1. Introduction

As is well known, Italian (It.) and the other Romance languages trace their origins back to Proto-Romance (PRom.), the direct descendant of the Vulgar Latin language spoken in the Roman Empire. Latin (Lat.), in turn, is part of the Indo-European (IE) language family, which groups together several (originally) Eurasian languages (inter alia, Greek, Sanskrit, Tocharian, Lithuanian, Icelandic, and English) which developed from a common prehistoric ancestor, conventionally called Proto-Indo-Europe-
Proto-romance *pīk(k)- and Proto-Indo-european *pe̞k̑-

an (PIE). This proto-language thus relates to IE languages as Proto-Romance does to Romance languages (though a substantial difference lies in the fact that the former is a prehistoric language): as we shall see, an integrated approach to both through the instruments of historical linguistics may provide us with important insights into problematic issues of language history, etymology, and semantic change.

It. *piccolo, picciolo, and piccino, all meaning ‘small, little’, are currently traced back to PRom. *pīk(k)- ‘small, little’, a root which also underlies several further Romance formations, for an overview of which see the comprehensive works by Ivan Pauli (1919: 255 ff.) and Przemysław Dębowiak (2017: passim). Within the scope of the present research, we shall exclusively take into consideration a selection of these formations (in addition to the already mentioned Italian adjectives), namely: Spanish (Sp.) *pequeño ‘small, little’; Portuguese (Port.) *peco ‘stunted, dumb, imbecile’ and *pequeno ‘small, little’, Sicilian (Sic.) *picciottu ‘kid’, *picciriddu ‘child’, and *picca ‘small quantity, a little’; Old Logudorese Sardinian (OLog.) *pikinnu ‘small, little’, Romanian (Rum.) *pic ‘drop, small quantity’ and Megleno-Romanian (Meg.-Rum.) *pīcă ‘small quantity, a little’.

This lexical family is of unclear etymology, as it appears to have no evident parallels in Latin. According to a popular hypothesis,2 PRom. *pīk(k)- ‘small, little’ should be analyzed as an expressive/onomatopoetic root and traced back to “baby talk”, together with other (more or less) similar Romance roots attested by words meaning ‘small, little’, such as French (Fr.) petit or Meg.-Rum. puțon.3 The connection between these words and the family of It. piccolo, however, is exclusively supported by either trivial correspondences which are likely to be due to chance, e.g. the initial p-,4 or by common grammatical features which by no means require a common etymology, namely their formation by means of diminutive suffixes, which are frequently attested by terms for ‘small’ (cfr. infra, par. 2.2). Moreover, as shown by Blasi et al. (2016: 10820), the two phones which appear to be most often associated with the concept ‘small’ in the world’s languages are the high front vowel [i] and the voiceless postalveolar affricate [tʃ], whereas the consonants [p] and [k] seem to lack this association, with [p] rather being unusually frequent in words meaning ‘full’.

According to a further theory, PRom. *pīk(k)- may reflect a loan from a Celtic language (cf. e.g. Monlau 1946, s.v. *pequeño): if this were the case, the only possible candidate would be Insular Celtic *bekko- ‘small, little’ (Old Irish *bēc, Middle Welsh

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2 This is the interpretation found in most etymological dictionaries of the Romance languages: cf., inter alia,REW, s.v. *pikk-; Devoto 1966, s.v. *piccolo; DEI, s.v. *picca3; DELI, s.v. *piccino; Corominas - Pascual 1980-1991, s.v. *pequeño.

3 Cf. Dębowiak 2017: 176-179 for a schematic and comprehensive overview.

4 Cf. e.g. Lat. parvus, paucus, and paulus, all reflexes of a Proto-Italic root *pau- ‘little, few’ (de Vaan 2008, s. vv.), which has beyond doubt no etymological connection to PRom. *pīk(k)- ‘small, little’.
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*bach ‘id.’), of unclear etymology (cf. Matasović 2009, s.v.). The reflex of a Celtic loan *bekko- ‘small, little’, however, would have attested initial ‘be-‘ as well (e.g. It. ‘beccolo rather than *piccolo), cf. It. becco ‘beak’, the reflex of Lat. beccus ‘id.’, a loan from Gaulish *bekko- ‘id.’ (cf. Suet. Vit. 18).

