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Title:	Suggestions in encoding Taoist Secret Characters
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1. Suggestions

To encode only the **Secret Names (诗名)** of famous Taoist gods and ghosts under the rule of multiple evidences after careful studies. Not to encode other Taoist Secret Characters used in Taoist talismans or incantations in CJKUI.

2. Introduction

Taoist talismans (道教符箓) have been widely used to eliminate disasters, evils and misfortunes in China. To make the talismans seem authoritative and more effective, Taoist priests always create **Secret Characters (诗字, also called 讳秘字)** or patterns, make the strokes more crooked or cursive and add decorative strokes to base characters.

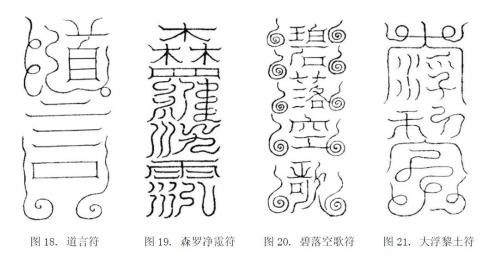


Fig.1 Different ways to make Taoist talismans seem authoritative 滕媛:《中国道藏符箓图像研究》,南京艺术学院博士学位论文,P24

A Taoist talisman can be complicated with many Secret Characters, patterns and decorative strokes or be composed of a single Secret Character.

从左往右



Fig.2 A complicated Taoist talisman found in 《正统道藏》 高欣:道教符箓的视觉文化特征,炎黄地理,2021(04):117-120

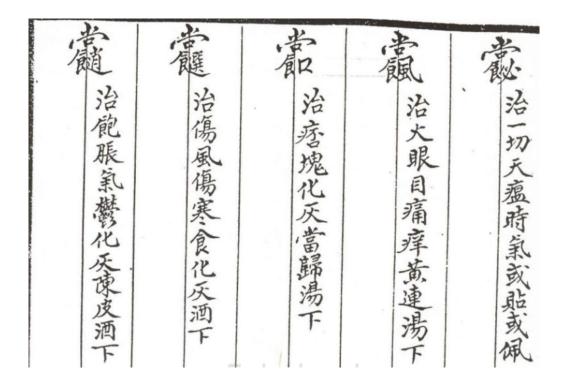


Fig.3 Simple Taoist talismans containing only one Secret Character 《轩辕碑记医学祝由十三科》,民国三年(1914)上海锦章图书局出版

Since a Taoist talisman can be a single Secret Character, the names of different parts of a Taoist talisman, i.e. **head (符头)**, **heart (符窍)**, **foot (符脚)**, can be also applied to describe Secret Characters. Normally, a Secret Character contains head and foot but written heart.

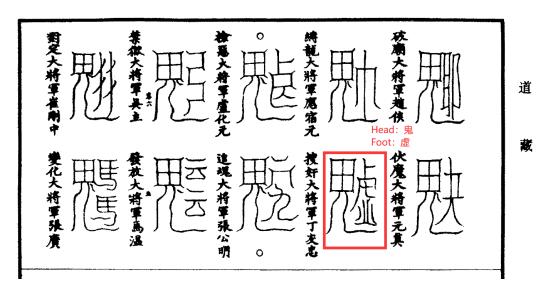


Fig.4 The head and foot of a Single-Character Taoist talisman 《高上神霄玉清真王紫书大法》卷六,载《正统道藏》第二十八册, P606

The Secret Names (i.e. the Secret Characters used to represent their names) of Taoist gods and ghosts can be used as normal Secret Characters as well. The following talisman is composed of three Secret Names of Taoist gods. The talisman has only heart, but head or foot. "三清帝令入吾 水中, 助我退病" is the incantation of the talisman.



Fig.5 A Taoist talisman using Secret Names of Taoist gods 清代符咒手抄本(A handwritten copy of Taoist talisman Written in Qing Dynasty)

Because 玉清、上清、太清 are very significant gods in the system of Taoist mythologies, the forms of their Secret Names vary little. The other Secret Characters created for Taoist talisman, however, are variable and created much more casually.

Fig.6 shows a Taoist talisman used to stop bleeding. If the "雨" and "鬼" of the four Secret Characters are excluded, we can get a word meaning "copper skin and iron bone (铜皮铁骨)".

