



The Complete Lojban Language

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Chapter 1

Lojban As We Mangle It In Lojbanistan: About This Book



coi lojban.



coi rodo

1.1 What is Lojban?

Lojban (pronounced “LOZH-bahn”) is a constructed language. Previous versions of the language were called “Loglan” by Dr. James Cooke Brown, who founded the Loglan Project and started the development of the language in 1955. The goals for the language were first described in the open literature in the article “Loglan”, published in *Scientific American*, June, 1960. Made well-known by that article and by occasional references in science fiction (most notably in Robert Heinlein's novel *The Moon Is A Harsh Mistress*) and computer publications, Loglan and Lojban have been built over four decades by dozens of workers and hundreds of supporters, led since 1987 by The Logical Language Group (who are the publishers of this book).

There are thousands of artificial languages (of which Esperanto is the best-known), but Loglan/Lojban has been engineered to make it unique in several ways. The following are the main features of Lojban:

- Lojban is designed to be used by people in communication with each other, and possibly in the future with computers.
- Lojban is designed to be neutral between cultures.
- Lojban grammar is based on the principles of predicate logic.
- Lojban has an unambiguous yet flexible grammar.

1.2 What is this book?

- Lojban has phonetic spelling, and unambiguously resolves its sounds into words.
- Lojban is simple compared to natural languages; it is easy to learn.
- Lojban's 1300 root words can be easily combined to form a vocabulary of millions of words.
- Lojban is regular; the rules of the language are without exceptions.
- Lojban attempts to remove restrictions on creative and clear thought and communication.
- Lojban has a variety of uses, ranging from the creative to the scientific, from the theoretical to the practical.
- Lojban has been demonstrated in translation and in original works of prose and poetry.

1.2 What is this book?

This book is what is called a “reference grammar”. It attempts to expound the whole Lojban language, or at least as much of it as is understood at present. Lojban is a rich language with many features, and an attempt has been made to discover the functions of those features. The word “discover” is used advisedly; Lojban was not “invented” by any one person or committee. Often, grammatical features were introduced into the language long before their usage was fully understood. Sometimes they were introduced for one reason, only to prove more useful for other reasons not recognized at the time.

By intention, this book is complete in description but not in explanation. For every rule in the formal Lojban grammar (given in Chapter 1 (p. 4)), there is a bit of explanation and an example somewhere in the book, and often a great deal more than a bit. In essence, Chapter 1 (p. 4) gives a brief overview of the language, Chapter 1 (p. 4) gives the formal structure of the language, and the chapters in between put semantic flesh on those formal bones. I hope that eventually more grammatical material founded on (or even correcting) the explanations in this book will become available.

Nevertheless, the publication of this book is, in one sense, the completion of a long period of language evolution. With the exception of a possible revision of the language that will not even be considered until five years from publication date, and any revisions of this book needed to correct outright errors, the language described in this book will not be changing by deliberate act of its creators any more. Instead, language change will take place in the form of new vocabulary - Lojban does not yet have nearly the vocabulary it needs to be a fully usable language of the modern world, as Chapter 1 (p. 4) explains - and through the irregular natural processes of drift and (who knows?) native-speaker evolution. (Teach your children Lojban!) You can learn the language described here with assurance that (unlike previous versions of Lojban and Loglan, as well as most other artificial languages) it will not be subject to further fiddling by language-meisters.

It is probably worth mentioning that this book was written somewhat piecemeal. Each chapter began life as an explication of a specific Lojban topic; only later did these begin to clump together into a larger structure of words and ideas. Therefore, there are perhaps not as many cross-references as there should be. However, I have attempted to make the index as comprehensive as possible.

Each chapter has a descriptive title, often involving some play on words; this is an attempt to make the chapters more memorable. The title of Chapter 1 (p. 4) (which you are now reading), for example, is an allusion to the book *English As We Speak It In Ireland*, by P. W. Joyce, which is a sort of informal reference grammar of Hiberno-English. “Lojbanistan” is both an imaginary country where Lojban is

the native language, and a term for the actual community of Lojban-speakers, scattered over the world. Why “mangle”? As yet, nobody in the real Lojbanistan speaks the language at all well, by the standards of the imaginary Lojbanistan; that is one of the circumstances this book is meant to help remedy.

1.3 What are the typographical conventions of this book?

Each chapter is broken into numbered sections; each section contains a mixture of expository text, numbered examples, and possibly tables.

The reader will notice a certain similarity in the examples used throughout the book. One chapter after another rings the changes on the self-same sentences:

Example 1.1

<i>mi</i>		<i>klama</i>		<i>le</i>				<i>zarci</i>
I		go-to		that-which-I-describe-as-a		store.		
I go to the store.								

will become wearisomely familiar before Chapter 1 (p. 4) is reached. This method is deliberate; I have tried to use simple and (eventually) familiar examples wherever possible, to avoid obscuring new grammatical points with new vocabulary. Of course, this is not the method of a textbook, but this book is not a textbook (although people have learned Lojban from it and its predecessors). Rather, it is intended both for self-learning (of course, at present would-be Lojban teachers must be self-learners) and to serve as a reference in the usual sense, for looking up obscure points about the language.