On the assumption that the analysis of Romance formations may benefit from the insights of IE historical linguistics when more straightforward Latin comparanda appear to be absent, the present contribution argues for a possible etymology of It. piccolo and its Romance cognates as reflexes of the PIE root *peį́ḱ- ‘cut’. Firstly, an unattested Latin adjective *pic-us ‘small, little’ will be shown to underlie all Romance formations (par. 2), both simplex ones (par. 2.1) and more complex derivatives (par. 2.2). Secondly, a case will be made for its analysis as the outcome of a PIE formation *peį́ḱ-ó- ‘who/that is cut (passive meaning); who/that cuts (agentive meaning)’ (par. 3), the reconstruction of which finds support in both semantic (par. 3.1) and formal parallels (par. 3.2) in Romance, Latin, and other IE languages.

2. PRom. *pīk-u/pīkk-u as reflexes of Lat. *pīcus ‘small, little’

Let us first turn our attention to It. piccolo and its Romance cognates, the reflexes of Lat. *pīcus ‘small, little’ through its two possible Proto-Romance outcomes, namely *pīk-u and the secondary outcome *pīkk-u, by the so-called “littera Rule” (or “Iuppiter Rule”). No Romance reflex has kept unaltered both the semantics and the formation type of the Latin adjective: most of them have undergone either semantic shift or substantivization (par. 2.1) or derivation by means of suffixes (par. 2.2), a distribution in accordance with Jerzy Kuryłowicz’s (1945-1949) “Fourth Law of Analogy” (the morphologically re-characterized form retains the primary function, the more archaic form is restricted to a secondary function).

2.1 Port. peco ‘stunted, dumb, imbecile’, Rum. pic ‘drop, small quantity’, Sic. picca ‘small quantity, a little’, and Meg.-Rum. pică ‘id.’

From a formal point of view, Lat. *pīcus ‘small, little’ is directly reflected by some simplex formations, most of which have substantival or adverbial semantics. The only adjective among them is Port. peco ‘stunted (of plants); dumb, imbecile (of people)’ (PRom. *pīkk-u), attesting the same semantic shift as Port. parvo ‘idiot’ from Lat.

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5 According to this phonological law, for reasons yet unknown, a Latin sequence -i/ůTT- may result in -i/ůTT-, cf. the variants litera vs. lītera and Iūpiter vs. Iŭppiter (all attested); the co-existence of both outcomes was most probably due to sociolinguistic variation. Cf. further Benedetti 1996; Meiser 1998: 77; Weiss 2009: 144; 2010; Benedetti - Marotta 2014; Sen 2015: 42-78.

6 As pointed out to me by Andrea Lorenzo Covini.

7 For the phonological development, cf. Sp. and Port. seco ‘dry’ from PRom. *sĭkk-u:
parvus ‘small’ (Corominas-Pascual 1980-1991, s.v. pequeño).

The semantics of Rum. pic ‘drop, small quantity’ (PRom. *pik-u)\(^8\) reflects those of the substantivized Lat. neut. nom.-acc. sg. *pīc-um, whereas Sic. picca ‘small quantity, a little’ (PRom. *pīkk-a) and Meg-Rum. picà ‘id.’ (PRom. *pīk-a), employed both as substantives and as adverbs,\(^9\) are the reflexes (with and without the effects of the “littera Rule”, respectively) of the Lat. neut. nom.-acc. pl. *pīc-a. The use of the neut. nom.-acc. of an adjective meaning ‘small’ as a substantive meaning ‘small quantity’ or as an adverb meaning ‘a little’ has parallels in Latin, cf. parum ‘too little’ (*parvom, neut. nom.-acc. sg. of parvus ‘small, little’) and paulum ‘a little’ (neut. nom.-acc. sg. of paulus ‘small, little’).

