

大谷大学所蔵西蔵文献目録のオンライン  
データベース化について

資料編

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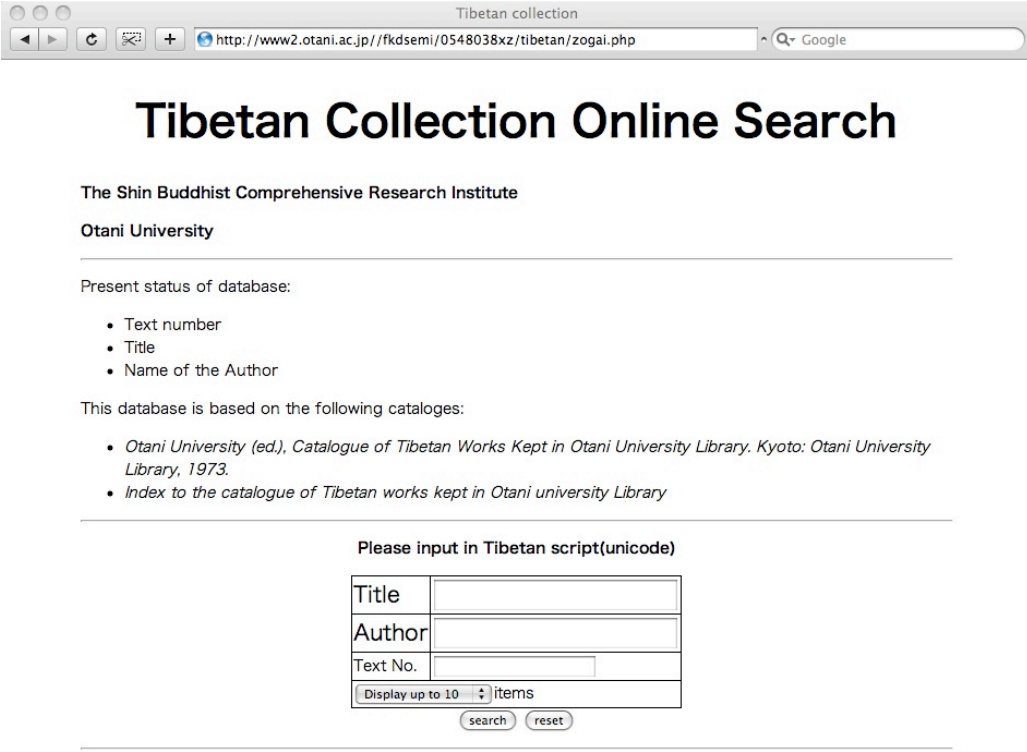
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## 1 資料1：サイト構成

概要	名前	種類
トップページ、検索語句の入力を行う	zogai.php	PHPファイル
検索処理、表示を行う	zogai_result.php	PHPファイル
key_letter 一覧検索、表示を行う	zogailist.php	PHPファイル
デザイン処理を行う	zogai.css	CSSファイル
データベースの定義を行う	zogai.sql	SQLファイル
文献データ	zogai_data.sql	SQLファイル

### (1) 図1：トップページ



The screenshot shows a web browser window with the URL <http://www2.otani.ac.jp/fkdsemi/0548038xz/tibetan/zogai.php>. The page title is "Tibetan collection". The main heading is "Tibetan Collection Online Search". Below this, it identifies the organization as "The Shin Buddhist Comprehensive Research Institute" and "Otani University". It provides the "Present status of database:" as a list of fields: Text number, Title, and Name of the Author. It also states "This database is based on the following cataloges:" and lists two sources: "Otani University (ed.), Catalogue of Tibetan Works Kept in Otani University Library. Kyoto: Otani University Library, 1973." and "Index to the catalogue of Tibetan works kept in Otani university Library". A search section titled "Please input in Tibetan script(unicode)" contains input fields for "Title", "Author", and "Text No.", a dropdown menu for "Display up to 10 items", and "search" and "reset" buttons. The footer contains the copyright notice: "Copyright: (c) 2008, Tibetan Works Research Project, Otani University Shin-Buddhist Comprehensive Research Institute".

