

Universal Multiple-Octet Coded Character Set
UCS

ISO/IEC JTC1/SC2/WG2/IRG N1888A
Date: 2012-11-08

Source:	UTC
Title:	UTC/US Character Submission for Extension F
Meeting:	IRG #39
Status :	
Actions required	
Distribution:	IRG
Medium :	Electronic
Page:	
References:	

The UTC/US character submission for CJK Unified Ideographs Extension F consists of the following documents:

- IRG N1888A: This document
- IRG N1888B: Proposal summary form from the IRG P&P
- IRG N1888C: A table of the proposed characters and key attributes
- IRG N1888D: A Excel spreadsheet with character attributes
- IRG N1888E: UTC document L2/12-333
- UTCHan.ttf: A font containing glyphs for all the characters

The table includes the following attributes:

- A. The U-source identifier
- B. The character's glyph
- C. The character's IDS (if any)
- D. The KangXi radical (number form)
- E. The KangXi radical (character form)
- F. The number of additional strokes
- G. The stroke type of the first additional stroke
- H. An indication of whether the character is for traditional Chinese (TC) or simplified Chinese (SC)
 - I. A character of which the proposed character is a variant. In the case of SC characters, the variant is the traditional form(s) (if encoded)
 - J. The code point of the variant character

The Excel spreadsheet includes the following attributes:

- A. The U-source identifier
- B. The PUA code point for the character's glyph in UTCHan.ttf
- C. The character's IDS (if any)
- D. The KangXi radical (number form)
- E. The number of additional strokes
- F. The stroke type of the first additional stroke
- G. An indication of whether the character is for traditional Chinese (TC) or simplified Chinese (SC)
- H. The code point of a character of which the proposed character is a variant. In the case of SC characters, the variant is the traditional form(s) (if encoded)
- I. The index of the character in L2/12-333 (IRG N1888E), if any

UTC document L2/12-333 (IRG N1888E) is a contribution from sinologist Andrew West. All of the characters in the UTC proposal which are *not* holdovers from Extension E derive from this document. Characters UTC-00953 onward all have indices into L2/12-333 (IRG N1888E), which itself provides the detailed evidence for those characters.

The remaining characters, which were included in our Extension E submission, have had their attributes modified to meet IRG requests.

**ISO/IEC JTC 1/SC 2/WG 2/IRG
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS OF CJK UNIFIED IDEOGRAPHHS TO THE REPERTOIRE OF ISO/IEC 10646**

Please fill in all the sections below.

Please read Principles and Procedures Document (P & P) from <http://appsrv.cse.cuhk.edu.hk/~irg/irg31/IRGN1562.pdf>
for guidelines and details before filling in this form.
Please ensure you are using the latest Form from <http://appsrv.cse.cuhk.edu.hk/~irg/SubmissionForm.pdf>.
See also <http://appsrv.cse.cuhk.edu.hk/~irg/UCV.html> for latest *Unifiable Calligraphic Variations*.

A. Administrative

- | | |
|---|-----------------------------------|
| 1. IRG Project Code: | e.g. Extension-F |
| 2. Title: | UTC/US Submission for Extension F |
| 3. Requester's region/country name: | USA |
| 4. Requester type (National Body/Individual contribution): | National Body |
| 5. Submission date: | 8 Nov. 2012 |
| 6. Requested Ideograph Type (Unified or Compatibility Ideographs) | Unified Ideographs |
| If Compatibility, does requester have the intention to register them as IVS (See UTS #37) with the IRG's approval? (Registration fee will not be charged if authorized by the IRG.) | |
| 7. Request Type (Normal Request or Urgently Needed) | Normal |
| 8. Choose one of the following: | |
| This is a complete proposal: Yes | |
| (or) More information will be provided later: | |

B. Technical – General

- | | |
|---|------------|
| 1. Number of ideographs in the proposal: | 332 |
| 2. Glyph format of the proposed ideographs: (128x128 "bmp" files or TrueType font file) | TrueType |
| If 'bmp' files, their file names are the same as their Source IDs? | |
| If TrueType font, all proposed glyphs are put into BMP PUA area? | |
| If TrueType font, data for Source IDs vs. character codes are provided? | |
| 3. Source IDs: | Yes |
| Do all the proposed ideographs have a unique, proper Source ID (country/region code and less than 9 alphanumeric characters)? | |
| 4. Evidence: | Yes |
| a. Do all the proposed ideographs have the separate evidence document which contains at least one scanned image of printed materials (preferably dictionaries)? | |
| b. Do all the printed materials used for evidence provide enough information to track them by a third party (ISBN numbers, etc.)? | |
| 5. Attribute Data Format: (Excel file or CSV) | Excel file |

C. Technical - Checklist

Understandings of the Unification Checklist

1. Has the requester read ISO/IEC 10646 Annex S and did the requester understand the unification policy?
1. Has the requester read the “Unifiable Calligraphic Variations” (contact IRG technical editor through the Rapporteur for the latest one) and did the requester understand the unifiable variation examples?
1. Has the requester read this P&P document and did the requester understand the 5% rule?

Character-Glyph Duplication Checklist(<http://www.itscj.ipsj.or.jp/sc2/open/pow.htm>) contains all the published ones and those under ballot)

1. Has the requester checked that any of the proposed ideographs is **not unifiable** with the unified or compatibility ideographs of ISO/IEC 10646?
If yes, which version of ISO/IEC 10646 did requester check? (e.g. 10646:2003)
1. Has the requester checked that any of the proposed ideographs is **not unifiable** with the ideographs in Amendments of current ISO/IEC 10646? (As of **2009**, Amendment 1, 4, 5, 6and 8 have CJK ideographs.)
If yes, which amendments did requester check?
1. Has the requester checked that any of the proposed ideographs is **not unifiable** with the ideographs in the current IRG working sets or proposed amendments of ISO/IEC 10646? (As of **2009**, PDAM 6 and PDAM 8 have CJK ideographs.)
If yes, which draft amendments did requester check?
1. Has the requester checked that any of the proposed ideographs is **not unifiable** with the ideographs in the current working M-set and D-set of the IRG? (Contact IRG chief editor and technical editor through the IRG Rapporteur for the newest list)
If yes, which document did requester check?

1. Has the requester checked that any of the proposed ideographs is **not unifiable** with the over-unified or mis-unified ideographs in ISO/IEC 10646? (Check Annex E of this document).
1. Has the requester checked that any of the proposed ideographs **has similar ideograph(s)** with the ideographs in the current standardized or working set mentioned above?
1. Has the requester checked that any of the proposed ideographs **has variant ideograph(s)** with the ideographs in the current standardized or working set mentioned above?

Attribute Data Checklist

1. Do all the proposed ideographs have attribute data such as the KangXi radical code, stroke count and first stroke?
1. Are there any simplified ideographs (ideographs that are based on the policy described in 簡化字總表) in the proposed ideographs?
If YES, does your proposal include proper simplified/traditional indication flag for each proposed ideograph in attribute data?
1. Do all the proposed ideographs have the document page number of evidence documents in attribute data?
1. Do all the proposed ideographs have the proper Ideographic Description Sequence (IDS) in attribute data?
If NO, how many proposed ideographs do not have the IDS?
1. If the answer to question 9 or 10 is yes, do the attribute data include any information on similar/variant ideographs for the proposed ideographs?

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00042	扠	𠀤 扌鸟	64	手	5	3
UTC-00061	鶗	𠀤 晏鸟	196	鳥	10	2
UTC-00109	蹠	𠀤 足峯	157	足	7	3
UTC-00111	邃	日穴遂	116	穴	13	4
UTC-00237	𩫔		194	鬼	8	2
UTC-00303	𦵈	𠀤 目艹禾 日囚皿	115	禾	16	1
UTC-00311	頰	𠀤 文頃	67	文	13	1
UTC-00315	覩	𠀤 赤兒	155	赤	8	3
UTC-00317	貞	日贝	154	貝	3	2
UTC-00327	韋	𠀤 韦华	178	韋	8	1
UTC-00338	𤧇	𠀤 火乚	86	火	1	2
UTC-00359	𠮧	𠀤 口炕	30	口	8	3
UTC-00361	𦵃	日𠀤 禾京合	115	禾	14	4
UTC-00365	撝	𠀤 扌經	64	手	13	3

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00402	榦	四木兵音	75	木	15	3
UTC-00403	唔	口口熖	30	口	12	3
UTC-00405	𦵃	田皮合	30	口	8	3
UTC-00418	擗	田扌頓	64	手	13	1
UTC-00423	攢	田扌熨	64	手	15	3
UTC-00436	噬	口口鑿	30	口	16	2
UTC-00439	菱	目++土爻	140	艸	6	1
UTC-00443	臚	月月枕	74	木	8	1
UTC-00448	斁	田育爻	66	支	8	4
UTC-00456	洄	氵彑	85	水	5	1
UTC-00459	搘	田扌寧	64	手	11	4
UTC-00470	攕	田扌篤	64	手	16	3
UTC-00481	𢂔	田扌晒	64	手	10	2
UTC-00483	𠂇	匚彳从	4	ノ	5	2

