

The Unicode® Standard

Version 9.0 – Core Specification

To learn about the latest version of the Unicode Standard, see <http://www.unicode.org/versions/latest/>.

Many of the designations used by manufacturers and sellers to distinguish their products are claimed as trademarks. Where those designations appear in this book, and the publisher was aware of a trademark claim, the designations have been printed with initial capital letters or in all capitals.

Unicode and the Unicode Logo are registered trademarks of Unicode, Inc., in the United States and other countries.

The authors and publisher have taken care in the preparation of this specification, but make no expressed or implied warranty of any kind and assume no responsibility for errors or omissions. No liability is assumed for incidental or consequential damages in connection with or arising out of the use of the information or programs contained herein.

The *Unicode Character Database* and other files are provided as-is by Unicode, Inc. No claims are made as to fitness for any particular purpose. No warranties of any kind are expressed or implied. The recipient agrees to determine applicability of information provided.

© 2016 Unicode, Inc.

All rights reserved. This publication is protected by copyright, and permission must be obtained from the publisher prior to any prohibited reproduction. For information regarding permissions, inquire at <http://www.unicode.org/reporting.html>. For information about the Unicode terms of use, please see <http://www.unicode.org/copyright.html>.

The Unicode Standard / the Unicode Consortium; edited by the Unicode Consortium. — Version 9.0.

Includes bibliographical references and index.

ISBN 978-1-936213-13-9 (<http://www.unicode.org/versions/Unicode9.0.0/>)

1. Unicode (Computer character set) I. Unicode Consortium.

QA268.U545 2016

ISBN 978-1-936213-13-9

Published in Mountain View, CA

July 2016

References

Citations are given for the standards and dictionaries that were used as the actual resources for *The Unicode Standard*, primarily for Version 1.0. Where a Draft International Standard (DIS) is known to have progressed to International Standard status, the entry for the DIS has been revised. *A revised or reaffirmed edition, with a different date, may have been published subsequently.* For the current version of a standard, see the catalog issued by the standards organization. The website of the International Organization for Standardization (<http://www.iso.org>) includes the *ISO Catalogue* and links to the sites of member organizations. Many of the ISO character set standards were originally developed by ECMA and are also ECMA standards.

In general, American library practice has been followed for the romanization of titles and names written in non-Roman script. Exceptions are when information supplied by an author had to be used because the name or title in the original script was unavailable.

R.1 Source Standards and Specifications

This section identifies the standards and specifications used as sources for the Unicode Standard. The section also includes selected current standards and specifications relevant to the use of coded character sets.

AAT: “About Apple Advanced Typography Fonts.” *TrueType Reference Manual*, Chapter 6: *Font Files*. Apple Computer, ©2014 (last updated 2014).

<https://developer.apple.com/fonts/TrueType-Reference-Manual/RM06/Chap6AATIntro.html>

ANSI X3.4: American National Standards Institute. *Coded character set—7-bit American national standard code for information interchange*. New York: 1986. (ANSI X3.4-1986).

ANSI X3.32: American National Standards Institute. *American national standard graphic representation of the control characters of American national standard code for information interchange*. New York: 1973. (ANSI X3.32-1973).

ANSI Y10.20: American National Standards Institute. *Mathematic signs and symbols for use in physical sciences and technology*. New York: 1988. (ANSI Y10.20-1975 (R1988)).

ANSI Z39.47: American National Standards Institute. *Extended Latin alphabet coded character set for bibliographic use*. New York: 1985. (ANSI Z39.47-1985).

ANSI Z39.64: American National Standards Institute. *East Asian character code for bibliographic use*. New Brunswick, NJ: Transaction, 1991. (ANSI Z39.64-1989).

ARIB STD-B24: Association of Radio Industries and Businesses. *Data Coding and Transmission Specification for Digital Broadcasting*. Tokyo: 2008.

ASMO 449: Arab Organization for Standardization and Metrology. *Data processing 7-bit coded character set for information interchange*. [s.l.]: 1983. (Arab standard specifications, 449-1982). Authorized English translation.

BCP 47: (See RFC 4646 and RFC 4647.)

CCCII: *Zhongwen Zixun Jiaohuanma (Chinese Character Code for Information Interchange)*. Revised edition. Taipei: Xingzhengyuan Wenhua Jianshe Xiaozu (Executive Yuan Committee for Cultural Construction), 1985.

CNS 11643-1986: *Tongyong hanzi biaozhun jiaohuanma (Han character standard interchange code for general use)*. Taipei: Xingzhengyuan (Executive Yuan), 1986.

CNS 11643-1992: *Zhongwen biaozhun jiaohuanma (Chinese standard interchange code)*. Taipei: 1992.

Obsoletes 1986 edition.

DIN 66006: *Informationsverarbeitung—Darstellung von ALGOL-Symbolen auf 5-Spur-Lochstreifen und 80spaltigen Lochkarten. (Information processing—representation of ALGOL symbols on 5-track punched tape and on 80-column punched cards)*. Berlin: Fachnor-

menausschuß Informationsverarbeitung (FNI) im Deutschen Normenausschuß (DNA), 1965.

Also cited as: *Darstellung von ALGOL/ALCOR-Programmen auf Lochstreifen und Lochkarten.*

EACC: (See ANSI Z39.64.)

ECMA Registry: (See ISO Register.)

ELOT 1373: Hellenic Organization for Standardization (ELOT). *The Greek Byzantine musical notation system.* Athens: 1997.

GB 2312: *Xinxi jiaohuanyong hanzi bianmajì, jibenjì (Code of Chinese graphic character set for information interchange, primary set).* Beijing: Jishu Biaozhun Chubanshe (Technical Standards Press), 1981. (GB 2312-80).

GB 13000: *Xinxi jishu—Tongyong duobawei bianma zifuji (UCS)—Diyi bufen: Tixi jiegou yu jiben duowenzhong pingmian (Information technology—Universal multiple-octet coded character set (UCS)—Part 1: Architecture and basic multilingual plane).* Beijing: Jishu Biaozhun Chubanshe (Technical Standards Press), 1993. (GB 13000.1-93). (ISO/IEC 10646.1-1993).

GB 13134: *Xinxi jiaohuanyong yiwen bianma zifuji (Yi coded character set for information interchange)*, [prepared by] Sichuansheng Minzushiwu Weiyuanhui. Beijing: Jishu Biaozhun Chubanshe (Technical Standards Press), 1991. (GB 13134-91).

GB 18030: *Xinxi jishu zhongwen bianma zifuji. (Information technology—Chinese coded character set).* Beijing: Guojiao zhiliang jishu jianduju, 2005. (GB 18030-2005).

Revision of the 2000 edition.

GBK: *Xinxi jiaohuanyong hanzi bianma kuozhan guifan (Extended Code of Chinese graphic character set for information interchange).* Beijing: Zhongguo dianzi gongye bu [and] Guojiao jishu jianduju, 1995.

The Chinese-specific subset of GB 13000.1-93.

GB/T 12345: *Xinxi jiaohuanyong hanzi bianmajì, fuzhuji (Code of Chinese ideogram set for information interchange supplementary set).* Beijing: Jishu Biaozhun Chubanshe (Technical Standards Press), 1990. (GB/T 12345-90).

GOST 10859-64: USSR. State Committee on Standards, Measures and Measuring Devices of the USSR. *Computational machinery. Alphanumeric Codes for Punchcards and Punchtapes.* Moscow: Standards Publishing, 1964.

HKSCS: *Hong Kong Supplementary Character Set – 2008.* Hong Kong: Office of the Government Chief Information Officer & Official Languages Division, Civil Service Bureau, Government of the Hong Kong Special Administrative Region, 2008.

English: http://www.ogcio.gov.hk/en/business/tech_promotion/ccli/hkscs/

Simplified Chinese: http://www.ogcio.gov.hk/sc/business/tech_promotion/ccli/hkscs/

Traditional Chinese: http://www.ogcio.gov.hk/tc/business/tech_promotion/ccli/hkscs/

Irish Standard 434:1999. *Information technology—8-bit single-byte graphic coded character set for Ogham / Teicneolaíocht eolais—Tacar carachtar grafach Oghaim códaithe go haonbheartach le 8 ngiotán.*

ISCII-88: India. Department of Electronics. *Indian script code for information interchange.* New Delhi: 1988.

ISCII-91: India. Bureau of Indian Standards. *Indian script code for information interchange.* New Delhi: 1991.

ISIRI 3342: Institute of Standards and Industrial Research of Iran. *estaandaard-e tabaadol-e ettelaa'aat-e 8 biti-e faarsi = Farsi 8-bit coded character set for information interchange.* Tehran: 1993 (1372 AP). (ISIRI 3342:1993).

ISIRI 9147: Institute of Standards and Industrial Research of Iran. *fannaavari-e ettelaa'at—chidemaan-e horoof va alaa'em-e faarsi bar safhe-kelid-e raayaane = Information technology—Layout of Persian letters and symbols on computer keyboards.* Tehran: 2007 (1386 AP). (ISIRI 9147:2007).

ISO Publicly Available Standards. Some ISO and ISO/IEC standards are publicly available for free downloads. See the following URL for information about current availability:

<http://standards.iso.org/ittf/PubliclyAvailableStandards/>

ISO Register: International Organization for Standardization. *ISO international register of coded character sets to be used with escape sequences.*

Current register: <http://www.itscj.ipsj.or.jp/ISO-IR/>

ISO 639: International Organization for Standardization. *Code for the representation of names of languages.* [Geneva]: 1988. (ISO 639:1988).

ISO/IEC 646: International Organization for Standardization. *Information technology—ISO 7-bit coded character set for information interchange.* [Geneva]: 1991. (ISO/IEC 646:1991).

ISO 1073-1: International Organization for Standardization. *Alphanumeric character sets for optical recognition—Part 1: Character set OCR-A—Shapes and dimensions of the printed image.* [Geneva]: 1976. (ISO 1073-1:1976).

ISO/IEC 2022: International Organization for Standardization. *Information processing—ISO 7-bit and 8-bit coded character sets—Code extension techniques.* 3rd ed. [Geneva]: 1986. (ISO 2022:1994).

Edition 4 (ISO/IEC 2022:1994) has title: *Information technology—Character code structure and extension techniques.*

ISO 2033: International Organization for Standardization. *Information processing—Coding of machine-readable characters (MICR and OCR).* 2nd ed. [Geneva]: 1983. (ISO 2033:1983).

ISO 2047: International Organization for Standardization. *Information processing—Graphical representations for the control characters of the 7-bit coded character set*. [Geneva]: 1975. (ISO 2047:1975).

ISO/IEC 2375: International Organization for Standardization. *Information technology—Procedure for registration of escape sequences and coded character sets*. [Geneva]: 2003. (ISO/IEC 2375:2003).

ISO 3166: International Organization for Standardization. *Codes for the representation of names of countries and their subdivisions*. [Geneva]. Part 1: *Country Codes* (ISO 3166-1:1997). Part 2: *Country subdivision code* (ISO 3166-2:1998). Part 3: *Code for formerly used names of countries* (ISO 3166-3:1999).

ISO/IEC 4873: International Organization for Standardization. *Information technology—ISO 8-bit code for information interchange—Structure and rules for implementation*. [Geneva]: 1991. (ISO/IEC 4873:1991).

ISO 5426: International Organization for Standardization. *Extension of the Latin alphabet coded character set for bibliographic information interchange*. 2nd ed. [Geneva]: 1983. (ISO 5426:1983).

ISO 5426-2: International Organization for Standardization. *Information and documentation—Extension of the Latin alphabet coded character set for bibliographic information interchange—Part 2: Latin characters used in minor European languages and obsolete typography*. [Geneva]: 1996. (ISO 5426-2:1986).

ISO 5427: International Organization for Standardization. *Extension of the Cyrillic alphabet coded character set for bibliographic information interchange*. [Geneva]: 1984. (ISO 5427:1984).

ISO 5428: International Organization for Standardization. *Greek alphabet coded character set for bibliographic information interchange*. [Geneva]: 1984. (ISO 5428-1984).

ISO/IEC 6429: International Organization for Standardization. *Information technology—Control functions for coded character sets*. 3rd ed. [Geneva]: 1992. (ISO/IEC 6429:1992).

ISO 6438: International Organization for Standardization. *Documentation—African coded character set for bibliographic information interchange*. [Geneva]: 1983. (ISO 6438:1983).

ISO 6861:1996. International Organization for Standardization. *Information and documentation—Glagolitic alphabet coded character set for bibliographic information interchange*. [Geneva]: 1996. (ISO 6861:1996).

ISO 6862: International Organization for Standardization. *Information and documentation—Mathematics character set for bibliographic information interchange*. [Geneva]: 1996. (ISO 6862:1996).

ISO/IEC 6937: International Organization for Standardization. *Information processing—Coded character sets for text communication*. [Geneva]: 1984.

Edition 3 (ISO/IEC 6937:2001) has the following title: *Information technology—Coded graphic character set for text communication—Latin alphabet*.

ISO/IEC 8859: International Organization for Standardization. *Information processing—8-bit single-byte coded graphic character sets*. [Geneva]: 1987–.

These parts of ISO/IEC 8859 predate the Unicode Standard, Version 1.0, and were used as resources: Part 1, *Latin alphabet No. 1*; Part 2, *Latin alphabet No. 2*; Part 3, *Latin alphabet No. 3*; Part 4, *Latin alphabet No. 4*; Part 5, *Latin/Cyrillic alphabet*; Part 6, *Latin/Arabic alphabet*; Part 7, *Latin/Greek alphabet*; Part 8, *Latin/Hebrew alphabet*; and Part 9, *Latin alphabet No. 5*.

The other parts of ISO/IEC 8859 are Part 10, *Latin alphabet No. 6*; Part 11, *Latin/Thai alphabet*; Part 13, *Latin alphabet No. 7*; Part 14, *Latin alphabet No. 8 (Celtic)*; Part 15, *Latin alphabet No. 9*; and Part 16, *Latin alphabet No. 10*. There is no Part 12.

ISO 8879: International Organization for Standardization. *Information processing—Text and office systems—Standard generalized markup language (SGML)*. [Geneva]: 1986. (ISO 8879:1986).

ISO 8957: International Organization for Standardization. *Information and documentation—Hebrew alphabet coded character sets for bibliographic information interchange*. [Geneva]: 1996. (ISO 8957:1996).

ISO 9036: International Organization for Standardization. *Information processing—Arabic 7-bit coded character set for information interchange*. [Geneva]: 1987. (ISO 9036:1987).

