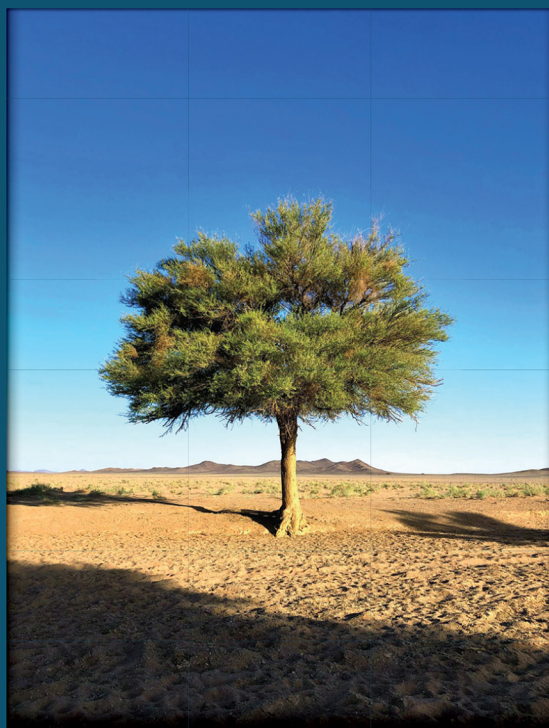


Diversity across the Arabian Peninsula Language, Culture, Nature

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Semitic Languages and Cultures 28

ISSN (print): 2632-6906

ISSN (digital): 2632-6914

ISBN Paperback: 978-1-80511-337-9

ISBN Hardback: 978-1-80511-338-6

ISBN Digital (PDF): 978-1-80511-339-3

DOI: 10.11647/OBP.0411

Cover image: Photo by Rabah Al Shammary, titled 'Wild Acacia tree, Ha'il, Arabian Peninsula', July 26, 2021; https://unsplash.com/photos/green-tree-on-brown-sand-under-blue-sky-during-daytime-e-UPgjjEwCM?utm_content=creditCopyText&utm_medium=referral&utm_source=unsplash.

Cover design: Jeevanjot Kaur Nagpal

The main fonts used in this volume are Charis SIL and Scheherazade New.

THREE SHEHRET TEXTS: BUILDING WITH FLORA*

*Janet C. E. Watson, Andrea Boom, Amer al-Kathiri,
and Miranda J. Morris*

1.0. Introduction

Traditionally the people of Dhofar enjoyed a close relationship with the natural world (Watson and Boom, in press). Local flora was used for food, fodder, building, medicines, and beautification. Several factors have impacted the use of local materials for traditional activities. Urbanisation has increased by over 70 percent since the 1970s: with many no longer living and working in the natural environment, MSAL community members have

* We thank our funders, the Leverhulme Trust, for supporting the Documentation and Ethnolinguistic Analysis of Modern South Arabian project (RPG-2012-599) from 2013 to 2016, during which time the texts presented in this chapter were collected, and for funding a Major Research Fellowship (MRF-2018-121) for Watson in 2019–2023, during which time the texts were transcribed and translated and the chapter was written; ELAR for archiving the texts; the Commonwealth Scholarship Commission for funding the second author's PhD; our consultants, Azad Musallam Ali al-Kathiri, Ahmad Suhayl Hardan, Mhud Saeed Ayrun, Said Baquir, Saeed al-Mahri, Umm Said, and Umm Muhammad; and an anonymous reviewer of this volume.

become alienated from a once intimate knowledge of the local ecology; the development of towns has involved building with new materials, including cement, breeze blocks and plastic; and the natural environment has itself changed as a result of overgrazing, changes in the monsoon rains patterns, and climate change. Recent research has shown a 33 percent decrease in vegetation cover in Dhofar between 1978 and 2018, caused to a significant degree by increased livestock herd sizes (Ball and Tzanopoulos 2020): between 1982 and 2012, populations of cattle, camels, and goats increased by at least 275 percent, 170 percent, and 96 percent, respectively (Ball et al. 2020). The texts presented in this chapter speak of a world that was once the norm in Dhofar and show a depth of local knowledge that younger generations of MSAL speakers no longer possess. Our aim in this paper is to present these unrehearsed texts as evidence of such local expertise and of the collaborative ways in which people worked in the hope that future research in linguistic anthropology and social geography will investigate the extent to which legacy linguistic material can assist in re-establishing close links between humans and the local ecology.

1.1. The Texts and the Speakers

For this chapter, we selected three texts describing the construction and materials involved in building shelters that had been collected during the Leverhulme-funded *Documentation and Ethnolinguistic Analysis of Modern South Arabian* (DEAMSA) (RPG-2012-599). The Shehret archive is hosted, along with archives of Mehri, Ḥarsūsi, Hobyōt, and Baṭḥari, by ELAR and the audio of

the texts can be accessed by typing the file name, provided here at the beginning of each text, into the search box at the link: www.elararchive.org. It is hoped that further work will be conducted both by us and by others on the audio and audio-visual texts collected during the DEAMSA project. The texts examined here were recorded on Olympus LS-11 digital audio recorders in Dhofar in lossless wav. format 44.1 kHz. The speakers, noted by code names, are members of three different tribes: Shahri (J004), al-Kathiri (J019), and Hakli (J020). J004 was in his late 30s, J019 in his 50s, and J020 in his early 40s at the time of recording. J004 lives in the central mountains in Halkot; J019 lives in, and was raised around, Jufa, in Eastern Dhofar; J020 was raised in Gabgabt in the central mountains, but during his adult life has spent significant periods around Dhalkut towards the Yemeni border with Oman. J020's speech patterns, however, are closer to those of Central Shehret than Western Shehret; thus, he has /b/ rather than /w/ as cognate of historical *w. None of the speakers reported speaking or hearing difficulties and the speech of all was considered by other Shehret speakers, including the third author, to be representative of the language.

