

## «WATER ORIGINS»: THE \*ALB- ROOT IN THE PRE-LATIN TOPONYMY OF ANCIENT LIGURIA †

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*Summary:* Paleo-Ligurian place names of the type *Alba*, Old European river names *Albis* and the like, as well as their ablauting forms *Olb-* (> *Orb-* in Romance Ligurian) do not reflect directly the Proto-Indo-European (PIE) adjective \**albho-* ‘white’; rather, they all continue a Pre-PIE extended root \**Hal-bh-* ‘water’, cognate with Sumerian *halbia* (> Akkadian *halpium* ‘spring, well, water mass, water hole’). A further analysis of the same root \**Hal-bh-* leads to a comparison with the PIE root \**Hal-* ‘nourish’. PIE suffixed form \**HwaH-r-* ‘water’ exhibits a similar diffusion.

*To my mother*

There are extremely ancient toponymic designations that cannot always be reconstructed from roots directly attested in historical languages belonging to the Indo-European linguistic family. The possibility of the existence of «double roots» should be considered in this context. The factual meanings may have been made up both by contacts and «osmotic movements» (in both directions: to the Indo-European from the non-Indo-European languages and vice versa), and by common genealogical heritage (with all the reservations required by the discussion of the relations of «kinship» within the Indo-European family, of course). Such cases are found especially within groups of words in the field of onomastics and, perhaps in a greater percentage, in the ambit of toponymy (toponomastics).

The question we would like to address here concerns the *nomen loci Olbicella*. Olbicella is a suburb of Molare (municipality located in the North-Western Italy, Piemonte, now in the Province of Alessandria) [Perono Cacciafoco 2003a: 15], situated along the Orba river, next to the Ortiglieto’s lake. D.Olivieri [1965: 241] wrote about Olbicella: «Olbicella, fr. Molare, Aless. Forse forma in parte dialett. equival. ad un \**Albicella*, dal n. pers. germ. ALBIZO?». The derivation proposed by the Italian scholar is part of the traditional practice that enhances, for etymological purposes, the observation – widely seen in the micro-toponomastics – of the use of anthroponyms in order to coin local denominations. But in this case it is – because not accompanied by equally or even more sustainable alternatives – too much apodictic as almost all the toponymic reconstructions that trace back the origin of a *nomen loci* (of

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higher «size» than one individual or gentilitial property) to a proper name of a person of any origin, according to the possibilities offered by the historical and linguistic local stratigraphy, without even an attempt of comparison with names that, being verifiable – or falsifiable – on both «levels» of the «sign» (thus – even within the limits of verifiability of a geographical name – also on the semantic ambit, by definition excluded in the deonomastic formations, where the etymology is not relevant), would set the hypothesis at a higher epistemological level. The dictionary, however, provides an interesting indication about the reconstructed ancient form of the place name *Olbicella*: *\*Albicella*.



Map 1. Olbicella (coordinates 44°37'11"N 8°36'6"E) and the surrounding area

The root of the etymon of the *nomen loci* is precisely *\*alb-*. Now we are going to explain why, trying to provide a linguistic contribution to the correct reconstruction of the original meaning of some place names and hydronyms of the Ligurian area (exactly the cultural and linguistic area of the formation of *nomina locorum* such as *Olbicella* in the North-West of Italy) and outlining the

existence of a «family» of place names that we would like to call (on the basis of the not only Indo-European root) «water towns».

We have evidence of common elements – albeit remote (already in the Indo-European age) –, in the cultural and linguistic ambit, between the ancient Ligurians (*Ligures*) and the inhabitants of the Western Europe historically known as the Celts [de Bernardo Stempel 2008]. A macroscopic toponymic isogloss concerns the Britannia (perhaps only in the Southern area, in origin) [Rivet, Smith 1979: 247-248]<sup>2</sup>: it is believed (and the hypothesis is very convincing) that *Albiōn*, the *nomen* of ancestral origin of Britannia, is connected with the Ligurian toponymic forms *Albium* and *Album* [Petracco Sicardi, Caprini 1981: 33]. The toponymic root of the name is common, being *\*alb-* < Indo-European *\*albh-*. From *Albium* and *Album* derive – in the ancient and also «contemporary» Ligurian toponymy –, among others, the homologous (homophone and homograph compared to the second lemma) forms *Album*, *Album Inganum*, *Album Ingaunum*, *Albingaunum* ‘Albenga’, *Albium* (homologous, homophone, and homograph compared to the first lemma), *Albintimilium*, *Album Intimilium* ‘Ventimiglia’ [Strabo, Gianattasio 2007: 136] (with this kind of toponymic reconstruction), *Albuca* (in Gaul and in Aquitaine), *Alba*, in Italy, Piemonte, now in the Province of Cuneo, *Alba Heluorum*, in Provence, *Alba*, now *Arjona*, in Spain [Rossebastiano 1990: 14]. G.Devoto [1974: 36] also reports, as of possible Ligurian matrix (or influence in the onomastic formation), the place name *Albona*, an Istrian town located a few kilometers away from the sea. All of these names are attributable directly to the root *\*alb-* and to a *simplex* form, that is *Album*. But *Album* is not primarily linked to the Latin *albus* ‘white’. It derives instead from the root *\*albh-*, that is the basis, for example, of the Germanic hydronym *Albis*, the *nomen* of the *Elbe* river. All these *nomina* indicate settlements on waterways, on rivers, lakes, and seas, in practice *loci* situated near water (and even hydronyms, names of referrals that coincide with the iconym: waterways, watercourses).

What interests us here is that as the root *\*albh-* is the basis of the hydronym *Albis*, *nomen* of ancestral origin (as a Paleo-European hydronym) of the *Elbe* river, so it is the generative component of some ancient and «contemporary» names that denote, like all the other *nomina* developed by the root *\*albh-*, places located on canals, rivers, or seas. Olbia, the oldest colony of Miletus, on the Black Sea, for example, had, as epichoric *nomen*, *Olbia* (without variants), derived from the root *\*albh-* with vocalic ablaut (apophony) of the initial [a-] in the grade of the [o-] timbre (the root *\*olbh-* is equivalent, on the lexical level, and it is derived, in the morpho-phonological ambit, from the base *\*albh-*)<sup>3</sup>. *Olbia* is witnessed, as a place name, in Britain, on the right side of the Bug River (in Ukraine), in Provence [Gianattasio 2007: 159], in Italy (in Sardegna), in Ly-

<sup>2</sup> In a non-Indo-European perspective, see also G.Semerano [Cavalli-Sforza, Bocchi, Ceruti 2001: 307-317 and, especially, 310].

