultural cringe. Sussex (2004) discusses how general and broad Australian accents have become increasingly used in the media. Bradley and Bradley (2001) reported on a 15-year longitudinal study that showed a shift toward more positive appraisals of AusE over time. Therefore these changes in attitudes toward AusE may be responsible for creating an environment where hypocoristic usage (and coinage) is sanctioned by the broader linguistic community.

While this argument might be generally true, there is reason to believe that the Australian sociolinguistic landscape has changed sufficiently in the last generation to render it somewhat simplistic. In an as yet unpublished set of experiments (Kidd et al., in preparation), we have investigated Australian people’s attitudes to toward the use of hypocoristics, and have found that the tendency to accept their use interacts with ethnic background. Specifically, we have found that Australians whose family have been in the country for greater than two generations (i.e., their parents and grandparents were born in the country) are perfectly happy for a speaker to use hypocoristics. In contrast, Australians whose family has a recent history of migration to the country (i.e., parents or grandparents not born in Australia) disapprove of speakers who use them. This suggests that social and ethnic identity has a clear role in the use of hypocoristics, and that speakers of AusE are by no means a cohesive, singular category. Other variables, such as the socio-economic status of the speaker, and accent, are also likely to play a role.

As a final cautionary note, we point out a potential limitation of the methodology we have used in this research. We asked speakers of AusE to provide as many examples of Australian hypocoristics as they could in 10 min. Therefore, our dataset should only be taken as an indirect measure of hypocoristic use. Regardless of this fact, we argue that it is likely that the examples our participants provided must in some way reflect their usage and the usage of those around them. Analyses of spontaneous language samples of hypocoristic use do not yet exist, but this is an obvious direction for future research.

7 It is likely that the cultural cringe is invoked when hypocoristics are used with a broad Australian accent, which is generally rated as low-status (Bradley and Bradley, 2001).
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References