Finally, the etymologically unclear Insular Celtic *bekko- ‘small, little’ may be a loan from Lat. *pĭccus, as noted already by Sophus Bugge (apud Stokes 1879-80: 345 n. 1). The pronunciation of Lat. /i/ became close to [e] pretty early, cf. e.g. spellings like veces for vĭcēs in the inscriptions in Pompeii,\(^10\) and the substitution of Lat. *p- by Insular Celtic *b- may have further parallels in loans like Old Irish baramail from Lat. parabola.\(^11\)

2.2 It. piccolo, picciolo, piccino, Sp. pequeño, Port. pequeno, Sic. picciriddu, picciottu, OLog. pikinnu

Several reflexes of PRom. *pik-u/pĭkk-u arose within the single Romance daughter branches by means of various derivational suffixes, mostly with diminutive function, as is often the case with terms referring to the semantic field of smallness, cf., e.g., Italo-Romance formations like bamboo ‘child; dumb’ and bamb-occio, bamb-ino, bamb-olo; fante ‘servant’ (originally ‘child’, cf. Lat. infans ‘id.’) and fanci-ullo, fant-ino, fant-occio, fant-olino; citto ‘child; kid’ and citt-ino, cit-olo, citt-arello.\(^12\)

It. piccolo may be analyzed as the reflex with post-tonic gemination\(^13\) of *pic-o, a derivative with diminutive suffix -olo (a learned reflex of Lat. -ulus, as is well known) of *pic-o, the expected outcome of PRom. *pik-u.\(^14\)

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\(^8\) In fact, *pĭkk-u would have yielded Rum. †pec, cf. sec ‘dry’ from PRom. *sĭkk-u : Lat. sicc-us.

\(^9\) Cf. e.g. Rohlf 1968-70: III, § 291, for the possible uses of Sic. picca.


\(^11\) I am grateful to Jan-Niklas Linnemeier for pointing out this example to me; cf. Stokes 1879-80: 345 n. 1 for further possible cases of substitution of Latin p- by Celtic b-.

\(^12\) On these formations, cf. Pauli 1919: 34ff; 236ff; 382. Cf. also the various Italo-Romance formations meaning ‘small’ attesting reflexes of Lat. -innus (Rohlf 1968-70: III, 424).


\(^14\) I am especially indebted to Saverio Dalpedri and Paolo Gresti for useful discussion on
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Sp. *pequeño and Port. *pequeno were formed by means of reflexes of the Latin diminutive suffix -innus (on which cf. Niedermann 1954: 338-342; Rohlfs 1968-70: III,424; Adams 2013: 569-570) from the regular outcomes of PRom. *pīku, namely Sp. *peco and Port. *pecto (on which cf. +, 2.1). These formations must certainly be old, but not old enough to have undergone palatalization of /k/ before a front vowel. OLog. *pikinnu, attested in medieval documents also as *pichinnu and *pickinu, was probably derived from PRom. *pīk-u by means of the same suffix.

In contrast, Italo-Romance formations like It. *picciolo, *piccino and Sic. *picciottu, *picciriddu attest a palatalized outcome /tʃ/, which may have spread from derivatives in which the /k/ occurred before suffixes with initial front vowel, as in the case of It. *piccio (cf. *picciolo, perhaps *piccino), and *pĭkk-i̯u, resulting in Sic. *piciu (cf. *picciottu, *picciriddu).16

3. Lat. *pīkus ‘small, little’ as reflex of PIE *pe̯i̯k-ó- ‘who/that is cut’

Lat. *pīkus ‘small, little’ (PRom. *pīk-u and *pĭkk-u) may in turn be traced back to OLat. *peicos,17 the outcome of PIE *pe̯i̯k-ó-, a derivative of the CeC-ó- type (Nussbaum 2017: 243ff) of the verbal root *pe̯i̯k- ‘cut (out), carve, fashion, adorn’ (LIV: 465-466; Jackson 2002), attested, inter alia, by Vedic Sanskrit (*pimśā-ti ‘id.’, Old Persian a-pa-i-θa ‘they adorned’, and Old Norse fjá ‘depict, draw, paint’). There are two expected meanings of a PIE formation *pe̯i̯k-ó-, namely (examples from Nussbaum 2017: 249):