Transcription was conducted using the free-download annotation tools *ELAN* and *Praat* (Boersma and Weenink 2017). The texts were transcribed from the audio in broad phonemic transcription in *ELAN* and then vowel qualities and stress were checked in *Praat*. This means that words are not transcribed in their lexeme form, but in their contextual form, resulting in occasional differing vowels and stress marks across different tokens of the same lexeme. Stress marks are given as acute accents on

stressed vowels where words have more than one vowel. A forward slash (/) indicates a pause in the text.

The first and fourth authors conducted the transcription and translation in consultation with the third author. The second author was responsible for §2.0. Descriptions of the flora mentioned in the texts were taken from Miller and Morris (1988) and from our consultants during fieldwork conducted as part of the second author's PhD study. The Latin botanical terms were taken predominantly from Miller and Morris (1988) and checked against *Plants of the World Online* (2022). Where particular flora had traditional uses beyond building, these are mentioned in §2.0.

1.2. Shehret Phonemic Inventory

The consonantal inventory for the Central and Eastern varieties of Shehret we examine is given in Table 1 (overleaf). There are three particularly interesting points regarding the consonant system of Shehret within Modern South Arabian: the alveolo-palatal fricatives, /š, ʃ, ẓ/, which are produced with salient lip protrusion (Bellem and Watson 2017) and are the cognates of the post-alveolar fricatives, /ʃ, ʃ, ẓ/, in the other Modern South Arabian languages; the voiced lateral /ẓ/, which most frequently occurs as an allophone of /l/, but may also function as a separate phoneme, as in *nuẓ* 'indigo'; and the pre-aspirated sonorants, /^hl, ^hm, ^hn, ^hr/, which occur in the offset to word-final stressed syllables in a

Table 1: Shehret consonantal phoneme table

	labial	dental	alveolar	post-alveolar	alveolo-palatal	palatal	velar	uvular	pharyngeal	glottal
plosive	<i>b</i>		<i>t</i> <i>d</i> <i>ɸ</i>				<i>k</i> <i>g</i> ¹ <i>q</i>			
fricative	<i>f</i>	<i>θ</i> <i>ð</i> <i>ʈ</i>	<i>s</i> <i>z</i> <i>ʃ</i>	<i>ʂ</i>	<i>ɕ</i> <i>ʝ</i> <i>ʑ</i>			<i>x</i> <i>g</i>	<i>ħ</i> (<i>ʕ</i>)	<i>h</i> (<i>ʔ</i>)
lateral fricative			<i>ɬ</i> <i>ɮ</i> <i>ɮ̥</i>							
lateral sonorant			<i>ɬ̥</i> <i>l</i>							
nasal	<i>^hm</i> <i>m</i>		<i>^hn</i> <i>n</i>							
rhotic			<i>^hr</i> <i>r</i>							
glide	<i>*w</i> ²					<i>y</i>				

closed set of function words and a few content words (Watson et al. 2023). Restricted to Central and Eastern varieties of Shehret (Al-Mašani 2014), the pre-aspirated sonorants lose their breathiness in utterance-medial position, particularly but not exclusively, before vowels or before ‘unbreathed’ (emphatic or voiced) consonants (Watson et al. 2023). The sonorant portion of both pre-aspirated and non-pre-aspirated sonorants is typically silent in utterance-final position (Watson et al., in press). The sets of

¹ Among some speakers in East and Central Dhofar, /g/ has the reflex /ɕ/, transcribed in the texts below as /j/.

² *w* is a historical phoneme in Central and Eastern Shehret, hence **w* in this table.

function and content words with breathy sonorants are given below in Tables 2 and 3.

Table 2: Shehret function words with final pre-aspirated sonorants

Words	Gloss
<i>aǧáʰl</i>	‘below’
<i>būʰn</i>	‘here’
<i>ǧaʰn ~ ǧoʰn ~ ǧohúʰn</i>	‘this (M)’
<i>ǧiʰn ~ ǧihúʰn</i>	‘this (F)’
<i>ǧokúʰn</i>	‘that (M)’
<i>huʰn</i>	‘there’
<i>izáʰn ~ izóʰn ~ izohúʰn</i>	‘these’
<i>izokúʰn</i>	‘those’
<i>lhokúʰn</i>	‘there’
<i>mənhúʰm</i>	‘of them (M)’
<i>mənkúʰm</i>	‘of you (MPL)’
<i>mənsɛʰn</i>	‘of them (F)’
<i>muʰn</i>	‘who’
<i>nḥaʰn</i>	‘we’
<i>olohúʰn</i>	‘over there’
<i>sɛʰn</i>	‘they (F)’
<i>šuʰm</i>	‘they (M)’
<i>tɛʰn</i>	‘you (FPL)’
<i>tuʰm</i>	‘you (MPL)’
<i>taʰn</i>	‘like this’

Table 3: Shehret content words with final pre-aspirated sonorants

Words	Gloss
<i>ʕiʰn</i>	‘eye; source’
<i>dʕiʰn</i>	‘areas of rocky plain’
<i>ǧoʰr</i>	‘blood’
<i>egmíʰl</i>	‘the camels’
<i>ɛʰr</i>	‘land (as opposed to sea)’
<i>ḥaʰl</i>	‘time; pressed oil’
<i>kuʰn</i>	‘horn; mountain peak’
<i>mǧɛʰr</i>	‘frankincense trees’
<i>riʰm</i>	‘tall; long’
<i>sɛʰm</i>	‘poison’
<i>šoʰr</i>	‘Sur [place name]’
<i>šḥɛʰr</i>	‘green mountains’
<i>tiʰm</i>	‘garlic’
<i>yuʰm</i>	‘day; sun’