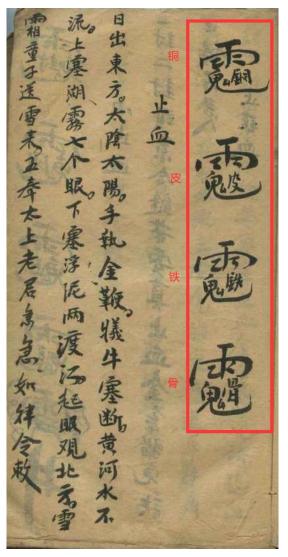


Fig.6 A Taoist talisman used to stop bleeding

Fig.7 shows another Taoist talisman used to court. If the "雨" and "鬼" are excluded, we can get words like "牵动女心(get the girl moved)" and "和合思"(hope it goes smoothly). This means the foot of Secret Characters can vary as the Taoist priests like, which indicates the encoding of the Secret Characters is endingless.

Fig.7 A Taoist talisman used to court

What's more, the head of Secret Characters can vary, too. It depends on the usage, effect, sect, etc. of the talisman. Fig.8 shows different Secret Characters with the same foot. The head depends on weather or usage.

未應却書一號於兩翅中間至三則極盡右玉諱三箇不可輕用乃上帝親機行符 斎 斎諭 封符玉劄	電點電整>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
盖符	0

Fig.8 Different Secret Characters with same foot

《道法会元》卷八三,载《正统道藏》第二十九册,P333

Fig.9 shows Secret Characters using 雨 and 食 as head, with the foot saying "Let cloud, dragon, wind and tiger beat the crazy beast (云龙风虎降猛兽)". The talisman is used to cure dog bites.

石 津於思處如此之過七字俱完其委自消神 七字在狗交患處用老君創訣即 咒」通随即写一字於患處即向太陽双氣 食指中

Fig.9 The head composed of 雨 and 食

符咒手抄本 (A handwritten copy of Taoist talisman)

According to the above, it's not possible nor reasonable to encode Taoist Secret Characters one by one in CJKUI.

3. Encoding suggestions

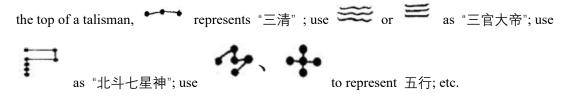
First, I'd like to respond to two opinions.

The one saying "Taoist Secret Characters is the same with other CJKUIs and can be used among them". After reading the text, I think it's very clear that the fact is the opposite. And "can be used among CJKUIs" does not mean anything. For example: "③"是个笑脸, 用于表达快乐的心情,可以读作"笑"。(③ is a smiling face used to express your happiness. You can read it as "smile".)

The other saying "We have encoded some Taoist Secret Characters so we can encode more". In my opinion, it's a little ridiculous. An improper analogy would be to commit a crime: I have been in prison so I can break the law again. We have encoded some duplicates in CJKUI, but I believe none of us want to encode more. Let's go back to the point. For Taoist Secret Characters, considering the Secret Names of famous Taoist gods and ghosts are stable and the amount of them is limited, I suggest we encode just these characters in CJKUI. Moreover, the characters appear in Taoist incantations can be related to the Secret Characters thus the necessity to study them carefully first.

Instead of encoding Taoist Secret Characters one by one, we should seek other ways to solve the problem. Since there are several heads of Taoist Secret Characters, I think a new encoding model or solving the problem in other level, for instance, type setting may be preferred.

Moreover, some common symbols in Taoist talismans can be encoded. For example, when used at



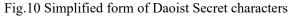
4. Problems we may face

Here are some kinds of problems we will meet if my suggestions are accepted. If we decide to encode Taoist Secret Characters characters one by one, the problems will become much more difficult to solve.

4.1 Simplified form

Daoist Secret characters often contain CJKUIs as its elements, so they can be simplified as well. For example, the Secret Names of the gods of The Big Dipper:





Source: https://m.wang1314.com/doc/webapp/topic/21005862.html

If we decide to encode just the Secret Names of famous Taoist gods and ghosts, it's OK to encode the simplified ones if proper evidences are provided.

4.2 Which Secret Characters to choose

There are many gods or ghosts in the system of Taoist mythologies while people keep creating new ones, especially the demons that need to be swept. It's hard to decide which is famous and which is not. I suggest we involve experts of Taoist Secret Characters in related work. Note that there are other compound characters used to represent gods or ghosts. I don't know how to handle these ones. For example, Secret Characters appear in Fig.11 and Fig.12.