(a) a passive meaning ‘who/that is cut’, cf. Lat. fid-us ‘trusted, trusty’, reflex of *b̯e̯id̯-ó- ‘who/that is trusted’ (PIE *b̯e̯id̯-o- ‘(en)trust’, cf. Gk πείθομαι ‘id., believe, be persuaded’ : *b̯e̯id̯-o/e-);

(b) an agentive meaning ‘who/that cuts’, cf. Lat. mer-us ‘pure’ (*‘clear’, of liquids),

this matter.


16 The Sicilian terms may reflect *pîkk-i̯u as well, but an analysis as reflexes of *pîkk-ju may be supported by Sic. *picca, which can only reflect *pîkk-a.

17 For the phonological development, cf. e.g. Lat. dicerent, outcome of OLat. deicerent (Senatus consultum de Bacchanalibus, 186 a.C.; cf. Weiss 2009: 101). The “littera Rule” is often attested by formations whose long -i̯- is the reflex of an original diphthong -ei̯/-i̯ou- (cf. Benedetti 1996), cf. e.g. Lat. lītera and littera (OLat. leitera), Lat. Iūpiter and Iŭppiter (OLat. *Ioupiter, reflecting a PIE formula *di̯e̯u- po̯sēr- ‘Father Sky’). On the connection between monophthongization and consonant gemination, cf. Benedetti-Marotta 2014.

18 Cf. also Gk ποικίλος ‘varicolored, manifold, cunning’, Gothic *faihs in filufaihs ‘manifold’, Ved. pēsa- ‘ornament’, and Lithuanian paīšas ‘smut, dust-spot’. The semantics of this root were already rich in PIE itself (cf. Jackson 2002: 10-12).
reflex of *mer-ó- ‘who/that sparkles’ (PIE *mer- ‘sparkle’, cf. Gk μαρμαίρω ‘id.’: *-mr-jó/ó-).

In the following paragraphs, the reconstruction of both meanings of PIE *peich-ó- will be supported by semantic and formal parallels (par. 3.1 and 3.2, respectively) attested in Latin and Romance, as well as in other IE languages.\(^{19}\)

3.1 Semantic parallels: from ‘cut, cropped’ to ‘small’

The semantic shift from PIE *peich-ó- ‘who/that is cut’ to Lat. *pīc-us ‘small’ finds support, inter alia, in the derivational and semantic history of (1) It. corto, (2) Eng. short and (3) Ved. kṛdh-ú-.

(1) It. corto ‘short’ (; Fr. court, Sp. corto, Port. curto) is a reflex of Lat. curtus ‘shortened, mutilated’, which may be traced back to PIE *kr̥-tó- ‘cut, cropped’,\(^{20}\) a verbal adjective of the root *(s)ker- ‘cut, scratch’ (LIV\(^2\): 556-557; cf. Gk κείρω ‘cut off, shave’; Arm. k’erem ‘scratch, scrape off’).

(2) Eng. short (OEng. scort) and Old High German scurz ‘short’ reflect PGmc *skurt-a- ‘cut out, cropped’ (Heidermanns 1993, s.v.), a derivative of the root *skert- ‘cut’ (cf. Old High German scherze ‘cut-out chunk’; Eng. shirt and skirt, both referring to ‘cut-out’ pieces of cloth).

(3) Ved. kṛdh-ú- ‘shortened, mutilated, small’ originally meant ‘cut, cropped’ as well, as a reflex of PIE *(s)kṛdh- ‘cut’ (EWAia, s.v.; LIV\(^2\): 558; cf. Old Irish scerdaid ‘peel, scrape off’; Lithuanian skerdžiù, sker̃sti ‘cut, slit’).

These parallels clearly attest that a semantic shift from ‘cut, cropped’ to ‘small’ is not only conceivable, but fairly common in the IE languages, reflecting a traditional (and fairly trivial) association between these concepts.