Shehret has a large number of vowels in comparison to Mehri, Ḥarsūsi, Baṭḥari, and Hobyōt; however, several of the surface vowels are allophones of other vowels. The short vowels are *i*, *e*, *ɛ*, *ə*, *a*, *o*, and *u*, of which [ə] is generally restricted to unstressed syllables, [i] and [u] are frequently allophones of /e/ and /o/, respectively, in the environment of nasals, and [a] is frequently an allophone of /ɛ/ (Rubin 2014; Dufour 2016) in the environment of back consonants. The long vowels *ī*, *ē*, *ē̃*, *ā*, *ō*, *ō̃*, and *ū* occur phonemically in loan words and a few native words, and may result from sibilant–V(–guttural) or liquid–vowel metathesis, or from elision of intervocalic /b, m, y, *w/. Where intervocalic /m/ is elided, the resulting long vowel is nasalised. This is represented in the texts below with a superscript tilde, as in *ī̃*. Non-phonemic utterance-final post-consonantal vowels (usually [ɛ]~[e]) are noted in the text when they occur. Notes are provided in the first text in particular for interesting phonetic features: utterance-final post-consonantal vowels, possibly to ensure the consonant is sounded in the case of final sonorants; the realisation of utterance-medial words with final pre-aspirated sonorants; the glottalisation of final non-pre-aspirated sonorants in utterance-final position; silent utterance-final sonorants; and pre-glottalisation of ‘unbreathed’ obstruents.

2.0. Traditional Use of Flora for Building in Dhofar

This section describes the vegetation used in building two types of shelters: those for humans (*stōrta*) and those for livestock (*dīšāf*). It begins with a brief explanation of the data followed by

a description of the process of building the shelters and goes on to describe the plants and trees used for building. Numbers in round brackets refer to line numbers in the texts in §3.0.

The recordings describe the process of constructing buildings and which plants were used. The Shehret plant names were cross-checked with one of our older female Shehret language consultants and some of the information about how they are used also comes from her. The Latin names and descriptions of uses of the plants are from Miller and Morris (1988) and *Plants of the World Online (POWO)* (2022). Classification was again cross-referenced through a public international image database; while this is not scientific validation, it does indicate broad acceptance of the botanical nomenclature.

Traditional houses were called *strit*, plural *stôrta* in Shehret. They were circular buildings with walls made of stones, about the height of a man (J020 1.17). A hole was dug for the support pillar, *nṣābēt*, plural *nṣēb* (1.19), made from tree trunks (1.20). This was stabilised using stones (1.23) and plastered with clay (1.48). For larger *strit* buildings there were more than one of these pillars (1.21). The roof was made from crossbeams, *mšābḳaḳ* (1.8; J019 2.5), interwoven and layered with a variety of other plants and materials (1.36–37) to keep out rain during the monsoon period, *xorḑ*, and to provide shade the rest of the year (1.38). There were variations in how the houses were built (1.40)—some plants used are more readily available in some regions than in others. However, the general pattern of a circular building with a thatched roof supported by one or more roof-bearing pillars was universal across Dhofar except at the east end of the coastal

plain. The ruins of buildings for people and livestock byres can still be found in Dhofar today. Our consultant told us that the way these were built meant they could last a lifetime, were very well insulated, and were well-suited to the needs of the people.

The plants used depended somewhat on whether the *strit* was to be built on the sea-facing slopes, the coastal plain, or on the plateau above the fog forests. The following is a description of the plants mentioned in the texts, their Shehret name, their botanical name in Latin, where they grow in Dhofar, how they were used in the construction of buildings and finally, some other notable uses the plants had.

muṭīn—wild olive; *Olea europaea* (Miller and Morris 1988, 216; also for further uses)

Wild olive was once plentiful on the sea-facing slopes of the escarpment mountains, but over-harvesting has led to a steep decline in numbers. The tree was regularly harvested to produce the support beam, *nṣeb* (2.3), and the roof beams, *mšábḵaḥ* (2.5), of shelters (cf. also Tabook 1997, 36–37). It was considered the best wood available for this type of work, but grows only on the southern slopes of the escarpment, so would have been substituted for other wood in regions to the north. The wood was dried by tempering it in embers to remove the bark (2.14), which made it more resistant to insects.

In addition to being used for *strit* building, wild olive was used to make herding staffs (*xóṭróḵ*, plural *xatēṛaḵ*) (Tabook 1997, 38), and the ashes from burning the wood were used as fertiliser. Bees love the tree's flowers, and the resulting honey was highly prized. Cultivated varieties of this tree produce olives,

but the trees in Dhofar do not produce edible olives; only goats eat their fruit.

soğót—*Anogeissus dhofarica* syn. *Terminalia dhofarica*³ (Miller and Morris 1988, 102)

Anogeissus dhofarica is endemic to Dhofar. Historically it has been the dominant species in the escarpment forests and is still prolific today. In the past, the wood of this tree would be prepared by drying for two to three months then soaking through the monsoon season and drying again. After this, the bark would be removed and it would be ready for use as support pillars, *nṣeb* (2.5), for a *strit* building or as crossbeams, *mšábḵaf* (2.11), for the roof. Tabook (1997, 62) describes the green branches of *soğót* being used for building the roofs of shelters as well.

One of our consultants describes this tree as the ‘miracle tree’ because it has so many medicinal and practical uses. It is still used today as medicine and as a cleansing wash, particularly for women. This tree has traditionally also been a very important livestock fodder, especially leading into the monsoon season, when grazing is scarce. It was also used for making tools.

xīr—*Ormocarpum dhofarense* (Miller and Morris 1988, 172)

This shrub is endemic to Dhofar and can be found both on the sea-facing slopes of the escarpment and in some north-flowing wadis. It was traditionally used in *strit* construction for the curved doors and as the slim, whippy branches, *šīrīn*, woven into the roof (3.10). It was also used in construction of summer shelters of

³ This tree is categorised as *Terminalia* by POWO (2022), but according to Said Baquir (p.c.), the people of Dhofar still regularly refer to it as *Anogeissus*.

bowed branches covered with cloth (1.52) because the branches are long and supple. This shrub has also been an important fodder in the past.