(i) 図 2 : 検索結果

Back to [TOP](#)

Title	藏
Author	ོང
Text No.	18
Display up to 10	items
<input type="button" value="research"/>	

Search result:  
22 of [1-10] records retrieved

[\[Next 10.\]](#)

Text no	10018
Title	བྱང་ལྷན་ལམ་གྱི་རིམ་པའི་བརྒྱུད་པ་རྣམས་ལ་གསོལ་བ་འདེབས་པའི་རིམ་པ་ལམ་མཚོ་གསོལ་བྱེད་ཅེས་བྱ་བ།
Author	ོང་ལ་པ་ལྷོ་བཟང་གྲགས་པ།

Text no	10018
Title	ཚོས་ཀྱི་ཇི་རིན་པོ་ཆེ་གྲགས་པ་བྱང་ལྷན་དཔལ་བཟང་པོལ་གསོལ་བ་འདེབས་པའི་ཚུལ།
Author	ོང་ལ་པ་ལྷོ་བཟང་གྲགས་པ།

Text no	10018
Title	ཚོས་ཀྱི་ཇི་གྲགས་པ་བྱང་ལྷན་དཔལ་བཟང་པོའི་ཆེ་བའི་ཡོན་ཏན་རྒྱ་མཚོ་ལྷ་སུལ་ས་ཁུ་ཐིགས་ཅོམ་ཞིག་སྤངས་ཏེ་བྱ་དཀའ་བའི་ཚུལ་གྱིས་སྦྱར་བ།
Author	ོང་ལ་པ་ལྷོ་བཟང་གྲགས་པ།

(ii) 図 2 - 2 : windows での検索結果

Back to [TOP](#)

Title	མཛ
Author	ལེ
Text No.	18
Display up to	10 items
<input type="button" value="research"/>	

**Search result:**  
22 of [1-10] records retrieved

[\[Next 10\]](#)

Text no	10018
Title	བྱང་ཆུབ་ལམ་གྱི་རིམ་བཞི་བརྒྱུད་པ་ན་མཁའ་ལ་གསོལ་བ་འདེབས་པའི་རིམ་བཞི་མཛོག་ལྷོ་འབྲེད་ཅེས་བྲམ་བཤམ།
Author	ཚོང་ལ་པ་ལྷོ་བཟང་གཤགས་པ།

Text no	10018
Title	ཚོས་གྱི་རྗེ་རིན་པོ་ཆེ་གཤགས་པ་བྱང་ཆུབ་དབལ་བཟང་པོ་ལ་གསོལ་བ་འདེབས་པའི་རྒྱལ།
Author	ཚོང་ལ་པ་ལྷོ་བཟང་གཤགས་པ།

Text no	10018
Title	ཚོས་གྱི་རྗེ་གཤགས་པ་བྱང་ཆུབ་དབལ་བཟང་པོའི་ཆེ་བའི་ཡོན་ཏན་རྒྱ་མཚོ་རྣམ་ལས་ཆུ་ཐེགས་ཙོམ་ཞིག་ལྷངས་ཏེ་བྱང་ཆུབ་པའི་རྒྱལ་གྱིས་རྒྱུར་བཤམ།
Author	ཚོང་ལ་པ་ལྷོ་བཟང་གཤགས་པ།

(2) 図3 : key\_letter 一覧表

The screenshot shows a web browser window titled "Tibetan collection" with the URL <http://www2.otani.ac.jp/fkdsemi/0548038xz/tibetan/zogai.php>. The page content includes:

**Otani University**

Present status of database:

- Text number
- Title
- Name of the Author

This database is based on the following catalogues:

- *Otani University (ed.), Catalogue of Tibetan Works Kept in Otani University Library. Kyoto: Otani University Library, 1973.*
- *Index to the catalogue of Tibetan works kept in Otani university Library*

Please input in Tibetan script(unicode)

Title	<input type="text"/>
Author	<input type="text"/>
Text No.	<input type="text"/>
Display up to 10 items	
<input type="button" value="search"/> <input type="button" value="reset"/>	

**key\_letter list**

<a href="#">ka</a>	<a href="#">kha</a>	<a href="#">ga</a>	<a href="#">nga</a>
<a href="#">ca</a>	<a href="#">cha</a>	<a href="#">ja</a>	<a href="#">nya</a>
<a href="#">ta</a>	<a href="#">tha</a>	<a href="#">da</a>	<a href="#">na</a>
<a href="#">pa</a>	<a href="#">pha</a>	<a href="#">ba</a>	<a href="#">ma</a>
<a href="#">tsa</a>	<a href="#">tsha</a>	<a href="#">dza</a>	<a href="#">wa</a>
<a href="#">zha</a>	<a href="#">za</a>	<a href="#">'a</a>	<a href="#">ya</a>
<a href="#">ra</a>	<a href="#">la</a>	<a href="#">sha</a>	<a href="#">sa</a>
<a href="#">ha</a>	<a href="#">A</a>		

