Digital Language Resource Development

The COLRC 2.0

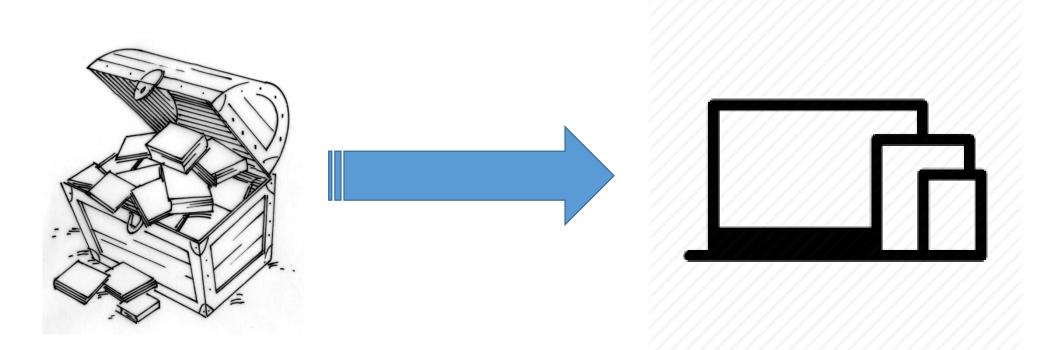


project supported by the national science foundation awards BCS-1160627 and BCS-1160394 Amy Fountain, University of Arizona Dept of and the national endowment for the humanities award PD-261031-18. Linguistics

Links

- Information and resources about digital language resource development: <u>https://tinyurl.com/colrcdigital</u>
- The current Coeur d'Alene Online Language Resource Center (COLRC 1.0): <u>https://tinyurl.com/colrc-current</u>
- The COLRC 2.0: coming soon ...

'Grass roots' digital resource development

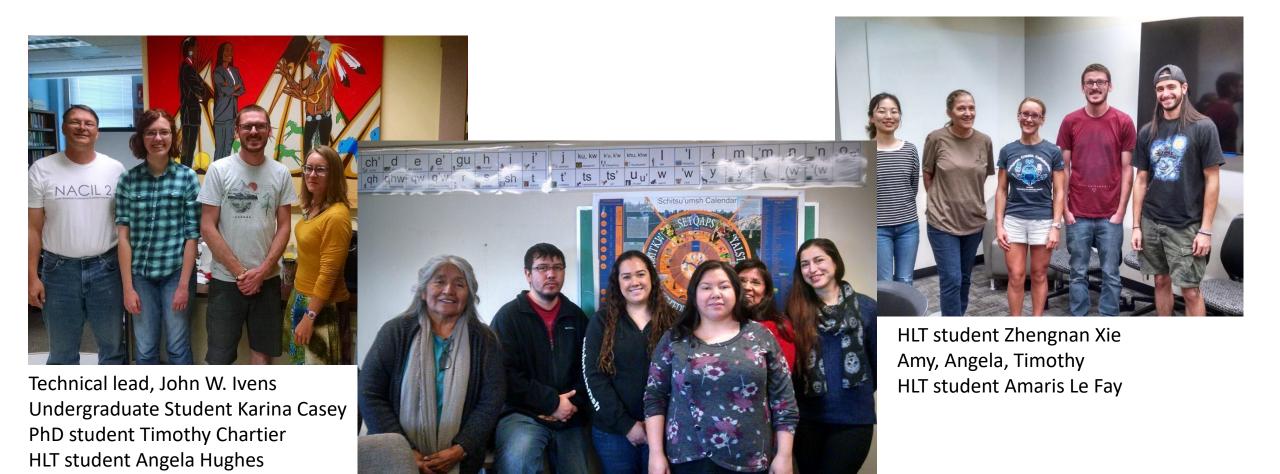


Appropriate access to serve community needs; Safe storage in the digital sphere; Designed for the resources we have, and the communities we serve

'Grass roots' digital resource development

- As much as possible, use low and no-cost technical resources for development
- Focus on learnability and sustainability in choices about formats, technology, and infrastructure
- Done by volunteers, including students, who gain important experience along the way
- Small-scale, learn-as-we-go, 100% driven by specific community needs

Contributors and Learners in Tucson



Regents Professor and AILDI Director Ofelia Zepeda, AILDI Program Coordinator Alyce Sadongei and NAMA/PhD Student Wunetu Tarrant visiting Coeur d'Alene Language Programs in March 2019

First, the purpose

Mission and goals, categories proposed by Chang 2010

- Designated Community
- Ongoing Relationship
- Access
- Preservation
- Infrastructure

- Financial Sustainability
- Disaster Preparedness
- Succession Plan
- Submission

Then, the resources

- Identifying what's appropriate to include
- Digitizing what you already have (paper, audio, video)
 - Standards for digital resources are always changing
 - Always keep originals too
- Finding materials in existing archives (universities, libraries, museums)
- Making new resources that are 'born digital'

Stuff that's needed

- Something for scanning paper files to create pdf or images
- A desktop or laptop computer that can run modern applications (Mac, PC or Linux)
- A high-speed internet connection
- (At least one technical expert who is willing to provide guidance)
- (Access to a server, or space in 'the cloud', or both)

The Open Source Ethos – a Resource!

- 'Open source' means that people share the code that they create;
- And they share their experiences;
- And they are often quite willing to help;
- And they've also had that problem you're having at this stage in development

Step by Step

- Hypertext Markup Language (HTML) and a set of files web pages that are mostly static...but you can have text, audio, images, video
- ...add a little Javascript and PHP to your HTML, and you can get things that are more dynamic
 - (CAOLR <u>http://lasrv01.pfw.edu/crd_archive/start1.html</u>)
 - (COLRC <u>http://lasrv01.pfw.edu/COLRC/</u>)
- ...big step to a database 'MySQL', and something like 'node', 'react', 'graphQL'

Lots of free and low-cost courses

- W3Schools
- CodeAcademy
- KhanAcademy
- Coursera
- EdX

...