ǧárád—*Grewia bicolor* (Miller and Morris 1988, 284)

This shrub grows throughout the escarpment mountains and around permanent water sources in the drier areas. Similar to *xīr*, *Ormocarpum dhofarens*, this shrub has long, supple branches used for making doors and weaving into the roofs of *strit* buildings.

The branches were also traditionally used for hand-tools and weapons, as well as for constructing baby cradles. It also produces edible fruit and leaves, which were an important food source.

ʿītét⁴—*Cordia perrottettii* (Miller and Morris 1988, 72)

This tree/shrub grows where there is water, whether that is a permanent water source or rainfall. It has wood that is similar in quality to that of the *muṭín*, *Olea europaea*, but will grow in places the *muṭín* trees will not—i.e., where there is little or no rainfall. The wood is resilient and close-grained, making it good for support pillars, *nṣeb*, in *strit* and *dākaf* buildings (2.15, 2.4). It has also been used for tool-making in the past.

sábxíd—*Cordia ovalis* (Miller and Morris 1988, 70)

This shrub grows across the southwestern region of the Arabian Peninsula with Dhofar as its eastern-most reaches. It is smaller than *ʿītét*, and produces edible fruit. Because of the fruit, its wood

⁴ Given as *ʿáyṭit* in Miller and Morris (1988) and by some of our consultants. The third author, based on his own consultants, gives it as *ʿītét*.

was less often exploited. Its wood is also not of as good a quality as that of *īītēt*.

īīsót—possibly *Indigofera oblongifolia* (Miller and Morris 1988, 170)

This shrub grows in drier areas of the coastal plains east of Mirbat. It grows to the height of a man and the branches can be used to make a herding staff, *xótrók*, carried by herdsmen traditionally from the age of twelve (Tabook 1997, 38). Before the introduction of metal fish traps, it also served for the construction of fish traps for the people living on the plains.

šo'—unknown

According to our consultants, this plant rarely grows in Dhofar today because it is too dry. Due to lack of an image, we were unable to identify it. It is said to be a plant similar to *īītēt*, but the wood was not as useful. This is likely to be another species of *Cordia*, possibly the one described in Miller and Morris (1988, 70) as follows: “Another unnamed and possibly new species of *Cordia* is found on Jebel Samhan and may occur in other similarly dry areas of Dhofar.”

hársūt—*Grewia tenax* (Miller and Morris 1988, 284)

This shrub grows in the drier areas of Dhofar on the north side of the escarpment mountains. Similar to *gárád*, *Grewia bicolor*, and *xīr*, *Ormocarpum dhofarense*, this shrub would be used for the door and the small, whippy branches, *sírín* (3.10), woven into the roof. This shrub was also an important food source in the drier areas where it grows.

‘atré—*Cissus quadrangularis* (Miller and Morris 1988, 289)

This is a climber that grows throughout Dhofar and indeed much of the tropical world. It is characterised by rectangular-shaped stems that are bare for much of the year. According to our consultant, it was used for keeping grass on top of *strit* roofs even in the wind. The stems are not eaten by livestock, so by encouraging the plant to grow up the walls and over the roof of a *strit* building, the other, more edible layers of the roof were protected from livestock as well. It was also prized as a shade-enhancer in trees that on which it climbed.

The new leaves during the monsoon period were eaten by livestock. The sap is very irritating to human skin, but could be used to clean out infected wounds on pack animals and to treat mastitis in livestock.

xfot—*Blepharispermum hirtum* (Miller and Morris 1988, 106)

This shrub is endemic to Dhofar and grows in the lower altitudes of the escarpment. It was one of the dominant species in monsoon forests in the past. Our consultant says it was used in the roofs of *strit* buildings, but the wood is not as strong as the *Olea europaea*, so it was less desirable for long-term buildings. It was also valued as firewood, because it would burn even when damp.

3.0. The Texts

3.1. Text 1

20131212_ShehretCJ_J020_buildingstret

(1.1) *tókħob lókum ʿáfēt ḡaʰn he aħmed er shel*

Good day. This is me, Ahmad ber Shayl

- (1.2) *er mḥād er ‘ayse er ḥardān / ḥalūtēl lókumē⁵ / išḥáyr*
 ber Mhad ber Ayse ber Hardan. I am going to tell you today
- (1.3) *b-étrít / estórta ‘áyun zók z ixódamsən yō*
 about *strit* construction, the buildings that people used to make,
- (1.4) *istórta yixódamsən yō / énfētē⁶ / yibgíd yō yilōd ‘ādōt*
 the buildings that people make; first people go and cut down
 suitable timber.
- (1.5) *yibgíd ešórəḥ*
 They go to the shrubbed slopes,
- (1.6) *ε-šəḥ de-ḥótərf ‘ar ūšēt q-o tīlōjš ūšēt lo her ol-‘od yixórb hérú⁷(m)*
 that they keep the livestock out of so that they don’t destroy
 the trees.
- (1.7) *ešórḥ de-ḥótərf ‘ar ūšēt q-o tīlōjš lo / yilōd mēš*
 The shrubbed foothill area that they keep livestock out of—they
 cut from it
- (1.8) *nəḥb / b-īlōd mēš mšābkəf*
 supporting pillars, and they cut roof beams from it
- (1.9) *b-īlōd mēš sīrī⁸(n)*
 and they cut long slim branches from it.
- (1.10) *bə-her ber aḡeyj flo ḡāj lōd u-ber / id-ūlm her ‘ādōt kālās*
 And when the man or men have cut, they prepare all the tim-
 ber.

⁵ Non-phonemic, utterance-final, post-consonantal vowel.

⁶ See footnote above.

⁷ Non-pre-aspirated sonorants are typically pre-glottalised and articulated silently in utterance-final position (Watson et al., in press).

⁸ See footnote above.

- (1.11) *yihótf* ‘ak *izók iz sóhum* *bə-yō iz hósór* *yí⁹ūr nhá^hn ha-nháḏár / strít*
/ bə-‘ájan tókum tikrē tu(n)

They fetch wood from there that they have, and people come along. They say, we are building a *strit* and we want you to help us.