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00488	鄜	䷗ 疝 ䷗ 𩫔 ䷗	104	𠂔	9	3
UTC-00497	𩫔	䷗ 光 ䷗ 令	9	人	9	4
UTC-00498	𠂔	䷗ 𠂔 隆	9	人	11	2
UTC-00506	浪	䷗ 𩫔 艮	15	𩫔	6	4
UTC-00544	𠂔	䷗ 口 頤	30	口	10	5
UTC-00550	𠂔	䷗ 口 竹	30	口	11	3
UTC-00560	𠂔	䷗ 口 透	30	口	11	2
UTC-00562	𠂔	䷗ 口 榉	30	口	11	1
UTC-00563	𠂔	䷗ 口 紂	30	口	12	3
UTC-00566	𠂔	䷗ 口 逼	30	口	13	4
UTC-00588	戀	䷗ 米 戀	119	米	23	3
UTC-00602	鑾	䷗ 口 鑾	30	口	27	3
UTC-00603	𢃡	䷗ 口 射	31	口	4	2
UTC-00606	烽	䷗ 土 烽	32	土	6	3

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00607	朕	冂月夊	130	肉	6	4
UTC-00609	膏	日左月	130	肉	5	3
UTC-00611	塚	冂土冂	32	土	10	1
UTC-00623	鼈	冂子鼈	39	子	14	1
UTC-00625	鼴	冂尋未	41	寸	14	1
UTC-00630	愍	日跋心	61	心	12	2
UTC-00631	惄	日忄盟	61	心	13	2
UTC-00632	憇	日論心	61	心	15	4
UTC-00633	餗	日錫心	61	心	16	3
UTC-00634	筭	日肉缶	121	缶	4	3
UTC-00635	扌孙	冂扌小	64	手	3	3
UTC-00636	挈	日切手	64	手	4	1
UTC-00637	摢	日弗手	64	手	5	5
UTC-00638	𢵤	冂扌卉	64	手	5	1

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00644	搣	𢃡 捗法	64	手	8	4
UTC-00647	掩	𢃡 捉庵	64	手	11	4
UTC-00649	摵	𢃡 捉麥	64	手	11	1
UTC-00651	擣	𢃡 隊手	64	手	12	2
UTC-00652	掃	𢃡 捉幕	64	手	12	3
UTC-00653	擺	𢃡 捉罨	64	手	13	2
UTC-00654	攬	𢃡 捉兜	64	手	13	1
UTC-00655	搭	𢃡 捉落	64	手	13	1
UTC-00656	擊	𢃡 𢃡 厂 𢃡 肩 犬 王	64	手	13	3
UTC-00657	擗	𢃡 捉兵音	64	手	15	3
UTC-00659	擄	𢃡 捉厲	64	手	15	3
UTC-00660	攏	𢃡 捉甕	64	手	17	4
UTC-00661	擯	𢃡 捉束員	64	手	17	1
UTC-00662	諁	𢃡 諠手	64	手	15	4

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00664	燼	田文盡	67	文	14	5
UTC-00665	𦨑	田方罌	70	方	20	1
UTC-00667	瞵	田日禽	72	日	12	3
UTC-00671	檉	田木窒	75	木	11	4
UTC-00672	糟	田未曾	75	木	13	1
UTC-00682	𡇠	日冷毛	82	毛	7	4
UTC-00683	𦨓	田肯氣	84	气	14	2
UTC-00684	𩶻	囗气羅	84	气	19	2
UTC-00685	汪	田氵壬	85	水	4	3
UTC-00686	漚	日泥入	85	水	7	3
UTC-00689	剗	日削水	85	水	9	4
UTC-00692	擗	日潑手	85	水	16	4
UTC-00697	辣	日辣灝	86	火	14	4
UTC-00698	燠	田火興	86	火	16	3

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00699	屣	匚爪圭	87	爪	6	1
UTC-00701	瓠	匚爿瓜	97	瓜	4	3
UTC-00703	瘠	匱广背	104	广	9	1
UTC-00704	熯	匱广威	104	广	10	3
UTC-00705	瘳	匱广麥	104	广	10	1
UTC-00709	姽	匱皮奄	107	皮	7	1
UTC-00711	巵	匱皮巢	107	皮	11	3
UTC-00712	眴	匱目乃	109	目	2	3
UTC-00714	瞶	匱目巒	109	目	13	2
UTC-00717	礪	匱石鷺	112	石	21	3
UTC-00719	窮	曰穴弗	116	穴	5	3
UTC-00722	粃	匱米蚩	119	米	10	1
UTC-00723	縗	曰能糸	120	糸	10	3
UTC-00731	臙	匱月查	130	肉	9	1

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00738	艷	日日日艹艹 日一日色	139	色	12	1
UTC-00740	晉	日艸音	140	艸	11	3
UTC-00742	虎	虎下	141	虎	5	1
UTC-00749	蹠	日蹠某	157	足	9	1
UTC-00762	逛	日艸逛	140	艸	10	1
UTC-00766	隣	日隆𠂇	86	火	11	1
UTC-00768	擊	日靴手	64	手	13	1
UTC-00770	餴	日食庵	184	食	11	4
UTC-00776	點	日黑卢	203	黑	5	1
UTC-00778	翌	日勿正	20	勺	7	3
UTC-00787	鼴	日扌鼠	64	手	13	3
UTC-00790	履	日扌履	64	手	15	5
UTC-00791	邇	辵目穴月日彔	162	辵	51	4
UTC-00953	鐸	日钅哥	167	金	10	1

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00954	鮒	田鱼丹	195	魚	4	2
UTC-00955	鮓	田魚丹	195		4	3
UTC-00956	𩷶	田鱼丹	195	魚	7	1
UTC-00957	貢	日艸頁	140	艸	9	1
UTC-00958	贲	日艸页	140	艸	9	1
UTC-00959	汪	田>玉	15	>	5	1
UTC-00960	嚙	田口拶	30	口	9	1
UTC-00961	嚙	田口捺	30	口	9	1
UTC-00962	屹	田口乞	30	口	9	3
UTC-00963	𠂇	田口则	30	口	9	2
UTC-00964	屹	田口纥	30	口	9	5
UTC-00965	囉	田口缚	30	口	9	5
UTC-00966	囁	田口盈	30	口	9	3
UTC-00967	囁	田口特	30	口	9	3

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Submission Contents

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00982	真		24	十	5	1
UTC-00983	裊	曰?双	24	十	8	1
UTC-00984	卫		26	匚	0	1
UTC-00985	厃	曰厂元	27	厂	4	1
UTC-00986	𠂔	曰又化	29	又	4	1
UTC-00987	𡇉	曰又圭	29	又	6	1
UTC-00988	嚙	曰口曰 又木	30	口	6	1
UTC-00989	囁	曰口曰 尸专	30	口	7	1
UTC-00990	填	曰土?	32	土	7	1
UTC-00991	貝		37	大	2	1
UTC-00992	袞	曰大长	37	大	4	1
UTC-00993	夾		37	大	4	1
UTC-00994	奩	曰大正	37	大	5	1
UTC-00995	妥	曰丶女	38	女	3	1

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-00996	姤	䷫女	38	女	4	1
UTC-00997	寔	曰宀又	40	宀	3	1
UTC-00998	寔寔	曰宀在	40	宀	6	1
UTC-00999	𡇚	䷾?定	40	宀	10	1
UTC-01000	𠂊	囗尸一	44	尸	1	1
UTC-01001	𠂊	囗尸专	44	尸	4	1
UTC-01002	𠂊	囗广了	53	广	2	1
UTC-01003	𢃠	曰比升	55	升	4	1
UTC-01004	𢃠	䷾弓旦	57	弓	5	1
UTC-01005	𢃠		58	𢃠	0	1
UTC-01006	𢃠	曰乙心	61	心	1	1
UTC-01007	忼	䷾𢃠万	61	心	3	1
UTC-01008	忼	䷾𢃠	61	心	3	1
UTC-01009	忼	䷾𢃠?	61	心	5	1

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01010	惄	𢚔 射?	61	心	5	1
UTC-01011	惄	𢚔 射 兰	61	心	5	1
UTC-01012	慎	𢚔 射?	61	心	7	1
UTC-01013	惄	𢚔 射 曲 心	61	心	7	1
UTC-01014	揷	𢚔 扌?	64	手	5	1
UTC-01015	捱	𢚔 扌?	64	手	6	1
UTC-01016	揷	𢚔 扌 曲 叉	64	手	6	1
UTC-01017	揷	𢚔 扌 曲 木	64	手	6	1
UTC-01018	撋	𢚔 扌 曲 心	64	手	7	1
UTC-01019	暭	𢚔 曰?	72	日	5	1
UTC-01020	柔	𠂇 又 木	75	木	2	1
UTC-01021	柟	𢚔 木?	75	木	6	1
UTC-01022	柟	𢚔 木 苗	75	木	8	1
UTC-01023	殖	𢚔 犭?	78	歹	6	1