ISO/IEC 9573-13: International Organization for Standardization. *Information technology—SGML support facilities—Techniques for using SGML—Part 13: Public entity sets for mathematics and science*. [Geneva]: 1991. (ISO/IEC TR 9573-13:1991).

ISO/IEC 9995-7: International Organization for Standardization. *Information technology—Keyboard layouts for text and office systems—Part 7: Symbols used to represent functions*. [Geneva]: 1994. (ISO/IEC 9995-7:1994).

ISO/IEC 10367: International Organization for Standardization. *Information technology—Standardized coded graphic character sets for use in 8-bit codes*. [Geneva]: 1991. (ISO/IEC 10367:1991).

ISO 10585: International Organization for Standardization. *Information and documentation—Armenian alphabet coded character set for bibliographic information interchange*. [Geneva]: 1996. (ISO 10585:1996).

ISO 10586: International Organization for Standardization. *Information and documentation—Georgian alphabet coded character set for bibliographic information interchange*. [Geneva]: 1996. (ISO 10586:1996).

ISO/IEC 10646: International Organization for Standardization. *Information Technology—Universal Multiple-Octet Coded Character Set (UCS)*. [Geneva]: 2014. (ISO/IEC 10646:2014).

ISO 10754: International Organization for Standardization. *Information and documentation—Extension of the Cyrillic alphabet coded character set for non-Slavic languages for bibliographic information interchange*. [Geneva]: 1996. (ISO 10754:1996).

ISO/TR 11548-1: International Organization for Standardization. *Communication aids for blind persons—Identifiers, names and assignment to coded character sets for 8-dot Braille characters—Part 1: General guidelines for Braille identifiers and shift marks.* [Geneva]: 2001. (ISO/TR 11548:2001).

ISO/TR 11548-2: International Organization for Standardization. *Communication aids for blind persons—Identifiers, names and assignment to coded character sets for 8-dot Braille characters—Part 2: Latin alphabet based character sets.* [Geneva]: 2001. (ISO/TR 11548-2:2001).

ISO 11822: International Organization for Standardization. *Information and documentation—Extension of the Arabic coded character set for bibliographic information interchange.* [Geneva]: 1996. (ISO 11822:1996).

ISO/IEC 14496-22: International Organization for Standardization. *Information technology—Coding of audio-visual objects—Part 22: Open Font Format.* [Geneva]: 2015. (ISO/IEC 14496-22:2015). See also OpenType.

ISO/IEC 14651: International Organization for Standardization. *Information technology—International string ordering and comparison—Method for comparing character strings and description of the common template tailorable ordering.* [Geneva]: 2001. (ISO/IEC 14651:2001).

ISO 15285: International Organization for Standardization. *Information Technology—An Operational Model for Characters and Glyphs.* [Geneva]: 1998. (ISO/IEC TR 15285:1998).

ISO 15919: International Organization for Standardization. *Information and documentation—Transliteration of Devanagari and related Indic scripts into Latin characters.* [Geneva]: 2001. (ISO 15919:2001).

ISO 15924: International Organization for Standardization. *Information and Documentation—Codes for the representation of names of scripts = Information et documentation—Codes pour la représentation des noms d'écritures.* Bilingual edition = Édition bilingue. [Geneva: 2004]. (ISO 15924:2004).

ISO/IEC TR 19769: International Organization for Standardization. *Information technology—Programming languages, their environments and system software interfaces—Extensions for the programming language C to support new character data types.* [Geneva]: 2004. (ISO/IEC TR 19769:2004).

ITU-T Recommendation T.101: International Interworking for Videotex Services (November, 1994).

<http://www.itu.int/rec/T-REC-T.101/en>

JIS C 6226: Japanese Industrial Standards Committee. *Jouhou koukan you kanji fugou kei (Code of the Japanese graphic character set for information interchange).* Tokyo: Japanese Standards Association, 1978. (JIS C 6226:1978).

Revised as JIS C 6226:1983, then re-designated as JIS X 0208:1983.

JIS X 0208: Japanese Industrial Standards Committee. *7 bitto oyobi 8 bitto no 2 baito jouhou koukan you fugouka kanji shuugou (7-bit and 8-bit double byte coded kanji sets for information interchange)*. Tokyo: Japanese Standards Association, 1997. (JIS X 0208:1997).

Revision of the 1990 edition, which was the original source for the Unicode Standard. Originally designated as JIS X 0208:1983.

JIS X 0212: Japanese Industrial Standards Committee. *Jouhou koukan you kanji fugou—hojo kanji (Code of the supplementary Japanese graphic character set for information interchange)*. Tokyo: Japanese Standards Association, 1990. (JIS X 0212:1990).

JIS X 0213: Japanese Industrial Standards Committee. *7 bitto oyobi 8 bitto no 2 baito jouhou koukan you fugouka kakuchou kanji shuugou (7-bit and 8-bit double byte coded extended kanji sets for information interchange)*. Tokyo: Japanese Standards Association, 2004. (JIS X 0213:2004).

Revision of the 2000 edition.

JIS X 0221: Japanese Industrial Standards Committee. *Information Technology—Universal Multiple-Octet Coded Character Set (UCS)—Part 1: Architecture and Basic Multilingual Plane*. Tokyo: Japanese Standards Association, 2001. (JIS X 0221-1:2001).

Identical to ISO/IEC 10646-1:2000.

JIS X 4051: Japanese Industrial Standards Committee. *Nihongo Bunsho no Kumihan Houhou. (Formatting rules for Japanese documents)*. Tokyo: Japanese Standards Association, 2004. (JIS X 4051:2004).

Revision of the 1995 edition, used in Unicode Standard Annex #14, *Line Breaking Properties*.

JIS X 4052: Japanese Industrial Standards Committee. *Nihongo Bunsho no Kumihan Shitei Koukan Keishiki. (Exchange format for Japanese documents with composition markup)*. Tokyo: Japanese Standards Association, 2000. (JIS X 4052:2000).

KPS 9566: Committee for Standardization of the Democratic People's Republic of Korea. *(Code of the Korean graphic character set for information interchange)*. Pyongyang: 1997. (KPS 9566:1997).

KPS 10721: Committee for Standardization of the Democratic People's Republic of Korea. *(Code of the supplementary Korean hanja set for information interchange)*. Pyongyang: 2000. (KPS 10721:2000).

KS C 5601: Korea Industrial Standards Association. *Chongbo kyohwanyong puho (Han'gul mit Hancha)*. Seoul: 1989. (KS C 5601:1987).

KS X 1001: Korean Agency for Technology and Standards. *Chongbo kyohwanyong puho (Han'gul mit Hancha). (Code for information interchange (Hangeul and hanja))*. Seoul: 2004. (KS X 1001:2004).

Last confirmed 2014. Originally designated as KS C 5601:1992.

KS X 1002: Korean Agency for Technology and Standards. *Chongbo kyohwanyong puho hwakchang set'u. (Extension code for information interchange.)* Seoul: 1991. (KS X 1002:1991).

Last confirmed 2011. Originally designated as KS C 5657:1991.

KS X 1026-1: Korean Agency for Technology and Standards. *Information Technology – Universal Multiple Octet Coded Character Set – Hangeul, Part 1, Hangeul processing guide for information interchange.* Seoul: 2008. (KS X 1026-1:2008).

Last confirmed 2013.

MIME: (See RFCs 2045-2049, 4648-4649.)

OpenType: *OpenType™ Specification*, version 1.7. (Microsoft, 2015) See also ISO/IEC 14496-22:2015.

<http://www.microsoft.com/typography/otspec/>

The RFCs listed below are available through the *Request for Comments* page of the IETF website (<http://www.ietf.org/rfc.html>). This page provides for retrieval by RFC number and includes a list of all RFCs in numerical order (*RFC Index*).

RFC 2045: *Multipurpose Internet Mail Extensions (MIME). Part One: Format of Internet message bodies*, by N. Freed and N. Borenstein. November 1996. (Status: DRAFT STANDARD).

Updated by RFC 2184, RFC 2231.

RFC 2046: *Multipurpose Internet Mail Extensions (MIME). Part Two: Media types*, by N. Freed and N. Borenstein. November 1996. (Status: DRAFT STANDARD).

Updated by RFC 2646, RFC 3798.

RFC 2047: *MIME (Multipurpose Internet Mail Extensions). Part Three: Message header extensions for non-ASCII text*, by K. Moore. November 1996. (Status: DRAFT STANDARD).

Updated by RFC 2184, RFC 2231.

RFC 2048: Obsolete by RFC 4288, RFC 4289.

RFC 2049: *Multipurpose Internet Mail Extensions (MIME). Part Five: Conformance criteria and examples*, by N. Freed and N. Borenstein. November 1996. (Status: DRAFT STANDARD).

RFC 2152: *UTF-7: A mail-safe transformation format of Unicode*, by D. Goldsmith and M. Davis. May 1997. (Status: INFORMATIONAL).

RFC 3066: Obsolete by RFC 4646, RFC 4647.

RFC 3629: *UTF-8: A transformation format of ISO 10646*, by F. Yergeau. November 2003. (Also STD0063). (Status: STANDARD).

RFC 4288: *Media type specifications and registration procedures*, by N. Freed and J. Klensin. December 2005. (Also BCP0013). (Status: BEST CURRENT PRACTICE).

RFC 4289: *Multipurpose Internet Mail Extensions (MIME). Part Four: Registration procedures*, by N. Freed and J. Klensin. December 2005. (Also BCP0013). (Status: BEST CURRENT PRACTICE).

RFC 4646: *Tags for identifying languages*, edited by A. Phillips and M. Davis. 2006. (Also BCP0047). (Status: BEST CURRENT PRACTICE).

RFC 4647: *Matching of language tags*, edited by A. Phillips and M. Davis. 2006. (Also BCP0047). (Status: BEST CURRENT PRACTICE).

SI 1311.1: Standards Institution of Israel. *Information technology: ISO 8-bit coded character set with Hebrew points*. [Tel Aviv: 1996]. (SI 1311.1 (1996)).

SI 1311.2: Standards Institution of Israel. *Information technology: ISO 8-bit coded character set with Hebrew accents*. [Tel Aviv: 1996]. (SI 1311.2 (1996)).

SLS 1134: Sri Lanka Standards Institution. *Sinhala character code for information interchange*. Colombo: 1996. (SLS 1134: 1996).

TGH 2013: *Tongyong Guifan Hanzibiao (List of Generally Used Standardized Chinese Characters)*. Beijing: Renmin Chubanshe (People's Press), 2013.

TIS 620-2529: Thai Industrial Standards Institute, Ministry of Industry. *Thai Industrial Standard for Thai character code for computer*. Bangkok: 1986. (TIS 620-2529–1986).

TIS 620-2533: Thai Industrial Standards Institute. *Standard for Thai character codes for computers*. Bangkok: 1990. (TIS 620-2533–1990). ISBN 974-606-153-4.

In Thai. Online version: <http://www.nectec.or.th/it-standards/std620/std620.htm>

Extensible Markup Language (XML) 1.0. 4th ed. (W3C Recommendation 16 August 2006). Editors: Tim Bray, Jean Paoli, C. M. Sperberg-McQueen, Eve Maler, [and] François Yergeau.

<http://www.w3.org/TR/2006/REC-xml-20060816/>

Extensible Markup Language (XML), 1.1. 2nd ed. (W3C Recommendation 16 August 2006). Editors: Tim Bray, Jean Paoli, C. M. Sperberg-McQueen, Eve Maler, François Yergeau, [and] John Cowan.

<http://www.w3.org/TR/2006/REC-xml11-20060816/>

R.2 Source Dictionaries for Han

Dae Jaweon. Seoul: Samseong Publishing Co. Ltd., 1988.

Dai Kan-Wa Jiten / Morohashi Tetsuji cho. Shu teiban. Tokyo: Taishukan Shoten, Showa 59-61, [1984-86].

Hanyu Da Zidian. 1st ed. Chendu: Sichuan Cishu Publishing, 1986.

KangXi Zidian. 7th ed. Beijing: Zhonghua Bookstore, 1989.

R.3 Other Script Sources

General

ALA-LC Romanization Tables: Transliteration Schemes for Non-Roman Scripts, Approved by the Library of Congress and the American Library Association. Tables compiled and edited by Randall K. Barry. Washington, DC: Library of Congress, 1997. ISBN 0-8444-0940-5.

Adlam

Barry, Ibrahima Ishagha. 2006. *Hè'lma wallifandè fin èkkitago'l bèbèrè Pular: Guide pratique pour apprendre l'alphabet Pulaar*. Conakry, 2006.

Ahom

Barua, Bimala Kanta, and N.N. Deodhari Phukan. *Ahom Lexicons, Based on Original Tai Manuscripts*. Guwahati: Department of Historical and Antiquarian Studies, 1964.

Hazarika, Nagen, ed. *Lik Tai Khwam Tai* (Tai letters and Tai words). Souvenir of the 8th Annual conference of Ban Ok Pup Lik Mioung Tai. Eastern Tai Literary Association, 1990.

Kar, Babul. *Tai Ahom Alphabet Book*. Sepon, Assam: Tai Literature Associate, 2005.

Alchemical Symbols

Berthelot, Marcelin. *Collection des anciens alchimistes grecs*. 3 vols. Paris: G. Steinheil, 1888.

Berthelot, Marcelin. *La chimie au moyen âge*. 3 vols. Osnabrück: O. Zeller, 1967.

Lüdy-Tenger, Fritz. *Alchemistische und chemische Zeichen*. Würzburg: JAL-reprint, 1973.

Schneider, Wolfgang. *Lexikon alchemistisch-pharmazeutischer Symbole*. Weinheim/Bergstr.: Verlag Chemie, 1962.

Anatolian Hieroglyphs

Hawkins, John David, and Halet Çambel. *Corpus of Hieroglyphic Luwian Inscriptions*. Berlin and New York: Walter de Gruyter, 2000. ISBN 3-11-010864-X.

Herbordt, Suzanne. *Die Prinzen- und Beamtensiegel der hethitischen Grossreichszeit auf Tonbullien aus dem Nişantepe-Archiv in Hattusa*. Mit Kommentaren zu den Siegelinschriften und Hieroglyphen von J. David Hawkins. Mainz am Rhein: Verlag Philipp von Zabern, 2005. ISBN: 3-8053-3311-0.

Laroche, Emmanuel. *Les hiéroglyphes hittites. Première partie: L'écriture*. Paris: Éditions du Centre National de la Recherche Scientifique, 1960.