- (1.12) *bə-yō yikírəb tātóhu(m)*

And people help each other.

- (1.13) *bə-ḡāj mənhum⁹ iz ber mágrób* *yí⁹ūr yō dan¹⁰ ḏílín* *yisbír yiháḏər /*
eḏílín yijódor / yigórb / ḏahún

And some men are well known [for being able to build]. They will say so-and-so knows how to build. So-and-so knows how to build walls, that one.

- (1.14) *yízḥúm yisún eyō b-ixódəm yō kal / fáxra*

They come and see the people and people all work together.

- (1.15) *yixódəm énfēt jídóre¹¹ / ḏe-fédnī¹²(n) / yisṭrekš hes hūkát*

First, they make the walls from stones. They make it circular.

⁹ Pre-aspirated sonorants lose their breathiness in utterance-medial position, particularly before vowels or ‘unbreathed’ (voiced or emphatic) consonants (Watson et al. 2023; in press).

¹⁰ See footnote above.

¹¹ Non-phonemic, utterance-final, post-consonantal vowel.

¹² Non-pre-aspirated sonorants are typically pre-glottalised and articulated silently in utterance-final position (Watson et al., in press).

- (1.16) *šeh de stǝrta íti mǝnsé^hn / mǝnsé^h(n)¹³ / stǝrta / ʿámḵúti / mǝnsén¹⁴
nšínúti*

Some *strit* buildings are large, some are medium, and some are small.

- (1.17) *yixódǝm ejódere¹⁵ / ɛd ber hes mišǝr ǝ-ǝey^j¹⁶*

They build the wall until it is the height of a man

- (1.18) *flo ǝaš xǝri^ʔ(n)¹⁷ / müt er ejódóre¹⁸*

or a little lower. When they have built the walls,

- (1.19) *yizḥúm bǝ-ʿádǝt / yizḥúm bǝ-nšǝbét^h / ʿámḵét*

they bring suitable timber, they bring the central pillar,

- (1.20) *ba^lét éršúnta*

the one with side branches.

- (1.21) *b-estǝrta mǝnsén íti yikín bísǝn zǝd mǝn nšǝbét ʔit mǝn nšǝbét ʔrut
bǝ-zǝ^ʔd*

And the large *strit* buildings have more than one supporting pillar and sometimes more than two,

- (1.22) *li-ḵídáre¹⁹ / éstrít*

according to the size of the *strit* building.

¹³ Assimilation of /n/ to /s/.

¹⁴ Pre-aspirated sonorants lose their breathiness in utterance-medial position.

¹⁵ Non-phonemic, utterance-final, post-consonantal vowel.

¹⁶ Pre-pausal glottalisation of ‘unbreathed’ (voiced or emphatic) consonant here and below.

¹⁷ Non-pre-aspirated sonorants are typically pre-glottalised and articulated silently in utterance-final position.

¹⁸ Non-phonemic, utterance-final, post-consonantal vowel.

¹⁹ Non-phonemic, utterance-final, post-consonantal vowel.

- (1.23) *haṣ ẓer ed-ḥofór hes ‘aḳ ‘amḳ b-érşún lis rḥim fédnín ber riṣ lis m-boh bə-m-boh in‘ót tənhezhe’z*

When they have dug out (a hole) for it in the middle and secured it well by piling stones around it here so that it doesn’t wobble,

- (1.24) *yizḥúm b-ĩšábḳaf / yṣḳa‘hum ‘aḳ eršúntēs a‘álíta*
they bring the roof beams. They put them in its upper branches.

- (1.25) *b-ixódəm b-ísójən ḥof / ε-ũšḳáf / yisójənš eṭer jídór*
and they work, they interweave the tip(s) into the roof beams and criss-cross them over the walls.

- (1.26) *hes / ed yikólbs l-εṭánə hes ḳédər / mənṭīh*
They make it like this, [in the shape of] a pot, on top.

- (1.27) *mit er sójún izahún ε-ber / u-bə-ẓer ēšábḳaf b-áḥtó‘(l)*
when they have interwoven those and laid them over the roof beams, they tie them in place.

- (1.28) *yihótəl / ed yóbḏorhum rḥim mən o yinhézhé’z*
They bind them. They know how to do it so that it doesn’t wobble.

- (1.29) *yizḥúm / bə-ssír‘(n) / yihóṭi bóhum*
Then they fetch long slim branches. They tie them in place.

- (1.30) *yihóṭi bóhum l-ĩšábḳaf izahún ed iḳalóbəs*
They tie them to those roof beams so that they make it

- (1.31) *his tá‘mer / ḏa-bek šson ḥánít iz*
as you would say, so that you have such-and-such

- (1.32) *iz ínēh šũāš / iz sok*
that, what’s its name? So, they are closely enmeshed

- (1.33) *haṭe berót hes tá‘mer d-ĩsīks rḥi‘(m)*
above, so that as you would say, it is well locked down.

- (1.34) *mit éttəmím ḡahúne*²⁰

When they have finished that

- (1.35) *ḡaṭe ḡahún bə-s̱r ḡahún bə-ss̱rín izahú^h(n)*²¹

above with this long slim branch, with those long slim branches

- (1.36) *izhúm bə-šaʿr*

they bring hay.

- (1.37) *b-izhúm / b-iróśáf lis b-irśís lis mənṭlh*

They bring [it] and press it down and place it in layers above

- (1.38) *ino / ino l-xlel / o-mən xorf*

so that it won't leak during the monsoon period.

- (1.39) *b-iróśaf ṭírəs*

And they tie that (i.e., the whole roof) down with rocks.

- (1.40) *bə-y̱ kō dē bə-xadmášš*²²

And people all have their own way of working.