<sup>3</sup> The Greek «reception» *Olbia* in relation to the antecedent Indo-European *\*Olbhiyā* presents the same characteristics (in the rendering of the vocalism /o/ and of the occlusive /b/) of the «near» *Borysthēnēs* < Indo-European *\*Bhoru-stenēs* ‘murmuring among the spruces’ (personal comment by Prof. Dr. Guido Borghi).

cia, and in Hellespont, that is in very different latitudes. Especially in the case of the Hellenic colonies, of course, there was inevitably a motivational overlap with the auspicious Greek adjective *ólbios* (*óλβιος*, female *ólbía*, *óλβία*) [Queirazza et al. 1990: 451, Pellegrini 2008: 85].

If we remain within the ambit of *nomina* linked to the root *\*albh-* and to the meaning ‘water’, it may be interesting to remember that *Albula* was the ancient name of the Italian river *Tevere* (Tiber, Latin *Tiberis*). *Albiōn*, the *nomen* of ancestral origin of Britain – from which we started in this reasoning –, denotes therefore the largest island on the English Channel, a *locus* situated on the water and surrounded by it.



Map 2. The Upper Orba Valley, from the Molare dam to Olbicella

The reconstruction *\*albh-* (with *\*bh/* required by the Germanic *\*b/* in *\*Albiz* ‘Elbe’) is, however, not the only one considered in the doxography. G.Semerano, among the other supporters of the origin of the root *\*alb-* by a non-Indo-European linguistic «family» (in his theory, this «fact» is postulated by definition, since he denies the existence of the Indo-European), proposes a derivation from the ancient Akkadian *halpium* (from the Sumerian *halbia*)

‘well, spring, mass of water, water hole’ [Cavalli-Sforza, Bocchi, Ceruti 2001: 310]. This form, then, would have been transferred to the toponymic system of the Indo-European languages, on the one hand remaining unchanged in the root *\*alb-* (in the Semerano’s perspective with two variants, without [-l-], *\*ab-* and *\*ap-*)<sup>4</sup> and, on the other hand, with the additional homologous basis derived from the vocalic replacement of [a-] with [o-], *\*olb-*, and with the resulting modified lemma, derived from *\*olb-*, *\*orb-*, with [-r-] from [-l-] by rhotacism (linguistic phenomenon peculiar, *inter alia*, in the Ligurian area).

Leaving aside the negation of the Indo-European and the consequent lack of justification for the connection between *\*alb-* and *\*ab-/ \*ap-*, the comparison established by Semerano – especially with the Sumerian *halbia* – imposes a broadening of perspective. A root partly specialized in chromatic meaning and, in any case, an integral part of the toponymic and hydronymic Indo-European system, shows to have even more remote origins. This consideration could explain the formation of *nomina* – like those listed above – of places located in the closeness of watercourses, water canals, rivers, lakes, or near the sea. Thanks to this linguistic «fact» it is possible to overcome effectively the simplification (sometimes misused by the scholars in the ambit of toponymy and toponomastics) that combines almost all the *nomina locorum* formed by the *\*alb-* root to the Ligurian-Roman radical (the same definition is ambiguous) *alba*<sup>5</sup> ‘city, town’, surely applicable in some cases, but not connectable, in the context outlined here, with the place names we have mentioned. The Ligurian bases from which the form *alba* could be derived, in fact, would be *\*albo-*, *\*albio-*, and *\*alba-*, in the meaning, exactly, of ‘city, town’. Our discussion, however, leads to take a step back. The *\*h<sub>a</sub>albh-* root, originally ‘water’, is used to indicate – applied to a place name – a *locus*, a «locality» situated in the closeness of water. In the Indo-European, then, we are also witnessing a semantic transition. *\*H<sub>a</sub>albh-*, from ‘water’ and, therefore, in toponomastics, from ‘place located in the closeness of water’, takes, in fact, the extensive and generic meaning of ‘place, city, town’. In the transition from an onomastic system connected to the first anthropization to the later ones, until the proto-urban phase, over the centuries, the semantic characterization related to the concept of ‘water’ has been lost. It comes back, however, in the places located in the adjacency of the watercourses (*loci* that constitute the numerical preponderance, considered the fact that the proximity of the same *loci* to the waterways is fundamental to the birth and development of a village or a town), places like Olbicella. Their names are composed by the old and not exclusively Indo-European root *\*h<sub>a</sub>albh-* that has

<sup>4</sup> *\*Ab-/ \*ap-* [Pokorny 1959-1969: I, 51] is a Proto-Indo-European root more ancient than the radical forms leading to *alba* in the meaning ‘city, town’, and equivalent to the root *\*alb-* that expresses the notion of ‘water’ [Alinei 2000: 539]. In Gallic, for example, the root *\*ab-/ \*ap-* (this latter from *\*ak<sup>w</sup>-*) means ‘river’. It is witnessed, *inter alia*, in the Gallic form *Abona* [Lewis, Pedersen 1961: 38], cf. a Bastetic town called *Abula* (Southern Spain).

<sup>5</sup> See, for example, on the name *Albera Ligure*, Italian place located in Piemonte, now in the Province of Alessandria [Lamboglia 1946: 79-81, Campanile 1981: 71-96, Petracco Sicardi, Caprini 1981: 12, 33].

preserved the original meaning<sup>6</sup>.

It should also be pointed out that the *nomina locorum* derived from the root *\*albh-* are part of a series of place names known on the basis of common names of various historical Indo-European languages, both in relation to water, such as *\*war-* ‘water, river, rain’, *\*pal-* ‘stagnant water, puddle, backwater’, *\*mar-* ‘lagoon, sea’, and indicating characteristics or qualities of water or of water currents, such as, for example, *\*tar-* ‘strong, penetrating’, *\*ais-* ‘fast’, and *\*albho-* ‘light, white’ [Villar 1996: 117]. In the common Indo-European, then, in addition to these roots, the radicals *\*ab-* and *\*ap-* always express, originally, the concept of ‘water’ [Pokorny 1959-1969: I, 23, 51, 79, 80, Devoto 1962: 329, 331, 528, 529, 708, Alinei 1996: 505].