۲

← → C ③ ▲ https://www.w3schools.com	··· ☆ 🔤 🗏
WBschools.com Tutorials - References - examples - exercises -	THE WORLD'S LARGEST WEB DEVELOPER SITE
HTML and CSS Learn HTML Learn CSS Learn Bootstrap Learn W3.CSS Learn Colors Learn Graphics Learn Graphics Learn How To Learn Sass JavaScript Learn JavaScript Learn AgularJS Learn AgularJS Learn MW.15	<pre>HTML Example:</pre>

	^	🕞 🔂 Inspec 🖸 Const 🗅 Debug {} Style Ed 🎯 Performa 🕼 Mem	🖅 Netw 😫 Stora 🖽 🗸	>
oeur d'Alene Online Lar	nguage Resource Center	+	Q Search HTML	
oeur a Alene Onnne Lai	iguage resource center	html		
		<html xml:lang="en" xmlns="<u>http://www.w3.org/1999/xhtml</u>"></html>		
		head> (m)		
		<pre>w <body> w <div id="topMenu"></div></body></pre>		
About t	he COLR(<pre>> <header id="topMenu_home"></header></pre>		
, and a second				
		<pre>w <div id="leftMenu"></div></pre>		
		<pre><aside id="leftMenu_about"></aside></pre>		
		<h4>in the archive</h4>		
original archive	mission statement history of materials	▶ > 		
		<pre>> > > > </pre>		
))		
	About this site	▶ 		
in the archive	About this site	<pre>> > (1i> </pre>		
li 190 × 21	This resource contains the Coeur d'Alen	<pre>> > (li> > > methodological notes</pre>		
about	1.400 roots and about 7690 "word" forn	▶ 		
		<pre>> > (li> </pre>		
spelling and pronunciation	roughly 200 affixes, and over 1,200	>source files 		
guide	1927–1929 field notes and typed ma			
root dictionary	Resources to help with spelling and pro	<pre>> </pre>		
stem lists	vowel phonemes of Coeur d'Alene, a cor			
affix list	used to write Coeur d'Alene (Nicodemu	<pre>~ <div id="container"></div></pre>		
texts	working bibliography is also included, a	<pre><article id="main"></article></pre>		
audio files	5 5 1			
methodological notes	The archive also links to Ivy Doak's grai	This resource contains the Coeur d'Alene Root Dictionary<!--</td--><td></td><td></td>		
bibliography	d'Alene material include the following:	(a7	
uningrahity	Teit's Coeur d'Alene "tales" which inclu	html > body > div#container > div#main_top > article#main > p		

The data = a 'delimited' text file

0:::Va:::Va:::1:::a:::a:::+ hello. (gr.)

0:::va:::va:::2:::a:::a?::so. (lit. Is that so?), (adv.)

0:::√a:::√a:::3:::a·:::aaaa...!:::cut out, knock off!, quit, stop. (lit. Cut it out!, Knock it off, quit it, Stop it!), (imper.)

0:::va:::va:::4:::aye:::aye:::hey. (adv.)

1:::vb:::vbc:::1:::buc:::buts:::+ boots. (n.)

1:::Vb:::Vbc:::2:::ec+búc+buc=šn:::etsbutsbutsshn:::// boots (to be wearing...). ((lit. He is wearing boots), n.)

The data = a 'delimited' text file

0:::Va:::Va:::1:::a:::a:::+ hello. (gr.)

0:::va:::va:::2:::a?::so. (lit. Is that so?), (adv.)

0:::Va:::Va:: out!, Knock			Salish	Nicodemus	
0:::va:::va:	√a				
1:::Vb:::Vbc	√a	1	a	a	† hello. (gr.)
		2	a	a?	so. (lit. Is that so?), (adv.)
1:::Vb:::Vbc		3	a·	aaaa!	cut out, knock off!, quit,
wearing).					stop. (lit. Cut it out!,
0,					Knock it off, quit it, Stop
					it!), (imper.)
		4	aye	aye	hey. (adv.)

\leftrightarrow \rightarrow C (i) localhost:3000	120% 🚥 🏠 💆	≡
Roots Stems Affixes Texts Audio Spelling Bibliography Contact Elicitations		×
Roots Stems Affixes Texts Audio Spelling Bibliography Contact Elicitations COLRC Coeur d'Alene Online Language Resource Center Image: Coeur d'Alene Online Language Resource Center Image: Coeur d'Alene Online Language Resource Center Image: Coeur d'Alene Online Language Resource Center About Mission Statement History of Materials Image: Coeur d'Alene Online Language Resource Center Image: Coeur d'Alene Online Language Resource Center About Mission Statement History of Materials Image: Coeur d'Alene Online Language Resource Center Image: Coeur d'Alene Online Language Resource Center	<pre></pre>	
 Designated Community The primary target for resources within the COLRC is the Coeur d'Alene community. In addition, linguists and the wider scholarly community will find resources in the COLRC of interest. 	<pre> <div class="ui content"> <div class="ui mini menu"></div> free <div class="ui content"> </div> </pre>	
Ongoing Relationship	div class="content active"> 	
► Access	In addition, linguists and the wider scholarly community will find resources in the COLRC of interest.	-
Preservation	<pre> </pre>	
Infrastructure	html > body > noscript Rules Computed Layout Animations For	ts
Financial Sustainability	▼ Filter Styles □ Browser	

accordions

- AffixesAccordion.js
- AudioAccordion.js
- BibliographyAccordion.js

•

۲

- ElicitationsAccordion.js
- HomeAccordion.js
- RootsAccordion.js
- SpellingAccordion.js
- StemsAccordion.js
- TextsAccordion.js
- affixes
- audio
- bibliography
- contact
- elicitations
- home
- more
- **queries**
- 💼 roots
 - </>
 AddRoot.js
 - EditRoot.js
 - RootColumns.js
 - </>
 </>
 </>
 Roots.js
 - RootsDictionary
 - RootsHistory.js
 - RootsMetadata.js
- search
- settings
- spelling