3.2 Formal parallels: Lat. Pīcus ‘(divine) fashioner’, pīcus ‘woodpecker’, and Gk πεικός ‘sharp, stinging, bitter’

Two Latin formations which are formally identical to *pīcus ‘small, little’, namely (1) the theonym Pīcus and (2) the bird-name pīcus ‘woodpecker’, as well as (3) the Gk adjective πεικός ‘sharp, stinging, bitter’, may be traced back to the agentive meaning of PIE *peich-ó-.

(1) Lat. Pīcus, name of “a deity native to Roman soil” (Ov. Fasti 3.291) and mythical king of pre-Roman Latium, is the expected outcome of PIE *peich-ó- ‘who fashions’.

The semantic shift of PIE *peich- from ‘cut, carve’ to ‘fashion, adorn’ is well attested (cf. LIV\(^2\): 466 n. 2; Jackson 2002: 7 ff), and the characterization of Pīcus as a god

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\(^{19}\) The same derivative may attest both passive and agentive semantics within a single IE language (cf. Nussbaum 2017: 242), cf. Homeric Gk σκόπος (a derivative of the CeC-ó- type, akin to the CeC-ó- type; cf. Nussbaum 2017: passim), which may mean both ‘guardian’ (‘he who watches’; e.g. Il. 23.359) and ‘target’ (‘that which is watched’; e.g. Od. 22.6).

\(^{20}\) Lat. curtus may be alternatively traced back to PIE *k̥er- ‘cut’ (LIV\(^2\): 391-392), cf. the literature in de Vaan 2008, s.v. curtus.
who fashions (objects), i.e. as a divine craftsman, finds support in the mythological sources, cf. Plut. Numa 15.3-4 λέγονται ταύτα τοῖς ὑφ Ἑλλήνων προσαγορευθεῖσιν Ἰδαίοις Δακτύλοις σοφιζόμενοι περιϊέναι τὴν Ἰταλίαν “(Picus and his son Faunus) are said to have traversed Italy practicing the same arts as the so-called Idaean Dactyli of the Greeks”, i.e. the art of black-smithing, cf. Plin. Nat. 7.80 ferrum Hesiodus in Creta eos qui vocati sunt Dactyli Idaei “Hesiod (ascribes the forging of) iron to the people called the Idaean Dactyl in Crete”.

(2) Lat. pīcus ‘woodpecker’ may be traced back to PIE *peīk̪-ō- ‘who/that carves’, reflecting this bird’s most typical behavior (to carve trees with its beak in order to build nests and hunt insects), descriptions of which occur both in Greek (e.g. Arist. Hist. an. 593a3-14) and Roman sources, cf. Plaut. Asin. 262 sed quid hoc quod picus ulnum tundit? [...] “But what’s this? A woodpecker is tapping an elm?”.

(3) Gk πεικός ‘sharp, stinging, bitter’, exclusively attested by the Hesychian gloss πεικόν · πικρόν, πευκεδανόν, may reflect PIE *peīk̪-ó- ‘who/that cuts, stings’, with a close parallel in its synonym πικρός itself, a further reflex (with different formation) of PIE *peīk̪- (cf. e.g. Beekes 2010, s.v.).

We may observe in passing that a similar semantics appears to underlie PRom. *pīkkāre ‘pierce, prick’ (: Sp. picar; Fr. piquer) and *pīkka ‘pike’ (: Fr. pique), otherwise etymologically unclear (cf. FEW, s.vv.), possibly pointing to their origin as reflexes of the PIE root *peīk̪- as well. Future investigations may attempt to pursue a possible connection between these formations and the lexical family of It. piccolo, as already proposed e.g. by Walther Goldberger (1929: 52ff) and Giacomo Devoto (1966, s.v. piccolo).