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Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01024	毀	四呈殳	79	殳	7	1
UTC-01025	汙	四氵宀	85	水	4	1
UTC-01026	洮	四氵?	85	水	5	1
UTC-01027	滇	四氵?	85	水	7	1
UTC-01028	淄	四氵苗	85	水	8	1
UTC-01030	灯	四火了	86	火	2	1
UTC-01031	犧	四牛?	93	牛	5	1
UTC-01032	狃	四犭?	94	犬	5	1
UTC-01033	瘤	四犭苗	104	犭	8	1
UTC-01034	眎	四目下	109	目	3	1
UTC-01035	眊	四目?	109	目	5	1
UTC-01036	睂	四目口 尸专	109	目	7	1
UTC-01037	矧	四矢卜	111	矢	2	1
UTC-01038	礮	四石口 尸一	112	石	4	1

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UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01039	叕	曰石双	112	石	4	1
UTC-01040	初	匚禾刀	115	禾	2	1
UTC-01041	攴	匚禾文	115	禾	4	1
UTC-01042	躈	匚立?	117	立	5	1
UTC-01043	粀	匚米广	119	米	3	1
UTC-01044	粃	匚米?	119	米	5	1
UTC-01045	纍	匚丝元	120	糸	4	1
UTC-01046	纁	匚丝?	120	糸	5	1
UTC-01047	纊	匚丝兰	120	糸	5	1
UTC-01048	綬	匚丝曰 女	120	糸	6	1
UTC-01049	収	匚缶又	121	缶	2	1
UTC-01050	罝	曰网?	122	网	6	1
UTC-01051	羂	曰羽一	124	羽	1	1
UTC-01052	旤	匚干	132	自	6	1

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UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01053	𦨇	目++—	140	艸	3	1
UTC-01054	薺	目++?	140	艸	5	1
UTC-01055	𧔗	囗虫目 +—	142	虫	6	1
UTC-01056	𧔗	囗虫堂	142	虫	8	1
UTC-01057	𠂊	囗讠千	149	言	3	1
UTC-01058	诗	囗讠?	149	言	5	1
UTC-01059	讌	囗讠兰	149	言	5	1
UTC-01060	賄	囗贝	154	貝	3	1
UTC-01061	贊	日袂贝	154	貝	8	1
UTC-01062	跔	囗刀	157	足	2	1
UTC-01063	跔	囗	157	足	3	1
UTC-01064	軌	囗车入	159	車	2	1
UTC-01065	轫	囗车切	159	車	4	1
UTC-01066	酈	囗酉上	164	酉	3	1

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01067	鉢	四 钅上	167	金	3	1
UTC-01068	餅	四 钅井	167	金	4	1
UTC-01069	缺	四 钅夬	167	金	4	1
UTC-01070	镇	四 钅?	167	金	7	1
UTC-01071	颠	四 ?页	181	頁	7	1
UTC-01072	驰	四 马彑	187	馬	5	1
UTC-01073	眷	曰 羄马	187	馬	6	1
UTC-01074	粢	目 一从 木	8	一	8	2
UTC-01075	沧	四 丶仓	15	丶	4	2
UTC-01076	贛	四 贊丶	18	刀	16	2
UTC-01077	幌	四 巾无	50	巾	4	2
UTC-01078	旼	四 弓广	57	弓	3	2
UTC-01080	擗	四 扌颠	64	手	16	2
UTC-01081	柂	四 木过	75	木	6	2

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01082	灝	田氵项	85	水	9	2
UTC-01083	熯	田火闔	86	火	11	2
UTC-01084	瑤	田罗	96	玉	8	2
UTC-01085	礮	田石质	112	石	8	2
UTC-01086	簾	曰阑	118	竹	12	2
UTC-01087	紩	田糸卢	120	糸	5	2
UTC-01088	紩	田糸失	120	糸	5	2
UTC-01089	絓	田糸圭	120	糸	6	2
UTC-01090	纊	田糸两	120	糸	7	2
UTC-01091	縕	田糸呙	120	糸	7	2
UTC-01092	緉	田糸取	120	糸	8	2
UTC-01093	缕	田糸委	120	糸	8	2
UTC-01094	粹	田糸卒	120	糸	8	2
UTC-01095	縹	田糸祭	120	糸	11	2

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01096	賚	曰艹資	140	艸	10	2
UTC-01097	嫵	曰艹嬰	140	艸	11	2
UTC-01098	𧔗	皿虫节	142	虫	5	2
UTC-01099	𧔘	皿虫负	142	虫	6	2
UTC-01100	𧔙	皿虫两	142	虫	7	2
UTC-01101	衺	皿衤两	145	衣	7	2
UTC-01102	衺	皿衤颉	145	衣	12	2
UTC-01103	讐	皿讠于	149	言	3	2
UTC-01104	誅	皿讠禾	149	言	5	2
UTC-01105	諷	皿讠叔	149	言	8	2
UTC-01106	諫	皿讠隱	149	言	11	2
UTC-01107	讌	皿讠读言	149	言	15	2
UTC-01109	甿	皿贝也	154	貝	3	2
UTC-01110	賚	曰宗贝	154	貝	8	2

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01111	輶	四车瓜	159	車	5	2
UTC-01112	輛	四车而	159	車	6	2
UTC-01113	韜	四车盾	159	車	9	2
UTC-01114	轔	四车葛	159	車	12	2
UTC-01115	轔	四车釁	159	車	13	2
UTC-01116	駟	四酉仓	164	酉	4	2
UTC-01117	釤	四钅工	167	金	3	2
UTC-01118	鉉	四钅庀	167	金	4	2
UTC-01119	銖	四钅尔	167	金	5	2
UTC-01120	铤	四钅延	167	金	8	2
UTC-01121	鋟	四钅叕	167	金	8	2
UTC-01122	鋠	四钅慮	167	金	10	2
UTC-01123	鏷	四钅虧	167	金	13	2
UTC-01124	闕	四门必	169	門	5	2

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01125	張	䷗韦长	178	韋	4	2
UTC-01127	頰	䷗安页	181	頁	6	2
UTC-01128	顙	䷗卒页	181	頁	8	2
UTC-01129	顚	䷗咸页	181	頁	9	2
UTC-01130	顛	䷗焦页	181	頁	12	2
UTC-01131	𩫔	䷗𠂔毕	184	食	6	2
UTC-01132	𩫕	䷗𠂔舌	184	食	6	2
UTC-01133	馳	䷗马必	187	馬	5	2
UTC-01134	駿	䷗马麌	187	馬	10	2
UTC-01135	駟	䷗马敦	187	馬	12	2
UTC-01136	𩫑	曰彭宁	190	彭	5	2
UTC-01137	𩫒	䷗鱼岁	195	魚	6	2
UTC-01138	𩫓	䷗鱼旨	195	魚	6	2
UTC-01139	𩫔	曰鱼	195	魚	7	2

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01140	鯀	𠂔魚或	195	魚	8	2
UTC-01141	鰓	𠂔魚录	195	魚	8	2
UTC-01142	鰽	𠂔魚骨	195	魚	9	2
UTC-01143	鰧	𠂔魚翁	195	魚	10	2
UTC-01144	鰩	𠂔魚衔	195	魚	11	2
UTC-01145	鰍	𠂔魚箴	195	魚	15	2
UTC-01146	鵠	𠂔夬鸟	196	鳥	4	2
UTC-01147	鵝	𠂔共鸟	196	鳥	6	2
UTC-01148	鵡	𠂔甫鸟	196	鳥	7	2
UTC-01149	鵢	𠂔岑鸟	196	鳥	7	2
UTC-01150	鵤	𠂔兒鸟	196	鳥	8	2
UTC-01152	鵗	𠂔爽鸟	196	鳥	11	2
UTC-01153	齶	𠂔齿可	211	齒	5	2
UTC-01154	齧	𠂔齿奇	211	齒	8	2

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01155	曠	囗口麌	30	口	18	3
UTC-01156	嫵	囗女竈	38	女	12	3
UTC-01158	𠂊	日止王	77	止	4	3
UTC-01159	畱	日糸田	102	田	4	3
UTC-01160	袵	日彑弓	105	彑	3	3
UTC-01161	築	目囗工口木	118	竹	10	3
UTC-01162	繙	囗糸日糸田	120	糸	4	3
UTC-01163	罗	日四支	122	网	4	3
UTC-01164	脆	囗月龜	130	肉	9	3
UTC-01165	蔽	日艹敵	140	艹	14	3
UTC-01166	彖	日辛豕	152	豕	6	3
UTC-01167	贍	囗貝賓	154	貝	14	3
UTC-01168	躄	日辠足	157	足	16	3
UTC-01169	𠂔	囗日出隹翟	172	隹	19	3

UTC/US Extension F Subm

Submission Contents

UTCIndex	PUAGlyph	IDS	Radical	Ra...	Strokes	First
UTC-01170	霍	日雨麤	173	雨	24	3
UTC-01171	鋟	匚钅麦	167	金	7	4
UTC-01172	嚙	匚口恧	30	口	10	6
UTC-01173	羅	日日羅	72	日	19	7
UTC-01174	責	日艸貢	140	艸	7	11
UTC-01175	蕷	日艸閭	140	艸	6	12
UTC-01176	蒩	日艸杭	140	艸	8	13
UTC-01177	蒩	日艸杭	140	艸	9	14
UTC-01178	堔	匚土引	32	土	4	16
UTC-01179	鹹	匚鹵亢	197	鹵	4	4

Title: Request to UTC to Propose 226 Characters for Inclusion in CJK Extension F
Author: Andrew West
Date: 2012-10-19

The IRG does not normally accept contributions from individuals, and so there is no direct way for an individual expert to propose Han ideographs for encoding in the UCS. Over several years I have compiled a list of several hundred unencoded CJK characters, of which 226 reliably-sourced characters are urgently required for use by myself or by other users but are not scheduled for inclusion in CJK Extension E. I am therefore requesting that the UTC propose these 226 characters for inclusion in CJK Extension F via the IRG.