- import React, { Component } from 'react';
- 2 import { Link } from "react-router-dom";
- 3∨ import {
- ••••Accordion,
- ••••AccordionItem,
- ••••AccordionItemTitle,
- ••••AccordionItemBody,
- 8 } from 'react-accessible-accordion';
- LOV class HomeAccordion extends Component {
- $11 \lor \cdots$ render() \cdot {
- 2 ·· *const* homeIntro =
- - 14 ·· -- -- <AccordionItem>
 - 15 V ·· AccordionItemTitle>

 - 17 ·····Site history

 - 0 ·· /AccordionItemTitle>
 - - --- The original Coeur d'Alene archive was created by Shannon Bischoff and Musa Yassin Fort in the
 - summer of 2009. The original website was created without any prior web design/building knowledge

The data = a database record

"id": 0, "root": "a", "number": "1", "nicodemus": "a", "salish": "a", "symbol": "+", "english": "hello", "grammar": "gr." },

Q s	earch [Sea	arch		Clear						
	Root 🛛	Sense ■	Salish 🗹	Nicodemus 🛙	English	Symbol 🗹	Grammar 🗹	Xref ∎	Variant 🔳	Cognate
Root	Salish		Nico	demus			English		Sym	Gramma
√a	а	а				nello.			†	gr.
Va	а	a?				so. (lit. Is that so?	?),			adv.
Va	a•	aaaa!				cut out, knock of Knock it off, quit		. Cut it out	!,	imper.
√a	aye	aye				ney.				adv.

Digital Language Resource Development

- Most languages are/have been written using different alphabets ... for very good reasons.
- Each alphabet is useful for some purposes, but not for others.
- The COLRC has materials written in at least 3: 'Nicodemus', 'Salish', and 'Reichard'

A moment with spelling...

G localhost:3000/spelling ← 120% … ☆ $\mathbf{\overline{\mathbf{v}}}$ ••• Elicitations Q Roots Stems Affixes Texts Audio Spelling Bibliography Contact

Spelling and Pronouncing Coeur d'Alene

		Nico	demus 🗹 Reichard 🗹 Sal	ish 🗹 English 🗹 Note 🗹
		List of Symbols		
Nicodemus	Reichard	Salish	English	Note
а	а	а	father	
<u>a</u>	á	á	father	underlines or accents indicate the vowel is stressed
b	b	b	bat	
ch	tc	č	church	
ch'	tc'	Č'	no example	
ts	ts	с	tsitsi fly	
ts'	ts'	c'	no example	
d	d	d	dog	
е	ä	ε, e	egg	

A moment with spelling...

\leftarrow \rightarrow	C i l	ocalhost:3000	120% … 🏠	⊻ …	8							
*	Roots	Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitations		Q	۵
ç	Spelling and Pronouncing Coeur d'Alene											

		Nicodemus 🗹 🛛 Reichard 🛛	🛛 Salish 🗹 English 🖻 Note 🗖										
List of Symbols													
Nicodemus	Reichard	Salish	English										
1	•	?	uh - oh										
'(R'	۲'	no example										
'(w	۲'w	۲'w	no example										
Ч	ľ	P	no example										
'm	m'	m'	no example										
'n	n'	n'	no example										
'r	r'	r'	no example										
'w	w'	w'	no example										

A choice for usability...let viewers decide

*	Roots	Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitations		Q	ප			
L	Lyon and Green-Wood's Root Dictionary														
	Tap to launch virtual keyboard														
	Q Se	arch	Search			Clear									

	Root 🗹	Sense 🗖	Salish 🔳	Nicodemus 🗹	English 🗹	Symbol	Grammar 🔳	Xref ■	Variant 🗖	Cognate 🗖			
Root			Nicodemus			English							
√a	а					hello.							
√a	a?					so. (lit. Is that s	o?),						
√a	aaaa!					cut out, knock off!, quit, stop. (lit. Cut it out!, Knock it off, quit it, Stop it!),							
√a	aye					hey.							
√bc	buts					boots.							
√bc	etsbutsbutsshn					boots (to be we	earing). (lit. He	is wearing	gboots)				

Viewers can choose to see more...

^	Roo	ts Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitations		۹	ප
		Tap to launc	n virtual keybo									
		Q Sear	ch Sea	arch		Clear						

			Root 🗹 Sense 🗹 Salish 🛛	I Nicodemus 🗹 English 🗹 Symbol 🗹	Grammar	🗹 🗹 Xref	Variant I	🗹 Co	gnate 🗹
Root	Sense	Salish	Nicodemus	English	Sym	Grammar	Xref	Var.	Cog
√a	1	а	а	hello.	†	gr.			
√a	2	а	a?	so. (lit. Is that so?),		adv.			
√a	3	a•	aaaa!	cut out, knock off!, quit, stop. (lit. Cut it out!, Knock it off, quit it, Stop it!),		imper.			
√a	4	aye	aye	hey.		adv.			
√bc	1	buc	buts	boots.	†	n.			
√bc	2	ec+búc+buc	etsbutsbutsshn	boots (to be wearing). (lit. He is wearing boots)	//	n.			

Let's take a tour...

 In production COLRC1.0: <u>https://tinyurl.com/colrc-current</u>

• In development: localhost:3000



\leftarrow	→ C i localhost:3000 120% ···· ☆ ⊻											⊻	8
*	Roots	Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitations			۹	ප
)	
	COLRC	Coeur	d'Alene Onli	ine Langua	ge Resourc	e Center							

Aaterials			
-----------	--	--	--

This resource contains the Couer d'Alene Root Dictionary (Lyon and Greene-Wood 2007) with nearly 1,400 roots and about 7690 "word" forms, Reichard's 1939 Stem List with some 1,300 stems, a list of roughly 200 affixes, and over 1,200 pages of Coeur d'Alene texts (copies of Gladys Reichard's 1927-1929 field notes and typed manuscripts) and English translations from Reichard 1947. Resources to help with spelling and pronunciation of Coeur d'Alene include lists of the consonant and vowel phonemes of Coeur d'Alene, a comparison of the three different orthographies most commonly used to write Coeur d'Alene (Nicodemus, Reichard, and Salishan), and a guide to pronunciation. A working bibliography is also included. This bibliography continues to be updated as we identify additional resources.