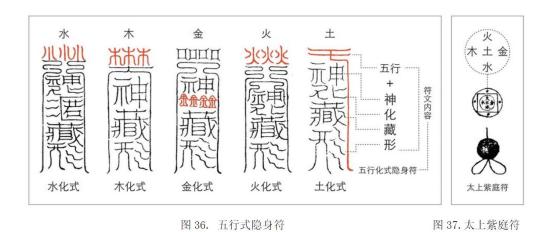


Fig.11 Secret characters composed of duplicate CJKUIs

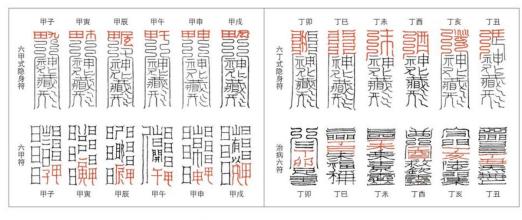


图 32. 六甲六丁神符举例

Fig.12 Secret characters composed of different CJKUIs

4.3 Variant

I'd like to use the Secret Name of Yu Huang, i.e. Yu Di $(\Xi \stackrel{1}{2}$, also called $\Xi \stackrel{1}{R}$) as an example.

1) The <u>UK-20704</u> (目雨□言□冂勹玉) in IRG WS2021:

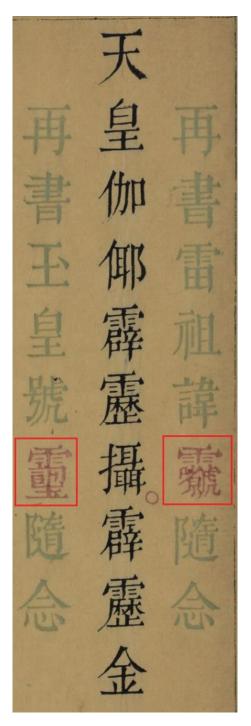


Fig.13 Evidence of UK-20704

2) In 《广成仪制•玉帝正朝集》, P101. Note that 《广成仪制》 is also used as UK source of evidence but this shape is not included in UK submission.

Fig.14 The Secret Name of Yu Huang in《广成仪制•玉帝正朝集》

3) A wooden token selling online

•,•



Fig.15 The Secret Name of Yu Huang in a wooden token selling online

4) The Secret Name of Yu Huang in a handwritten copy of Daoist Secret characters. Note that the missing stroke of the character is not meaningless.

AB 大い内明日 民 耀光宝祖系 B t , ۲ 1-12-1-1 E 白王 計 西 Ŧ 第ロをころおを日とろ E

Fig.16 The Secret Name of Yu Huang in a handwritten copy of Daoist Secret characters

5) Another wooden token selling online



Fig.17 The Secret Name of Yu Huang in another wooden token selling online

What's more, FYI, UK-20697, UK-20682 and UK-20766 have the similar structure.

Other Secret Names have the same problem as well. For example, The Secret Name of Tai Yin $(\pm$

廣 = E > 成成 喻虎 对 月肉 ŕ 水斗 金寅 司唱 儀制 名名 天罡发 按 地支名洪字 皇 此 地 F 雷 此 痴 天千 南 諱 乃 乃 此 祖 天罡 太陰隱諱 北二丰)L 按 7 乃 \wedge 死 諱 名 #字 Ŧ 其 音 甯 帝 Ŧ 隱 正諱 天罡 按 应 皇 名呼字 帝 隠諱 宜音 > I ж 大 道 寶 伯 Ē 朝 宮之敷 火 按 H Н Ŧ 集 乃 祖音 天干名烟字 天罡 按 ٦J 此 天 乃 地 名官此 寶 名惠 罡 母 支 太陽 你北乃 金更 名 諱 諱 字丰紫 爾音 百 字 8 按 九 又四微 睻 隱 隐諱 天皇 小 天 師 即聖諱 副正 字 諱 名 字南拔 亂不 丰三 行可 極 南