The Latin *albus*, so, derives from *\*albho-*, but the origin of this color name descends from a characteristic related to water, to the water «color», precisely. The late Indo-European basis *\*albho-* derives, in turn, from the root, not strictly Indo-European, *\*h<sub>a</sub>albh* ‘water’. It, therefore, outlines a semantic transition that leads to the stratification of different meanings for the same root in the passage

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<sup>6</sup> On the other hand, for example, the almost sure Paleo-Ligurian origin of the place name *Alba* of the town of Alba, located in Italy (Piemonte), is recognized [Petracco Sicardi, Caprini 1981: 33]. The town had the name *Alba Pompeia* after 89 BC, probably in honor of the consul Gnaeus Pompeius Strabo. Lamboglia [1946: 79-81] and Petracco Sicardi [Petracco Sicardi, Caprini 1981: 12, 33] attributed to the place name the meaning ‘capital city, administrative centre’ (*città capoluogo*). This *sema* is plausible, however, only as a further development of a different onomastic origin linked directly to the pre-Proto-Indo-European root *\*h<sub>a</sub>albh-* connected to the meaning of ‘water’ and, specifically, of ‘place situated in close proximity of water’. Alba, in fact, is located for the most part of its extension on the right bank of the Tanaro river and there is no doubt about the atavistic link between the town and this river. Alba was inhabited in remote age, already in the Neolithic, at least from the VI<sup>th</sup> millennium BC, and grew further during the Copper Age – Eneolithic – and the Bronze and Iron Ages [Pessina, Tiné 2008: 47, 56, 99, 119, 130, 132, 143, 148, 231-232, 250-251, Bietti Sestieri 2010: 39, 42-43], and it was precisely in this chronological ambit that the place name «took shape» of a *nomen* derived from the root *\*albh-* and showing a ‘town built near water’, on the Tanaro river in this case. Strabo [www: IV, 6, 2] associated the place name *Alba* with the oronym *Alpes*, pointing out – very loosely and too roughly – that the Ligurian cities were founded often on the heights. In this case (and in many others), however, the assertion of Strabo does not seem to make sense, because Alba is located 172 meters above sea level, in a broad flat valley. It has nothing to do, then, with the heights, while the fact of being located along the Tanaro river reports the undying bond of the city with water. The origin of the oronym *Alpi* (that is not the subject of this work and it will be analyzed here, therefore, marginally), Latin *Alpēs*, singular (especially poetic) *Alpis*, Greek *Ἄλβια*, a derivation from a root *\*alp-*, perhaps a variant of a radical *\*alb-* meaning ‘mountain, hill, stone’, is controversial. *\*Alb-* indicates ‘water’ and it is difficult to connect this form with the meaning ‘mountain’. It is, however, plausible to derive the oronym *Alpi* from another lemma (in all probability wrongly discarded by the most scholars), the Gallic form *\*alpis*, *\*alpā* ‘mountain pasture’, nominal lemma with the Central Celtic suffix *\*-pi*, *\*-pā* derived from the pre-Proto-Indo-European root *\*h<sub>a</sub>al-* ‘nourish’ [Pfister 1979: II, 210 ff]. The root *\*h<sub>a</sub>al-* is connected, in turn, with water and with the fish, that is nourishment.

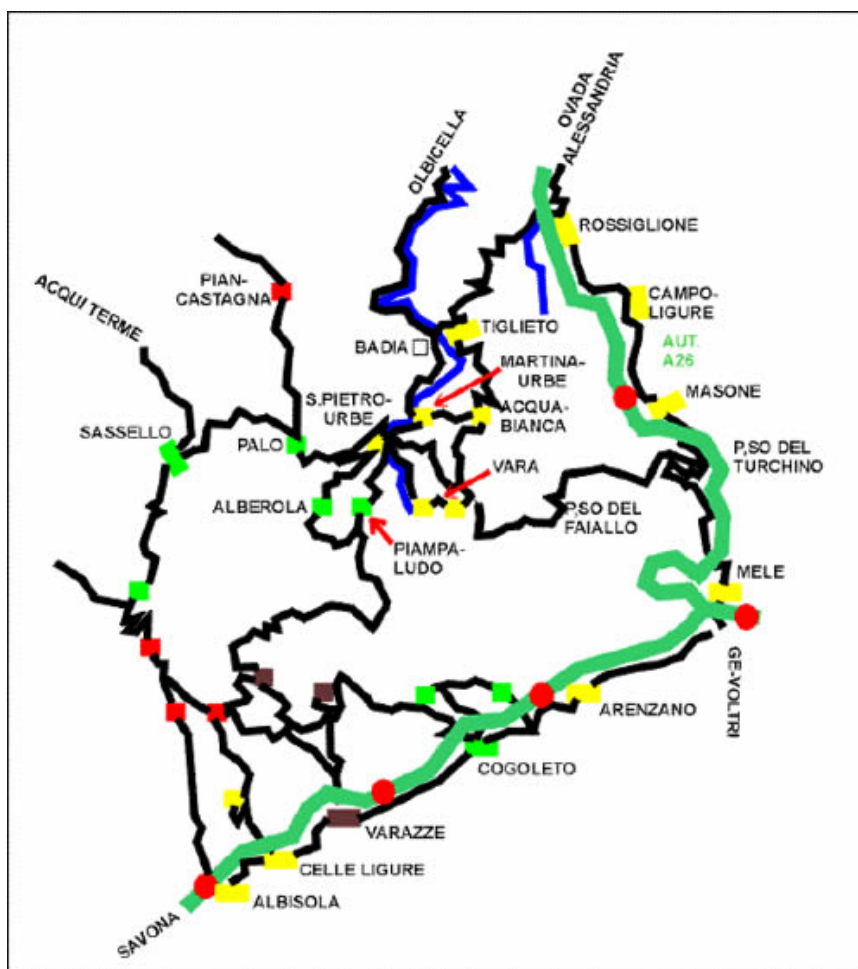
from the ancient and remote phases of the Indo-European to the late Indo-European: pre-Proto-Indo-European *\*h<sub>a</sub>albh-* ‘water’ and, extensively, ‘place situated near the water’ → Indo-European *\*[h<sub>a</sub>]albho-* ‘white’, originally indicating the light/ clear color of water and, then, ‘white’, considered as a generic color, Latin *albus* ~ *\*albā* (late Indo-European form), understood as ‘city, town’, simplified meaning derived from the pre-Proto-Indo-European *\*h<sub>a</sub>albh-* in the and along with the *sema* ‘place situated near water’. In this regard, it should be noted, as mentioned above, that the original *nomen* of the Italian Tevere (Tiber, Latin *Tiberis*) river was *Albula* and, as a variant of the manuscripts in Dionysius Periegetes, in the related commentary by Eustathius, and in Stephanus Byzantinus, *Alba*.