21 Aliter WH (s.v.), who points out that two of its possible cognates, namely Ved. piká- ‘Cuculus microperus’ and Old Prussian picle ‘Turdus pilaris’, cannot reflect PIE *k̪; these parallels, however, are most probably Scheingleichungen, as both these birds look nothing like a woodpecker. The detail of the alleged connection with the etymologically unclear PGmc *spikta- ‘woodpecker’ (cf. WH, ibid.; de Vaan 2008, s.v. pīcus) must remain open at the current state of the research.

An unequivocal cognate of pīcus is rather Umbrian peico (acc. sg., pēiqu (abl. sg.) ‘id.’, the outcome of Proto-Italic *pik̪-o- (as per Meiser 1986: 47), which may reflect PIE *pik̪-ō- (a derivative of the functionally similar -ō- type, cf. Nußbaum 2017: 250ff); I also assume Lat. pīca ‘jay, magpie’ to be a feminine derivative of pīcus. Aliter Meiser 1986: 47-48, followed by de Vaan 2008, s.v. pīcus (Lat. pīca as a feminine vṛddhi derivative of *pik̪-ō-; later spread of long i to the masculine by analogical levelling).

Cf. Goldberger 1929: 52ff, for an early attempt to connect It. piccolo and Lat. pīcus.


As expected, the formal identity between the theonym and the bird-name paved the way for folk-etymologies attested by various mythical narratives (cf. Serv. ad Aen. 7.190; Ov. Met. 14.320-434), according to which Picus would have been turned into a woodpecker by the witch Circe or would have kept a woodpecker in his home to predict the future.
4. Conclusions

Our conclusions may be summarized as follows:

(1) The Romance family of It. *piccolo* may be traced back to PRom. *pīk-u* and *pīkk-u*, the regular outcome and the “littera Rule” outcome, respectively, of Lat. *pīc-us* ‘small, little’, among whose direct reflexes are: Port. *peco* ‘stunted, dumb, imbecile’ (*pīkk-u*), cf. Port. *parvo* ‘idiot’ (: Lat. *parvus* ‘small’); Rum. *pic* ‘drop, small quantity’ (*pīk-u*), Sic. *picca* ‘small quantity, a little’ (*pīkk-a*), and Meg.-Rum. *pică* ‘id.’ (*pīk-a*), which reflect the use of the Lat. neut. nom.-acc. sg. *pīc-um* or pl. *pīc-a* as a substantive or adverb meaning ‘a little’, cf. e.g. *paulum* ‘id.’ (neut. nom.-acc. sg. of *paulus* ‘small’).

(2) It. *picc-olo* is a reflex with post-tonic gemination of *pic-o* (: Lat. *-ulus*), from *pic-o* (PRom. *pīk-u*). Sp. *pequ-enho*, Port. *pequ-eno*, and OLog. *pik-innu* (: Lat. *-innus*) must be traced back to PRom. *pīkku* (Sp. and Port.) and *piku* (OLog.), respectively. It. *pìcci-olo* and *pìcci-ino* and Sic. *picci-ottu* and *picc-iriddu* may attest a spread of the palatalized outcome expected in e.g. It. *picc-ino*; alternatively, they may reflect further PRom. variants, i.e. *pìk-ju* and *pìkk-ju*.

(3) Lat. *pīcus* ‘small, little’ is in turn the reflex of *peīk-ó-*, a CeC-ó- derivative of PIE *peīk*- ‘cut, carve, fashion, adorn’ with two possible meanings, namely a passive ‘who/that is cut, carved, fashioned, adorned’ and an agentive ‘who/that cuts, carves, fashions, adorns’. The meaning ‘small’ developed from the passive meaning, cf., inter alia, It. *corto* ‘short’ (PIE *kr̥-tó- ‘who/that is cut, cropped’). The agentive meaning underlies three further formations, namely: the Lat. theonym *Pīcus* (*‘[god] who fashions [objects]’*), Lat. *pīcus* ‘woodpecker’ (*‘[bird] that carves [trees]’*), and Gk *πεικός* ‘sharp, stinging, bitter’ (*‘who/that cuts, stings’*).

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Proto-romance *pīk(ŋ)- and Proto-Indo-European *peik-