Site history	\sim
Addition of resources	\sim
Links to External resources	\sim

coeur d'alene online language resource center copyright 2009

project supported by the national science foundation awards BCS-1160627 and BCS-1160394 and the national endowment for the humanities award PD-261031-18.

	C' i l	ocalhost:3000								120% … 🏠	⊻	••	:
*	Roots	Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitations		۹	ع .	3
	COLPG	Coeur	d'Alene Onl	inelangua	nge Pesouro	e Center							

ials		
------	--	--

This resource contains the Couer d'Alene Root Dictionary (Lyon and Greene-Wood 2007) with nearly 1,400 roots and about 7690 "word" forms, Reichard's 1939 Stem List with some 1,300 stems, a list of roughly 200 affixes, and over 1,200 pages of Coeur d'Alene texts (copies of Gladys Reichard's 1927-1929 field notes and typed manuscripts) and English translations from Reichard 1947. Resources to help with spelling and pronunciation of Coeur d'Alene include lists of the consonant and vowel phonemes of Coeur d'Alene, a comparison of the three different orthographies most commonly used to write Coeur d'Alene (Nicodemus, Reichard, and Salishan), and a guide to pronunciation. A working bibliography is also included. This bibliography continues to be updated as we identify additional resources.

Site history

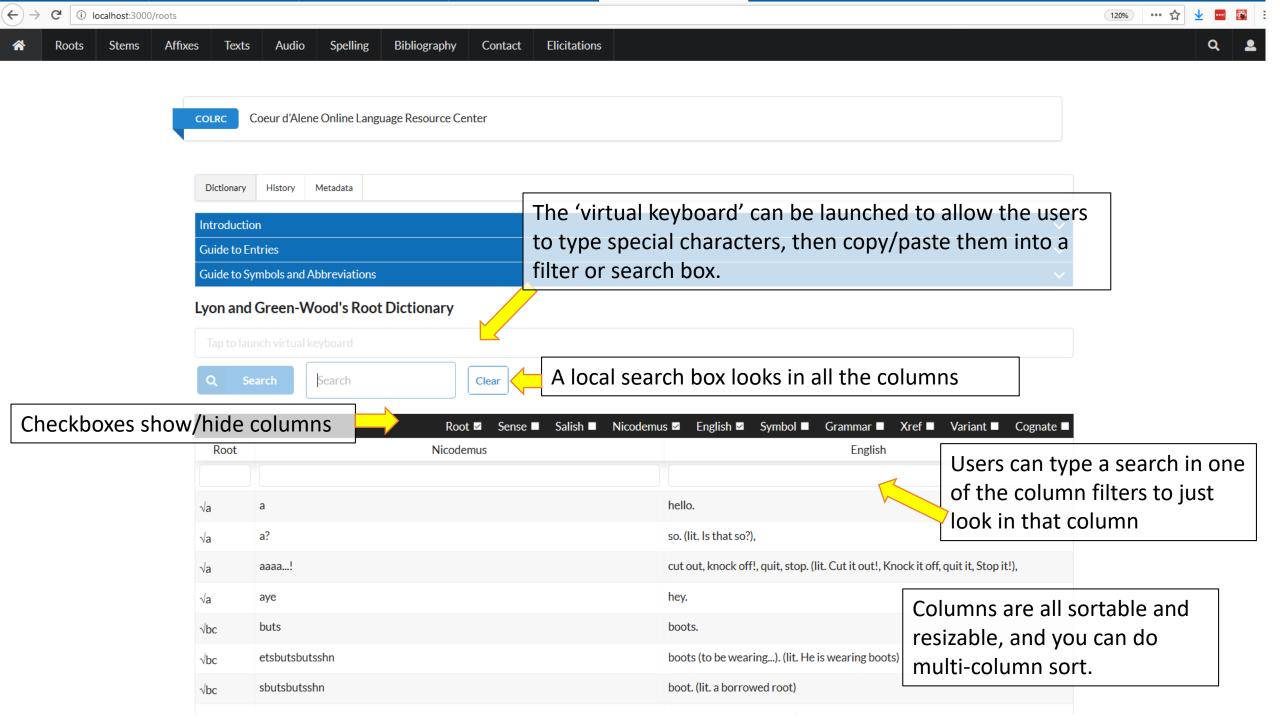
The original Coeur d'Alene archive was created by Shannon Bischoff and Musa Yassin Fort in the summer of 2009. The original website was created without any prior web design/building knowledge using w3schools.com free tutorials over a period of six weeks. The site was constructed using simple html, javascript, and css code, all designed based on lessons at the site. The search mechanisms were a bit more complicated and required php, which can also be learned at the w3 schools website. A second version of the website is was developed in 2013 with the support of the National Science Foundation (award numbers BCS-1160394 and BCS-1160627), using these freely available, open-source, and easily learnable tools - expanded to include xml and ajax. You can find free tutorials for all of these tools at w3schools.com.The current version of the site has been redeveloped beginning in 2019 with the support of the National Endowment for the Humanities award number PD-261031-18, using more specialized open-source tools that allow increased functionality and responsive design. The site is developed and maintained using Node.js, React, GraphQL, and mySQL (community edition). All of these tools are open source and available at no cost. You can find many excellent free tutorials on these tools at each resource homepage, and by searching online.

 \sim

\rightarrow	C ^I (i) loca	alhost:3000						120% … 🏠	⊻ ∎				
Ň	Roots	Stems Affixes	Texts Audic	Spelling	Bibliography	Contact	Elicitations		c	2			
	COLRC	Coeur d'Alene O	online Language Resou	urce Center									
	About	Mission Statement	History of Materials										
	► M	 Mission Statement: Introduction 											
	The p	• Designated Community The primary target for resources within the COLRC is the Coeur d'Alene community. In addition, linguists and the wider scholarly community will find resources in the COLRC of interest.											
	► Or	ngoing Relationship)										
	► Ac	cess											
	▶ Pr	eservation											
	► Int	rastructure											
	► Fir	nancial Sustainabili	ty										
	► Di	saster Preparednes	SS										

æ

පු



This is what the virtual keyboard looks like now. But it's completely customizable. You can type in the characters, then copy/paste into anything you want.