- (1.41) *de mənhum*²³ / *yīʿūr nīróśáf / her ber ašólḡan o šóhum jízéd iz elhóti b-ejízéž*²⁴ *ḡahún*

Some people say we weigh the roof down with rocks and when we have done it well and they have hides of cows and those hides

- (1.42) *yifḻkí bóhum / her o-ʿod ol-áxxaʿ(l)*

they cover it with them so that it [the roof] won't leak.

²⁰ Non-phonemic, utterance-final, post-consonantal vowel.

²¹ Sonorant element of pre-aspirated sonorant silent in utterance-final position (Watson et al. 2023; Watson et al., in press).

²² Assimilation of /t/ to /š/.

²³ Lacks pre-aspiration, perhaps because speaker does not feel he has completed the utterance.

²⁴ Assimilation of /d/ to /ž/.

- (1.43) *bə-de yifóka bə-hérmíti ž*
And some people cover with vegetation that
- (1.44) *yikín ber d-úlám eśáʿr bə-hérmíti ž*
they have got ready, dried grass and vegetation that,
- (1.45) *iž də-reşşóhum kal řhiʿ(m)*
that they lay down neatly in layers
- (1.46) *ed išórǩs / yóşlaȟs káľs / mit éttámím mən xúnáť*
until they finish it, they make it all good. When they have finished from outside,
- (1.47) *yǝǰaȟ ʿám̌ǩas mən ȟá̌ǩáľ yinȟišas*
they go into it [the building] and inside they do the plastering.
- (1.48) *de yinȟóş̌ bə-ṭʿór*
Some plaster with clay.
- (1.49) *bə-de yikín də-xóďam̌ ṭ̌er şárf̌éť / də-wá̌daʿ / b-iróşaď olohúň yǝ̌kaʿ / yínşóf̌ şaʿr*
And some work on an area of flat bedrock and [...] and weigh it with rocks there and then put, spread out hay.
- (1.50) *yinşif̌ / şaʿř ḡahúň u-m̌goř yǝ̌kaʿ̌ ṭ̌iřaš ḡaş̌irť*
They spread out that hay and then they put fibre matting on top,
- (1.51) *o tfořȟ ʿar / ʿař ťş̌ēf̌*
and all you want to do is lie down and sleep.
- (1.52) *b-ixóďař ʿám̌kiš məň ḡáľ²⁵ məň ʿám̌ǩaš / məň ȟá̌ǩáʿ̌(l)*
They use [it] to make shade inside from below and from above.

²⁵ The pre-aspirated sonorant loses breathiness, particularly before ‘un-breathed’ (voiced or emphatic) consonants and vowels.

- (1.53) *yīštreke*²⁶ / *flo* / *hes tá'mer sóṭrór* / *flo xóṭók šúme*²⁷
 They make it or, as you could say cloths or clothes, they,
- (1.54) *izān ɛ-ksbɛ*²⁸
 those that were clothes
- (1.55) *min ʿámḵəs ʿad iḵolóbəs* / *o ʿok het šsun o sīrín b-o šsun žahún* /
tiḵtəlób ɛ-ta^hn / *tīlélɛ*²⁹
 from inside so that they make it such that you don't see the
 long, slim branches or those (other) things; it becomes just a
 place of shade
- (1.56) *b-ikín əd-škalíl ʿaḵ eṭórób o-yíhbi ʿaḵ aʿánték b-o še mənṭíh*
 so that you can protect yourself among the sticks and nothing
 will fall into your eyes from above.
- (1.57) *b-ixódəm* / *yīšerek mūsšəd* / *ɛ-ṣʾb*
 And they work, they make something to block the gap for the
 door.
- (1.58) *be-détmím éstrít yixódəm də-ʿod dīšáf* / *bə-ḥáḍrɪʿ(n)*³⁰
 When they have finished the *strit* building, they go on to build
 byres and pens
- (1.59) *her ūšét*
 for the livestock.

²⁶ Non-phonemic, utterance-final, post-consonantal vowel.

²⁷ Non-phonemic, utterance-final, post-consonantal vowel.

²⁸ Heavily pre-aspirated final /t/.

²⁹ Non-phonemic, utterance-final, post-consonantal vowel.

³⁰ Utterance-final /n/ pre-glottalised and articulated silently (Watson et al., in press).

- (1.60) *yigólk akter*³¹ / *edšáf exádím ter šárfét* / *de-her d-ijórf mgóra mǎnsér ūšét*

They look more ... the byres are built on an area of flat bedrock so that they can (i.e., more easily) muck out after the livestock.

- (1.61) *yigólk her šárfét*

They look for an area of flat bedrock.

- (1.62) *bə-yixódəm edákaf hes yihótf tahuín b-ilšd áđšthum her dšáf b-edákaf o ykin* / *yi'dól haťih hes estrít lo* / *ε-yš lo*

And they build the byre. When they have smoothed [that area], they cut down suitable timber for the byres and a byre won't be as high as a *strit* building for people.

- (1.63) *yikín dā-góttas xérín lékən* / *yša'anš*

It will be a bit smaller, but they make sure it is wide enough

- (1.64) *her* / *her ūšét* / *bə-ḏa^hn šeh yikín beš enšəb mékən*

for the livestock and it will have lots of supporting pillars;

- (1.65) *o tit b-o trut yikín nšəb*

not one or two, there will be [lots of] pillars.

- (1.66) *iz her təslələn ḏihún áđšt ḏihún bə-tšérkənš*

When those poles have been carried, they make it.

- (1.67) *u-mit étmím edákaf her elhóti iti* / *išrek* / *hádór*³²

And when they have finished the byre for the big cows, they make smaller pens

- (1.68) *her šitár enišú'n* / *z-ihulšhum élhú^h(n)*

for the small female calves into which they put them for the night.

³¹ Arabic.

³² Tabook (1997, 62).

- (1.69) *b-ištrek gódeʿ ʔa^hn her*

And they will make a depression like that for,

- (1.70) *b-eḡódeʿ hóhum kal her éstrít bə-her eyǝ́ bə-her edákəf*

they have a depressed area for all of them, for the *strit* building
and for the byre.