The 226 proposed characters fall into six categories, as discussed below.

1. Second Stage Simplifications

"Proposal to Encode Obsolete Simplified Chinese Characters" (L2/09-260R, WG2 N3695) proposes to encode 335 simplified Chinese characters that have been used historically, but that are no longer in common use. Of these, the simplified characters given in Table 1 of the *Plan for 2nd Stage Simplified Characters* that was published on 20th December 1977 were widely used in print during 1978. For example, the Table 1 simplified forms were used in the *People's Daily* newspaper from 21st December 1977 until July 1978 (see L2/09-260R fig. 4), and on postage stamps issued between June and November 1978 (see L2/09-260R figs. 6-10). Although the 2nd stage simplifications were officially withdrawn in 1978, the characters continued to see occasional use in printed contexts during the 1980s, and are still widely recognised today. There is a pressing need to encode the Table 1 simplifications, both in order to discuss the history of Chinese character simplification, and also in order to accurately represent those texts that were written using second stage simplifications (see L2/09-260R page 24 for an example of a web page for post card collectors that struggles to represent a Table 1 simplified character on a postcard from 1986).

On the other hand, Table 2 of the *Plan for 2nd Stage Simplified Characters* from 1977 was not implemented, and the Table 2 simplifications were only very rarely used in print outside the publication of the table itself. Therefore there is not as strong a case for encoding the Table 2 simplified characters as there is for the Table 1 simplified characters, and it is not proposed that they be added to CJK-F. The "first batch" simplified Chinese characters from 1935 and Singapore simplifications from 1969 that are discussed in L2/09-260R are also not proposed for adding to CJK-F.

Therefore 105 of the 335 characters proposed in L2/09-260R, all from Table 1 of the *Plan for 2nd Stage Simplified Characters* of 1977, are requested to be proposed for addition to CJK Extension F.

2. *Xiandai Hanyu Cidian* Additions

The *Modern Chinese Dictionary* (*Xiàndài Hànyǔ Cídiǎn* 现代汉语词典) is an authoritative dictionary of modern standard Chinese that was first published in 1973 and is currently in its 6th edition. The

2nd edition of this dictionary, published in 1983, is the source for the kXHC1983 field in the Unihan database, but as 172 characters in this edition of the dictionary are as yet unencoded, unencoded simplified characters are mapped to the corresponding traditional form characters, which makes the kXHC1983 field defective. 91 of the unencoded characters are scheduled for encoding in CJK Extension E, but that still leaves 81 unencoded characters. Given the importance of this dictionary of modern Chinese these 81 characters should be encoded as soon as possible.

3. *Grammata Serica Recensa* Additions

Bernhard Karlgren's 1957 dictionary of Old Chinese, *Grammata Serica Recensa*, is an extremely influential work in the history of Chinese philology, and the source for the kgSR field in the Unihan database. 16 entries in *GSR* are for unencoded characters, which are strong candidates for encoding.

4. Element Characters

The periodic table lacks simplified forms of 8 elements (Rf, Db, Sg, Bh, Hs, Mt, Rg and Cn), which are represented on the Chinese Wikipedia as either PUA characters (<http://zh.wikipedia.org/wiki/%E5%85%83%E7%B4%A0%E5%91%A8%E6%9C%9F%E8%A1%A8>) or as components (<http://zh.wikipedia.org/wiki/%E6%89%A9%E5%B1%95%E5%85%83%E7%B4%A0%E5%91%A8%E6%9C%9F>), both of which methods are highly unsatisfactory. Six of these are scheduled for CJK-E, but Mt and Cn are not, and should be candidates for urgent encoding.

5. Sanskrit and Tangut Use Characters

Eleven characters used for the transliteration of Sanskrit and Tangut in recent academic publications are urgently required for encoding (see figs. 1-7).

6. Other Characters

Eleven other characters are required for encoding: three fish characters (see figs. 8-9), six plant characters (see figs. 10-15), one character used in a catalogue of Chinese books, and one character used for a technical term in a Yuan dynasty treatise on the game of golf (see fig.16).

Table of Proposed Characters

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
1	𠂇		一	2	1	1	1.094	2nd stage simplified form of U+8650 唐
2	𣎵		一	4	1	1	2.011	2nd stage simplified form of U+9752 青
3	申		一	4	2	1	2.01	2nd stage simplified form of U+56CA 囊, U+56D4 囊
4	靜	爭?爭	丶	10	1	1	2.011-09	2nd stage simplified form of U+9759 靜
5	𠂇	𠂇入	人	2	3	1	1.106	2nd stage simplified form of U+5112 儒
6	俱	𠂇? ?	人	5	2	1	2.005-01	2nd stage simplified form of U+4FF1 偶
7	值	𠂇? ?	人	6	1	1	2.019-01	2nd stage simplified form of U+503C 值
8	耀	光天	儿	8	2	1	1.139	2nd stage simplified form of U+8000 耀, U+66DC 曜
9	尊		八	4	1	1	2.021	2nd stage simplified form of U+5C0A 尊
10	剗	𠂇刃	刀	3	5	1	2.015-01	2nd stage simplified form of U+5254 剗
11	勑	井力	力	4	1	1	1.102	2nd stage simplified form of U+52E4 勸
12	量	旦力	力	5	2	1	1.078	2nd stage simplified form of U+91CF 量
13	直		十	4	2	1	2.019	2nd stage simplified form of U+76F4 直
14	真		十	5	2	1	2.018	2nd stage simplified form of U+771F 真
15	叢	?双	十	8	2	1	1.021	2nd stage simplified form of U+77D7 叢
16	部		卂	0	0	1	1.012	2nd stage simplified form of U+90E8 部
17	原	厂元	厂	4	1	1	1.151	2nd stage simplified form of U+539F 原
18	靴	又化	又	4	3	1	1.135	2nd stage simplified form of U+9774 靴
19	鞋	又圭	又	6	1	1	1.129	2nd stage simplified form of U+978B 鞋
20	嗓	口日又木	口	6	5	1	2.012-02	2nd stage simplified form of U+55D3 嗓
21	囁	口尸专	口	7	5	1	2.013-01	2nd stage simplified form of U+5631囁
22	填	土?	土	7	1	1	2.018-01	2nd stage simplified form of U+586B 填
23	具		大	2	2	1	2.005	2nd stage simplified form of U+5177 具

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
24	套	曰大长	大	4	3	1	1.118	2nd stage simplified form of U+5957 套
25	爽		大	4	3	1	1.112	2nd stage simplified form of U+723D 爽
26	埶	曰大正	大	5	1	1	1.158	2nd stage simplified form of U+6574 整
27	妥	曰丂女	女	3	4	1	2.016	2nd stage simplified form of U+5A74 婴
28	嫏	曰女戸	女	4	5	1	2.007-01	2nd stage simplified form of U+5A9A 媚
29	寔	曰宀又	宀	3	5	1	2.002	2nd stage simplified form of U+5BDF 察, U+5693 嚻
30	寔	曰宀在	宀	6	1	1	1.155	2nd stage simplified form of U+5BE8 賽
31	鞦	曰?定	宀	10	1	1	2.011-11	2nd stage simplified form of U+975B 鞦
32	𠵼	曰戸一	戸	1	1	1	2.017	2nd stage simplified form of U+5C55 展, U+8F97 辗
33	𠂇	曰戸专	戸	4	1	1	2.013	2nd stage simplified form of U+5C5E 屬
34	序	曰广了	广	2	5	1	1.083	2nd stage simplified form of U+5ED6 廖
35	𢃠	曰比升	升	4	1	1	1.006	2nd stage simplified form of U+5F0A 弊
36	弭	曰弓旦	弓	5	2	1	1.025	2nd stage simplified form of U+5F39 弹
37	𠂔		丶	0	0	1	1.136	2nd stage simplified form of U+96EA 雪
38	忌	曰乙心	心	1	5	1	1.14	2nd stage simplified form of U+610F 意
39	忼	曰卜万	心	3	1	1	1.088	2nd stage simplified form of U+6162 慢
40	忰	曰卜昜	心	3	5	1	2.015-02	2nd stage simplified form of U+60D5 惕
41	忲	曰卜?	心	5	1	1	2.011-04	2nd stage simplified form of U+60C5 情
42	忲	曰卜?	心	5	2	1	2.005-02	2nd stage simplified form of U+60E7 慎
43	忰	曰卜兰	心	5	4	1	1.073	2nd stage simplified form of U+61D2 懒
44	慎	曰卜?	心	7	1	1	2.018-02	2nd stage simplified form of U+614E 慎
45	忰	曰卜曰 干心	心	7	1	1	2.003-02	2nd stage simplified form of U+61BE 憾
46	揷	曰才?	手	5	1	1	2.010-01	2nd stage simplified form of U+652E 攢
47	揷	曰才?	手	6	4	1	2.021-01	2nd stage simplified form of U+6499 摶