Marazzi, Massimiliano, Natalia Bolatti-Guzzo, and Paola Dardano. 1998. *Il geroglifico Anatolico: sviluppi della ricerca a venti anni dalla sua "ridecifrazione". Atti del Colloquio e della tavola rotonda Napoli-Procida, 5-9 giugno 1995*. Istituto Universitario Orientale, Dipartimento di Studi Asiatici, Series Minor; 57. Napoli: Istituto Universitario Orientale, 1998.

Avestan

Geldner, Karl F. *Avesta: The Sacred Books of the Parsis*. Stuttgart: W. Kohlhammer, 1880.

Reprinted, with an introduction in Persian by Dr. Jaleh Amouzgar. Tehran: Asatir, 2003. ISBN 964-331-126-0.

Hoffmann, Karl, and B. Forssman. *Avestische Laut- und Flexionslehre*. Innsbruck: Innsbrucker Beiträge zur Sprachwissenschaft, 1996. ISBN 3851246527.

Oryan, Said. *Pahlavi-Pazand Glossary: Farhang ī Pahlavi*. Tehran: Research Institute for Islamic Culture and Art, 1999 (1377 AP). (Language and Literature, 4). ISBN 964-471-414-8.

Reichelt, Hans. *Avesta Reader: An Approach to the Zoroaster's Gathas and New Avestan Texts*. Translated and annotated with Persian translation of hymns and texts by Jalil Doostkhah. Tehran: Qoqnoos Publishing, 2004 (1383 AP). ISBN 964-311-473-2.

Balinese

Medra, Nengah. *Pedoman Pasang Aksara Bali*. Denpasar: Dinas Kebudayaan Propinsi Bali, 2003.

Menaka, Made. *Kamus Kawi Bali / olih, made Menaka*. Singaraja: Yayasan Kawi Sastra Mandala, 1990.

Simpem, I Wayan. *Pasang Aksara Bali*. Denpasar: Upada Sastra, 1992.

Also published: Denpasar: Dinas Pengajaran Daerah Tingkat I Bali, 1979.

Bamum

Dugast, J., and M. D. W. Jeffreys. *L'écriture des bamum: sa naissance, son évolution, sa valeur phonétique, son utilisation*. Mémoires de l'Institut Français d'Afrique Noire, Centre du Cameroun, 1950.

Nchare, Oumarou. *The Writing of King Njoya: Genesis, Evolution, Use*. Foumban: Palais des Rois Bamoun, Maison de la Culture, [s.d.].

Schmitt, Alfred. *Die Bamum-Schrift*. Band I: *Text*. Wiesbaden: Harrassowitz, 1963.

Bassa Vah

Bertkau, Jana S. "A Comparison of Three Bassa Orthographies." 1976. Unpublished paper housed in Liberian Collections, Indiana University.

Dalby, David. "A Survey of the Indigenous Scripts of Liberia and Sierra Leone: Vai, Bassa Vah, Bassa Vah, Kpelle and Bassa." *African Language Studies* 8 (1967): 1–51.

Batak

Kozok, Uli. *Warisan leluhur: sastra lama dan aksara Batak*. Jakarta: École française d'Extrême Orient, 1999. ISBN 979-9023-33-5.

Meerwaldt, J H. *Handleiding tot de beoefening der Bataksche taal*. Leiden: E.J. Brill, 1904.

Tuuk, Herman Neubronner van der. *A Grammar of Toba Batak*. Translated by Jeune Scott-Kemball, edited by Andries Teeuw and R. Roolvink. The Hague: Nijhoff, 1971.

First English edition of Tobasche spraakkunst, 1864-1867.

Bhaiksuki

Bendall, Cecil. "On a newly discovered form of Indian character." *Verhandlungen des VII. Internationalen Orientalisten-Congresses gehalten in Wien im Jahre 1886; arische Section*, 111–125. Alfred Holder: Vienna, 1886.

Dimitrov, Dragomir. *The Bhaikṣukī Manuscript of the Candrālamkāra: Study, Script Tables, and Facsimile Edition*. Cambridge, Mass.: Published by the Harvard Oriental Series, The Department of Sanskrit and Indian Studies, Harvard University, 2010. (Harvard Oriental Series, vol. 72.)

Hanisch, Albrecht. "Sarvarakṣita's Maṇicūḍajātaka: Reproduction of the Codex Unicus with Diplomatic Transcript and Palaeographic Introduction to the Bhaikṣukī Script." *Sanskrit Texts from Giuseppe Tucci's Collection*, Part I, edited by Harunaga Isaacson and Francesco Sferra, 195–342. Rome: Istituto Italiano per l'Africa e l'Oriente, 2008 [read: 2009]. (Manuscripta Buddhica 1, Serie Orientale Roma, 104.)

Brahmi

Baums, Stefan. "Towards a Computer Encoding for Brāhmī." *Script and Image: Papers on Art and Epigraphy*, edited by Adalbert J. Gail, Gerd J. R. Mevissen and Richard Salomon, vol. 11.1, 111–143. Delhi: Motilal Banarsidass Publishers, 2006.

Bühler, G. "The Bhattiprolu Inscriptions." *Epigraphia Indica: A Collection of Inscriptions Supplementary to the Corpus Inscriptionum Indicarum of the Archaeological Survey*, vol. 2, 323–329. Calcutta: Epigraphia Indica, 1894.

Dani, Ahmad Hasan. *Indian Palaeography*. 2nd edition. New Delhi: Munshiram Manoharlal Publishers, 1986.

Mahadevan, Iravatham. *Early Tamil Epigraphy: From the Earliest Times to the Sixth Century A.D.* Chennai, India: Cre-A, 2003. (Harvard Oriental Series, vol. 62.)

Canadian Aboriginal Syllabics

Canadian Aboriginal Syllabic Encoding Committee. *Repertoire of Unified Canadian Aboriginal Syllabics Proposed for Inclusion into ISO/IEC 10646: International Standard Universal Multiple-Octet Coded Character Set*. [Canada]: CASEC, [1994].

Carian

Adiego, Ignacio-Javier. *The Carian Language*. Leiden; Boston: Brill, 2007.

Melchert, H. Craig. “Carian.” *The Cambridge Encyclopedia of the World’s Ancient Languages*, edited by Roger Woodard, 609–613. Cambridge: Cambridge University Press, 2004. ISBN-13: 978-0521562560.

Caucasian Albanian

Gippert, Jost, Wolfgang Schulze, Zaza Aleksidzé, and J.-P. Mahé. *The Caucasian Albanian Palimpsests of Mount Sinai*. 3 vols. Turnhout: Brepols, 2009–2010.

Chakma

Cāṅmā, Cirajyoti and Maṅgal Cāṅgmā. *Cāṅmār āg p u d h i* = Chakma primer. Rāṅamāṭi: Cāṅmābhāṣā Prakāśanā Pariṣad. 1982.

Khisa, Bhagadatta. *Cāṅmā pattham pāt* = Chakma primer. Rāṅamāṭi: Tribal Cultural Institute, 2001.

Cham

Aymonier, Étienne, and Antoine Cabaton. *Dictionnaire Čam-Français*. Paris, 1906.

Bùi Khánh Thế. *Từ điển Chăm-Việt: Inālang cam-biet đām*. [Hồ Chí Minh]: Nhà xuất bản Khoa Học Xã Hội, 1995.

Kōno Rokurō, Chino Eiichi, and Nishida Tatsuo. *The Sanseido Encyclopaedia of Linguistics*. Volume 7: *Scripts and Writing Systems of the World* [*Gengogaku dai ziten (bekkan) sekai mozi ziten*]. Tokyo: Sanseido Press, 2001. ISBN 4-385-15177-6.

Cherokee

Alexander, J. T. *A Dictionary of the Cherokee Indian Language*. [Sperry, Oklahoma?]: Published by the author, 1971.

Holmes, Ruth Bradley. *Beginning Cherokee*, by Ruth Bradley Holmes and Betty Sharp Smith. 2nd ed. Norman: University of Oklahoma Press, 1977. ISBN 0-8061-1464-9.

New Echota Letters: Contributions of Samuel A. Worcester to the Cherokee Phoenix, edited by Jack Frederick Kilpatrick and Anna Gritts Kilpatrick. Dallas: Southern Methodist University Press, [s.d.].

Includes reprint of an article by S. A. Worcester, which appeared in the *Cherokee Phoenix*, Feb. 21, 1828.

Coptic

Browne, Gerald M. *Old Nubian Grammar*. München: Lincom Europa, 2002. (*Languages of the world: Materials*, 330). ISBN 3-89586-893-0 (pbk.).

Kasser, Rodolphe. “La ‘Genève 1986’: une nouvelle série de caractères typographiques cop-tes, protocoptes et vieux-coptes créée à Genève.” *Bulletin de la Société d’égyptologie de Genève*, 12 (1988): 59–60. ISSN 0255-6286.

Kasser, Rodolphe. “A Standard System of Sigla for Referring to the Dialects of Coptic.” *Journal of Coptic Studies*, 1 (1990): 141–151. ISSN 1016-5584.

Cypriot

See Linear B and Cypriot.

Deseret

Encyclopedia of Mormonism, entry for “Deseret Alphabet.”

New York: Macmillan, 1992. ISBN 0-02-904040-X.

Monson, Samuel C. *Representative American Phonetic Alphabets*. New York: 1954.

Ph.D. dissertation—Columbia University.

Duployan

Hautefeuille, Arthur, and C. Ramaude. *Cours de Sténographie Duployé Fondamentale*. Paris: Bertrand-Lacoste, 1983.

Le Jeune, Jean Marie Raphael. *Chinook and Shorthand Rudiments, with which the Chinook Jargon and the Wawa Shorthand can be measured without a Teacher in a Few Hours*. Kamloops, B.C.: [s.n.], 1898.

<http://eco.canadiana.ca/view/oocihm.15465/4?r=0&s=1>

Sloan, John Matthew, and Émile Duployé. *Modern Shorthand: the Sloan-Duployan Phono-graphic Instructor: the most legible, briefest, and simplest Shorthand Method in the World*. 11th ed. London: Head Offices of Sloan-Duployan Phonography, Ramsgate, 1884.

First edition 1882.

Egyptian Hieroglyphs

Allen, James P. *Middle Egyptian: An Introduction to the Language and Culture of Hieroglyphs*. Cambridge: Cambridge University Press, 1999. ISBN 0-521-77483-7.

Gardiner, Alan H. *Catalogue of the Egyptian Hieroglyphic Printing Type, from Matrices Owned and Controlled by Dr. Alan H. Gardiner, in Two Sizes, 18 Point, 12 Point with Intermediate Forms*. Oxford: Oxford University Press, 1928.

Gardiner, Alan H. "Additions to the New Hieroglyphic Fount (1928)." *The Journal of Egyptian Archaeology*, 15 (1929): 95. ISSN 0307 5133.

Gardiner, Alan H. "Additions to the New Hieroglyphic Fount (1931)." *The Journal of Egyptian Archaeology*, 17 (1931): 245–247. ISSN 0307 5133.

Gardiner, Alan H. *Supplement to the Catalogue of the Egyptian Hieroglyphic Printing Type, Showing Acquisitions to December 1953*. Oxford: Oxford University Press, 1953.

Gardiner, Alan H. *Egyptian Grammar: Being an Introduction to the Study of Hieroglyphs*. 3rd edition. London: Oxford University Press, 1957. ISBN 0-900416-35-1.

Elbasan

Elsie, Robert. "The Elbasan Gospel Manuscript (Anonimi i Elbasanit), 1761, and the Struggle for an Original Albanian Alphabet." *Südost-Forschungen* 54 (1995): 105-159.

Online version: http://www.elsie.de/pdf/articles/A1995ElbasanMs_Fig.pdf

Ethiopic

Armbruster, Carl Hubert. *Initia Amharica: An Introduction to Spoken Amharic*. Cambridge: Cambridge University Press, 1908–1920.

Launhardt, Johannes. *Guide to Learning the Oromo (Galla) Language*. Addis Ababa: Launhardt, [1973?].

Leslau, Wolf. *Amharic Textbook*. Wiesbaden: Harrassowitz; Berkeley: University of California Press, 1968.

Glagolitic

Glagolitica: zum Ursprung der slavischen Schriftkultur, herausgegeben von Heinz Miklas, unter der Mitarbeit von Sylvia Richter und Velizar Sadovski. Wien: Verlag der Österreichischen Akademie der Wissenschaften, 2000. (*Schriften der Balkan-Kommission, Philologische Abteilung*, 41). ISBN 3-7001-2895-9.

Khaburgaev, Georgii Aleksandrovich. *Staroslavianskii iazyk*. Izd. 2-e, perer. i dop. Moskva: Prosveshchenie, 1986.

Žubrinić, Darko. *Hrvatska glagoljica: biti pismen—biti svoj*. Zagreb: Hrvatsko književno društvo sv. Jeronima (sv. Cirila i Metoda): Element, 1996. ISBN 953-6111-35-7.

Gothic

Ebbinghaus, Ernst. "The Gothic Alphabet." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Grantha

Grünendahl, Reinhold. *South Indian Scripts in Sanskrit Manuscripts and Prints: Grantha Tamil – Malayalam – Telugu – Kannada – Nandinagari*. Wiesbaden: O. Harrassowitz, 2001. ISBN: 3-447-04504-3.

Venugopalan, K. *A Primer in Grantha Characters*. St. Peter, MN: James H. Nye, 1983.

http://dsal.uchicago.edu/digbooks/dig_toc.html?BOOKID=PK419.V468_1983

Visalakshy, P. *The Grantha Script*. St. Xavier's College, University of Kerala, Trivandrum, India: Dravidian Linguistics Association, 2003.

Greek Editorial Marks

Austin, Colin. *Comicorum Graecorum Fragmenta in Papyris Reperta*, ed. Colinus Austin. Berolini [Berlin], Novi Eboraci [New York]: de Gruyter, 1973, p. 29. ISBN 3110024012.

Homer. *Iliad. Homeri Ilias*, edidit Thomas W. Allen. 3 vols. Oxonii [Oxford]: e typographeo Clarendoniano [Clarendon Press], 1931, vol. 2: pp. 39, 234.

The Oxyrhynchus Papyri, Part XV, edited with translations and notes by Bernard P. Grenfell and Arthur S. Hunt. London: Egypt Exploration Society, 1921, p. 56. (*Egypt Exploration Society, Graeco-Roman Memoirs*, 18).

Hatran

Aggoula, Basile. *Inventaire des inscriptions hatréennes*. Paris: Librairie orientaliste Paul Geuthner, 1991.

Bertolino, Roberto. *Manuel d'épigraphie hatréenne*. Paris: Geuthner Manuels, 2008.