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(i) 図4 : key\_letter 結果表示

Back to [TOP](#)

ka	kha	ga	nga
ca	cha	ja	nya
ta	tha	da	na
pa	pha	ba	ma
tsa	tsha	dza	wa
zha	za	'a	ya
ra	la	sha	sa
ha	A		

Display up to 10 items Re-display

『ᲀ』 list

155 of [1-10]records retrieved

[\[Next 10\]](#)

Text no	10018
Key_letter	ᲀ
Title	སྐྱལ་བསྐྱོད་སྐབས་ཏེ་དང་པོ།
Author	ཚོང་ཁ་པ་ལྷོ་བཟང་གཤམ་པ།

Text no	10018
Key_letter	ᲀ
Title	བཀྲ་ཤིས།
Author	ཚོང་ཁ་པ་ལྷོ་བཟང་གཤམ་པ།

## 2 参考サイト

### (1) 図5：新北京版チベット大蔵経目録検索トップページ

The screenshot shows the 'Peking Tripitaka Online Search' website. At the top, it identifies the organization as 'The Shin Buddhist Comprehensive Research Institute' and 'Otani University'. Below this, it states the 'Present status of database:' and lists search criteria: 'Titles in Tibetan and Sanskrit', 'Name of the Author(in Tibetan and Sanskrit), Translator, Revisor', and 'Concordance of numbers of Peking, Derge, Golden Manuscript (bstan gyur)'. It also mentions the database is based on two catalogues from 1930-1932 and 1965-1997. A search interface is shown with a dropdown menu for 'Display in' (Tibetan/Roman script) and a list of search options: Title(Tibetan), Title(Roman), Sanskrit title(Roman), Author/Translator/Revisor(Tibetan/Sanskrit), Author/Translator/Revisor(Roman), Peking No., and Derge No. Below the search box, there are detailed instructions for various search terms like [P. No.], [D. No.], [N], [Kinsha], [A], [Tr], and [Rev]. The footer contains the copyright information: 'Copyright: (c) 2005, Tibetan Works Research Project, Otani University Shin-Buddhist Comprehensive Research Institute'.

**Peking Tripitaka Online Search**

The Shin Buddhist Comprehensive Research Institute  
Otani University

Present status of database:

- Titles in Tibetan and Sanskrit
- Name of the Author(in Tibetan and Sanskrit), Translator, Revisor
- Concordance of numbers of Peking, Derge, Golden Manuscript (bstan gyur).

This database is based on the following catalogues:

- *A Comparative Analytical Catalogue of the Kanjur Division of the Tibetan Tripitaka: Edited in Peking during the K'ang-hsi Era, and At Present Kept in the Library of the Otani Daigaku Kyoto*, 3 vols., The Otani Daigaku Library, Kyoto, 1930-1932.
- *A Comparative Analytical Catalogue of the Tanjur Division of the Tibetan Tripitaka, Kept in the Otani University Library and At Present Reprinted under the Supervision of the Otani University*, 9 vols., 1965-1997.

Display in  Tibetan  Roman script

Title(Tibetan)  
 Title(Roman)  
 Sanskrit title(Roman)  
 Author/Translator/Revisor(Tibetan/Sanskrit)  
 Author/Translator/Revisor(Roman)  
 Peking No.  
 Derge No.

search reset

- Tibetan Title (Extended Wylie transcription system) / (Sanskrit title in KH Sanskrit transcription system)
- [P. No.] = Location in Peking Edition: Otani number, section name, poti and start page of the text.
- [D. No.] = Location in Derge Edition: Tohoku number, section name, poti and start page of the text.
- [N] = Location in Nartang Edition: Poti and folio number first page of each text.
- [Kinsha] = Location in Golden Manuscript Tenjur: Text Number (see Shin'ichiro Miyake, "Comparative Table of the Manuscript Tenjur in dGa'-ldan Monastery with the Peking Edition of Tenjur", *Annual Memoirs of the Otani University Shin Buddhist Comprehensive Research Institute*, no. 17, 2000, pp.1-65), Section name, poti and start page of the text.
- [A] = Author: Tibetan Name / (Sanskrit name in KH Sanskrit transcription system)
- [Tr] = Translator
- [Rev] = Revisor