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
48	扠	𢃡 扌 又	手	6	4	1	2.002-01	2nd stage simplified form of U+64E6 擦
49	揷	𢃡 扌 木	手	6	5	1	2.012-01	2nd stage simplified form of U+6421 揉
50	撣	𢃡 扌 干	手	7	1	1	2.003-01	2nd stage simplified form of U+64BC 撼
51	眛	𢃡 日?	日	5	1	1	2.011-06	2nd stage simplified form of U+6674 眇
52	朶	𠂔 又 木	木	2	5	1	2.012	2nd stage simplified form of U+6851 桑
53	楂	𢃡 木?	木	6	1	1	2.019-02	2nd stage simplified form of U+690D 植
54	榴	𢃡 木 皀	木	8	4	1	2.006-01	2nd stage simplified form of U+69B4 榴
55	殖	𢃡 歳?	岁	6	1	1	2.019-03	2nd stage simplified form of U+6B96 殖
56	毀	𢃡 𠂔 𠂔	𠂔	7	2	1	1.051	2nd stage simplified form of U+6BC1 毁
57	漚	𢃡 氵 兑	水	4	4	1	1.138	2nd stage simplified form of U+6F14 演
58	漙	𢃡 氵 ?	水	5	1	1	2.011-05	2nd stage simplified form of U+6E05 清
59	漥	𢃡 氵 ?	水	7	1	1	2.018-03	2nd stage simplified form of U+6EC7 漥
60	淄	𢃡 氵 皀	水	8	4	1	1.086	2nd stage simplified form of U+6E9C 淶, U+905B 遷, U+7198 煙, U+998F 鑫
61	𤧄	𢃡 火 丂	火	1	5	1	1.091	2nd stage simplified form of U+7164 煤
62	𤧆	𢃡 火 了	火	2	5	1	1.081	2nd stage simplified form of U+71CE 燎
63	犗	𢃡 牛 ?	牛	5	2	1	2.005-03	2nd stage simplified form of U+728B 犗
64	猜	𢃡 犭 ?	犬	5	1	1	2.011-03	2nd stage simplified form of U+731C 猜
65	瘤	𢃡 疝 皀	疒	8	4	1	2.006-02	2nd stage simplified form of U+7624 瘤
66	眊	𢃡 目 下	目	3	1	1	1.125	2nd stage simplified form of U+778E 瞽
67	眊	𢃡 目 ?	目	5	1	1	2.011-07	2nd stage simplified form of U+775B 眇
68	睯	𢃡 目 眀	目	7	5	1	2.013-02	2nd stage simplified form of U+77A9 瞩
69	矧	𢃡 矢 卜	矢	2	2	1	1.033	2nd stage simplified form of U+77ED 短
70	礮	𢃡 石 眀	石	4	5	1	2.017-01	2nd stage simplified form of U+78BE 碾

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
71	姦	曰石双	石	4	5	1	1.075	2nd stage simplified form of U+78CA 姦
72	初	丶禾刀	禾	2	5	1	1.027	2nd stage simplified form of U+7A3B 稞
73	攴	丶禾文	禾	4	4	1	1.121	2nd stage simplified form of U+7A33 稳
74	靖	丶立?	立	5	1	1	2.011-08	2nd stage simplified form of U+9756 靖
75	粀	丶米广	米	3	4	1	1.117	2nd stage simplified form of U+7CD6 糖
76	粺	丶米?	米	5	1	1	2.011-10	2nd stage simplified form of U+7CBE 精
77	続	丶丝元	丝	4	1	1	1.153	2nd stage simplified form of U+7F18 缘
78	緜	丶丝?	丝	5	1	1	2.009-01	2nd stage simplified form of U+7F05 缅
79	缆	丶丝兰	丝	5	4	1	1.074	2nd stage simplified form of U+7F06 缆
80	綬	丶丝曰 丶女	丝	6	4	1	2.016-01	2nd stage simplified form of U+7F28 缪
81	釤	丶缶又	缶	2	5	1	1.044	2nd stage simplified form of U+7F50 罐
82	置	曰囂?	网	6	1	1	2.019-04	2nd stage simplified form of U+7F6E 置
83	羽	曰羽一	羽	1	1	1	1.142	2nd stage simplified form of U+7FFC 翼
84	鼾	丶鼻干	自	6	1	1	2.001-01	2nd stage simplified form of U+9F3E 鼾
85	蒙	丶卄一	艸	3	4	1	2.008	2nd stage simplified form of U+8499 蒙
86	菁	丶卄?	艸	5	1	1	2.011-02	2nd stage simplified form of U+83C1 菁
87	蠟	丶虫丶	虫	6	1	1	2.008-01	2nd stage simplified form of U+8813 蠟
88	𧈧	丶虫坐	虫	8	2	1	2.014-01	2nd stage simplified form of U+87B3 蟑
89	谦	丶讠千	讠	3	3	1	1.098	2nd stage simplified form of U+8C26 谦
90	请	丶讠?	讠	5	1	1	2.011-01	2nd stage simplified form of U+8BF7 请
91	谰	丶讠兰	讠	5	4	1	1.072	2nd stage simplified form of U+8C30 谰
92	賜	丶贝昻	贝	3	5	1	2.015-03	2nd stage simplified form of U+8D50 賜
93	贊	丶袂贝	贝	8	1	1	1.154	2nd stage simplified form of U+8D5E 贊
94	跔	丶足刀	足	2	5	1	1.026	2nd stage simplified form of U+8E48 跖

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
95	蹠	𢚔足	足	3	5	1	2.015-05	2nd stage simplified form of U+8E22 踠
96	軏	𢚔车	车	2	3	1	1.111	2nd stage simplified form of U+8F93 輕
97	轫	𢚔车	车	4	3	1	1.157	2nd stage simplified form of U+8F99 銻
98	酈	𢚔酉	酉	3	2	1	1.093	2nd stage simplified form of U+91C0 酝
99	釷	𢚔钅	钅	3	2	1	1.126	2nd stage simplified form of U+9576 鑣
100	饼	𢚔钅	钅	4	1	1	1.061	2nd stage simplified form of U+955C 鏡
101	缺	𢚔钅	钅	4	5	1	1.065	2nd stage simplified form of U+9562 缺, U+4986 饋
102	镇	𢚔钅?	钅	7	1	1	2.018-04	2nd stage simplified form of U+9547 鎮
103	颠	𢚔页	页	7	1	1	2.018-05	2nd stage simplified form of U+98A0 頽
104	驰	𢚔马	马	5	2	1	2.004-01	2nd stage simplified form of U+9AA5 驚
105	騤	𢚔马	马	6	4	1	1.119	2nd stage simplified form of U+817E 騤
106	杂	𢚔宀从木	宀	8	3	2	1435.081	Variant form of U+96DC 雜
107	滄	𢚔氵	氵	4	3	2	0167.060	Simplified form of U+51D4 滄
108	贊	𢚔讠	刀	16	3	2	0553.110	Simplified form of U+5297 贊
109	幙	𢚔巾	巾	4	1	2	0470.070	Simplified form of U+5E60幙
110	彊	𢚔弓	弓	3	4	2	0422.130	Simplified form of U+5F4D 強
111	扠	𢚔扌	手	5	3	2	0152.030	Simplified form of U+640A 扱
112	擷	𢚔扌	手	16	1	2	0240.040	Simplified form of U+6527 擷
113	柂	𢚔木	木	6	1	2	1516.010	Simplified form of U+6A9B 檉
114	湧	𢚔氵	水	9	1	2	0466.110	Simplified form of U+6F92 湧
115	燭	𢚔火	火	11	4	2	1333.030	Simplified form of U+7213 燭
116	瓔	𢚔玉	玉	8	2	2	0749.020	Simplified form of U+3F08 瓔
117	礶	𢚔石	石	8	3	2	1494.010	Simplified form of U+7929 矶
118	簾	𢚔竹	竹	12	4	2	0672.050	Simplified form of U+7C63 簾