It is useful to talk further about Example 1.1 (p. 6) for what it illustrates about examples in this book. Examples usually occupy three lines. The first of these is in Lojban (in italics), the second in a word-by-word literal translation of the Lojban into English (in boldface), and the third in colloquial English. The second and third lines are sometimes called the “literal translation” and the “colloquial translation” respectively. Sometimes, when clarity is not sacrificed thereby, one or both are omitted. If there is more than one Lojban sentence, it generally means that they have the same meaning.

Words are sometimes surrounded by square brackets. In Lojban texts, these enclose optional grammatical particles that may (in the context of the particular example) be either omitted or included. In literal translations, they enclose words that are used as conventional translations of specific Lojban words, but don't have exactly the meanings or uses that the English word would suggest. In Chapter 1 (p. 4), square brackets surround phonetic representations in the International Phonetic Alphabet.

Many of the tables, especially those placed at the head of various sections, are in three columns. The first column contains Lojban words discussed in that section; the second column contains the grammatical category (represented by an UPPER CASE Lojban word) to which the word belongs, and the third column contains a brief English gloss, not necessarily or typically a full explanation. Other tables are explained in context.

A few Lojban words are used in this book as technical terms. All of these are explained in Chapter 1 (p. 4), except for a few used only in single chapters, which are explained in the introductory sections of those chapters.

1.4 Disclaimers

It is necessary to add, alas, that the examples used in this book do not refer to any existing person, place, or institution, and that any such resemblance is entirely coincidental and unintentional, and not intended to give offense.

1.5 Acknowledgements and Credits

When definitions and place structures of *gismu*, and especially of *lujvo*, are given in this book, they may differ from those given in the English-Lojban dictionary (which, as of this writing, is not yet published). If so, the information given in the dictionary supersedes whatever is given here.

1.5 Acknowledgements and Credits

Although the bulk of this book was written for the Logical Language Group (LLG) by John Cowan, who is represented by the occasional authorial “I”, certain chapters were first written by others and then heavily edited by me to fit into this book.

In particular: Chapter 1 (p. 4) is a fusion of originally separate documents, one by Athelstan, and one by Nora Tansky LeChevalier and Bob LeChevalier; Chapter 1 (p. 4) and Chapter 1 (p. 4) were originally written by Bob LeChevalier with contributions by Chuck Barton; Chapter 1 (p. 4) was originally written (in much longer form) by Nick Nicholas; the dialogue near the end of Chapter 1 (p. 4) was contributed by Nora Tansky LeChevalier; Chapter 1 (p. 4) and parts of Chapter 1 (p. 4) were originally by Bob LeChevalier; and the YACC grammar in Chapter 1 (p. 4) is the work of several hands, but is primarily by Bob LeChevalier and Jeff Taylor. The BNF grammar, which is also in Chapter 1 (p. 4), was originally written by me, then rewritten by Clark Nelson, and finally touched up by me again.

The research into natural languages from which parts of Chapter 1 (p. 4) draw their material was performed by Ivan Derzhanski. LLG acknowledges his kind permission to use the fruits of his research.

The pictures in this book were drawn by Nora Tansky LeChevalier, except for the picture appearing in Chapter 1 (p. 4), which is by Sylvia Rutiser Rissell.

The index was made by Nora Tansky LeChevalier.

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Of course, the entire Loglan Project owes a considerable debt to James Cooke Brown as the language inventor, and also to several earlier contributors to the development of the language. Especially noteworthy are Doug Landauer, Jeff Prothero, Scott Layson, Jeff Taylor, and Bob McIvor. Final responsibility for the remaining errors and infelicities is solely mine.

1.8 Boring Legalities

Chapter 8	<i>ko</i> [You!]	<i>viska</i> see	<i>re</i> two	<i>prenu</i> persons	<i>poi</i> who-are	<i>bruna</i> brothers-of	<i>la</i> Santa.	<i>.santas.</i>
Chapter 9	(none)							
Chapter 10	<i>za'o</i> [superfective]		<i>klama</i> come/go					
	Something goes (or comes) for too long.							
Chapter 11	<i>le</i> The	<i>si'o</i> concept-of	<i>kunti</i> emptiness					
Chapter 12	(none)							
Chapter 13	<i>.oi</i> [Pain!]	<i>ro'i</i> [emotional]	<i>ro'a</i> [social]	<i>ro'o</i> [physical]				
Chapter 14	(none)							
Chapter 15	<i>mi</i> I	<i>na'e</i> other-than	<i>lumci</i> wash	<i>le</i> the	<i>karce</i> car			
	I didn't wash the car.							
Chapter 16	<i>drata</i> another	<i>mupli</i> example	<i>pe'u</i> [please]	<i>.djan.</i> John				
	Another example, John, please!							
Chapter 17	<i>zai</i> [Shift]	<i>xanlerfu bu</i> hand-letters	<i>ly</i> l	<i>.obu</i> o	<i>jy</i> j	<i>by</i> b	<i>.abu</i> a	<i>ny.</i> n
	"Lojban" in a manual alphabet							
Chapter 18	<i>no</i> 0	<i>no</i> 0						
Chapter 19	(none)							
Chapter 20	(none)							
Chapter 21	(none)							

1.8 Boring Legalities

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The contents of Chapter 1 (p. 4) are in the public domain.

The Complete Lojban Language

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