The Indo-European, on the other hand, has not drastically and totally lost the meaning of the root *\*h<sub>a</sub>albh-*. On the contrary, it has preserved this meaning in different variants. The Hittite lexeme *alpa-s* ‘cloud’, whose connection with the Indo-European *\*albhos* ‘white’ (formally possible in the hypothesis of an antecedent *\*h<sub>a</sub>albho-s*) was rejected for semantic reasons (since «*alpa-* is predominantly associated with rain and thunder» [Kloekhorst 2008: 169]), finds in the iconym ‘water’ an unexceptionable etymology<sup>7</sup>. If, then, we analyze *\*h<sub>a</sub>albh-* as an «extending root» *\*h<sub>a</sub>al-bh-*, we can also recognize an equable of this in *\*h<sub>a</sub>al-eu-* ‘disorderly wander’ [Borghì 2009: 836-837], a root of hydronymic use that, in the appellative meaning, passed to indicate the hydromel (mead) and the beer [Pokorný 1959-1969: 33-34].

In addition, according to M.Alinei [1996: 581] (as part of the Paleolithic Continuity Paradigm/ Paleolithic Continuity Theory/ *Teoria della Continuità*), the root *\*alb-* can be connected to the Proto-Indo-European radical *\*al-*, that is evidenced with the meaning of ‘feed, nourish’ in the Italic area (Latin *alō* ‘feed, nourish’), in the Celtic ambit (Old Irish *alim* ‘I nourish’), and in the Germanic areal (Old Icelandic *ala* ‘feed’). This semantic feature, inherent in the notion of ‘feed, nourish’, is closely linked to the concept of water, because (according to Alinei and in the context of the Paleolithic Continuity Paradigm) this root would be easily connectable with the Germanic name of the eel, German *Aal*, English *eel*, Old High German and Old Saxon *āl*, Old Frisian *ēl*, Dutch *aal*, Old Icelandic *āll*, Danish and Swedish *ål*. Apparently devoid of etymology in the traditional reconstruction, in the Paleolithic Continuity Paradigm it is, instead, directly connected to the introduction of fish in the nutrition of the Upper Paleolithic and, therefore, to the aforementioned root *\*al-* in the meaning of ‘feeding, nourishment’, in this case related to the concept of ‘eating fish’, a nourishment evidently derived from the water and plausible, in a so remote age, as a new element of the diet only in places located in close proximity to watercourses or to the sea.

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<sup>7</sup> Personal comment by Prof. Dr. G.Borghì.



Map 3. The territory between Southern Piemonte and Liguria

Thus, there is a close relationship – that is a sort of formal priority of the one and of semantic necessity of the other – between the radicals *\*al-* and *\*alb-*, up to the point to be variants of a single root referable to the concept of water and, for what concerns the toponomastics, to the toponymic indication of a place situated close to a watercourse or to the sea. The root *\*alb-* regains in this reconstruction two fundamental aspects: the pre-Proto-Indo-European origin (that corroborates the recovery of Semerano’s comparative hypothesis, with the inclusion of the Sumerian) and the ancient direct link with the ancestral concept of ‘water’. The origins of the root seem to be, with valid plausibility, pre-Proto-Indo-European and can be placed in a macro-genealogical linguistic «axis» of a probably Nostratic radical, as regards the antiquity, and coming, therefore, in the final analysis (with an adequate areal coincidence between the theories on the Indo-European pre-history and the *iter* of the Akkadian according to Semerano), from the Near and the Middle East. The Indo-European, then, has retained the root in its own onomastic system, producing the same



radical in the above listed variants and giving rise, over the centuries, to the transformation of the original meaning of the root that is still reflected, by the way, in many place names, especially – in Italy – in the Ligurian area, as Olbicella (< \**Olbikellā*).

The \**alb-* root, moreover, is also expressed – as outlined above – in the \**olb-* variant from which many of the place names *Olbia* in the ancient and also in the «contemporary» world derive and from which the *nomen loci Olbicella* descends. A linguistic phenomenon typical of the Ligurian area can be identified here, namely the transformation of [-l-] into [-r-], here – precisely – in postvocalic context and before bilabial consonant, and, therefore, the root \**olb-* is equivalent, in this case, to the Romance (Ligurian) radical \**orb-*. This consideration leads us to an interesting observation inherent in the *nomen* of the *Orba* river that flows (among many other places, before debouching, at the end of its course, in the Bormida river) in the territory of Olbicella and close to the lake of Ortiglieto. The first known attestation of the hydronym dates back to 1137 and the handed down form is *Urba* [AA. VV. 1899: CXIII, 38, 53], then replicated in 1176 by the wording «[...] *super fluvium Urbae* [...]» [AA. VV. 1899: XXIX, 74, 94]. Concerning the etymological explanation of the hydronym, the proposed derivation from the Latin *urbs* appears simplistic and meaningless. Already Serra [1931: 126] considered the pre-Latin origin of this *nomen* and held it close to other equivalent hydronyms of the Ligurian and Gallic territories (*Orba*, *Orge*, *Orbs*). He also had the right intuition (although he did not arrive to the proper deduction, leaving the explanation of the hydronym in the vagueness of the pre-Latin substrate), because the *nomen fluminis Orba* precisely derives from the root \**olb-*, apophonic/ ablauting variant of the root \**alb-* ‘water’, with the transformation – typical, as mentioned, of the Ligurian-Romance linguistic area where the torrent flows – of the [-l-] into [-r-] in \**orb-*.

So, the root \**alb-* is the basis not only of the place name *Olbicella*, but also of the hydronym *Orba*. Moreover, there is a sort of «point of union» between the place name and the hydronym, represented by another hydronym, *Orbicella*, an affluent of the *Orba* river which debouches precisely near Olbicella. The form *Orbicella*, a variant of *Olbicella* and the *nomen* of the affluent of the *Orba* river, is the linguistic trace of the equivalence of the root \**olb-* > Romance \**orb-* in the place name *Olbicella* and in the hydronym *Orba*, and is evidence of the rhotacistic phenomenon of transformation of the [-l-] into [-r-] typical of the Ligurian area. Thus, there is a very close relationship, in the ambit of the onomastic affinity (when not of direct equivalence), between the names *Olbicella* (with preservation of /l/ from the chancery tradition), *Orbicella* (with receipt of the rhotacism, having been made official later, because of the lesser importance of the referent), and *Orba*, as well as a close morpho-phonological relationship exists between the pre-Proto-Indo-European radical apophonic variants (dating back to a possible Nostratic origin and ancestrally sourced from Near/ Middle East), then become Indo-European toponymic formations, \**h<sub>a</sub>albh-* → \**h<sub>a</sub>olbh-* (> \**olb-*).