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
119	紩	𢂔纟卢	纟	5	2	2	0737.030	Simplified form of U+7E91 繩
120	紪	𢂔纟失	纟	5	3	2	1493.050	Simplified form of U+7D29 紪
121	紮	𢂔纟圭	纟	6	1	2	0404.030	Simplified form of U+7D53 紮
122	紥	𢂔纟两	纟	7	1	2	0709.060	Simplified form of U+7DC9 紥
123	縷	𢂔纟呙	纟	7	2	2	0402.090	Simplified form of U+7DFA 縷
124	縷	𢂔纟取	纟	8	1	2	1542.040	Simplified form of U+7DC5 縷
125	縷	𢂔纟委	纟	8	3	2	0977.020	Simplified form of U+7DCC 縷
126	縷	𢂔纟卒	纟	8	4	2	0183.130	Simplified form of U+7DB7 縷
127	縷	𢂔纟祭	纟	11	3	2	0102.010	Simplified form of U+7E29 縷
128	賚	𢂔廿資	艸	10	4	2	0172.160	Simplified form of U+858B 賚
129	𧈧	𢂔廿嬰	艸	11	2	2	1385.080	Simplified form of U+8621 𧈧
130	𧈧	𢂔虫节	虫	5	1	2	0580.010	Simplified form of U+45FB 𧈧
131	𧈧	𢂔虫负	虫	6	3	2	0348.010	Simplified form of U+875C 𧈧
132	𧈧	𢂔虫两	虫	7	1	2	0709.030	Simplified form of U+873D 𧈧
133	𧈧	𢂔丌两	衣	7	1	2	0709.010	Simplified form of U+88F2 𧈧
134	襯	𢂔丌颉	衣	12	1	2	1274.070	Simplified form of U+896D 襯
135	訏	𢂔讠于	讠	3	1	2	1299.080	Simplified form of U+8A0F 訏
136	誅	𢂔讠禾	讠	5	3	2	0453.050	Simplified form of U+8A38 誅
137	諤	𢂔讠叔	讠	8	2	2	0161.090	Simplified form of U+8AD4 諤
138	諱	𢂔讠隱	讠	11	5	2	1382.020	Simplified form of U+8B94 諱
139	讐	𢂔讠读言	讠	15	1	2	0267.010	Simplified form of U+8B9F 讐
140	貲	𢂔少贝	贝	3	2	2	1103.090	Simplified form of U+27D2A 貲
141	驰	𢂔贝也	贝	3	5	2	1363.130, 1369.110	Simplified form of U+8CA4 驰
142	賚	𢂔宗贝	贝	8	4	2	0178.070	Simplified form of U+8CE8 賚
143	輒	𢂔车瓜	车	5	3	2	0394.060	Simplified form of U+8EF1 輒

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
144	輛	車而	车	6	1	2	0286.030	Simplified form of U+8F00 輛
145	轤	車盾	车	9	3	2	0170.060	Simplified form of U+8F34 轜
146	轔	車葛	车	12	1	2	0371.020	Simplified form of U+8F55 轔
147	轔	車眾	车	13	2	2	0490.060, 0491.110	Simplified form of U+8F58 轔
148	酩	酉仓	酉	4	3	2	0917.010	Simplified form of U+490C 酴
149	釭	缶工	缶	3	1	2	0359.150	Simplified form of U+91ED 釭
150	鉉	缶宏	缶	4	1	2	0466.040	Simplified form of U+921C 鉉
151	銖	缶尔	缶	5	3	2	1235.060	Simplified form of U+9268 銖
152	铤	缶延	缶	8	3	2	0118.020	Simplified form of U+92CB 铤
153	鋟	缶叕	缶	8	5	2	1525.060	Simplified form of U+9323 錢
154	鑑	缶慮	缶	10	2	2	0742.070	Simplified form of U+9462 鑑
155	鏞	缶虧	缶	13	2	2	0614.120	Simplified form of U+943B 鏞
156	闕	門必	门	5	4	2	0059.040	Simplified form of U+959F 閥
157	帳	韦长	韦	4	3	2	0125.030	Simplified form of U+97D4 帳
158	韋	韦华	韦	6	3	2	1197.060	Simplified form of U+97E1 韋
159	頰	安页	页	6	4	2	0283.070	Simplified form of U+981E 颊
160	顙	卒页	页	8	4	2	0183.080	Simplified form of U+9847 顙
161	頤	咸页	页	9	1	2	0632.040	Simplified form of U+9851 颤
162	顚	焦页	页	12	3	2	0921.120	Simplified form of U+9866 顚
163	餚	𠂇毕	𠂇	6	1	2	0060.150	Simplified form of U+9946 餚
164	餔	𠂇舌	𠂇	6	3	2	1138.080	Simplified form of U+9902 餔
165	馳	马必	马	5	4	2	0059.110	Simplified form of U+99DC 馳
166	駿	马骏	马	10	3	2	1540.020	Simplified form of U+9A23 駿
167	駟	马敦	马	12	4	2	0277.050	Simplified form of U+9A50 駟
168	鬱	彭宁	彭	5	4	2	0835.120	Simplified form of U+9B21 鬱

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
169	鯢	𠁥 鱼岁	鱼	6	2	2	0420.140	Simplified form of U+9C65 鰐
170	鮨	𠁦 鱼旨	鱼	6	3	2	1371.080	Simplified form of U+9BA8 鮨
171	𩶓	𠁧 叔鱼	鱼	7	2	2	0102.030	Simplified form of U+4C57 鲍
172	𩶔	𠁩 鱼或	鱼	8	1	2	0515.110	Simplified form of U+4C5B 鲍
173	鰄	𠁪 鱼录	鱼	8	5	2	0740.080	Simplified form of U+4C5A 鲄
174	𩶕	𠁫 鱼骨	鱼	9	2	2	0483.010	Simplified form of U+4C7B 鲕
175	鰎	𠁬 鱼翁	鱼	10	3	2	1208.080	Simplified form of U+4C75 鲎
176	𩶖	𠁭 鱼衔	鱼	11	3	2	1248.040	Simplified form of U+4C97 鲖
177	𩶗	𠁮 鱼箴	鱼	15	3	2	1467.080	Simplified form of U+9C75 鲗
178	𩶘	𠁯 夂鸟	鸟	4	5	2	0620.050	Simplified form of U+9D02 鸠
179	𩶙	𠁰 共鸟	鸟	6	1	2	0382.050	Simplified form of U+4CCD 鸠
180	𩶚	𠁱 甫鸟	鸟	7	1	2	0086.020	Simplified form of U+9D4F 鸌
181	𩶛	𠁲 岑鸟	鸟	7	2	2	0133.010	Simplified form of U+2A04F 鸩
182	𩶜	𠁳 兒鸟	鸟	8	4	2	1371.070	Simplified form of U+9D82 鸩
183	𩶝	𠁴 晏鸟	鸟	10	2	2	1332.080	Simplified form of U+9DC3 鸩
184	𩶞	𠁵 爽鸟	鸟	11	1	2	1073.050	Simplified form of U+9DDE 鸩
185	𩶟	𠁶 齿可	齿	5	1	2	0642.021, 0906.100	Simplified form of U+4D97 齿
186	𩶟	𠁷 齿奇	齿	8	1	2	1363.170	Simplified form of U+9F6E 齿
187	曠	𠁸 口麌	口	18	4	3	0059k	Variant form of U+5673 曠
188	嫵	𠁹 女𡇻	女	12	4	3	0837h	Variant form of U+5B23 婵
189	斆	𠁺 育攴	支	8	4	3	0286a	Component
190	𠃊	𠁻 止王	止	4	1	3	0739i	Variant form of U+37B7 𠃊
191	畵	𠁽 𠂊田	田	4	1	3	0969a	Variant form of U+753E 畵
192	發	𠁾 𠂊弓	𠂊	3	5	3	0275b	Variant form of U+7679 發?
193	築	𠁿 𠁵工口木	竹	10	1	3	1019e	Variant form of U+7BC9 築

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
194	縶	糸 日 糸 田	糸	4	1	3	0969e	Variant form of U+7DC7 縶
195	𡇔	四 支	网	4	2	3	0293a	Variant form of U+2510E 曼
196	脆	月 龜	肉	9	3	3	0566g'	Variant form of U+818D 脆
197	蔽	廿 故	艸	14	4	3	1129c'	Variant form of U+85C3 蔽?
198	彖	一 辛 豕	豕	6	4	3	0516a	Variant form of U+27C4F 象?
199	贖	貝 賓	貝	14	4	3	0389o	Variant form of U+77C9 贖?
200	躉	辠 足	足	16	5	3	0289f	Variant form of U+8EA0 蹉
201	耀	日 出 隹 翟	隹	19	5	3	1124l	Variant form of U+7CF6 耀?
202	靄	雨 靄	雨	24	3	3	0775b	Variant form of U+9743 靄
203	餤	钅 麦	钅	7	1	4	Mt	Simplified form of U+4951 鍤
204	鎬	钅 哥	钅	10	1	4	Cn	Simplified form of U+93B6 鎬
205	屹	口 亾	口	5	3	5		See Fig.1
206	唗	口 则	口	6	2	5		Simplified form of U+20DCC 嘗 See Fig.2
207	屹	口 纟	口	6	5	5		Simplified form of U+20DB9 呶 See Fig.2
208	𢂵	口 拶	口	9	1	5		See Fig.1
209	噬	口 盈	口	9	5	5		See Fig.3
210	𢃁	口 特	口	10	3	5		See Fig.4
211	𢃂	口 捺	口	11	1	5		See Fig.1
212	𢃃	口 缚	口	13	5	5		Simplified form of U+56A9 嘷 See Fig.5
213	𢃄	口 輯	口	14	1	5		Variant form of U+2A898 嘷 See Fig.4
214	𢃅	口 恩	口	10	1	6	1072	See Fig.7
215	𩷶	日 羅	日	19	2	7		See Fig.6
216	鯒	魚 丹	魚	4	3	8		Danio spp.
217	鯔	鱼 丹	鱼	4	3	8		See Fig.8
218	𩷧	鱼 芒	鱼	6	1	8		Simplified form of U+29DF6 鮪 See Fig.9