- (1.71) *b-izá^hn sen istǝ́rta ʒ ixódəm yixódəmsən ʿayún zók bū^h(n)*

And that is about the *strit* buildings that people used to build
here.

- (1.72) *bə-ḥayyākum allāh³³*

May God keep you well.

3.2. Text 2

20131027_ShehretEJ_J019_buildingshelters

- (2.1) *edǝ́šǝ́f / b-estǝ́rta*

Livestock byres and *strit* buildings

- (2.2) *tkinən bə-šǝ́r³⁴ o ykin še bə-ʃolót lo*

are in the mountains. They are not found in the eastern area
[east from Mirbat to Hadbin].

- (2.3) *edǝ́šǝ́f yilǝ́d hóhəm ḡǝ́j ʿádǝ́t mən ǝ́ǝ́tʔ(n) / bə-sǝ́gót / bə-xǝ́(r)*

For byres, men cut suitable timber from *Olea europaea* (wild
olive) and *Anogeissus dhofarica* and *Ormocarpum dhofarense*.

- (2.4) *bə-her ber šóhum ʿádǝ́t bə-nǝ́ǝ́b / yišǝ́rek enǝ́ǝ́t nǝ́ǝ́b*

And when they have timber and pillars. First, they make the
supporting pillars,

- (2.5) *u-mǝ́góre ǝ́šǝ́bǝ́kəf*

and then they do the roof beams,

³³ Arabic.

³⁴ Pre-aspirated sonorant loses breathiness utterance-medially.

- (2.6) *u-mgóre juśí*
and then they collect whippy, green branches to interleave between the larger ones to make roofing.
- (2.7) *jósé jósé jósó / tórób kítinú'(n)*
They collect whippy, green branches, slender pieces of timber.
- (2.8) *u-mgor ínɛ(t)³⁵ śśá'óro'(n)*
Then the women collect dried grass.
- (2.9) *b-efokén bə-śa'r manṭih / ɽer éstrít*
They cover it [the roof] with dried grass from above on the *strit* building
- (2.10) *bə-ɽer edákəf / b-ikín dákəf b-ikín strít / bə-xatérək*
and on the byre. It could either be a byre or a *strit* building.
And... and (as for) herding staffs.
- (2.11) *yō yilśd xatérək / śímti ž-hérmít*
People cut herding staffs. The names of the trees?
- (2.12) *ṡṡt'(n) / yilśd mēs yō xótrók*
[are] *Olea europaea*. People cut from them to make a herding staff,
- (2.13) *b-her ber lśdāš yikbīš 'ak śō'ɽ*
and when they have cut it, they fire-harden it in the embers of a fire,
- (2.14) *bə-her ber kēs yikósar 'āš ekésrót bə-ykin xótrók*
and when they have fire-hardened it in the embers, they remove the bark, and it becomes a herding staff.
- (2.15) *ṡṡt'(n) / bə-gárád / bə-ṡṡét / bə-śábxɽ'd / bə-ṡśót / bə-šo'*
The wild olive, *Olea europaea* and *Grewia bicolor* and *Cordia perrottettii* and *Cordia ovalis* and *Blepharis dhofarensis* and *šo'*

³⁵ Partial assimilation to /ś/.

- (2.16) *bə-ḥársūt*
and *Grewia tenax*.
- (2.17) *ḍanúh ykin menhúm xaṭṭərək lékən o lébr ízók rhāt lo / rhāt bass*
ṭṭiʔ(n)
Those are the ones they make herding staffs from but those
aren't as good as those other ones. The best is the wild olive,
- (2.18) *b-eḡárád b-eṭṭét / zan³⁶ rhāt*
then *Grewia bicolor* and *Cordia perrottettii*. Those are good,
- (2.19) *bə-sérohəm ḥársūt*
followed by *Grewia tenax*.

3.3. Text 3

20131008_ShehretCJ_J004_makingcowshelters

- (3.1) *mḥūd ber 'áyrún / 'áyun zók / 'áyun zók yō o šóhum o še ḥanít*
tébuḵ b-o še smīt³⁷ b-o še smīt mändún ašjār³⁸
Muhammad ber Ayrun. In the past, in the past, people didn't
have-whatsit-breeze blocks. They had no cement, only trees
- (3.2) *b-ašjār izohún yilšd ašjār izokún b-išírek edīšáf*
and those trees, they cut down trees and made the byres.
- (3.3) *b-išírek dišáf b-išírek stórta*
They made byres and *strit* buildings for people.
- (3.4) *estórta her yō / yǝjaḥ 'ámḵísən yō*
The *strit* buildings for people, people went into them
- (3.5) *b-išíf 'ámḵísən / b-edīšáf her ūšét her élhóti*
and slept in them and the byres were for livestock, for cows.

³⁶ /n/ assimilates to /r/.

³⁷ English 'cement'. Repeated below.

³⁸ Arabic. Repeated several times below.

- (3.6) *b-edišáf ykin beš ed kun dákəf eb ykin beš nəseb məkən*
And the byres, if it was a big byre—it would have lots of pillars.
- (3.7) *b-ed kun dákəf nışán ykin beš nəseb məkən lo*
And if it was a small byre there wouldn't be many pillars
- (3.8) *bə-her ھا-yxódum yō dákəf yibgíd yō her ʿasirét gēj bə-flo ʿásəri gēj*
b-īlśd ʿádśt
and when people were going to build a shelter, ten or twenty
men would go and chop suitable timber
- (3.9) *ʿádśt yīlśd enşəb*
suitable timber, they would chop for pillars
- (3.10) *ʿádśt yīlśd enşəb / b-īlśd ẽşábəkəf b-īlśd sírín*
suitable timber, they would chop down timber and roof beams
and whippy, green branches for thatching
- (3.11) *b-īdślhəm bə-her ber ʿak ẽnzıl yihófər her enşəb*
and they would carry them and when they were back home,
they would dig holes for the posts.
- (3.12) *yihófər her enşəb ʿak ʿamk ɛ-dákəf*
They would dig holes for the pillars in the middle of the byre.
- (3.13) *ykin ber jódór edákəf ber jódórş mífri*
They would have built the walls of the byre; they would have
built double walling.
- (3.14) *ber jódór dákəf də-kun eb b-ed-kun nışán b-ed kun dákəf eb / yihófər*
her enşəb məkən ʿak ʿamk ɛ-dákəf
And the walls of the byre would be big or small. If the byre was
big, they would dig holes for lots of pillars in the middle of the
byre,
- (3.15) *b-ísólá ʿtírış b-ẽşábəkəf*
and they would place the beams on top.