ና														
á	ä	á	é	з	ź	í	I	Ó	ú	ə	с	ų	·	w
ł	ł	4	č	J	Š	×	?		ç	-	†	‡	§	√
1	2	3	4	5	6	7		8	9	0	-	=	ba	ckspace
q	w	е		r	t	у	u	i	o		р	[]	1
caps		a	s	d	f	g		h	j	k		I	;	•
shift	z	:	x	с	v	b		n	m	,			1	shift

Close Keyboard 🛛 🗙

← → C 0 ⊨	localhost:3000/roots									120%	🕁 👱 🖼
A Roots	Stems Affixe	es Text	ts Audi	o Spellin	g Bibliogr	aphy Contact	Elicitatio	ns			۹.
		COLRC	Coeur d'A	lene Online La	anguage Resou	urce Center	Nico	odemus	view of the dictionary shows only root, and English. A user logged in as 'view', or r vould see something like this.	not	
		Dictionary	y History	Metadata							
	Introduction Guide to Entries								\checkmark		
									~		
		Guide to	Symbols an	d Abbreviatio	ons				\checkmark		
		Lyon an	d Green-	Wood's Ro	oot Diction	ary					
		Q	Search	Search		Clear					
						Doot Z Sens	e Salich I	Nicodemu	s 🛛 English 🖾 Symbol ■ Grammar ■ Xref ■ Variant ■ Cognate ■		
		Root				Nicodemus		Nicodemu	English		
		√a	а						hello.		
		√a	a?						so. (lit. Is that so?),		
		√a	aaaa!						cut out, knock off!, quit, stop. (lit. Cut it out!, Knock it off, quit it, Stop it!),		
		√a	aye						hey.		
		√bc	buts						boots.		
		√bc	etsbutst	outsshn					boots (to be wearing). (lit. He is wearing boots)		
		√bc	sbutsbu	tsshn					boot. (lit. a borrowed root)		

∋→	C' i la	ocalhost:3000	/roots							120% 🕶 🔂 👱 🖼 🗄
*	Roots	Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitations	Q 2
			со	OLRC Coeur d'Alene Online Language Resource Center						But nothing really gets deleted – instead, it
						If	vou are le	ngged	in with a	admin or updates gets an 'Active' flag of 'N'. An administrator

	If you are logged in with admin or updates privileges, you can add, edit or delete.	gets an 'Active' flag of 'N'. An administrator can see and manage inactive roots.
Introduction		✓
Guide to Entries		'Edit' also preserves the original – it sets the
Guide to Symbols and Abbrevia	tions	original to 'inactive', and creates a new active
Lyon and Green-Wood's	Root Dictionary	record with the changes.

+ Add a root

Q Search	Search	Clear										

		Root 🗹	Sense 🗖	Salish 🛛 Nicodemus 🗹	English ☑ \$ Active ☑				ref ■ Variant User Name ☑	Cognate ■ Edit/Delete ⊻
Root	Salish	Nicodemus		English		Sym	Grammar	Active	User Name	Edit/Delete
√ckw¹	t+cukw+kw+	ttsukukutm		attractive. (lit. capable of d (something)	rawing		adj.	Y	original	
√ckw¹	c+cukw+m'ín	tstsukw'mi'n'n		bob-sled. (lit. means of drag	gging, pulling)		n.	Y	original	
√ckw¹	či+cen+cékw-n	chitsentsekwn		educe (lit. I drew it out (this	s way).	‡	vt.	Y	original	

\leftarrow \rightarrow C (i) localhost:3000/stems (i) \checkmark \checkmark \checkmark \checkmark \checkmark									*		
*	Roots	Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitations	Q	
								This is the default view of stems.	This is the default view of stems.		
	COLRC Coeur d'Alene Online Language Resource Center						uage Resource Ce	No local search box yet, but it's coming.			
			S	tem List	Metadata						

The COLRC Stem List	~
Organization	~

Stem List

Tap to launch virtual keyboard

Stem categories used by Reichard: 'Other' = 'Adverbs, Interjections, Conjunctions'

	Catego	ry 🗹	Reichard 🔳	Doak ■	Salish ■	Nicodemus 🗹	English 🗹	Note ■
Category	Nicodemus				Eng	lish		
Verbs ~								
verb	k'wi'	bi	te					
verb	'l'laqh	lig	ghten					
verb	'l'lich	be	e thin slice					
verb	'miw	Са	at meows					
verb	'n'no'y-e'	w	eak (dim)					
verb	'n-id	ex	«change, trade, p	bay for				

\rightarrow C (i) localhost:3000/affixes				120% … 🏠 👱 🚥
Roots Stems Affixes Texts	Audio Spelling Bibliography Contact	Elicitations		۹
COLRC COEU	ır d'Alene Online Language Resource Center		This is the default view of affi	xes.
		No	o local search box yet, but it's co	ming.
Affix List Met	ladata			
Introduction			\checkmark	
Affix List				
			Type 🗹 Salish 🔲 Nicodemus 🗹 English 🗹 Link 🗹	
Туре	Nicodemus	English	Link	
Show All ~				
lexical prefix	'ye=	'horse, colt'	page 592 (380)	
lexical suffix	='qs	variant of =i?qs	variant	
lexical suffix	=a'lqs	'clothes'	page 611 (471)	
lexical suffix	=a'st	variant of =i?st	variant	
lexical suffix	=a'was-qn	'corner, angle, in hair, on top of head'	page 625 (550)	
lexical suffix	=a'wes	variant of =iw'ɛs	variant	
lexical suffix		variant of =iləmx ^w	variant	
lexical suffix		'feeling'	page 612 (479)	
lexical suffix	=alpqw	'mouth inside, oral cavity'	page 616 (499)	