No.	Char.	IDS	Rad.	A/S	F/S	Source	Ref.	Notes
219	蕡	𢂔廿頁	艸	9	1	9	p.135	<i>Carum buriaticum</i> or <i>Carum carvi</i> See Fig.10
220	蕡	𢂔廿页	艸	6	1	10	vol.3 p.150	See Fig.11
221	蕡	𢂔廿貢	艸	7	1	11	vol.2 p.256	Simplified form of U+4508 蕡 See Fig.12
222	蕶	𢂔廿閭	艸	6	4	12	vol.76 p.146	Simplified form of U+4561 蕶 See Fig. 13
223	蒩	𢂔廿杭	艸	8	1	13	vol.1 p.468	<i>Campylotropis macrocarpa</i> See Fig. 14
224	蒩	𢂔廿杭	艸	9	3	14	vol.1 p.85	<i>Campylotropis macrocarpa</i> See Fig. 15
225	澯	𢂔氵玉	氵	5	1	15	p.16	Variant form of U+73CF 珙 See Fig.12
226	堝	𢂔土引	土	4	5	16	shang 2	See Fig.13

Key to Sources

1	<i>Draft Plan for the Second Stage of Simplified Characters</i> 第二次汉字简化方案 (草案) (1977) Table 1
2	<i>Xiàndài Hànyǔ Cídiǎn</i> 现代汉语词典 (1983)
3	Bernhard Karlgren, <i>Grammata Serica Recensa</i> (1957)
4	Periodic table of elements
5	Sun Bojun 孙伯君, "Special transliteration characters in new Tangut translations of Buddhist sutras" 西夏新译佛经中的特殊标音汉字; <i>Níngxià Shèhuì Kēxué</i> 宁夏社会科学 140 (January 2007): 97-103
6	Li Fanwen 李范文, <i>Xià-Hàn Zìdiǎn</i> 夏漢字典 (2008)
7	Lin Ying-chin 林英津, " Tangut Version of Uṣṇīṣa Vijaya Dhāraṇī " 西夏语译《尊胜经》释文; <i>Xixia Studies</i> 西夏学 8 (2011): 23-61
8	Zheng Lan-ping, Chen Xiao-yong, Yang Jun-xing, "Composition and Status of Fishes of Nanla River in Xishuangbanna, Yunnan, China"; <i>Zoological Research</i> 2009(3): 334-340
9	<i>Jiǎnmíng Yīng-Hàn Cídiǎn</i> 簡明英漢詞典 (1963)
10	<i>Hénán Zhíwù Zhì</i> 河南植物志 (1981-1998)
11	<i>Héběi Zhíwù Zhì</i> 河北植物志 (1986-1991)
12	<i>Zhōngguó Zhíwù Zhì</i> 中国植物志 (1999)

13	<i>Běijīng Zhíwù Zhì</i> 北京植物志 (1984)
14	<i>Qínlǐng Zhíwù Zhì</i> 秦岭植物志 (1974)
15	Andrew West, <i>Catalogue of the Morrison Collection of Chinese Books</i> (SOAS, 1998)
16	<i>Wánjīng</i> 丸經 (1562)

Examples

对音汉字	梵文	对音举例
喻(重)(命, 明映开三去梗)	bhe/ bhi	嚩也遏哩(二合)喻(重)jayagarbhe 啊喻(重)石该(引)abhisēkair
嚩(捺, 泥曷开一入山)	dha	目嚩(引)也 buddhāya
唎(能, 泥哈开一平蟹)	d-	麼唎啰 mudrā
屹(屹, 疑迄开三入臻)	g(r)	钵唎(二合)铭 padme 三屹哩兮怛 saṃgrhitā

Fig. 1: Sun Bojun 2007 page 99 (nos. 208, 211, 205)

对音汉字	梵文	对音举例
嘬(撮, 清末合一入山)	jva	嘬 辣 jvala
嚙(精, 精清开三平梗)	ji	永舍你岭(二合)嚙怛 viṣanrijita
嚩(拶, 精末合一入山)	ja	觅嚩也 vijaya
𠂇(则, 精德开一入曾)	j(r)-	末𠂇呤(二合)vajre
得(得, 端德开一入曾)	t(r)-	满得啰(二合)mantra
屹(讫, 厥没开一入臻)	h(r)	屹哩嚩也 hr̥daya

Fig. 2: Sun Bojun 2007 page 99 (nos. 206, 207)

对音汉字	梵文	对音举例
嚩(合口)	dam	嚩嚩(合口)idam
啰(合口)	ram	折哩啰(合口)śarīram
涅(合口)	dhyan/dyām	末𠂇啰(合口)vajram 觅涅(合口)vidyām
端(合口)	tām	星涅(合口)当 sidhyantu 厮麻(二合)啰端(合口)smaratām

Fig. 3: Sun Bojun 2007 page 101 (no. 209)

对音汉字	梵文	对音举例
特(紧)(特,定德开一入曾)	tha	祢 祢 特(紧)nilaka n̥tha
没(紧)(没,明没合一入臻)	bha	体 唎麻(二合)捺(引)没(紧)padmanābha

Fig. 4: Sun Bojun 2007 page 102 (nos. 210, 213)

夏译佛经中“**唵**”字所代表的梵语是 va,如梵文 sarva,对音汉字为“萨唵”,这种读法符合历代佛经对音的常例,“唵”本来就是为佛经陀罗尼标音而创制的新字,梵文四十九根本字中,善无畏、不空、慧琳等都用“唵”对译梵文 va,反切注音为“无可反”,其字音并非“缚”(《广韵》符铿切,并药合三入宕)字加“口”旁。由此,我们推知《掌中珠》中“唵”字所对应的西夏字的读音也应是 va 或者 w-。

Fig. 5: Sun Bojun 2007 page 100 (no.212)

- | |
|---|
| 065. 蔽 瓜 毘 嫚 // 弩 瓜 瓜 婴 婴 // 勃 蔽 婍 毘
xa ² mu ² dj ¹ t ² rji;r ² ba ² dzj ¹ t ¹ rjar ¹ kja ¹ -- ja ² s̄a ¹ xa ⁻ tja ¹ nja ²
-hā-mudre, vajra-kāya- samḥaṭana-
-訶麼能吟二合 末羅 ^{二合} 葛引也 三訶怛捺 ^⑤ |
| 066. 婆 瓜 瓜 婴 // 婆 逆 婱 魏 婐 // 婴 婴 瓜 毘
pja ¹ rjir ¹ śjuu ¹ dji ¹ sja ¹ war ¹ kja ¹ rjhr ² mja ¹ a ⁻ wa ¹ rjar ¹ nja ²
pariśuddhe, sarva- karmāvaraṇa-
鉢哩熟寧 薩嚸葛哩 ^{二合} 麻啊幹囉捺- ^⑥ |
| 067. 婸 瓜 婴 // 婈 瓜 瓜 婸 // 婸 魏 婐 婐 // 婐 婐
bji ² śjuu ¹ dji ¹ pj ¹ rjar ¹ tji ² njij ² wa ¹ rjhr ² tja ¹ ja ² mja ¹ mja ¹
viśuddhe, pratinivartaya, mamā- |

Fig. 6: Lin Ying-chin 2011 page 40 (no. 215)

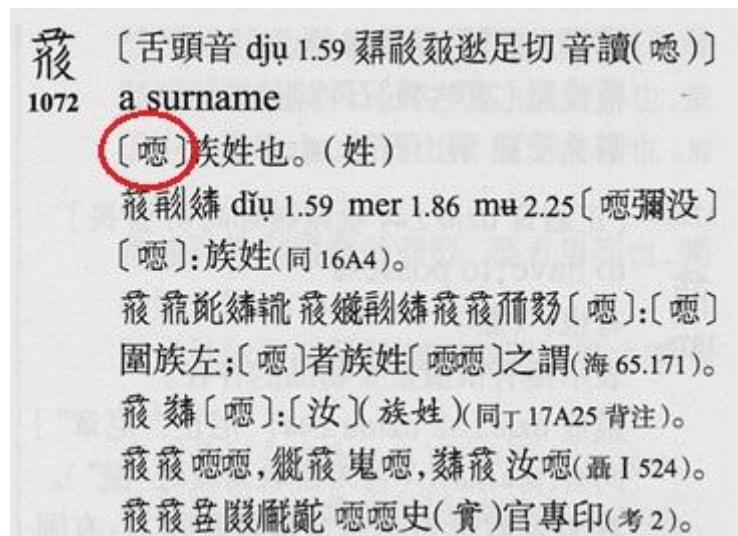


Fig. 7: Li Fanwen 2008 page 179 (no. 214)

附录 I 云南省南拉河鱼类名录

Appendix I List of Fishes in Nanla River, Yunnan, China

中文名 Chinese name	拉丁名 Latin name
I. 鲤形目	CYPRINIFORMES
鲤科	Cyprinidae
1. 金线鯧	<i>Danio chrysotaeniata</i>
2. 斑尾低线鱥	<i>Barilius caudiocellatus</i>
3. 丽色低线鱥	<i>Barilius pulchellus</i>
4. 长嘴鱥	<i>Raiamas guttatus</i>
5. 高体鳑鲏*	<i>Rhodeus ocellatus</i>
6. 异斑小鲃	<i>Puntius ticto</i>
7. 中国结鱼	<i>Tor sinensis</i>
8. 云南吻孔鲃	<i>Poropuntius huangchunchieni</i>
9. 棱吻孔鲃	<i>Poropuntius carinatus</i>

Fig. 8: Zheng et al. 2009 page 339 (no. 217)

睡的中缅界河——南拉河进行了鱼类资源调查。从野4目14科34属。鲤形目的鱼类最多，共有27种，占1.3%；合鳃鱼目2种，占总种数的4.8%。其中，丝尾疑似分布种类——长丝鲃(*Pangasius sanitwangsei*)被拉河鱼类区系是以喜温的“老第三纪类群”中的热带型；以底栖鱼类和杂食性鱼类居多。导致南拉河鱼类

Fig. 9: Zheng et al. 2009 page 334 (no.218)

cap-a-way [károwei] n. 茄【植】
茴香 [károwei]

Fig. 10: Jiǎnmíng Yīng-Hàn Cídǎn p.135 (no. 219)

15. 茴蒿属 *Carum* L.