- (3.16) *bə-min ɬer ẽšábɕəf yišórək eríkréke*³⁹
On top of the beams, they would put soft soil.
- (3.17) *u-mgór yšérek sírín*
And then they would put small, whippy, green branches [on top].
- (3.18) *bə-her ber šérek sírín ber šérek erkərék*
After they had put the whippy, green branches on top and placed soft soil,
- (3.19) *yifíke liš bə-ša'r 'ayún zók / nāša ol-ʿad še ša'r lo yifíke liš bə-
torú'(l)*⁴⁰
they would cover it with dried grass. That was in the past. Now people don't have dried grass, so they roof it with tarpaulin.
- (3.20) *bə-nāšənu ol ʿad de d-ĩšérok de dišáf iz 'ayún zók lo məndún ɬad
ɬa'd / ɬad ɬa'(d)*
Now no one makes byres like in the past, apart from the odd one.
- (3.21) *nāšan yišírek ɬébúk*
Now they use breeze blocks.
- (3.22) *b-ĩšírek smīt / b-ĩšírek albóh bə-šínkó / bə-bléwət*⁴¹
They use cement and [commercial] planking and corrugated iron and plywood.
- (3.23) *lékən 'ayún zók yšérek edáɕəf ār ašjār*
But in the past, they made byres just from trees.
- (3.24) *b-edáɕəf ɛšjār tkosš šē'(l)*
A byre made from wood you would find cool.

³⁹ Non-phonemic, utterance-final, post-consonantal vowel.

⁴⁰ From English 'tarpaulin'.

⁴¹ From English 'plywood'.

(3.25) *tkosš ēḱat ε-ḥarr⁴² šē'(l)*

In the hot period, you would find it cool.

(3.26) *b-ēḱat ε-ḥōr júnú*

and in the cold period you would find it to be shelter.

(3.27) *línáh ykin*

because it would be

(3.28) *l-iṭabī'ah⁴³ l-iṭabī'ah / ed kun šēl [sic] ed kun ḥōr*

adapted to the environment, the environment. If it was cold, if it was cold weather,

(3.29) *ykin júné b-ed kun edak⁴⁴ ykin ḥánít*

it would be sheltered and if it was stifling and close, it would be such-and-such.

(3.30) *ykin šē'(l) / bə-līnah ḥanít iz ašjār*

It would be cool because of that whatsit—natural wood.

(3.31) *bə-dīn eṭabī'at⁴⁵ ε-yō ε-seh bə-šḥε^hr*

And that was the way people lived in the mountains.

(3.32) *ε-seh bə-šḥεr 'ayún zok / éstrít*

That was the way in the mountains at that time, making a building for people

(3.33) *éstrít tkin mən stōrta yišīf 'ámḱísən yō*

A *strit* was of.... Buildings people would sleep in,

(3.34) *b-išúnf bísən bə-ša'r*

and they would cover them with thatch

⁴² Arabic.

⁴³ Arabic. Repeated twice below.

⁴⁴ Good example of lenited /k/, realised as velar fricative.

⁴⁵ Arabic.

- (3.35) *b-ikin ʿámķísən ʿōrs b-išīf ʿámķísən yō*
they would have a raised area in them, and people would sleep
in them.
- (3.36) *b-edákəf her ūšēt*
And the byre was for livestock.
- (3.37) *bə-ḡan ε-šeh ḡal / nāšan ol ʿod išéřeksən yō lo / edīšáf ízanúh ʿad
išéřekhəm yō lo / nāšan ṭad ṭaʿ(d)*
And that was how it was. But now, no one makes them any-
more. Those byres aren't built anymore, just the odd one,
- (3.38) *ḡeyj ḡeyʿj / ḡeyj ḡeyj bə-šhēʿr*
the odd man, the odd man in the mountains
- (3.39) *tkoš ed-išéřek dákəf ε-ʿādōt*
you would find making byres from timber.
- (3.40) *ʿādōt yīštūm yīštūm ʿādōt ūṭīʿ(n)*
They would buy suitable timber of olive wood
- (3.41) *her kúnút ʿādōt muṭīn ḡárdét ūṭīn ḡárdét*
and if the timber were of olivewood, they would be strong.
Olivewood is hard wood.
- (3.42) *yīštūm ʿādōt d-írót mən zəbēn*
They would buy well-seasoned wood,
- (3.43) *b-ixédəm beš dákəf / b-ikín ḡahún dákəf šēl bə-tərtāh⁴⁶ beš ūšēt*
and build a byre from it. The byre would be cool and the live-
stock would feel happy in it.
- (3.44) *nāšan edīšáf iz-samīt / mušēt ol ərṭōḡót bóhum lo*
Now byres are made from cement and animals don't like them.
- (3.45) *tkin smīt jīšfšīf*
The cement would be rough,

⁴⁶ Arabic.

(3.46) *b-ol ʔrtšhót bóhum lo b-ikín edək*⁴⁷
and they wouldn't be happy. It is stifling.

(3.47) *šínkó / bə-blěwət / yikín edk*
Corrugated iron and plywood are stifling.

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⁴⁷ Lenited /k/, realised as velar fricative.

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