Beyer, Klaus. 1998. *Die aramäischen Inschriften aus Assur, Hatra und dem übrigen Ostmesopotamien*. Göttingen: Vandenhoeck & Ruprecht, 1998. ISBN 3-525-53645-3.

Imperial Aramaic

Driver, G. R. *Semitic Writing from Pictograph to Alphabet*. 3rd ed. by S. A. Hopkins. London: Oxford University Press for the British Academy, 1976. ISBN 9780197259177.

Lidzbarski, Mark. *Handbuch der nordsemitischen Epigraphik nebst ausgewählten Inschriften*. Hildesheim: Georg Olms Verlagsbuchhandlung, 1962.

Reprint of 1898 edition.

Naveh, Joseph. *Early History of the Alphabet: An Introduction to West Semitic Epigraphy and Palaeography*. Jerusalem: Magnes Press, the Hebrew University, 1987. ISBN 965-223-436-2.

Porten, Bezalel, and Ada Yardeni. *Textbook of Aramaic Documents from Ancient Egypt*. 4 vols. Jerusalem: Hebrew University, 1986–1999. ISBN 9652220752 (v. 1), 9653500031 (v. 2), 9653500147 (v. 3), 9653500899 (v. 4).

Rosenthal, Franz. *A Grammar of Biblical Aramaic*. 7th rev. ed. Wiesbaden: Harrassowitz, 2006. ISBN 3-447-05251-1.

Inscriptional Parthian and Inscriptional Pahlavi

Akbarzādeh, Dāriyūš. *Katibe-hā-ye Pahlavi-ye Aškāni (Pārti) = Parthian Inscriptions*. Vol. 2. Tehran: Pazineh Press, 2002 (1381 AP). ISBN 964-5722-74-8.

Akbarzādeh, Dāriyūš. *Katibe-hā-ye Pahlavi: sang-negāre, sekke, mohr, asar-e mohr, zarf-nebešte = Pahlavi Inscriptions: Inscriptions, Coins, Seals, Sealing Impression*. Vol. I. Tehran: Pazineh Press, 2003 (1382 AP). ISBN 964-5722-44-6.

Nyberg, Henrik Samuel. *A Manual of Pahlavi*. 2 vols. Wiesbaden: Harrassowitz, 1964–1974. ISBN 9783447015806 (vol. 2).

Reprinted: Tehran: Asatir, 2003. ISBN 964-331-132-5, 964-331-131-7.

Oryan, Saeed. *Rahn mā-ye katibe-hā-ye Irāni-ye miyāne Pahlavi-Pārti = Manual of Middle Iranian Inscriptions (Parthian-Pahlavi)*. Tehran: Iranian Cultural Heritage Organization, 2003 (1382 AP). ISBN 964-7483-71-6.

Rezai Baghbidi, Hassan. *Dastur-e Zabān-e Pārti (Pahlavi-e Aškāni) = A Grammar of Parthian (Arsacid Pahlavi)*. Iranian Academy of Persian Language and Literature, 2002 (1381 AP). ISBN 964-7531-05-2.

International Phonetic Alphabet

Esling, John. “Computer Coding of the IPA: Supplementary Report.” *Journal of the International Phonetic Association*, 20.1 (1990): 22–26.

International Phonetic Association. *Handbook of the International Phonetic Association: A Guide to the Use of the International Phonetic Alphabet*. Cambridge: Cambridge University Press, 1999. ISBN 0-521-65236-7; 0-521-63751-1 (pbk.).

International Phonetic Association.

<https://www.internationalphoneticassociation.org/>

Journal of the International Phonetic Association, 24.2 (1994): 95–98, and 25.1 (1995): 21.

Pullum, Geoffrey K. “Remarks on the 1989 Revision of the International Phonetic Alphabet.” *Journal of the International Phonetic Association*, 20.1 (1990): 33–40.

Pullum, Geoffrey K., and William A. Ladusaw. *Phonetic Symbol Guide*. 2nd ed. Chicago: University of Chicago Press, 1996. ISBN 0-226-68535-7; 0-226-68536-5 (pbk.).

Wells, John Christopher. *Accents of English*. Cambridge, New York: Cambridge University Press, 1982.

Vol. 1: *Introduction*. ISBN 0-521-22919-7; ISBN 0-521-29719-2 (pbk.); vol. 2: *The British Isles*. ISBN 0-521-24224-X, ISBN 0-521-28540-2 (pbk.); vol. 3: *Beyond the British Isles*. ISBN 0-521-24225-8, ISBN 0-521-28541-0 (pbk.).

Javanese

Bohatta, Hanns. *Praktische Grammatik der javanischen Sprache, mit Lesestücken, einem javanisch-deutschen und deutsch-javanischen Wörterbuch*. Wien, Pest, Leipzig: Hartleben, [1892]. (Kunst der Polyglottie, 39).

Rochadi GK, R. H., and R. L. Sadeli Erawan BK. *Cacaran aksara Sunda*. Bandung: Harisma, 1984.

Roorda, T. *Javaansche grammatica, benevens een leesboek tot oefening in de javaansche taal*. Amsterdam: Johannes Müller, 1855.

Walbeehm, A. H. J. G. *Javaansche spraakkunst: schrift, uitspraak, taalsoorten en woordafleiding*. Leiden: E. J. Brill, 1905.

Kaithi

Bihar High Court of Judicature. *Selection of Hindusthani Documents from the Courts of Bihar*, compiled by S. K. Das. Patna, Bihar: Superintendent, Government Printing, 1939.

Grierson, George A. *A Handbook to the Kaithi Character*. 2nd rev. ed. Calcutta: Thacker, Spink & Co., 1899.

Revised edition of *A Kaithi Handbook*, 1881.

King, Christopher R. *One Language, Two Scripts: The Hindi Movement in Nineteenth Century North India*. Bombay: Oxford University Press, 1994.

Kayah Li

Bennett, J. Fraser. *Kayah Li Script: A Brief Description*. Urbana-Champaign: University of Illinois, 1993.

Karenni Literature Department. *Ka¹ya³lhi¹-Ku³la³ Nghôchozha³: The Modern Western Kayah Li-English Lexicon*. [Chiang Mai]: Payap University, 1994. [without tones = Kayalhi-Kula Nghôchozha]

Solnit, David B. *Eastern Kayah Li: Grammar, Texts, Glossary*. Honolulu: University of Hawai'i Press, 1997. ISBN 0-8248-1743-5.

Kharoshthi

Glass, Andrew. *A Preliminary Study of Kharoshthi Manuscript Paleography*. 2000.

Thesis (M.A.), University of Washington, 2000.

Glass, Andrew. "Kharoṣṭhī Manuscripts: A Window on Gandhāran Buddhism." *Nagoya Studies in Indian Culture and Buddhism*, 24 (2004): 129–152. ISSN 0285-7154.

Salomon, Richard. *Ancient Buddhist Scrolls from Gandhāra: The British Library Kharosthi Fragments*. Seattle: University of Washington Press; London: British Library, 1999. ISBN 029597768X; 0295977698 (pbk).

Khojki

Asani, Ali S. "The Khojkī Script: A Legacy of Ismaili Islam in the Indo-Pakistan Subcontinent." *Journal of the American Oriental Society* 107.3 (Jul. - Sep. 1987): 439–449.

Asani, Ali S. "The Khojkī Script and its Manuscript Tradition." *Ecstasy and Enlightenment: The Ismaili Devotional Literature of South Asia*, by Ali Asani, 124–152. London: I. B. Tauris & Co. in association with The Institute of Islamic Studies, 2002.

Daftary, Farhad. "Ismaili History and Literary Traditions". *An Anthology of Ismaili Literature: A Shi'ī Vision of Islam*, edited by Hermann Landolt, Samira Sheikh, and Kutub Kassam, 1–29. London; New York: I.B. Tauris in Association with the Institute of Ismaili Studies, 2008.

Shackle, Christopher and Zawahir Moir. *Ismaili Hymns from South Asia: An Introduction to the Ginans*. London: School of Oriental and African Studies, University of London, 1992.

Khudawadi

Grierson, George A. *The Linguistic Survey of India*. Vol. 8: *Indo-Aryan Family. North-Western Group*. Part 3: *Sindhī and Lahndā*. Calcutta: Office of the Superintendent of Government Printing, India, 1919.

Jetley, Murlidhar Kishinchand. *Boliya jo sirishto ain likhawata: sindhi boliya jawan lipiyon*. [Structure of Language and Writing System: A Brief History of Sindhi Script]. Delhi: Akhil Bharatiya Sindhi Sahitya Vidvat Parishad, 1999.

In Sindhi language in Arabic script.

Lepcha

Mainwaring, G. B. *A Grammar of the Rong (Lepcha) Language as it Exists in the Dorjeling and Sikim Hills*. Delhi: Daya Publishing House, 1985 (1876).

Plaisier, H. "A Brief Introduction to Lepcha Orthography and Literature." *Bulletin of Tibetology* 41:1 (2005), 7–24.

Plaisier H. *A Grammar of Lepcha*. Leiden: Brill, 2007. (Brill's Tibetan Studies Library, Languages of the Greater Himalayan Region 5).

Limbu

Cemjonga, Imana Simha, and Bairagi Kaila, eds. *Limbu-Nepali-Angreji śabdakoś*. [Limbu-Nepali-English Dictionary.] Kathmandu: Royal Nepal Academy, 2059 [2002].

Includes an introduction describing the Limbu script.

Cemjonga, Imana Simha. *Yakthun-Pene-Mikphula Pancheka*. = *Limbu-Nepali-Angreji śabdakoś*. = *Limbu-Nepali-English Dictionary*. [Lekhaka] Imanasimha Cemajon. [Kathmandu]: Nepala Ekedemi [2018 vi., i.e., 1962].

In Devanagari script. Author also known as Chemjong, Iman Singh.

Driem, George van. *A Grammar of Limbu*. Berlin, New York: Mouton de Gruyter, 1987. (Mouton grammar library, 4.) ISBN 0-89925-345-8.

Appendix: *Anthology of Kiranti scripts*, pp. 550–558.

Shafer, Robert. *Introduction to Sino-Tibetan*. Wiesbaden: Harrassowitz, 1966–1974.

Published in five parts with continuous pagination.

Sprigg, R. K. “Limbu Books in the Kiranti Script.” International Congress of Orientalists (24th: 1957: Munich). *Akten des Vierundzwanzigsten Internationalen Orientalisten-Kongresses München 28. August bis 4. September 1957*, hrsg. von Herbert Franke. Wiesbaden: Deutsche Morgenländische Gesellschaft, in Kommission bei Franz Steiner Verlag, 1959.

The modern script described in this work is now outdated.

Sprigg, R. K. [Review of van Driem (1987)]. *Bulletin of the School of Oriental and African Studies, University of London*, 52:1 (1989), 163–165.

Subba, B. B. *Limbu, Nepali, English Dictionary*. Gangtok: Text Book Unit, Directorate of Education, Govt. of Sikkim, 1979 [i.e. 1980].

Cover title: Yakthun-Pene-Mikphula-panchekva. In Limbu and Devanagari scripts.

Subba, B. B. *Yakthun huṛsiṅlam* (“Limbu self-teaching method”) = *Limbu akṣar gāiḍ* (“Limbu letter guide”). Gangtok: Kwaliti Stores, 1991?

In Nepali and Limbu.

Yoñhāñ, Khel Rāj. *Limbū Nepālī śabdakoś*. [Lalitpur]: 2052 B.S. [i.e. 1995].

In Limbu script.

Linear A

Bennett, Emmett L. “Aegean Scripts.” *The World’s Writing Systems*, edited by Peter T. Daniels and William Bright, 125-133. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Chadwick, John. *Linear B and Related Scripts*. Berkeley: University of California Press; [London]: British Museum, 1987. (Reading the Past, v. 1). ISBN: 0-520-06019-9.

Godart, Louis, and Jean-Pierre Olivier. *Recueil des inscriptions en Linéaire A*. Vols. 1-5. Paris: Librairie Orientaliste Paul Geuthner, 1976–1985. (Études Crétoises, 21). (GORILA).

Younger, John G. *Linear A Texts in Phonetic Transcription*. 2000–present.

<http://people.ku.edu/~jyounger/LinearA/>

Linear B and Cypriot

Bennett, Emmett L. “Aegean Scripts.” *The World’s Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Chadwick, John. *The Decipherment of Linear B*. 2nd ed. London: Cambridge University Press, 1967 [i.e. 1968].

Chadwick, John. *Linear B and Related Scripts*. Berkeley: University of California Press; [London]: British Museum, 1987. (*Reading the Past*, v. 1). ISBN 0-520-06019-9.

Hooker, J. T. *Linear B: An Introduction*. Bristol: Bristol Classical Press, 1980. ISBN 0-906515-69-6.

Corrected printing published 1983. ISBN 0-906515-69-6; 0-906515-62-9 (pbk.).

International Colloquium on Mycenaean Studies (3rd: 1961: Racine, WI). *Mycenaean Studies: Proceedings of the Third International Colloquium for Mycenaean Studies held at “Wingspread,” 4–8 September 1961*, edited by Emmett L. Bennett, Jr. Madison: University of Wisconsin Press, 1964.

Appendix: The Wingspread Convention for the Transcription of Mycenaean (Linear B) Texts: pp. 254–262.

Masson, Olivier. *Les Inscriptions chypriotes syllabiques: recueil critique et commenté*. Réimpr. augm. Paris: E. de Boccard, 1983.

Sampson, Geoffrey. *Writing Systems: A Linguistic Introduction*. Stanford, CA: Stanford University Press, 1985. ISBN 0-8047-1254-9.

Also published: London, Hutchinson. ISBN 0-09-156980-X; 0-09-173051-1 (pbk.).

Ventris, Michael. *Documents in Mycenaean Greek*. 1st ed. by Michael Ventris and John Chadwick with a foreword by Alan J. B. Wace. 2nd ed. by John Chadwick. Cambridge: Cambridge University Press, 1973. ISBN 0-521-08558-6.

Lisu

Bya, Yuliya. *Li-su Tho Uh Ba Pa Pha Tso So Du (Lisu Alphabet Primer)*. Chiang Mai: Christian Literature Fellowship, 2000.

Xu, Lin, Yuzhang Mu, and Xingzhi Gai, eds. *Lisuyu Jianzhi (A Sketch of the Lisu Language)*. Beijing: The Ethnic Publishing House, 1986. (*Chinese Minority Language Sketch Series*.)

Yunnan Minority Language Commission, and Weixi Culture and Education Bureau, eds. *Li-su Tho Uh Tso So Du (Lisu Primer)*. Kunming: Yunnan Nationality Publishing House, 1981.