The medieval form *Urba* in the *Orba* hydronym attests a «change» from the initial [o-] to [u-], that indicates, *inter alia*, the loss (occurred in much older ages) of the ancestral meaning of the *nomen*, dating back, plausibly, to a pre-

Proto-Indo-European appellative source, then transferred in the toponymic use by the local Indo-European. Through a casualness, however, the form *Urba*, that recalls the Latin *urbs* ‘city, town’, has the same meaning of the above mentioned Indo-European basis *\*albhā*, derived from the root *\*alb-*, when the *sema*, by that time, passed to indicate (from ‘place on the water, water town’, *\*albh-*) the simplified and generic notion of ‘city, town’ (> *\*albā*).

The same reasoning has to be developed inherently in the place name of the village of *Urbe*, that is located (in Italy – Liguria –, now in the Province of Savona) in the valley of the Orba river. The place name coincides (with the variant of the initial [o-]/ [u-]) with the hydronym *Orba* and derives from the same root [Queirazza et al. 1990: 676]. The oscillation of the radical form *\*alb-* > *\*orb-*, with the rhotacistic transformation of [-l-] into [-r-], is recognizable even in the *nomina* of two of the small hamlets that make up the municipality of Urbe (that is, a «scattered» and «composite» village), *Martina d'Olba* and *San Pietro d'Olba* (here the graphic [-l-], perhaps conservatively, for official use, perhaps accidentally, in the chancery stratifications, takes precedence over the [-r-], in an alternation already found about the place name *Olbicella* and the hydronym *Orbicella*).

We have to note, moreover, that Urbe, as a municipality, is formed, as well as by these two hamlets, also by the small localities of Acquabianca (*\*albh-* ‘water’, *\*albho-* ‘white’ → *\*albh[o]-albhā* ‘light/ clear water, limpid water, white water’, almost a «translation» of the radicals involved in a decisive way in the toponymic and hydronymic development of the *nomina* of the area under our consideration) and localities of Vara Inferiore and Vara Superiore. The onomastic basis of the two hamlets called *Vara* is *\*war-* (*\*wer-*/ *\*uer-*, *\*wor-*/ *\*uor-*), root of the common Indo-European meaning ‘water, river, rain’<sup>8</sup> and that is, moreover, the radical of the *nomen* of the *Vara* river, the longest watercourse in Liguria, flowing entirely in the territory of the Province of La Spezia. The place name *Vara* (of *Vara Inferiore* and *Vara Superiore*) and the hydronym *Vara* have remote origin and are part of a «Mediterranean» onomastic system characterized *prima facie* by the phonetic sequence [-a-] [...] [-a-] [Devoto 1974: 28]. Since the diffusion of this specific kind of names in [-a-] [...] [-a-] is much more extensive than the Indo-European traditional and conventional areas, the fact seems plausible that these place names and hydronyms date back to an ancient period, and, thus, pre-late-Indo-European (in the case of the root *\*war-* in the form *Vara* and, in general, in the case of the «Mediterranean» phonetic sequences [-a-] [...] [-a-], we are witnessing a regular transformation starting from Indo-European laryngeals in position of syllabic core or adjacent to short vowel: *\*wārā* < *\*h<sub>a</sub>wah<sub>a</sub>-rah<sub>a</sub>* [Wodtko, Irslinger, Schneider 2008: 356-357] or even, in Celtic, from *\*[H]woh<sub>1</sub>-rah<sub>a</sub>* [Falileyev 2007: 30]. Among the numerous examples of place names and hydronyms derived from the root *\*war-*, proving the system of double [-a-], we can mention again, in order to be brief, the *nomen* of

<sup>8</sup> The root of the common Indo-European *\*war-* expresses the concept of ‘water’, as well as other equivalent bases, such as *\*ur-*, *\*wond-*, *\*und-*, *\*ak<sup>w</sup>-*, *\*ap-* (not only Indo-European), *\*ab-* (not only Indo-European), *\*up-* [Devoto 1962: 329, 331, 528, 529, 708, Pokorny 1959-1969: I, 23, 51, 79, 80, Villar 1996: 117, Alinei 1996: 505].

the town of *Varallo*<sup>9</sup> (Italy – Piemonte –, now in the Province of Vercelli), in the Valsesia, situated at the confluence of the Mastellone torrent with the Sesia river, and the name of the *Varàita* torrent, that debouches into the Po river. The notion of ‘water’ in these cases is always present and, in particular, it is the concept of the ‘river water’ and of the ‘rain water’ that feeds rivers and torrents and that makes possible the life of the villages and of the towns that arise near the watercourses. So the meaning of ‘water’ is repeated throughout all the toponymic series of the *loci* that contribute to form the municipality of Urbe, as well as in the hydronym *Orba* and in the place name *Olbicella*.



Map 4. The territory of Olbicella

With reference to the root *\*alb-* meaning ‘water’ and, within the ambit of toponomastics, at the basis of place names indicating ‘towns/ cities/ hamlets/ sites/ villages located near water’, we could mention numerous *nomina locorum* derived by the same radical. It might be interesting (but it is not the subject of this study, also due to reasons of «extension») to draw the distinction between the place names designating a ‘site located in close proximity to water’ (in the original meaning of the root, therefore) and the *nomina* indicating a ‘city/ town’ (in the «new» generic and later *sema* of the same radical). It will be sufficient to mention only one example, namely *Albisola*<sup>10</sup>, a town located in Italy – Liguria –, now in the Province of Savona. It is necessary to distinguish between *Albisola Superiore*, a place of prehistoric origin founded by the *Ligures Docilii*, and *Albissola Marina*, also founded in prehistoric times, but by the *Ligures Ingauni*<sup>11</sup> and independent – already in ancient ages – from the centre of *Albisola Superiore*. Writing about the same *Albisola Superiore*, Petracco Sicardi [Queirazza et al. 1990: 17] declares as Roman the origin of the *nomen loci*, from *Alba*

<sup>9</sup> Formed by a second Celtic element *\*allo-* ‘precipice’ (< Indo-European *\*p/so-*, see [Matasović 2009: 120-121]), in reference to the rocky outcrop of the Sacro Monte (personal comment by Prof. Dr. G.Borghi).

<sup>10</sup> For a review of the toponymic issues relating to the place name *Albisola*, see [Perono Cacciafoco 2003b: 22].

<sup>11</sup> The territory of the *Ligures Ingauni* had, as main centre, the town of Albenga, *Album Ingaunum*, *Alba Ingaunum*, *Albingaunum*.