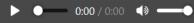
C O localhost:3000/texts		T					120% … 🏠 👱 🔤
Roots Stems Af	fixes	Texts A	Audio Sp	elling Bibliography Contact Elicitat	tions		Q
						This is the default view of	texts
l	COLR	c Coeur	d'Alene Onli	ne Language Resource Center			
	Text	s Metadat	а				
	Intro	oduction				\checkmark	
	Guid	le to Present	tation	1		~	
The triangles a	re ex	pande	ers				
	Тар	o to launch v	irtual keyboa	rd			
			-				
		Pub #	Notes #	Title	Narrator	Cycle	
	•	1	1	Chief Child of the Root (Transformer)	Dorothy Nicodemus	Chief Child of the Root (Transformer)	
	•	2	2	Origin of Indian Tribes (from Parts of Monster)	, Dorothy Nicodemus or Tom Miyal (uncomfirm		
	•	3	3	Coyote overpowers Sun	Dorothy Nicodemus	Coyote Cycle	
	•	4	4	Coyote steals his daughter-in-law	Dorothy Nicodemus	Coyote Cycle	
	•	5	6	Little Beaver	Dorothy Nicodemus	Coyote Cycle	
	•	6	7	Coyote devours his own Children	Dorothy Nicodemus	Coyote Cycle	
	•	7	8	Coyote loses his Eyes (Eye Juggling)	Dorothy Nicodemus or Tom Miyal (unconfirme	Coyote Cycle	
	•	8	19	Coyote hunts with Crane and releases Salmon	Dorothy Nicodemus or Tom Miyal (unconfirme		
	•		20	Story of Lynx	Tom Miyal	Coyote Cycle	
	•	9	21	Story of Lynx	Dorothy Nicodemus	Coyote Cycle	

Guide t	o Presentation	~			
Introduction					
Texts	Metadata				

Texts

	Pub#	Notes #	Title	Narrator	Cycle				
			littl						
►	5	6	Little Beaver	Dorothy Nicodemus	Coyote Cycle				
•	28	30	Little Mosquito	Dorothy Nicodemus	Myths not in the Coyote cycle				
				Versions					
	Dual viev	v of typed an	d handwritten notes						
	English T	ranslation po	lf						
	English Translation image files								
	Handwritten Fieldnotes pdf								
	Handwrit	ten Fieldnot	tes image files						
Typed Manuscript pdf Expand a tex									

Expand a text to see all the versions, including any audio we have. This should make it Little Mosquito Part 1 - in Coeur d'Alene, spoken by Lawrence Nicodemus (unconfirmed) easier for folks to listen to the ● 0:00 / 0:00 ◀》 ● audio and read the Little Mosquito Part 2 - in Coeur d'Alene, spoken by Lawrence Nicodemus (unconfirmed) manuscript



Typed Manuscript image files

Sat. 9,13 Superment : Doroldry Nicodennos Suterporter ; Stella The Farlance (good ,) IV all churched with J. 6/14/20 nta xuxen 2 20' u xWa 'inxa isteuten na' tai'z not die the one there who did that to me maybe you there maybe you there d lis, ätsu wre äpt tsä ku utsa xel atern'a hoi terninxsiy, epmi ntsut hoi re like me I then I will be the one to around then Sim then are like me I built 1 had a h avenge house was up 20. sim Hk"n la stRin k"a mpa. Esmiyi'w boi inxalyiopmi'ntsut he said antelpe you hascal of a Coyote then you go to take tamos ta tortor mi telto) apts a ma'a revange hoi kum la 'atsma'la" hEsi'dist gul Kuk"i'tEn Mildrens they that till night then little mice and then all day stain xalitamos tä tortaimeinäfaqa qeanto hoi kum nä"ä esi tetoä nä"ä teasla ax children antelope in same h ha serenaded (sing and then just a little bt will be day you (at the earliest light) was songs) telts la'ax" gum xu nlegenhoi aku'stus la gul titi'k"a'as na'a oil nak" gune. /then he said to them the little aunties just one even 175 alda ranto la tollhistou na'a kupna'aku'nem hoi ta qu'tc e ummonth h will be gone then you will think then ta'yuy 18 smiyi'w, hoi a'tsqE'E Ek"n yEstatsE'tqit he is dead Coyote then he went out he said "Good day" terta daxt mass en they walks gul hintiti kwa'a my little aunties It a pep gum ut t gut a day t hoi a'taga'a hoi xwist xwi...st hoi la they went then he went out than he went . he we'nt then 'alda ranto toiti "'to ak"n la 'alda ranto nadjaro "... tre rose. he said the Sun you rascal the sun sim gum ye tan. 1.120 them they wint to Hemiyi'w inxafyiopmi'ntaut kari'ixuxwist boi inkwi''its of a Coyoto you are seeking revenge you go about then at night ut ta la ganand kum it.c hoi kum täitai' la'ax" täitai' x"ist. went + si opis chil then he slept and then farther day farther he went hoi la 'alda'rante ulteiti''te. "hoi ul'a' then the sun again ross then again sat june pont test a tod x en à na g alwayo alway they what (J) 2 to x Kel r.9 160 L' L fieldnotes en anni-pina. A.n.-100 100 100 100 100 100 And all arranges, Peters, and Angele and Company, Peters, and Angele and Company, Peters, and Angele angele angele angele and and colored at and final substrates on the observation subst for a definition subst. 10. 10. 11'L AUGO W. 1000. An and galler, and
 An and a second seco And an analysis of the set of the diminer a state * ero is mus class. BO R. Hall, Service
 BO R. Hall, And Street, and Annual Annua the sub-barret sharehold A second state of the second stat A second and a stranged 1012 (2012) and 10 (201 million) 2012 (201 million (201 million) 2012 (201 million (201 million) - - fear at -- 1 a desire a grand a second a s second a se second a s services and only which are presented A set of a s - 10 darille pro-