Zhu, Faqing. *Li-su Be Xuh Ngo Bae Khuh Tae Du Ra (Small Lisu-Chinese Dictionary)*. Dehong: Dehong Nationality Publishing House, 1984.

Lycian

Carruba, O. “La scrittura licia.” *Annali della scuola normale superiore di Pisa, Classe di lettere e filosofia*. 3rd series. 8 (1978):849–867.

Melchert, H. Craig. “Lycian.” *The Cambridge Encyclopedia of the World’s Ancient Languages*, edited by Roger Woodard, 591–600. Cambridge: Cambridge University Press, 2004. ISBN-13: 978-0521562560.

Lydian

Gérard, Raphaël. *Phonétique et morphologie de la langue lydienne*. Louvain-la-Neuve: Peeters, 2005.

Gusmani, Roberto. *Lydisches Wörterbuch mit grammatischer Skizze und Inschriftensammlung*. Heidelberg: Carl Winter, 1964.

Melchert, H. Craig. “Lydian.” *The Cambridge Encyclopedia of the World’s Ancient Languages*, edited by Roger Woodard, 601–608. Cambridge: Cambridge University Press, 2004. ISBN-13: 978-0521562560.

Mahajani

Lālā Gaṅgādāsa (Muṃśī Lāla). *Mahājanī-sāra-hissā-avvala-va-doyama = Mahajani primer*, parts one and two. Dehalī, 18-?.

Leitner, Gottlieb William. “A Collection of Specimens of Commercial and Other Alphabets and Handwritings as also of Multiplication Tables Current in Various Parts of the Panjab, Sind and the North West Provinces”. Appendix V of *History of Indigenous Education in the Punjab*. Lahore: Anjuman-i-Punjab Press, 1882.

Mandaic

Daniels, P. “Aramaic Scripts for Aramaic Languages.” *The World’s Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Häberl, C. “Iranian Scripts for Aramaic Languages: The Origin of the Mandaic Script,” *Bulletin of the American Schools of Oriental Research*, No. 341 (Feb., 2006), 53-62.

Coulmas, Florian. *The Blackwell Encyclopedia of Writing Systems*. Oxford, Cambridge: Blackwell, 1999. ISBN 0-631-19446-0, 0-631-21481-X (pbk.).

Mandean script, p. 320.

Manichaean

Skjærvø, P. Oktor. "Aramaic scripts for Iranian Languages." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright, 515-535. New York: Oxford University Press, 1996. ISBN 0-19-507993-0

Marchen

Lokesh Chandra. *Indian Scripts in Tibet*. Reproduced by Lokesh Chandra from the Collection of Prof. Raghuvira. New Delhi: Mrs. Sharada Rani, 1982.

Zhuton Nyima Dragpa. *sGra yi don sdeb snang gsal sgron me* [Tibetan Žang Žung Dictionary]. Delhi, 1965 (1616-1670).

Mathematical Symbols

Mathematical Markup Language (MathML) Version 2.0. (W3C Recommendation 21 February 2001). Editors: David Carlisle, Patrick Ion, Robert Miner, [and] Nico Poppolier.

Latest version: <http://www.w3.org/TR/MathML2/>

STIPub Consortium. STIX (Scientific and Technical Information Exchange) Project.

<http://www.ams.org/STIX/>

Swanson, Ellen. *Mathematics into Type*. Updated ed. by Arlene O'Sean and Antoinette Schleyer. Providence, RI: American Mathematical Society, 1999. ISBN 0-8218-1961-5.

Meetei Mayek

Chelliah, Shobhana L. *A Grammar of Meithei*. Berlin and New York: Mouton de Gruyter, 1997. ISBN 978-3-11-014321-8.

Debendra Singh, N. *Evolution of Manipuri Script*. [Imphal]: Manipur University, Centre for Manipuri Studies, 1990. (Research Report, 5).

Mende Kikakui

Dalby, David. "A Survey of the Indigenous Scripts of Liberia and Sierra Leone: Vai, Mende, Loma, Kpelle and Bassa." *African Language Studies* 8 (1967): 1-51.

Tuchscherer, Konrad. *The Kikakui (Mende) Syllabary and Number Writing System: Descriptive, Historical and Ethnographic Accounts of a West African Tradition of Writing*. London: 1996.

Ph.D. dissertation—The School of Oriental and African Studies, University of London.

Tuchscherer, Konrad. 2007. "Recording, Communicating and Making Visible: A History of Writing and Systems of Graphic Symbolism in Africa." *Inscribing Meaning: Writing and*

Graphic Systems in African Art, edited by Christine Mullen Kreamer et al., 37-53. [Washington D.C.]: Smithsonian, National Museum of African Art. ISBN: 978-88-7439-377-0.

Meroitic

Griffith, F. Ll. *Karanòg: The Meroitic inscriptions of Shablûl and Karanòg*. Philadelphia: University Museum, 1911.

Millet, N. B. "The Meroitic script." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Rilly, Claude. *La langue du royaume de Méroé: un panorama de la plus ancienne culture écrite d'Afrique subsaharienne*. Paris: Librairie Honoré Champion, 2007.

Miao

Enwall, Joakim. *A Myth Become Reality: History and development of the Miao written language*. 2 vols. Stockholm: Institute of Oriental Languages, Stockholm University, 1994–1995. (Stockholm East Asian monographs no. 5-6.)

Xiong Yuyou. *Miao zu wen hua shi = A Cultural History of the Miao Nationality*. Kunming Shi: Yunnan min zu chu ban she, 2003.

Modi

Dīksit, Moreśvar G. and V. G. Khobarekar. *Marāthekālīna prasiddha vyaktīm̐ci hastāksarayukta patra*. Mumbaī, Śāsakīya Madhyavartī Mudraṇālaya, 1969.

In Marathi language in Devanagari script.

Kunte, B. G. [ed.]. *Illustrative Modi Documents*. Maharashtra State Archives, Government of Maharashtra. Bombay: Government Central Press, 1987.

Strandberg, Elisabeth [ed.]. *The Modī Documents from Tanjore in Danish Collections*. Wiesbaden: Franz Steiner Verlag, 1983. (*Beiträge zur Südasiensforschung*, Südasiens-Institut, Universität Heidelberg, Band 81).

Mro

Angkea Ngiycea Wean Shang Beaik. [Get Language Class: Child's Class]. Dhaka, Bangladesh: Gonoshasthaya Kendra, 2004.

In Mro script.

Caa Yang Beaik: Prei Taing. [Get Language Class: Second Book]. Dhaka, Bangladesh: Gonoshasthaya Kendra, 2002.

In Mro script.

Multani

Leitner, Gottlieb William. "A Collection of Specimens of Commercial and Other Alphabets and Handwritings as also of Multiplication Tables Current in Various Parts of the Panjab, Sind and the North West Provinces." In *History of Indigenous Education in the Punjab*. Lahore: Anjuman-i-Punjab Press, 1882.

Shackle, Christopher. *From Wuch to Southern Lahnda: A Century of Siraiki Studies in English*. Multani: Bazm-e-Saqafat, 1983.

Musical Symbols

Catholic Church. *Graduale Sacrosanctae Romanae Ecclesiae de Tempore et de Sanctis SS. D. N. Pii X. Pontificis Maximi*. Parisiis: Desclée, 1961. (*Graduale Romanum*, no. 696).

Gazimihal, Mahmut R. *Anadolu türküleri ve mûsikî istikbâlimiz* [by] Mahmut Ragip. [Istanbul]: Mârifet Matbaası, 1928.

Heussenstamm, George. *Norton Manual of Music Notation*. New York: W.W. Norton, 1987. ISBN 0-393-95526-5 (pbk.).

Kennedy, Michael. *Oxford Dictionary of Music*. Oxford, New York: Oxford University Press, 1985. ISBN 0-19-311333-3.

2nd ed. published 1994. ISBN 0-19-869162-9.

New Encyclopedia Britannica. 15th ed. Entry for "Music."

The New Harvard Dictionary of Music, edited by Don Michael Randel. Cambridge, MA: Belknap Press of Harvard University Press, 1986. ISBN 0-674-61525-5.

Ottman, Robert W. *Elementary Harmony: Theory and Practice*. 2nd ed. Englewood Cliffs, NJ: Prentice-Hall, 1970. ISBN 0-13-257451-9.

Fifth ed. published 1998. ISBN 0-13-281610-5.

Rastall, Richard. *The Notation of Western Music: An Introduction*. London: Dent, 1983. ISBN 0-460-04205-X.

Also published: New York: St. Martin's Press, 1982. ISBN 0-312-57963-2.

Read, Gardner. *Music Notation: A Manual of Modern Practice*. Boston: Allyn and Bacon, 1964.

Stone, Kurt. *Music Notation in the Twentieth Century: A Practical Guidebook*. New York: W.W. Norton, 1980. ISBN 0-393-95053-0.

Understanding Music with AI: Perspectives on Music Cognition, edited by Mira Balaban, Kemal Ebcioğlu, and Otto Laske. Cambridge, MA: MIT Press; Menlo Park, CA: AAAI Press, 1992. ISBN 0-262-52170-9.

Myanmar

Hosken, Martin. Unicode Technical Note #11, “Representing Myanmar in Unicode: Details and Examples.” <http://www.unicode.org/notes/tn11/>

Microsoft Typography. “Creating and Supporting OpenType Fonts for Myanmar Script.” <http://www.microsoft.com/typography/OpenTypeDev/myanmar/intro.htm>

Mranmā–Aṅḡlip abhidhān = Myanmar–English Dictionary. Rankun: Dept. of Myanmar Language Commission, Ministry of Education, Union of Myanmar, 1993.

Compiled and edited by the Myanmar Language Commission.

Mranmā cālui:poṅ:satpui kyam: nhañ. khwaithā:. [Rankun]: 1996.

Translated title: Myanmar orthography treatise.

Roop, D. Haigh. *An Introduction to the Burmese Writing System*. [Honolulu]: Center for Southeast Asian Studies, University of Hawaii at Manoa, 1997. (*Southeast Asia Paper*, 11).

Originally published: New Haven: Yale University Press, 1972. (*Yale linguistic series*). ISBN 0-300-01528-3.

Nabataean

Christian, Arthur. *Débuts de l'imprimerie en France: L'Imprimerie Nationale: L'Hôtel de Rohan*. Paris: Imprimerie Nationale, 1905.

Fossey, Charles. *Notices sur les caractères étrangers anciens et modernes rédigées par un groupe de savants*. Nouvelle édition mise à jour à l'occasion du 21e Congrès des Orientalistes. Paris: Imprimerie Nationale de France, 1948.

Yardeni, Ada. *Textbook of Aramaic, Hebrew, and Nabataean Documentary Texts from the Judaeian Desert and Related Material*. Jerusalem: The Ben-Zion Dinur Center for Research in Jewish History, The Hebrew University, 2000. ISBN 965-350-083-X.

Newa

Lienhard, Siegfried. *Nepalese Manuscripts*. Part 1: *Nevari and Sanskrit*. Described by Siegfried Lienhard with the collaboration of Thakur Lal Manandhar. Stuttgart: Franz Steiner Verlag, 1988. (*Verzeichnis der orientalischen Handschriften in Deutschland*, 33.)

Rajavanshi Shankarman. “The Evolution of Devanagari Script.” *Kailash – A Journal of Himalayan Studies*, 2, nos. 1 and 2 (1974): 23-120.

http://himalaya.socanth.cam.ac.uk/collections/journals/kailash/pdf/kailash_02_0102_03.pdf

Shakyavansha, Hemraj. *Lipi-Prakasa Nepala*. Kathmandu: Nepāla Rājākīya Prajñā-Pratishthāna, 1974 (vs2031).

In Nepali language with English captions and transliterations.

N'Ko

Kanté, Souleymane. *Méthode pratique d'écriture n'ko*, 1961. Kankan, Guinea: Association de tradithérapeutes et pharmacologues, 1995.

N'Ko: The Common Language of Mandens. <http://www.nkoinstitute.com>

N'Ko: The Mandingo Language Site. <http://www.kanjamadi.com>

Ogham

McManus, Damian. *A Guide to Ogam*. Maynooth: An Sagart, 1991. (*Maynooth monographs*, 4). ISBN 1-87068-417-6.

Ol Chiki

Hembram, S. M., et al. *Adibasi Ol script = at'ip'asi al ciki*. Calcutta: Adibasi Socio-Educational & Cultural Association, 1972.

Murmu, Raghunath. *Ranar: A Santali Grammar in Santali*. Singhbhum, Bihar: Adibasi Socio-Educational & Cultural Association, 1972.

Zide, Norman. "Scripts for Munda languages." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright. New York; Oxford: Oxford University Press, 1996. ISBN 0-19-507993-0.

Old Hungarian

Róna-Tas, András and Robert Göbl. *Die Inschriften des Schatzes von Nagy-Szentmiklós: Eine paläographische Dokumentation*. Wien: Verlag der Österreichische Akademie der Wissenschaften, 1995. (*Denkschriften der philosophisch-historische Klasse*, 240.)

Róna-Tas, András. *Hungarians and Europe in the Early Middle Ages*. Budapest: CEU Press, 1999.

Old Italic

Bonfante, Larissa. "The Scripts of Italy." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Cristofani, Mauro. "L'alfabeto etrusco." *Lingue e dialetti dell'Italia antica*, a cura di Aldo Larosdocimi. Roma: Biblioteca di storia patria, a cura dell'Ente per la diffusione e l'educazione storia, 1978. (*Popoli e civiltà dell'Italia antica*, VI.)

Gordon, Arthur E. *Illustrated Introduction to Latin Epigraphy*. Berkeley: University of California Press, 1983. ISBN 0-520-03898-3.

Marinetti, Anna. *Le iscrizioni sudpicene*. I. *Testi*. Firenze: Olschki, 1985. ISBN 88-222-3331-X (v. 1).

Parlangèli, Oronzo. *Studi Messapici*. Milano: Istituto lombardo di scienze e lettere, 1960.

Old North Arabian

Macdonald, Michael C. A. "Ancient North Arabian." *The Cambridge Encyclopedia of the World's Ancient Languages*, edited by Roger D. Woodard, 488-533. Cambridge: Cambridge University Press, 2004. ISBN 0-521-56256-2.

Macdonald, Michael C. A. *Literacy and Identity in Pre-Islamic Arabia*. Farnham: Ashgate, 2009.

Macdonald, Michael C. A. Forthcoming. "Towards a re-assessment of the Ancient North Arabian alphabets used in the oasis of al-'Ulā."