*Docilia*, and *alba* would be, in this place name, evidence of the aforementioned Ligurian-Roman form *alba* in the meaning of ‘city, town’. This approach, however, leaves aside the fact that Albisola was founded, as mentioned, by the *Ligures Docilii* in prehistoric times and that the Romanization of the *locus*, therefore, could be much later than the creation of the place name. Albisola had in ancient times, by the *Ligures Docilii*<sup>12</sup>, the *nomen Alba*, but not in the meaning of ‘city’. The *sema* of that prehistoric *Alba* was, instead, derived from the pre-Proto-Indo-European root *\*albh-* connected to the notion of ‘water’, and, therefore, the *Alba* of the *Docilii* wanted to indicate, originally, a ‘place situated near the water’, in this case near the sea (Ligurian Sea). On the other hand, Petracco Sicardi rightly points out how the Roman name *Alba Docilia* is mentioned, as the first attestation, only in the *Tabula Peutingeriana*<sup>13</sup>, a relatively late documentary source that can suggest nothing about the antiquity of the name and, even less, about the original meaning of the same. So, we found a very significant example of the semantic transition ‘water’ > ‘town situated on the water’ > ‘town’ sustained over the centuries by the pre-Proto-Indo-European root *\*h<sub>a</sub>albh-*, merged in the onomastic system of the Indo-European languages (the Paleo-Ligurian substrate of Latin, in this case). We note parenthetically that Petracco Sicardi derives the *Docilia* of *Alba Docilia* from a Roman gentilial (family name) *Dolcilius* (that she declares to be probably of Celtic origin), while it seems clearly to be the derivation of the *Docilia* of *Alba Docilia* from the *nomen* of the *Docilii*, the Ligurian inhabitants – already in prehistoric times – of the original settlement of Albisola. The medieval place name *Albuzola* (or *Albizola*) shows how the root *\*alb-* has maintained, over the centuries, its strength, leaving out of consideration the *nomen* in the «free form» *alba* and that, despite the loss, in speaking – and writing – subjects, of the notion of the original meaning of the radical *\*alb-* (and, probably, also of the basis *alba*), it is, *de facto*, the constituent element of the remote origin of the place name. Petracco Sicardi [Queirazza et al. 1990: 17] adds that the medieval name of the *locus*, *Albizola* or *Albuzola*, is documented in the XII<sup>th</sup> century. It seems to be, instead, older. The *nomen* is attested, for example, in the *Charta* of foundation and donation of the St. Quentin’s Abbey (Abbazia di San Quintino) in Spigno Monferrato (place located in Italy – Piemonte –, now in the Province of Alessandria), a document dating back to the May 4<sup>th</sup> of the year 991, in the form *Albuzola* (and it seems well established, by now, that this *nomen* designates precisely Albisola) [Bosio 1972: 19, 33, 126-128]. In this toponymic variant the root *\*alb-* shows, thus – even if lost and often misunderstood, in its original meaning, in the perception of the linguistic subjects –, its onomastic strength

<sup>12</sup> The *Docilii* were a Ligurian tribe allocated, prior to the Roman conquest, in a territory between Albisola (Italy – Liguria –, now in the Province of Savona) and Sassello (Italy – Liguria –, now in the Province of Savona). Their lands bordered those of the *Sabazi* and of the *Statielli*.

<sup>13</sup> The *Tabula Peutingeriana* is a copy dating from the XII-XIII<sup>th</sup> century of an ancient Roman map that showed the military roads of the Empire. This document derives the name from the humanist and classicist K. Peutinger who inherited the *Tabula* from his friend K. Bickel.

and the persistence in the structure of the *nomina* being part of this toponymic and hydronymic «family».

So, another place located on the water and, precisely, on the sea, takes the origin of its name from the prehistory and from the ancient pre-Proto-Indo-European root *\*h<sub>a</sub>albh-* ‘water’.

In the Roman age the Liguria<sup>14</sup> presents some well identified linguistic strata: Latin, Gallic (or, at least, an ancient Central Celtic with the complete – and completed – dephologization of *\*/ǵ/ < \*/p/* and labialization of *\*/k<sup>w</sup>/ > \*/p/*), the so-called Lepontic-Ligurian (Southern Celtic characterized by the residual traces of the phoneme *\*/ǵ/ < \*/p/* in intervocalic position and by the sporadic persistence of *\*/k<sup>w</sup>/*), the Paleo-European Hydronymic («*alteuropäisch*»), and the Ligustic or paleo-Ligurian. The *nomina* more easily «explainable» are, of course, the Latin names (and the names of Latin origin). But the wish to bring back the onomastics and the toponomastics of the Ligurian area almost exclusively to the Roman age is methodologically incorrect and it is also the cause of obvious mistakes. Many *nomina* are, inherently in the origin, Celtic (Gallic or Lepontic), as *Dunomarus*. Others, instead, do not provide reliable evidence, if we remain within the ambit of the lexicon attested by the historical Indo-European languages. For example, in *Albialus* the *\*albh-* basis (that is, *\*h<sub>a</sub>albh-*) presents lexical and derivative peculiarities that do not allow, concretely, a specific attribution to any of the above mentioned first three known strata. In addition, we have to note also the likely pre-Proto-Indo-European origin of the root *\*albh-*, that is the radical *\*h<sub>a</sub>al-bh-* in the ancestral meaning of ‘water’ (and, extensively, of ‘place located near water’), then – in the common Indo-European – of ‘white’ (understood as the light/ clear color of the water) and in the generic meaning, in *\*albhā* of ‘city, town’ (in the simplified notion derived from the extensive *sema* of the pre-Proto-Indo-European basis *\*h<sub>a</sub>albh*). F.Villar says about the Indo-European setting and on the extra-Indo-European comparability of the Ligurian *nomina locorum* [Villar 1996: 469]: «[...] The Indo-European elements are quite abundant, both in the anthroponymy, and in the toponymy. But we have no right to consider specifically Ligurian all the Indo-European names that do not belong to the other three historical Indo-European strata (Lepontic, Gallic, and Latin). Because nothing assures us that, in addition to those known, there has not been another or others [...]». It is precisely in this ambit that the hypothesis about the pre-Proto-Indo-European ori-

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<sup>14</sup> In Antiquity the Ligurians resided in a territory that included the Côte d'Azur and the Riviera. The land of these populations stretched from the city of Pisa and from the Arno river (Italy, Toscana), to the East, to the Rhone river, to the West. We have also to consider the Ligurian populations of some islands, as Corsica and Elba, mentioned by several authors. In a general way, we talk about Ligurians inherently in the whole coast, also to the West of the Rhone river and until the mouth of the Ebro river. Due to this Western «extension» of these populations, sometimes the name of «Ibero-Ligurians» is used. The Greek colony of Massilia, now Marseilles, moreover, was in the middle of the territory of the *Ligures Saluvi*, one of the Ligurian tribes [Villar 1991: 465, 469, Pallottino 1981].

gin of the root *\*h<sub>a</sub>albh-* in the meanings, in the parallel forms, and in the derivations that we enucleated up to here takes heuristic significance.