The dual view of handwritten and typed fieldnotes

\leftrightarrow \rightarrow C \bigcirc localhost:3000/audio				120% … 🏠 👱 📟 🍪			
Roots Stems Affix	Kes Texts Audio Spelling Bibliography COLRC Coeur d'Alene Online Language Resource Center	Contact Elicitations		Q 2			
	Audio List Metadata						
	Introduction		V				
	Audios						
	Title	Speaker	Audio				
	Cricket Rides Coyote - in Coeur d'Alene	Lawrence Nicodemus	▶ ● 0:00 / 0:00 ◀୬●				
	Cricket Rides Coyote - in English	Lawrence Nicodemus	▶ ● 0:00 / 0:00 ◀ ●				
	Little Mosquito Part 1 - in Coeur d'Alene	Lawrence Nicodemus (unconfirmed)	► ●				
	Little Mosquito Part 2 - in Coeur d'Alene	Lawrence Nicodemus (unconfirmed)	► ● 0:00 / 0:00 ● ●				
	Rabbit and Jackrabbit Part 1 - in Coeur d'Alene	Lawrence Nicodemus	► ●				
	Rabbit and Jackrabbit Part 2 - begins in Coeur d'Alene, ends in English	Lawrence Nicodemus	► ●				
	When Deer Kills Children - song, in Coeur d'Alene	Unconfirmed	► ●				
	Lord's Prayer, Angel's Salutation - in Coeur d'Alene	Unconfirmed	► ●				
	Previous	Page 1 • of 1 20	0 rows ~ Next				



Elicitations

The Nicodemus - Sloat Word List Elicitations		\checkmark
Item	Audio	Transcription
He is clubbing him on the neck	He is clubbing him on the neck, spoken by Lawrence Nicodemus • <th>'itsanqhttsinms</th>	'itsanqhttsinms
He is being clubbed on the neck	He is being clubbed on the neck, spoken by Lawrence Nicodemus • <td></td>	
I am clubbing him on the neck	I am clubbing him on the neck, spoken by Lawrence Nicodemus •	hi'tsanqhttsinm
I am being clubbed on the neck	I am being clubbed on the neck, spoken by Lawrence Nicodemus • <td>chi'tsanqhttsinm</td>	chi'tsanqhttsinm
You are being clubbed on the neck	You are being clubbed on the neck, spoken by Lawrence Nicodem • <td>n ku'ytsanqhttsinm</td>	n ku'ytsanqhttsinm

Bibliography

Contact

Spelling and Pronunciation Guide

Audio

Stems

Roots

Affixes

Texts



Spelling and Pronounciation

Spelling and Pronouncing Coeur d'Alene

		Nicodemus 🗹 🛛	Reichard 🛛 Salish 🖾 English 🖾 Note 🗖								
List of Symbols											
Nicodemus	Reichard	Salish	English								
а	а	а	father								
<u>a</u>	á	á	father								
b	b	b	bat								
ch	tc	č	church								
ch'	tc'	č'	no example								
ts	ts	с	tsitsi fly								
ts'	ts'	c'	no example								
d	d	d	dog								
e	ä	ε, е	egg								
<u>e</u>	ລ໌	ć, é	egg								
no form	Е,ı, џ	θ	sofa								
gw	gw	gw	linguini								

i localhost:3000/spelling										120% … ☆	⊻ 🚥
ots Stems Affixes Tex	xts Audio	Spelling Bibliog	aphy Contact	Elicitations							۹
List of Sy	ymbols Phonem	e Charts							eme chart' lows the N	' display, by icodemus	,
Spellin	ng and Pronu	nciation Guide					symbo				
Introdu									~		
Pronun	ciation of Coeur	d'Alene sounds							\checkmark		
Underst	tanding the Con	sonant Chart							\sim		
							١	/oice ■ Mannei	Secondary		
				С	onsonants						
ortho graph		l alveolar	alveo- palatal	lateral	palatal	velar	uvular	pharyn- geal	glottal		
Nicod	i ~										
Nicoder	mus p	t					q		1		
Nicoder	mus p'	ť					q'				
Nicoder	mus					kw	qw				
Nicoder	mus					k'w	q'w				
Nicoder			ts		ch						
Nicoder			ts'		ch'						
Nicoder		d									
Nicoder						gw					
Nicoder					j						
Nicoder	mus	S		ł	sh		qh		h		

Bibliography Information

Bibliography List

Tap to launch virtual keyboard

Author 🗹	i 🛛 Year 🗹	Title 🗹	Reference 🗹

Author	Year	Title	Reference
Barthmaier, Paul T.	1996	A Dictionary of Coeur d'Alene Salish from Gladys Reichard's file slips	University of Montana M.A. Thesis.
Bischoff, Shannon T.	2011	Lexical affixes, incorporation, and conflation: The case of Coeur d'Alene	Studia Linguistica 65.1:1-32.
Bischoff, Shannon T.	2011	Formal notes on Coeur d'Alene clause structure	Newcastle: Cambridge Scholars Press.
Bischoff, Shannon T.	2007	Functional Forms-Formal Functions: An account of Coeur d'Alene clause structure	PhD dissertation University of Arizona.
Bischoff, Shannon T.	2006	Basic clause structure in Coeur d'Alene A preliminary working paper	In MIT Working Papers on Endangered and Less Familiar Languages Volume on Salish, (eds) Shannon T. Bischoff, Lynnika Buttler, Peter Norquist, and Daniel Siddiqi. Cambridge MIT Press.
Bischoff, Shannon T.	2006	The left periphery in Coeur d'Alene Evidence from the Reichard Manuscripts	In Proceedings of WSCLA 10 UBCWPL 17, (eds) Solveiga Armoskaite and James J. Thompson. 43-55.
Bischoff, Shannon T.	2001	Lynx : a morphological analysis and translation of Dorothy Nicodemus' Coeur d'Alene narrative	University of Montana M.A. thesis.
Bischoff, Shannon T., Ivy Doak, Amy V. Fountain and John Ivens	2013	Creating grass roots digital Coeur d'Alene resources: the COLRC	Northwest Journal of Linguistics. 7. 1-23.
Bischoff, Shannon T,. and Amy V. Fountain	2013	Grass-roots development of web-based language archives: the Coeur d'Alene Archive	In Shannon Bischoff, Debbie Cole, Amy Fountain, and Mizuki Miyashita (eds) The Persistence of Language: Constructing and Confronting the Past and Present in the Voices of Jane H. Hill. 175-202. Cambridge: John Benjamins

Q 💄

The site-wide search (for now) returns only results from roots, stems and/or affixes. It should also extend into texts – and new materials that are added

Roots Stems Affi	xes Texts Audio Spelling Bibliography Contact Elicitations	Q 💄							
	COLRC Coeur d'Alene Online Language Resource Center								
	Q Search								
	Ready for a search!								
coeur d'alene online language resource center copyright 2009									

project supported by the national science foundation awards BCS-1160627 and BCS-1160394 and the national endowment for the humanities award PD-261031-18.