Old Permic

Lytkin V. I. *Drevnepermiskij jazyk: chtenie tekstov, grammatika, slovar'*. Moskva, 1952.

In Russian.

Stipa, Günter Johannes. *Finnisch-ugrische Sprachforschung von der Renaissance bis zum Neupositivismus*. Helsinki: Suomalais-ugrilainen Seura, 1990. (Mémoires de la Société Finno-ougrienne, 206). ISBN 951-9403-35-3.

Old Persian

Schmitt, Rüdiger. *The Bisitun Inscriptions of Darius the Great, Old Persian Text*. London, School of Oriental and African Studies, 1991. (*Corpus Inscriptionum Iranicarum*, Part I: *Inscriptions of Ancient Iran*, v.1, Text 1). ISBN 0-7286-0181-8.

Schweiger, Günter. *Kritische Neuedition der achaemenidischen Keilinschriften*. Taimering: Schweiger VWT-Verlag, 1998. (*Studien zur Iranistik*). ISBN 3-934548-00-8.

Old South Arabian

Nebes, Norbert, and Peter Stein. "Ancient South Arabian." *The Cambridge Encyclopedia of the World's Ancient Languages*, edited by Roger D. Woodard. 454–487. Cambridge University Press, 2004. ISBN-13: 978-0521562560.

Ryckmans, J. "Origin and Evolution of South Arabian Minuscule Writing on Wood (1)." *Arabian Archaeology and Epigraphy* 12 (2001): 223–235. ISSN 0905-7196.

Smithsonian Institution. "Written in Stone: Inscriptions from the National Museum of Saudi Arabic."

http://www.mnh.si.edu/epigraphy/figs-stones/x-large/color_xl.jpeg/fig02.jpg

Stein, Peter. "The Ancient South Arabian Minuscule Inscriptions on Wood: A New Genre of Pre-Islamic Epigraphy." *Jaarbericht van het Vooraziatisch-Egyptisch Genootschap "Ex Oriente Lux"*, 39 (2005): 181–199. ISSN 0075-2118.

Old Turkic

Erdal, Marcel. *A Grammar of Old Turkic*. Leiden & Boston: Brill, 2004. ISBN 9004102949.

Scharlipp, Wolfgang Ekkehard. *Eski Türk run yazıtlarına giriş: ders kitabı = An Introduction to the Old Turkish Runic Inscriptions: A Textbook in English and Turkish*. Engelschoff: Auf dem Ruffel, 2000. ISBN 3-933847-00-X.

von Gabain, A. *Alttürkische Grammatik mit Bibliographie, Lesestücken und Wörterverzeichnis, auch Neutürkisch*. Leipzig: Harrassowitz, 1941. (Porta Linguarum Orientalium, 23).

Osage

Quintero, Carolyn. 2009. *Osage Dictionary*. Norman: University of Oklahoma Press, 2009.

Osage Nation Language Department. [WA.ŽA.ŽE I.E]: *Osage Language Beginner Lessons*.

Osmanya

Afkeenna iyo fartiisa: buug koowaad. Xamar: Goosanka afka iyo suugaanta Soomaalida, 1971.

Translated title: *Our language and its handwriting: book one*.

Cerulli, Enrico. “Tentativo indigeno di formare un alfabeto somalo.” *Oriente moderno*, 12 (1932): 212–213. ISSN 0030-5472.

Gaur, Albertine. *A History of Writing*. London: British Library, 1992. ISBN 0-7123-0270-0.

Also published: Rev. ed. New York: Cross River Press, 1992. ISBN 1-558-59358-6.

Gregersen, Edgar A. *Language in Africa: An Introductory Survey*. New York: Gordon and Breach, 1977. (*Library of Anthropology*). ISBN 0-677-04380-5; 0-677-04385-6 (pbk.).

Maino, Mario. “L’alfabeto ‘Osmania’ in Somalia.” *Rassegna di studi etiopici*, 10 (1951): 108–121. ISSN 0390-3699.

Nakanishi, Akira. *Writing Systems of the World: Alphabets, Syllabaries, Pictograms*. Rutland, VT: Tuttle, 1980. ISBN 0-8048-1293-4; 0-8048-1654-9 (pbk.).

Revised translation of *Sekai no moji*.

Pahawh Hmong

Chia Koua Vang. *Moj Kuab Hmoob: Lawj 2* [Hmong Language: Second Grade]. St. Paul: Hmong National Organization, 2002.

Lee Nao Long, Yang Lee Hue, Yang Nao Shoua, and Christina Eira. *Keeb Hmoob Phau Kuab Meej Sim* [The Hmong Bilingual Dictionary]. [s.l., Australia]: Yang Shong Lue’s Millennium Academy for the Hmong Language and Writing System, 2001.

Smalley, William A., Chia Koua Vang, and Gnia Yee Yang. *Mother of Writing: the Origin and Development of a Hmong Messianic Script*. Chicago and London: University of Chicago Press, 1990. ISBN 0-226-76287-4.

Palmyrene

Fossey, Charles. *Notices sur les caractères étrangers anciens et modernes rédigées par un groupe de savants*. Nouvelle édition mise à jour à l'occasion du 21e Congrès des Orientalistes. Paris: Imprimerie Nationale de France, 1948.

Lidzbarski, Mark. *Handbuch der nordsemitischen Epigraphik nebst ausgewählten Inschriften*. Hildesheim: Georg Olms Verlagsbuchhandlung, 1962.

Reprint of 1898 edition.

Naveh, Joseph. *Early History of the Alphabet: An Introduction to West Semitic Epigraphy and Palaeography*. Jerusalem: Magnes Press, the Hebrew University, 1987. ISBN 965-223-436-2.

Pau Cin Hau

British and Foreign Bible Society. 1931. [The Sermon on the Mount (Kamhow-Sokte)]. Rangoon, 1931.

In Pau Cin Hau script.

Banks, E. Pendleton. "Pau Cin Hau: A Case of Religious Innovation among the Northern Chin." *American Historical Anthropology: Essays in Honor of Leslie Spier*, edited by Carroll Riley, and Walter Taylor. Carbondale: Southern Illinois University Press, 1967.

Pau Chin Hau and Tham Chin Kham. [Spelling Book in Kamhow-Sokte]. Toungoo: P. R. G. Press, 1932.

In Pau Cin Hau script.

Phags-pa

Luo, Changpei. *Basibazi yu Yuandai Hanyu [ziliao huibian]* / Luo Changpei, Cai Meibiao bian zhu. Beijing: Kexue chubanshe, 1959.

Poppe, Nikolai Nikolaevich. *The Mongolian Monuments in hp'ags-pa Script*. Translated and edited by John R. Krueger. 2nd ed. Wiesbaden: Harrassowitz, 1957. (*Göttinger asiatische Forschungen*, 8).

Zhaonasitu. *Menggu ziyun jiaoben* / Zhaonasitu, Yang Naisi bian zhu. [Beijing]: Min zu chu ban she, 1987.

Author Zhaonasitu also known as Jagunasutu or Junast.

Philippine Scripts

Doctrina Christiana: The First Book Printed in the Philippines, Manila 1593. A facsimile of the copy in the Lessing J. Rosenwald Collection, with an introductory essay by Edwin Wolf II. Washington, DC: Library of Congress, 1947.

Kuipers, Joel C., and Ray McDermott. "Insular Southeast Asian Scripts." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Santos, Hector. *The Living Scripts*. Los Angeles: Sushi Dog Graphics, 1995. (*Ancient Philippine scripts series*, 2).

User's guide accompanying *Computer Fonts, Living Scripts* software.

Santos, Hector. *Our Living Scripts*. January 31, 1997.

<http://www.bibingka.com/dahon/living/living.htm>

Part of his *A Philippine Leaf*.

Santos, Hector. *The Tagalog Script*. Los Angeles: Sushi Dog Graphics, 1994. (*Ancient Philippine scripts series*, 1).

User's guide accompanying *Tagalog Script Fonts* software.

Santos, Hector. *The Tagalog Script*. October 26, 1996.

<http://www.bibingka.com/dahon/tagalog/tagalog.htm>

Part of his *A Philippine Leaf*.

Phoenician

Branden, Albertus van den. *Grammaire phénicienne*. Beyrouth: Librairie du Liban, 1969. (*Bibliothèque de l'Université Saint-Esprit*, 2).

McCarter, P. Kyle. *The Antiquity of the Greek Alphabet and the Early Phoenician Scripts*. Missoula, MT: Published by Scholars Press for Harvard Semitic Museum, 1975. (Harvard Semitic Monographs, 9). ISBN 0-89130-066-X.

Noldeke, Theodor. *Beiträge zur semitischen Sprachwissenschaft*. Strassburg: Karl J. Trübner, 1904.

Reprinted as: vol. 1 of *Beiträge und Neue Beiträge zur semitischen Sprachwissenschaft: achtzehn Aufsätze und Studien*. Amsterdam: APA-Philo Press, [1982].

Also published on microfiche by the American Theological Library Association.

Powell, Barry B. *Homer and the Origin of the Greek Alphabet*. Cambridge, New York: Cambridge University Press, 1991. ISBN 0-521-37157-0.

Reprinted, 1996. ISBN 0-521-58907-X (pbk).

Psalter Pahlavi

Nyberg, Henrik Samuel. *A Manual of Pahlavi*. 2 vols. Wiesbaden: Harrassowitz, 1964–1974. ISBN 9783447015806 (vol. 2).

Reprinted: Tehran: Asatir, 2003. ISBN 964-331-132-5, 964-331-131-7.

Oryan, Said. *Zabur-e Pahlavi: matn-e Pahlavi, harf-nevisi, āvā-nevisi, tarojme-ye Fārsi va yaddašt-hā = Pahlavi Translation of the Psalms: Text, Transliteration, Transcription, Persian Translation, and Notes*. Tehran: Iranian Cultural Heritage Organization, 2003 (1382 AP). ISBN 964-7483-75-9.

Skjærvø, P. Oktor. “Aramaic Scripts for Iranian Languages.” *The World’s Writing Systems*, edited by Peter T. Daniels and William Bright, 515-535. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Rejang

Jaspan, M. A. *Folk Literature of South Sumatra: Redjang Ka-Ga-Nga Texts*. Canberra: Australian National University, 1964.

Runic

Friesen, Otto von. *Runorna*. Stockholm: A. Bonnier, [1933]. (*Nordisk kultur*, 6).

Haugen, Einar Ingvald. *The Scandinavian Languages: An Introduction to Their History*. London: Faber, 1976. ISBN 0-571-10423-1.

Also published: Cambridge, MA: Harvard University Press, 1976. ISBN 0-674-79002-2.

Musset, Lucien. *Introduction à la runologie*. Paris: Aubier-Montaigne, 1965.

Page, Raymond Ian. *Runes*. Berkeley: University of California Press; [London]: British Museum, 1987. (*Reading the Past*). ISBN 0-520-06114-4.

British Museum Publications edition has ISBN 0-7141-8065-3.

Samaritan

Ben-Hayyam, Ze’ev. *A Grammar of Samaritan Hebrew, Based on the Recitation of the Law in Comparison with the Tiberian and other Jewish Traditions*. Jerusalem: Hebrew University Magnes Press, 2000. ISBN 1-57506-047-7.

Macuch, Rudolf. *Grammatik des samaritanischen Hebräisch*. Berlin: Walter de Gruyter, 1969. ISBN 9783110083767.

Murtonen, A. *Materials for a Non-Masoretic Hebrew Grammar III: A Grammar of the Samaritan Dialect of Hebrew*. Helsinki: Societas Orientalis Fennica, 1964. (*Studia Orientalia*, 29).

Saurashtra

Učida, Norihiko. *Language of the Saurashtrians in Tirupati*. 2nd revised ed. Bangalore: Mahalaxmi Enterprises, 1991. (In Latin script.)

Učida, Norihiko. *Saurashtra-English Dictionary*. Wiesbaden: Harrassowitz, 1990. ISBN 3447030550. (In Latin script.)

Sharada

Deambi, Kaul and Bushan Kumar. *Śāradā and Ṭākārī Alphabets: Origin and Development*. New Delhi: Indira Gandhi National Centre for the Arts, 2008.

Grierson, George A. "On the Sharada Alphabet." *The Journal of the Asiatic Society of Great Britain and Ireland*, (1916): 677–708.

Shavian

ConScript Unicode Registry [by] John Cowan and Michael Everson. "E700–E72F Shavian." Included in the ConScript Registry (<http://www.evertype.com/standards/csurl/index.html>) in 1997. Shavian was withdrawn from the ConScript Registry in 2001, because of its addition to the Unicode Standard and ISO/IEC 10646.

Crystal, David. *The Cambridge Encyclopedia of Language*. Cambridge, New York: Cambridge University Press, 1987. ISBN 0-521-26438-3.

2nd ed. Cambridge, New York: Cambridge University Press, 1997. ISBN 0-521-55050-5; 0-521-55967-7.

DeMeyere, Ross. *About Shavian*. 1997. <http://www.demeyere.com/Shavian/info.html>.

Shaw, George Bernard. *Androcles and the Lion: An Old Fable Renovated, by Bernard Shaw, with a Parallel Text in Shaw's Alphabet to Be Read in Conjunction Showing Its Economies in Writing and Reading*. Harmondsworth: Penguin Books, 1962.

Siddham

Bühler, Georg. "Palaeographical Remarks on the Horiuzi Palm-Leaf MSS." *The Ancient Palm-Leaves*, edited by Friedrich Max Müller and Bunyiu Nanjio, 61–95. Oxford: Clarendon Press, 1884. (*Anecdota Oxoniensia*, Aryan Series, Vol. 1, Pt. 3).

Chaudhuri, Saroj Kumar. *Siddham in China and Japan*. Philadelphia: Department of Asian and Middle Eastern Studies, University of Pennsylvania, 1998. (*Sino-Platonic Papers*, 88).

淨嚴 (Jōgon). *Shittan Sanmitsushō*. In *Taishō Shinshū Daizōkyō* (大正新脩大藏經), vol. 84, no. 2710, 715–810. [Japan : s.n.]: Nishiura Shirobē, Tenna 2, 1682.

Accessed electronically at the SAT Daizōkyō Text Database: http://21dzk.l.u-tokyo.ac.jp/SAT/ddb-sat3.php?s=&mode=detail&useid=2710_s_84

van Gulik, Robert Hans. *Siddham: An Essay on the History of Sanskrit Studies in China and Japan*. Reprint. New Delhi: Sharada Rani, 1980. (Śata-Piṭaka series, Indo-Asian literatures, 247).