Near to conclusion, an onomastic note. *Orba* is also attested as the personal name of a sovereign in the medieval Ireland. In this case, however, the *nomen* is not derived (although apparently homologous to that of the Orba river) from the root *\*albh-* (*\*olbh-*), but it descends from the Proto-Indo-European basis *\*orbho-* that means ‘orphan, forsaken, abandoned’ [Pokorny 1959-1969: I, 781, Alinei 1996: 668]. In the Celtic and Germanic areas (and only in these areas) it takes the *sema* of ‘heir, legacy, heritage’ [Alinei 2000: 566] (Old Irish *orbe* ‘legacy’, *orbam* ‘heir’, *comarbe* ‘co-heir’, Gothic *arbja*, Old Icelandic *arfi* and *arfr*, Old High German *arpeo*, *erbo*, Middle High German *Erbe* ‘heir’, Anglo-Saxon *ierfe*, Gothic and Old High German *arbi*) [Hubert 1934: I, 66, Buck 1949]. Therefore, in this case, the regal Irish name *Orba* means ‘heir, heir of the kingship’ and, then, ‘prince’ and, in consequence, ‘king’, and the Proto-Indo-European and, then, late Indo-European root at the origin of this name is not *\*albh-*, but *\*orbho-*.

It is, therefore, demonstrated that the name of the hamlet of the municipality of Molare *Olbicella*, the *nomen* of the village of *Urbe* (and of two of the localities that contribute to constitute it, *Martina d’Olba* and *San Pietro d’Olba*), and the hydronyms of the *Orba* river and of its affluent *Orbicella* derive from a common pre-Proto-Indo-European root of remote origin and persist over the time, indicating the notion of ‘water’ and applied, therefore, to the formation of *nomina* of waterways/ watercourses, or of areas located near the water (streams, torrents, rivers, lakes, and sea). The root that discloses its morphology, in this case, through the equivalent apophonic/ ablauting variant *\*h<sub>a</sub>olbh-*, then developed through the passage – typical of the ancient Romance Ligurian area that «contains» the places designated by the analyzed *nomina* – of [-l-] into [-r-] in the form */orb-/*. So, we have also found the equal persistence over the time of the Proto-Indo-European (of the common Indo-European) root *\*h<sub>a</sub>wah<sub>a</sub>-r-*, indicating the notions of ‘water, river’, and ‘rain’, in the names of the *loci* of *Vara Superiore* and *Vara Inferiore*, hamlets of the «composite» village of *Urbe*, and in numerous other places situated in close proximity to watercourses and in hydronyms.

So, in this analysis, we revealed a panorama of «water towns», all joined by the same toponymic origin derived from the pre-Proto-Indo-European root *\*h<sub>a</sub>albh-* or from the basis *\*h<sub>a</sub>wah<sub>a</sub>-r-*, originally indicating the notion of ‘water’.

Therefore it is possible to recognize the existence of a toponymic and hydronymic «family»<sup>15</sup> that descends from the common pre-Proto-Indo-European root *\*h<sub>a</sub>albh-* (then subjected to the dephonologization of the laryngeal and morpho-phonologically transformed in the variants *\*albh-*, *\*olbh-* [ $>$  *\*olb-*  $>$  */orb-/*], *\*albhā*, *\*albho-* and, in terms of meaning, in the sequences ‘water’ →

<sup>15</sup> On the toponymic and hydronymic European «families» linked to the «water roots» and to the «water notion» (especially in the North-Western Italy) and on the paleo-anthropology of those territories, see [Perono Cacciafoco 2008, 2009, 2011a, b, c, 2012a, b].

‘place situated near water’ → ‘place located on the water’ → ‘town’ and ‘water’ → ‘clear/ light water’ → ‘white water’ → ‘white’) and that incorporates in itself the names of the villages of *Olbicella* and *Urbe*, the hydronyms of the river *Orba* and of the torrent *Orbicella*.

## REFERENCES

- AA.VV. 1899 = *AA.VV.* Biblioteca della Società Storica Subalpina, XXIX; CXIII (1899).
- Alinei 1996 – *Alinei M.* Origine delle lingue d’Europa. I. La Teoria della Continuità. Bologna: Il Mulino, 1996.
- Alinei 2000 – *Alinei M.* Origine delle lingue d’Europa. II. Continuità dal Mesolitico all’età del Ferro nelle principali aree etnolinguistiche. Bologna: Il Mulino, 2000.
- Beckman et al. 2003 - *Beckman G., Beal R., McMahon G.* (ed.). Hittite Studies in Honor of Harry A. Hoffner Jr. on the Occasion of His 65th Birthday. Winona Lake: Eisenbrauns, 2003.
- Bichlmeier 2012 - *Bichlmeier H.* Anmerkungen zum terminologischen Problem der «alteuropäischen Hydronymie» samt indogermanistischen Ergänzungen zum Namen der Elbe // *Beiträge zur Namenforschung*, 47 (2012).
- Bietti Sestieri 2010 – *Bietti Sestieri A.* L’Italia nell’età del bronzo e del ferro. Dalle palafitte a Romolo (2200-700 a. C.). Roma: Carocci, 2010.
- Biggam 2012 - *Biggam C.P.* The Semantics of Colour. A Historical Approach. Cambridge: Cambridge University Press, 2012.
- Borghi 2009 – *Borghi G.* Continuità celtica della macrotoponomastica indoeuropea in Valtellina e Valchiavenna. Tirano – Grosio: IDEVV, 2009.
- Bosio 1972 – *Bosio B.* La Charta di fondazione e donazione dell’Abbazia di San Quintino in Spigno. Stipulata nel «Castello di Visone» il 4 Maggio 991, Alba (Cuneo) – Visone (Alessandria): Tipografie Domenicane, 1972.
- Buck 1949 – *Buck C.* A Dictionary of Selected Synonyms in the Principal Indo-European Languages. Chicago: University of Chicago Press, 1949.
- Campanile 1981 – *Campanile E.* (ed.). I Celti d’Italia. Pisa: Giardini, 1981.
- Cavalli-Sforza, Bocchi, Ceruti 2001 – *Cavalli-Sforza L.L., Bocchi G., Ceruti M.* (ed.). Le radici prime dell’Europa. Gli intrecci genetici, linguistici, storici. Milano: Bruno Mondadori, 2001.
- De Bernardo Stempel 2008 – *De Bernardo Stempel P.* La ricostruzione del celtico d’Italia sulla base dell’onomastica // P.Pocetti (ed.). L’onomastica dell’Italia antica. Aspetti linguistici, storici, culturali, tipologici e classificatori. Roma: Publications de l’École Française de Rome, 2008.
- Devoto 1962 – *Devoto G.* Origini Indoeuropee. Firenze: Sansoni, 1962.
- Devoto 1974 – *Devoto G.* Il linguaggio d’Italia. Storia e strutture linguistiche italiane dalla Preistoria ai nostri giorni. Milano: BUR, 1974.
- Dolgopolsky 1998 - *Dolgopolsky A.* The Nostratic Macrofamily and Linguistic Palaeontology. Cambridge: McDonald Institute for Archaeological Research, 1998.
- Falileyev 2007 – *Falileyev A.* Dictionary of Continental Celtic Place-Names, <http://hdl.handle.net/2160/282>