		Search results display, and you can link
COLRC	Coeur d'Alene Online Language Resource Center	back to the resource

Q Search dog

Tap to launch virtual keyboard

Results from Root Dictionary | go to the Root Dictionary

Root	Salish	Nicodemus	English		
√cqw ²	*céqw+qw=alqw	tseqwgwalqw	dogwood, elderberry bush. Redwood.		
√dI¹	e∙+dél+ut	eedelut	haunches, seated. (lit. The dog is seated)		
√dl1	e•+dél+dl+ut	eedeldlut	seated. (lit. The dogs are seated)		
√kwlw	kʷléw	kwlew	dog (pet name for a).		
√łq'w	čs+łóq'w-nt-s	chsłoq'wnts	depilate. (lit. He removed hair from his (dog's) tail)		
Previous	Page 1 🔄 of 7	5 rows	Next		

Results from Stem Lists | go to the Stem List

Category	egory Reichard Doak Salish		Salish	Nicodemus	English Note
Show All					
verb	wih	wih	wih	wih	dog barks
noun	wáx-iłp		wáx-iłp	w <u>a</u> qh-iłp	dogwood
noun	siw's		siw's	si'ws	groundhog, prairie dog

\leftarrow	C i lo	calhost:3000/re	pots													120%	… ☆	⊻ ≕	ŝ
*	Roots	Stems	Affixes	Texts	Audio	Spelling	Bibliography	Contact	Elicitatio	าร								۹	•
			сог	LRC Coe	eur d'Alene	Online Langu	lage Resource C	enter											
			D	ictionary	History N	Metadata													
				roduction											~				
				iide to Entri	ies										~				
			Gu	ide to Symb	bols and Ab	obreviations								7	\checkmark				
			Lyc	on and Gi	reen-Wo	ood's Root	Dictionary				•	then na	•						
							bac	ck to a t	able fr	om yo	our res	ults pag	ge, the						
							tab	le remo	embers	s what	t you s	earched	l for		+ Add a root				
						yboard	anc	l passe	s it in a	is a lo	cal sea	arch.	From t	here you	can refine o	r expa	nd th	e	
			C) Searc	ch (dog		Clear					search	locally in	that specific	table	2.		

		Root 🗹 Se	ense 🔲 Salish 🗖	Nicodemus	s ☑ English ☑ Symbol ■ Grammar ■ Xref ■ Variant ■ Cognate ■ Active ■ PrevId ■ Edit Note ■ User Name ■ Edit/Delete ■
Root		Nicodemus			English
√cq ^{w2}	tseqwgwalqw				dogwood, elderberry bush. Redwood.
√dl¹	eedelut				haunches, seated. (lit. The dog is seated)
√dl¹	eedeldlut				seated. (lit. The dogs are seated)
√kʷlw	kwlew				dog (pet name for a).
√łq'w	chsłoq'wnts				depilate. (lit. He removed hair from his (dog's) tail)

dog

Clear

Q Search

 \sim

COLRC Coeur d'Alene Online Language Resource Center

Users can create an account if they want

Create an account

Gan [®]	First Name	
S		
•		
		٩
		٩
	Submit	
	already have one?	

Roots Stems Affixes Texts Audio Spelling Bibliography Contact Elicitations



~

Coeur d'Alene Online Language Resource Center

🗠 email		•••
Password		Ģ
	Submit	

There's a little login screen 😳

Set User Roles You are currently logged in as original				Admin users can see other users' roles and edit them. Note that all these accounts are fake – just for testing			
First	Last	Username	Email		purpos		, i i ji i i i i i i i i i i i i i i i i
Original	Data	original	colrc@gmail.com	admin			
Update	Data	update	update@gmail.com	update	:	Ľ	
Owner	Data	owner	owner@gmail.com	owner			
View	Data	view	view@gmail.com	view			
Prev	vious	Page 1 💌 of 1	20 rows 🗸		Next		

Update User Roles

Select a new role for this user. 'admin' = can update all information on this site, including user roles. 'update' = can update all information on this site except user roles. 'owner' = reserved to allow update access to individual areas. 'view' = cannot update information on this site.

ID 3	}				
First Name		Owner			
Last Name		Data			
Username		owner			
Email ow		ner@gmail.coi	m		
		Sele	ect Role		
		owner		•	
		admin			
		owner			
coeur d'alene c		update			
		view			opyright 2009

project supported by the national science foundation awards PCS 1160627 and PCS 1160204 and the national endowment for the humanities award PD 261021 19

Lots of work to do!

- COLRC 2.0 will be home for a wealth of materials that cannot be found in 1.0
- COLRC 2.0 will need a lot more features (export/download, import/upload, search into text...)
- COLRC 2.0 will need lots of testing for usability, reliability and crossplatform performance
- And we're looking forward to it.

lim lemt.sh

Coeur d'Alene Language Programs, AILDI, contributing UA students Wunetu Tarrant, Angela Hughes, Timothy Chartier, Amaris Le Fay, Zhengnan Xie, Karina Casey, and our technical lead John W. Ivens.

national science foundation awards BCS-1160627 and BCS-1160394 and the national endowment for the humanities award PD-261031-18.

Questions or comments about the tech? Contact Amy at <u>avf@email.arizona.edu</u> Amy Fountain, Associate Professor, Career Track

Department of Linguistics, University of Arizona Tucson, AZ 85721