二年或多年生草本，高30cm~80cm，根肉质。茎直立，分枝，上部2叉状。基生及下部的叶柄具鞘，中、上部叶有短柄或无柄；叶片二至三回羽状分裂，末回裂片线形或披针形，全缘。复伞形花序顶生或侧生，总苞和小总苞片无或1个~10个，线形或披针形；小伞形花序有花4朵~30朵，花两性或杂性；萼齿不显；花瓣白色或红色，倒卵形，顶端凹陷有内折小舌片；花柱基圆锥形。果实长卵形或卵形，侧扁，果棱明显；每棱槽中有油管1个，稀3个，合生面2条~4条。

有25种~30种，分布于欧洲、亚洲、北非及北美。我国有4种，2变型。河南有2种。

- 1. 基生叶鞘有宽白色膜质边缘。小总苞片无偶有1个~3个，披针形；小伞形花序有花5朵~15朵。果实长4mm~5mm (1) 茴蒿 *Carum carvi* L.
- 1. 基生叶鞘白色膜质边缘狭。小总苞片5个~8个，线形；小伞形花序有花15朵~25朵。果实长3mm~4mm (2) 田茴蒿 *Carum buriaticum* Turcz.

(1) 茴蒿 葛缕子 *Carum carvi* L. (图 1696 7~8)

二年生或多年生草本，高30cm~80cm，无毛。根圆锥状，肉质。茎直立，上部分枝。基生叶

Fig. 11: Hénán Zhíwù Zhì vol.3 p.150 (no.220)

2. 田葛缕子 (田黄蒿) (图 1160)

Carum buriaticum. Tvrcz. in

Bull. Soc. Nat. Mosc. 11: 92. 1838.

nom. nud. id. 17:713.1844. describ;

中国高等植物图鉴 2:1070. 图3869. 1972.

二年生草本，高 30—70 厘米，无毛。

根纺锤形，肥厚。茎直立，基部被淡褐色
基生叶残迹。基生叶具长柄，轮廓长圆状

Fig. 12: *Héběi Zhíwù Zhì* vol.2 p.256 (no. 221)

系 14. 菊蒿系 —— Ser. 14. Paniculigerae Poljak. Фл. СССР 26: 487. 1961. —

Artemisia Subsect. *Glochistigma* Kitam. in Act. Phytotax. Geobot. 8: 63. 1939. p. p.

多年生草本。茎、枝、叶两面初时被稀疏的丝状绒毛或柔毛，后叶背留有疏短柔毛，
其余无毛。茎中部叶不分裂，边缘具数枚疏锯齿或浅裂齿。头状花序直径 3—3.5 毫米，在
茎上端排成圆锥花序，两性花花柱钝尖。

本系我国有 1 种。

106. 菊蒿 (神农本草经) 菊蒿子、菊间、覆间、菊芦、菊蒿 (神农本草经、本草纲目)，
臭蒿 (药材资料汇编)，庵蒿 (吉林) 图版 20: 1—7

Fig. 13: *Zhōngguó Zhíwù Zhì* vol.76 p.146 (no. 222)

1. 荚子梢 (图 591)

Campylotropis macrocarpa (Bge.) Rehd. in Sarg. Pl. Wils. 2:113. 1916.



图 591 荚子梢 *Campylotropis macrocarpa*

落叶灌木。株高 1~2.5 米。幼枝上密生白色短柔毛。叶为三出羽状复叶，叶柄长 2~4 厘米，托叶线状披针形。顶生叶比侧生叶大，椭圆形，长 3~6.5 厘米，宽 1.5~4 厘米，先端圆或稍凹，有短尖，基部圆形，全缘，上面无毛，下面有柔毛。总状花序，腋生，或数枝总状花序组成顶生圆锥花序。花梗细长，苞片早落。花为三角状镰刀形或半月形。萼筒状钟形，长约 2 毫米；萼齿 5，上面 2 齿合生，下面 3 齿分离，比萼筒短。花冠紫色，长约 10 毫米。荚果，斜椭圆形，长 1~1.5 厘米，有网纹，先端具短喙。花期 8~9 月，果期 9~10 月。

见于昌平县南口、海淀区金山和西山、门头沟区潭柘寺、房山县上方山及其他区、县。生于山坡、沟谷、灌丛或林缘。分布于东北、华北、西北、华东及湖北、四川等省、区。

Fig. 14: *Běijīng Zhíwù Zhì* vol.1 p.468 (no. 223)

2. 荚子梢 (图 67)

Campylotropis macrocarpa (Bge.) Rehd. in Sarg. Pl. Wils. 2:113. 1914; 中国主要植物图说——豆科 543. f. 539. 1955; 中国高等植物图鉴 2:467 f.2663. 1972——*Lespedeza macrocarpa* Bge. in Mém. Acad. Sci. St. Pétersb. 2: 92. 1833——*Campylotropis chinensis* Bge. Pl. Mongh.-Chin. 7. 1835.

灌木，高 1—2.5 米。幼枝近圆柱形，密被白色短柔毛。小叶长圆形，椭圆形或微卵形，

Fig. 15: *Qínlíng Zhíwù Zhì* vol.1 p.85 (no.224)

Zengbu Man-Han zhuanzihui. 1762. RM 166.

A dictionary of Chinese characters. Compiled by Mei Yingzuo (c.1570-?) in 1615. This edition also gives the seal script form and a phonetic reading in the Manchu script for most characters. Appended are two tables by Mei Yingzuo of the possible phonetic combinations in Chinese, one arranged by rhyme and the other by alliteration. Cf. Simon & Nelson, *Manchu Books in London* II.14.

ff. 3, 3, 6, 29, 54, 51, 50, 51, 52, 53, 69, 66, 61, 71, 55, 54, 45.

RM CK494.13 166. 20 fascs. in 3 vols. 23.5 cm.

《增補滿漢篆字彙》十二集，首一卷，末一卷。（明）梅膺祚音釋，（明）廖百子（廖文英）纂輯。

清乾隆二十七年（1762）刻本，帶月樓藏版。

版式：版框 20.5 x 14.3 公分；四周單邊；11行20字，小字雙行36字。

扉頁：鐫“乾隆壬午〔27年〕春刻；梅挺生先生原本；帶月樓藏板；《增補滿漢篆書字彙》”。

內容：末卷收《韻法直圖》、《韻法橫圖》。

序跋：康熙壬子（11年）龔鼎孳序。



Zengbu Man-Han zhuanzihui 增補滿漢篆字彙 (RM CK494.13 166): title-page.

Fig. 16: West 1998 p.16 (no.225)

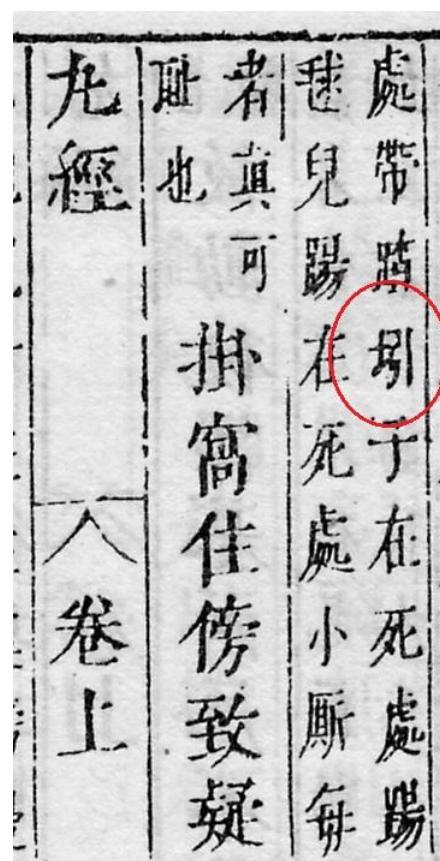


Fig. 17: *Wánjīng shàng*:2a (no.226)