- Gianattasio 2007 – *Gianattasio B.M.* I Liguri e la Liguria. Storia e archeologia di un territorio prima della conquista romana. Milano: Longanesi, 2007.
- Hubert 1934 – *Hubert H.* The Rise of the Celts, I; The Greatness and Decline of the Celts, II. London: Constable, 1934.
- Kitson 1996 – *Kitson P.R.* British and European River Names // Transactions of the Philological Society, 94 (1996).
- Kloekhorst 2008 – *Kloekhorst A.* Etymological Dictionary of the Hittite Inherited Lexicon. Leiden, Boston; Brill, 2008.
- Lamboglia 1946 – *Lamboglia N.* Toponomastica Intemelia. Bordighera: Istituto di Studi Liguri, 1946.
- Lewis, Pedersen 1961 – *Lewis H., Pedersen H.* A Concise Comparative Celtic Grammar. Göttingen: Vandenhoeck & Ruprecht, 1961.
- Matasović 2009 – *Matasović R.* Etymological Dictionary of Proto-Celtic. Leiden, Boston: Brill, 2009.
- Olivieri 1965 – *Olivieri D.* Dizionario di Toponomastica piemontese. Brescia: Paideia, 1965.
- Pallottino 1981 – *Pallottino M.* Genti e culture dell'Italia preromana. Roma: Jouvence, 1981.
- Pellegrini 2008 – *Pellegrini G.B.* Toponomastica italiana. 10.000 nomi di città, paesi, frazioni, regioni, contrade, monti spiegati nella loro origine e storia. Milano: Ulrico Hoepli Editore, 2008.
- Perono Cacciafoco 2003a – *Perono Cacciafoco F.* 'Campale', quando la vita pulsava attorno alla Pieve. Noterella storica su Molare e i suoi monumenti // L'Ancora, 07.09.2003.
- Perono Cacciafoco 2003b – *Perono Cacciafoco F.* Il problema di 'Albuzola' e altri dubbi. Ancora sull'identificazione di toponimi incerti // L'Ancora, 26.10.2003.
- Perono Cacciafoco 2008 – *Perono Cacciafoco F.* La radice \*kar-/\*kal- e due toponimi liguri // Iter. Ricerche fonti e immagini per un territorio, 14, 2 (2008).
- Perono Cacciafoco 2009 – *Perono Cacciafoco F.* La radice pre-indoeuropea \*borm- (> \*bormo) in un idronimo ligure-piemontese // Iter. Ricerche fonti e immagini per un territorio, 17, 1 (2009).
- Perono Cacciafoco 2011a – *Perono Cacciafoco F.* 'Radici d'acqua'. Alle origini dei nomi dei luoghi. Castellazzo Bormida: Teatro Vocali Edizioni (Collana 'Fiori di Cactus') (2011).
- Perono Cacciafoco 2011b – *Perono Cacciafoco F.* Origines // Iter. Ricerche fonti e immagini per un territorio, 24, 2 (2011).
- Perono Cacciafoco 2011c – *Perono Cacciafoco F.* Tracce di pietra. Cenni inerenti all'Acquese tra il Paleolitico e l'età del Bronzo // Iter. Ricerche fonti e immagini per un territorio, 25, 3 (2011).
- Perono Cacciafoco 2012a – *Perono Cacciafoco F.*, Vicus ad aquam. L'origine del toponimo Squaneto // E.Camera (ed.). Squaneto. Appunti di storia, arte e cultura. Atti della Giornata di Studi in memoria di Don Angelo Siri. Acqui Terme: Editrice Impressioni Grafiche, 2012.



- Perono Cacciafoco 2012b – *Perono Cacciafoco F.* La lunga transizione. L'Acquese nell'età del Ferro // *Iter. Ricerche fonti e immagini per un territorio*, 26, 1 (2012).
- Pessina, Tiné 2008 – *Pessina A., Tiné V.* Archeologia del Neolitico. L'Italia tra VI e IV millennio a. C. Roma: Carocci, 2012.
- Petracco Siccardi, Caprini 1981 – *Petracco Siccardi G., Caprini R.* Toponomastica storica della Liguria. Genova: SAGEP, 1981.
- Pfister 1979 – *Pfister M.* Lessico etimologico italiano. Wiesbaden: Reichert, 1979.
- Pokorny 1959-1969 – *Pokorny J.* Indogermanisches etymologisches Wörterbuch. Bern, München: Francke, 1959-1969.
- Queirazza et al. 1990 – *Queirazza G.G., Marcato C., Pellegrini G.B., Petracco Siccardi G., Rossebastiano A.*, with the collaboration of *Papa E.* Dizionario di Toponomastica. Storia e significato dei nomi geografici italiani. Torino: UTET, 1990.
- Rivet, Smith 1979 – *Rivet A.L.F., Smith C.* The Place-Names of Roman Britain. London: B.T. Batsford Ltd, 1979.
- Serra 1931 – *Serra G.D.* Contributo toponomastico alla teoria della continuità nel Medioevo delle comunità rurali romane e preromane dell'Italia superiore. Cluj: Cartea Românească, 1931.
- Strabo www – *Strabo.* Γεωγραφικά (Geographica). 23 AD. <http://www.perseus.tufts.edu/hopper/text?doc=Strab.+toc&redirect=true>
- Untermann 2009 – *Untermann J.* Zur Problematik der alteuropäischen Hydronymie: Hispanien und Italien // *Beiträge zur Namenforschung*, 44, 1 (2009).
- Villar 1996 – *Villar F.* Los Indoeuropeos y los orígenes de Europa. Lenguaje e historia. Segunda edición corregida y muy aumentada. Madrid: Editorial Gredos, 1996.
- Wodtko, Irslinger, Schneider 2008 – *Wodtko D.S., Irslinger B.S., Schneider C.* Nomina im Indogermanischen Lexikon. Heidelberg: Winter, 2008.