Originally published: Nagpur: International Academy of Indian Culture, 1956. (Sarasvati Vihara Series, 36).

Sinhala

Gunasekara, Abraham Mendis. *A Comprehensive Grammar of the Sinhalese Language*. New Delhi: Asian Education Services, 1986.

Reprint of 1891 edition.

Sora Sompeng

Mahapatra, Khageshwar. “Soraṅ Sompeng’: A Sora Script.” Unpublished conference paper. Delhi, Mysore, 1978–1979.

Zide, Norman. “Scripts for Munda languages.” *The World’s Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Zide, Norman. “Three Munda scripts.” *Linguistics of the Tibeto-Burman Area*. Vol. 22.2—Fall 1999

Sumero-Akkadian Cuneiform

Bauer, Josef, Robert K. Englund, and Manfred Krebernick. *Mesopotamien: Späturuk-Zeit und frühdynastische Zeit*. (= *Orbis Biblicus et Orientalis 160.1*.) Freiburg: Universitätsverlag Freiburg Schweiz; Göttingen, Vandenhoeck & Ruprecht, 1998.

Biggs, Robert D. *Inscriptions from Tell Abu Salabikh*. Oriental Institute Publications, vol. 99. Chicago: University of Chicago Press, 1974. ISBN 0-226-62202-9.

Borger, Rykle. *Mesopotamisches Zeichenlexikon*. 2nd revised ed. Alter Orient und Altes Testament, vol. 305. Münster: Ugarit-Verlag, 2010. ISBN 3-86835-043-8

Deimel, Anton. *Liste der archaischen Keilschriftzeichen [LAK]*. *Inschriften von Fara*, vol. 1. Wissenschaftliche Veröffentlichung der Deutschen Orientgesellschaft, vol. 40. Leipzig: J.C. Hinrichs’sche Buchhandlung, 1922.

Online version: <http://www.cdli.ucla.edu/tools/SignLists/LAK/index.html>

Labat, René. *Manuel d’écriture akkadienne*. Extended by Florence Malbran-Labat. 5th ed. Paris: P. Geuthner, 1976.

Mittermayer, Catherine. *Altbabylonische Zeichenliste der sumerisch-literarischen Texte*. Unter Mitarbeit von Pascal Attinger. Fribourg: Academic Press; Göttingen: Vandenhoeck & Ruprecht, 2006.

Schneider, Nikolaus. *Die Keilschriftzeichen der Wirtschaftsurkunden von Ur III nebst ihren charakteristischsten Schreibvarianten, systematisch zusammengestellt*. Rom: Päpstliches Bibelinstitut, 1935.

Sundanese

Baidillah, Idin, Cucu Komara, and Deus Fitni. *Ngalagena: Panglengkep Pangajaran Aksara Sunda pikeun Murid Sakola Dasar/Dikdas 9 Taun*. [Bandung]: CV Walatra, [2002].

Hardjasaputra, A. Sobana, Tedi Permadi, Undang A. Darsa, and Edi S. Ekadjati. *Rancangan Pembakuan Aksara Sunda*. Bandung, 1998.

Sutton Sign Writing

The following Sutton SignWriting items are available from <http://www.signwriting.org>.

Sutton, Valerie. *SignWriting: Sign Languages are Written Languages*. Part 1: *SignWriting Basics* by Valerie Sutton. La Jolla, CA: SignWriting Press, 2009. ISBN 978-0-914336-49-5.

Sutton, Valerie, and Adam Frost. *SignWriting: Sign Languages are Written Languages*. Part 2: *SignWriting Hand Symbols* by Valerie Sutton and Adam Frost. La Jolla, CA: SignWriting Press, 2010 and 2011. ISBN: 978-0-914336-86-0.

Sutton, Valerie. *The SignWriting Alphabet. The International SignWriting Alphabet 2010 (ISWA 2010)*. La Jolla, CA: SignWriting Press, 2008-2011. ISBN: 978-0-914336-84-6.

Syriac

Kefarnissy, Paul. *Grammaire de la langue araméenne syriaque*. Beyrouth, 1962.

Nöldeke, Theodor. *Compendious Syriac Grammar*. With a table of characters by Julius Euting. Translated from the 2nd and improved German ed., by James A. Crichton. London: Williams & Norgate, 1904.

Reprinted: Tel Aviv: Zion Pub. Co., [1970].

Robinson, Theodore Henry. *Paradigms and Exercises in Syriac Grammar*. 4th ed. Rev. by L. H. Brockington. Oxford: Clarendon Press; New York: Oxford University Press, 1962. ISBN 0-19-815416-X, 0-19-815458-5 (pbk.).

Tai Le

Coulmas, Florian. *The Blackwell Encyclopedia of Writing Systems*. Oxford, Cambridge: Blackwell, 1996. ISBN 0-631-19446-0.

Dehong writing, pp. 118–119.

Lá ai² mau³ lá ai² ka va³ mi² tse² lau ya pa me na⁴ ka na: tá va ʔá na kó ma⁶ sá na² teh ma⁶. Yina⁵lána⁵ mina⁵su⁴ su⁴pána²se³ (Yunnan minzu chubanshe). 1988. ISBN 7-5367-1100-4.

Tsa va⁴ má³ hó va³: la ta⁶ mé² sá ai³ seh va² xo ŋa³. Yina⁵lána⁵ mina⁵su⁴ su⁴pána²se³ (Yunnan minzu chubanshe). 1997. ISBN 7-5367-1455-6.

Tai Tham

Peltier, Anatole-Roger. 1996. *Lanna Reader*. Chiang Mai: Wat Tha Kradas.

Kasēm Siriratphiriya, and Mahāwitthayālai Sukhōthaitammāthirāt. *Tūa Mueang: kānrīan phāsā Lānnā phān khērōngsāng kham*. Nonthaburī: Rōngphim Mahāwitthayālai Sukhōthaitammāthirāt, 2548 [2005]. ISBN 974-9942-00-0.

Rungrueangsri, Udom. 2004. *Pacanānukrom Lānnā-Thai: Chabaph maefāhluang*. ISBN 974-685-175-9.

Baephryar phāsā Lānnā. ISBN 974-386-044-4.

Takri

Deambi, Kaul and Bushan Kumar. *Śāradā and Tākārī Alphabets: Origin and Development*. New Delhi: Indira Gandhi National Centre for the Arts, 2008.

Tangut

Han Xiaomang. (Xìxiàwén Zhèngzì Yánjiū) [Research into the Correct Forms of Tangut Characters]. 2004.

Li Fanwen. (Xià-Hàn Zìdiàn) [Tangut-Chinese Dictionary]. Beijing, 2008.

Thaana

Geiger, Wilhelm. *Maldivian Linguistic Studies*. New Delhi: Asian Educational Services, 1996. ISBN 81-206-1201-9.

Originally published: Colombo: H. C. Cottle, Govt. Printer, 1919.

Maniku, Hassan Ahmed. *Say It in Maldivian (Dhivehi)*, [by] H. A. Maniku [and] J. B. Disanayaka. Colombo: Lake House Investments, 1990.

Tirhuta

Grierson, George A. *An Introduction to the Maithilī language of North Bihār, Containing a Grammar, Chrestomathy and Vocabulary*. Calcutta: J.N. Banerjee and Son, 1882.

Jhā, Subhadra. *The Formation of the Maithilī Language*. London: Luzac, 1958.

Mishra, Jayakanta. 1973. *Bṛhat Maithilī Śabdakośa* [The Great Maithili Dictionary]. Fascicule 1. 1st ed. Simla: Indian Institute of Advanced Study, 1973.

In Maithili script.

Raya, Jivanatha. 2003. *Maithili Prathama Pustaka* [Maithili Primer]. Reprint of edition published by Pustaka Bhaṅd.

In Maithili script.

Ugaritic

O'Connor, M. "Epigraphic Semitic Scripts." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Walker, C. B. F. *Cuneiform*. London: British Museum Press, 1987. (*Reading the Past*, v. 3.) ISBN 0-7141-8059-9.

University of California Press edition has ISBN 0-520-06115-2 (pbk.).

Vai

Dalby, David. "A Survey of the Indigenous Scripts of Liberia and Sierra Leone: Vai, Mende, Loma, Kpelle and Bassa." *African Language Studies* 8 (1967), 1–51.

Kandakai, Zuke, et al. *Vai kpolo saikilamaa me = The Standard Vai Script*. Monrovia: University of Liberia African Studies Program, 1962.

Massaquoi, Momolu. "The Vai People and Their Syllabic Writing." *Journal of the Royal African Society* 10.40, July (1911): 459–466.

Singler, John. "Scripts of West Africa." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Stewart, Gail, and P. E. H. Hair. "A Bibliography of the Vai Language and Script." *Journal of West African Languages*, 6.2 (1969): 124.

Warang Citi

Pinnow, Heinz-Jürgen. "Schrift und Sprache in den Werken Lako Bodras im Gebiet der Ho von Singbhum (Bihar)." *Anthropos* 67 (1972): 822–857.

Zide, Norman. "Scripts for Munda languages." *The World's Writing Systems*, edited by Peter T. Daniels and William Bright, 612–618. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

Yi

Nuo-su bbur-ma shep jie zzit. = *Yi wen jian zi ben*. Chengdu: Sichuan minzu chubanshe, 1984.

Nip huo bbur-ma ssix jie. = *Yi Han zidian*. Chengdu: Sichuan minzu chubanshe, 1990. ISBN 7-5409-0128-4.

R.4 Selected Resources: Technical

American Mathematical Society. *TeX Resources*. <http://www.ams.org/tex/tex-resources.html>

For AMS TeX-related products, see *AMS TeX Resources*. <http://www.ams.org/tex/>

André, Jacques. *Unicode, écriture du monde? / Jacques André, Henri Hudrisier*. Paris: Lavoisier, 2002. (*Document numérique*, v. 6, no. 3–4.) ISBN 2-7426-0594-7.

Bringhurst, Robert. *The Elements of Typographic Style*. 3rd ed. Point Roberts, WA: Hartley & Marks, 2004. ISBN 0-88179-205-5; 0-88179-206-3 (pbk.).

Chaundy, Theodore William. *The Printing of Mathematics: Aids for Authors and Editors and Rules for Compositors and Readers at the University Press, Oxford*. By T. W. Chaundy, P. R. Barrett, and Charles Batey. London: Oxford University Press, [1965].

Reprint of the second impression (revised) 1957.

Deitsch, Andrew. *Java Internationalization* [by] Andrew Deitsch and David Czarnecki. Beijing, Sebastopol, CA: O'Reilly, 2001. ISBN 0-596-00019-7.

Desgraupes, Bernard. *Passeport pour Unicode*. Paris: Vuibert, informatique, 2005. ISBN 2-7117-4827-8.

Developing International Software [by] Dr. International. 2nd ed. Redmond, WA: Microsoft, 2002. ISBN 0-7356-1583-7.

Also published: London: Chrysalis, 2002.

Esselink, Bert. *A Practical Guide to Localization*. Amsterdam, Philadelphia: John Benjamins, 2000. ISBN 1-588-11006-0 (pbk.), 1-588-11005-2 (hardcover).

Rev. ed. of *A Practical Guide to Software Localization*.

Flanagan, David. *Java in a Nutshell*. 5th ed. Sebastopol, CA: O'Reilly, 2005. ISBN 0896007736.

Garneau, Denis. *Keys to Sort and Search for Culturally-Expected Results*. [s.l.] IBM, 1990. (IBM document number GG24-3516, June 1, 1990).

Gillam, Richard. *Unicode Demystified: A Practical Programmer's Guide to the Encoding Standard*. Boston: Addison-Wesley, 2002. ISBN 0-201-70052-2.

Graham, Tony. *Unicode: A Primer*. Foster City, CA: MIS Press, M&T Books, 2000. ISBN 0-7645-4625-2.

The Guide to Translation and Localization: Preparing Products for the Global Marketplace. [5th ed.] Portland, OR: Lingo Systems; [Sandpoint, ID]: Multilingual Computing, 2004. ISBN 0970394829 (pbk.).

IBM. *e-Business Globalization Solution Design Guide: Getting Started*. 2002, updated 2004. (IBM Redbook). (SG24-6851-00). ISBN 0738426563.

Available in PDF, HTML, or hardcopy from:

<http://www.redbooks.ibm.com/abstracts/sg246851.html?Open>

ICU User Guide. <http://icu.sourceforge.net/userguide/>

User guide for International Components for Unicode (ICU), a set of C/C++ and Java libraries for Unicode support.

International User Interfaces, edited by Elisa M. del Galdo and Jakob Nielsen. New York: Wiley, 1996. ISBN 0-471-14965-9.

Knuth, Donald E. *T_EX, the Program*. Reading, MA: Addison-Wesley, 1986. (*Computers & Typesetting*, B). ISBN 0-201-13437-3.

Knuth, Donald E. *The T_EXbook*. 21st printing, rev. Reading, MA: Addison-Wesley, 1994. (*Computers & Typesetting*, A). ISBN 0-201-13448-9.

Korpela, Jukka K. *Unicode Explained*. Beijing, Sebastopol, CA: O'Reilly, 2006. ISBN 0-596-10121-X.

Krantz, Steven G. *Handbook of Typography for the Mathematical Sciences*. Boca Raton: Chapman & Hall/CRC, 2001. ISBN 1584881496.

Lamport, Leslie. *L^AT_EX, a Document Preparation System: User's Guide & Reference Manual*. 2nd ed. Reading, MA: Addison-Wesley, 1999, ©1994. ISBN 0-201-52983-1.

Updated for L^AT_EX 2nd ed.

Language Culture Type: International Type Design in the Age of Unicode, edited by John D. Berry; with a special section showing the winners in Bukva:Raz!, the type design competition of the Association typographique internationale. New York: ATypI, Graphis, 2002. ISBN 1-932026-01-0.

Lunde, Ken. *CJKV Information Processing*. 2nd ed. Beijing, Cambridge, MA: O'Reilly, 2009. ISBN 9780596514471 (pbk.).

Mathematics in Type. Richmond, VA: The William Byrd Press, [1954].

PAN Localization Project. *Survey of Language Computing in Asia 2005*, by Sarmad Hussain, Nadir Durrani, and Sana Gul. Lahore: Center for Research in Urdu Language Processing; Ottawa: International Development Research Center, 2005. ISBN 969-8961-00-3.

Available as a book and also in PDF from:

<http://www.idrc.ca/uploads/user-S/11446781751Survey.pdf>

Savourel, Yves. *XML Internationalization and Localization*. Indianapolis, IN: Sams, 2001. ISBN 0-672-32096-7.