Fig.18 The Secret Name of Tai Yin in《广成仪制•玉帝正朝集》

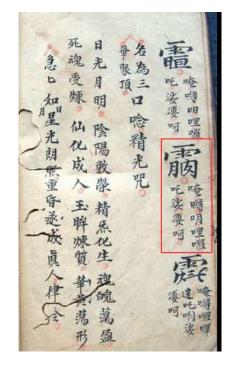


Fig.19 The Secret Name of Tai Yin in a handwritten copy of Daoist Secret characters

六十	十甲子阴	含陽符	家名諱利	六十甲子陰陽符篆名諱秘字										
戊午黎卿	王子丘德	丙午文哲	庚子盧秘	甲午章词	戊子柳繪	壬午陸明	丙子郭嘉	庚午王濟	甲子金辨					
家	涩	密	瀘	躍	「ふる	富家	雷	霍	露					
大面	大德	大五	大教	大高	大錢	大明	大嘉	大濟	犬辨					
已未傳黨	癸丑朱得	丁未缪丙	辛丑楊信	乙未暢仙	己丑傳佑	癸未總仁	丁丑汪文	辛未李素	乙丑陳材					
富金	雷军	「國家	深	濕	「富富	露	源	露	記録					
光堂	天江	大街	光道	大山	大石	和	光宝	光玉	入我					
庚申毛梓	甲寅張朝	戊申徐浩	壬寅賀鍔	丙申管仲	庚寅朝桂	甲申方傑	戊寅鲁先	壬申劉旺	丙寅耿章					
雷	靈	森	蜜	睿	癫	露	語を	调	霸					
天春	犬勤	天海	天皇	无耻	大粒	大強	彩	和	、是					
辛酉石政	乙卯萬清	己酉程寶	葵卯皮時	丁香唐傑	辛卯范寧	乙酉蔣崇	己卯龍仲	癸酉康志	丁卯沈川					
雷	「富富	露	雷	雷	「ない	露	盛	富	家					
大政	大温	大電	鷵	犬屬	大生	光堂	大街	大王	入興					
壬戌洪充	两辰辛亞	庚戌倪秘	甲辰李誠	戊戌姜武	王辰彭泰	丙戌白敏	庚辰董德	甲戌施廣	戊辰趙討					
富金	湿室	認行	露	富全	雷	雷	四番	濕	品類					
光光	麅	大私	大藏	大王	大王	犬函	犬意	大唐	大達					
癸亥虞程	丁已楊彥	辛亥莱堅	乙巳吳遂	己亥謝太	癸巳徐單	丁亥封清	辛巴麵但	乙亥任保	己已郭璘					
137	深	涩蜜	露	い	客	露	富新	雷军	富					
光窗	大意	天靈	大逐	天天	天軍	大藩	大道	大保	大法					

When the structure becomes more complicated, the number of its variant may become very large.

Fig.20 The Secret Names of 60 Jia Zi

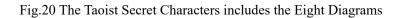
Source: https://page.om.qq.com/page/O7RvbAGIJ5dCOD31hSIEXWCA0

4.4 Characters with non-CJKUI components

For example, <u>UK-20710</u>. The provided IDS of UK-20710 is " \Box 雨□□白儿□三三", the fact is, however, that □三三 is Ξ (U+2637, 坤卦). I don't think it's proper to say this is a normal CJKUI.

There are more this	kin	d of	chai	racte	ers c	olle	cted	in	(ì	首教	讳利	小字-	专用	造	字集》	»:
																_

824x	鬣	魒	麗	飋	麗	驪	龗	鼆	麅	臟	麗	ء	飅	滬	颬	麗
	颷	魒	癯	靉	飀	黀	齏	豳	飀	鱖	黀	ゎ	飅	醢	靂	鱷
825x -	霮	靈	驪	驪	鬣	麗	驪	驪	霢	靈	魎	麗	驪	驪	冟	ء
	靂	醠	飅	飅	靈	颬	聽	靈	麗	靈	魍	飅	龗	飄	霓	霓
826x	ء	麗	麗	麗	麀	麗	麗		驙	鼊	駫	飅	剋	謟	騮	勳
	麀	霓	魍	麀	霓	霓	靈	感	電	鱈	氈	醄	酏	醅	魍	兙
827x	觛	颲	魁	蓜	魎	讈	鼆	諷	颳	麗	龗	融	驙	麗	巖	
	觛	魍	魁	麀	麗	颲	噩	飅	颲	麗	遭	酈	聽	聽	麗	



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