Also published: Hemel Hempstead: Prentice-Hall, 2001.

Swanson, Ellen. *Mathematics into Type*. Updated ed. [by] Arlene O'Sean and Antoinette Schleyer. Providence, RI: American Mathematical Society, 1999. ISBN 0821819615.

Takahashi, Tokutaro. "A Proposal For a Standardized Common Use Character Set in East Asian Countries." *Journal of East Asian Libraries*, 63.1 (1980): 48-52. ISSN 1087-5093.

Unicode Guide, [by] Joe Becker, Rich Gillam, Mark Davis, and the Unicode Consortium Editorial Committee. Boca Raton, FL: BarCharts, 2006. (QuickStudy: Computer). ISBN 978-14230-180-9.

Unicode in XML and other Markup Languages. <https://www.w3.org/TR/unicode-xml/>

W3C Working Group Note, edited by Richard Ishida. Formerly *Unicode Technical Report #20*, authored by Martin Dürst and Asmus Freytag.

<http://www.w3.org/TR/unicode-xml/>

Wick, Karel. *Rules for Type-setting Mathematics*. Prague: Publishing House of the Czechoslovak Academy of Sciences, 1965.

W3C Internationalization (I18n) Activity. <http://www.w3.org/International/>

W3C Web Internationalization Tutorials. <http://www.w3.org/International/tutorials/>

Tutorials include *Character sets & encodings in XHTML, HTML and CSS*, and *Using language information in XHTML, HTML and CSS*, both by Richard Ishida.

Yunikodo kanji joho jiten = Sanseido's Unicode Kanji Information Dictionary / Yunikodo Kanji Joho Jiten Henshu Iinkai hen. Tokyo: Sanseido, 2000. ISBN 4-385-13690-4.

R.5 Selected Resources: Other

Bibliographies

A Bibliography on Writing and Written Language, edited by Konrad Ehlich, Florian Coulmas, and Gabriele Graefen. Berlin, New York: Mouton de Gruyter, 1996. (*Trends in Linguistics. Studies and Monographs*, 89). ISBN 3-11-010158-0.

Contains references to about 27,500 publications covering mainly 1930–1992.

Michael Everson's Cool Bibliography of Typography and Scripts.

<http://www.evertype.com/scriptbib.html>

Translations

Unicode Consortium. *The Unicode Standard, Version 5.0*. Chinese Simplified language edition. Beijing: Pearson Education Asia Ltd. and Tsinghua University Press, 2010.

In Chinese, authorized partial translation of English language edition of *The Unicode Standard, Version 5.0*. Boston, MA: Addison-Wesley, 2007. ISBN 0-321-48091-0.

Selected Works on Scripts, Languages, and Writing

Allworth, Edward. *Nationalities of the Soviet East: Publications and Writing Systems*. New York: Columbia University Press, 1971. ISBN 0-231-03274-9.

The Alphabet Makers: A Presentation from the Museum of the Alphabet, Waxhaw, North Carolina. 2nd ed. Huntington Beach, CA: Summer Institute of Linguistics, 1991. ISBN 0-938978-13-6.

Alphabete und Schriftzeichen des Morgen- und Abendlandes. 2. überarb. u. erw. Aufl. Berlin: Bundesdruckerei, 1969.

Bergsträsser, Gotthelf. *Introduction to the Semitic Languages: Text Specimens and Grammatical Sketches*. Translated with an appendix on the scripts by Peter T. Daniels. [2nd ed.] Winona Lake: Eisenbrauns, 1995. ISBN 0-931464-10-2.

Translation of *Einführung in die semitischen Sprachen*, 1928.

The Book of a Thousand Tongues, by Eugene A. Nida. Rev. ed. London: United Bible Society, 1972.

First ed. by Eric M. North, 1938.

The Cambridge Encyclopedia of the World's Ancient Languages, edited by Roger D. Woodard. Cambridge, New York: Cambridge University Press, 2004. ISBN 0521562562.

Campbell, George L. *Compendium of the World's Languages*. London: Routledge, 1990. ISBN 0-415-06937-6 (set); 0-415-06978-5 (v.1); 0-415-06979-3 (v.2).

Cleator, Philip Ellaby. *Lost Languages*, by P. E. Cleator. London: Day, 1959.

Also published: London: R. Hale, [1959]; New York: John Day Co., [1961]; [New York]: New American Library, [1962].

Comrie, Bernard, ed. *The Languages of the Soviet Union*. Cambridge: Cambridge University Press, 1981. ISBN 0-521-23230-9; 0-521-9877-6 (pbk.).

Comrie, Bernard, ed. *The World's Major Languages*. Oxford: Oxford University Press, 1987. ISBN 0-19-520521-9; 0-19-506511-5 (pbk.).

Coulmas, Florian. *The Blackwell Encyclopedia of Writing Systems*. Cambridge, MA: Blackwell, 1996. ISBN 0-631-19446-0.

Coulmas, Florian. *The Writing Systems of the World*. Oxford, New York: Blackwell, 1989.

Crystal, David. *The Cambridge Encyclopedia of Language*. 2nd ed. Cambridge, New York: Cambridge University Press, 1997. ISBN 0-521-55050-5; 0-521-55967-7 (pbk.).

Dalby, Andrew. *Dictionary of Languages: The Definitive Reference to More Than 400 Languages*. New York: Columbia University Press, 1998. ISBN 0231115687; 0231115695 (pbk.).

Daniels, Peter T. *The World's Writing Systems*. (See *World's Writing Systems*.)

DeFrancis, John. *Visible Speech: The Diverse Oneness of Writing Systems*. Honolulu: University of Hawaii Press, 1989. ISBN 0-8248-1207-7.

Diringer, David. *The Alphabet: A Key to the History of Mankind*. 3rd ed., completely rev. with the assistance of Reinhold Regensburger. New York: Funk and Wagnalls, 1968.

Also published: London: Hutchinson. ISBN 0-906764-0-8.

Diringer, David. *Writing*. London: Thames and Hudson, 1962.

Also published: New York: Praeger.

Dixon, Robert M. W. *The Languages of Australia*. Cambridge: Cambridge University Press, 1980. ISBN 0-521-22329-6.

Drucker, Johanna. *The Alphabetic Labyrinth: The Letters in History and Imagination*. London: Thames & Hudson, 1999. ISBN 0-500-28068-1.

Endo, Shotoku. *Hayawakari chugoku kantai-ji*. Tokyo: Kokusho Kankokai, Showa 61, [1986].

Faulmann, Carl. *Das Buch der Schrift: enthaltend die Schriftzeichen und Alphabete aller Zeiten und aller Völker*. 2. verm. und verb. Aufl. Wien: Kaiserlich-Königliche Hof- und Staatsdruckerei, 1880.

Reprinted as: *Schriftzeichen und Alphabete aller Zeiten und Völker*. Augsburg: Augustus Verlag, 1990. ISBN 3-8043-0142-8.

Reprinted as: *Das Buch der Schrift: enthaltend die Schriftzeichen und Alphabete aller Zeiten und aller Völker des Erdkreises*. Frankfurt am Main: Eichborn, 1990. ISBN 3-8218-1720-8.

Friedrich, Johannes. *Extinct Languages*. New York: Philosophical Library, 1957.

Translation of *Entzifferung Verschollener Schriften und Sprachen*. Berlin: Springer-Verlag, 1954.

Also published: London: Peter Owen, [1962]; Westport, CT: Greenwood Press, [1971, ©1957]. ISBN 0-8371-5748-X; New York: Dorset Press, 1989, ©1957. ISBN 0-88029-338-1.

Friedrich, Johannes. *Geschichte der Schrift*. Heidelberg: C. Winter, 1966.

Gaur, Albertine. *A History of Writing*. Rev. ed. New York: Cross River Press, 1992. ISBN 1-558-59358-6.

Also published: London: British Library. ISBN 0-7123-0270-0.

Gelb, Ignace J. *A Study of Writing*. Rev. ed. Chicago: University of Chicago Press, 1963. ISBN 0-226-28605-3; 0-226-28606-1 (pbk.).

Giliarevskii, Rudzhero Sergeevich. *Languages Identification Guide*, by Rudzhero S. Gilyarevsky and Vladimir S. Grivnin. Moscow: Nauka, 1970.

Gordon, Cyrus Herzl. *Forgotten Scripts: How They Were Deciphered and Their Impact on Contemporary Culture* [by] Cyrus H. Gordon. New York: Basic Books, [1968].

The Gospel in Many Tongues: Specimens of 875 Languages ... London: British and Foreign Bible Society, 1965.

Gregersen, Edgar A. *Language in Africa: An Introductory Survey*. New York: Gordon and Breach Science Publishers, 1977.

Haarmann, Harald. *Universalgeschichte der Schrift*. Frankfurt: Campus Verlag, 1990. ISBN 3-593-34346-0.

Habein, Yaeko Sato. *The History of the Japanese Written Language*. Tokyo: University of Tokyo Press, 1984. ISBN 0-86008-347-0; 4-13-087047-5.

Healey, John F. *The Early Alphabet*. Berkeley: University of California Press; [London]: British Museum, 1990. (*Reading the Past*, 9). ISBN 0-520-07309-6.

British Museum Publications edition has ISBN 0-7141-8073-4.

A History of Writing: From Hieroglyph to Multimedia, edited by Anne-Marie Christin. Paris: Flammarion; London: Thames & Hudson, 2002. ISBN 2-08-010887-5.

Ifrah, Georges. *The Universal History of Numbers*. Volume 1: *The World's First Number-Systems*. Volume 2: *The Modern Number-system*. Translated from the French by David Bellos, E. F. Harding, Sophie Wood, and Ian Monk. London: Harvill Press, 2000. ISBN 1-86046-790-3, ISBN 1-86046-791-1.

Isaev, Magomet Izmailovich. *Sto tridsat' ravnopravnykh: o iazykakh narodov SSSR*. Moskva: Nauka, 1970.

Jensen, Hans. *Sign, Symbol and Script: An Account of Man's Efforts to Write*. New York: Putnam, 1969.

Translation of *Die Schrift in Vergangenheit und Gegenwart* (Berlin: Deutscher Verlag, 1969). Also published: London: Allen & Unwin. ISBN 0-04-400021-9.

Katzner, Kenneth. *The Languages of the World*. New ed. London: Routledge, 1995. ISBN 0-415-11809-3.

Lyovin, Anatole. *Introduction to the Languages of the World*. New York: Oxford University Press, 1997. ISBN 0-19-508115-3; ISBN 0-19-508116-1 (pbk.).

Mafundikwa, Saki. *Afrikan Alphabets: The Story of Writing in Afrika*. West New York, NJ: Mark Batty, 2007.

Malherbe, Michel. *Les Langages de l'humanité: une encyclopédie des 3000 langues parlées dans le monde*. Paris: Laffont, 1995. ISBN 2-221-05947-6.

Muller, Siegfried H. *The World's Living Languages: Basic Facts of Their Structure, Kinship, Location, and Number of Speakers*. New York: Ungar, 1964.

Musaev, Kenesbai Musaevich. *Alfavity iazykov narodov SSSR*. Moskva: Nauka, 1965.

Naik, Bapurao S. *Typography of Devanagari*. 1st ed., rev. Bombay: Directorate of Languages, Govt. of Maharashtra, 1971.

Nakanishi, Akira. *Writing Systems of the World: Alphabets, Syllabaries, Pictograms*. Rutland, VT: Tuttle, 1980. ISBN 0-8048-1293-4; 0-8048-1654-9 (pbk.).

Revised translation of *Sekai no moji*.

Nida, Eugene A. *The Book of a Thousand Tongues*. (See *Book of a Thousand Tongues*.)

Pavlenko, Nikolai Andreevich. *Istoria pis'ma*. 2. izd. Minsk: Vysshaia Shkola, 1987.

Ramsey, S. Robert. *The Languages of China*. 2nd printing with revisions. Princeton: Princeton University Press, 1989. ISBN 0-691-01468-X.

2nd ed. published London: Gollancz, 1974. ISBN 0-575-01758-9.

Robinson, Andrew. *The Story of Writing*. London: Thames and Hudson, 1995. ISBN 0-500-01665-8.

Ruhlen, Merritt. *A Guide to the World's Languages, volume 1: Classification, with a Postscript on Recent Developments*. Stanford, CA: Stanford University Press, 1991. ISBN 0-8047-1894-6 (v. 1).

Also published: London: Arnold. ISBN 0-340-56186-6 (v.1).

Sampson, Geoffrey. *Writing Systems: A Linguistic Introduction*. Stanford, CA: Stanford University Press, 1985. ISBN 0-8047-1254-9.

Also published: London: Hutchinson. ISBN 0-09-156980-X; 0-09-173051-1 (pbk.).

Sekai moji jiten / Kono, Rokuro; Chino, Eiichi; Nishida, Tatsuo. Tokyo: Sanseido, 2001. (*Gengogaku daijiten* = *The Sanseido Encyclopaedia of Linguistics*, 7). ISBN 4-385-15177-6.

Senner, Wayne M. *The Origins of Writing*. Lincoln: University of Nebraska Press, 1989. ISBN 0-8032-4202-6; 0-8032-9167-1 (pbk.).

Shepherd, Walter. *Shepherd's Glossary of Graphic Signs and Symbols*. Compiled and classified for ready reference by Walter Shepherd. New York: Dover, 1971. ISBN 0-486-20700-5.

Also published: London: Dent. ISBN 0-460-03818-4.

Shinmura, Izuru. *Kojien* / Shinmura Izuru hen. Dai 4-han. Tokyo: Iwanami Shoten, 1991.

Passage cited in *Section 18.1*, *Han* is from the 1983 edition, translated from the Japanese by Lee Collins.

Stevens, John. *Sacred Calligraphy of the East*. 3rd ed., rev. and expanded. Boston: Shambala, 1995. ISBN 1-570-62122-5.

Suarez, Jorge A. *The Mesoamerican Indian Languages*. Cambridge: Cambridge University Press, 1983. ISBN 0-521-22834-4; 0-521-29669-2 (pbk.).

von Ostermann, Georg F. *Manual of Foreign Languages*. 4th ed., revised and enlarged. New York: Central Book Company, 1952.

Wemyss, Stanley. *The Languages of the World, Ancient and Modern: The Alphabets, Ideographs, and Other Written Characters of the World in Sound and Symbol*. Philadelphia: 1950.

The World's Writing Systems. Edited by Peter T. Daniels and William Bright. New York: Oxford University Press, 1996. ISBN 0-19-507993-0.