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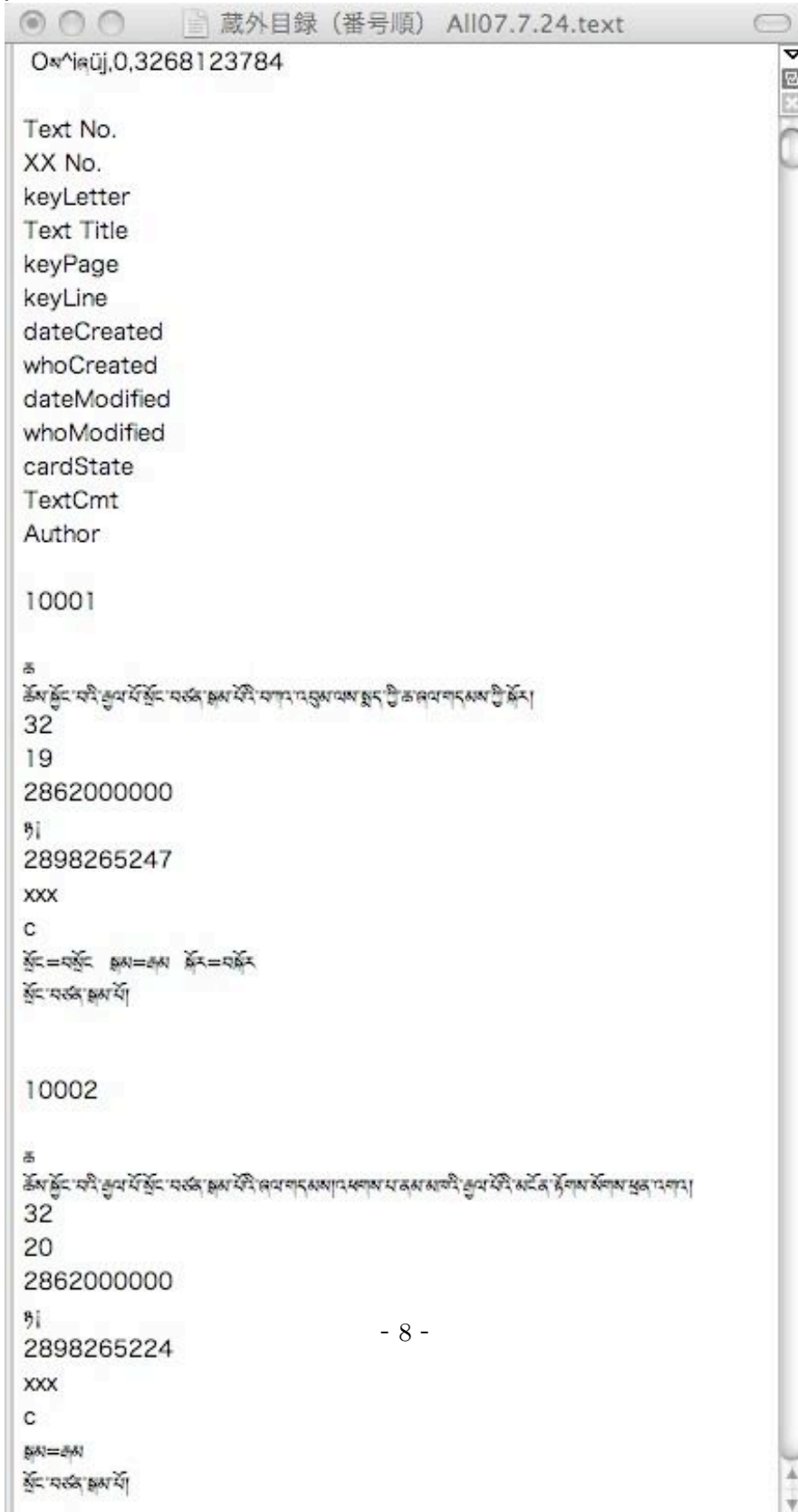




3 文献のデータベース化

(1) データベース化の流れ

(i) 図8：基のテキストデータ



(ii) 資料3 : split.py

```
#!/usr/bin/env python
# -*- coding:utf-8 -*-

f = open("zogai.txt", "rU")
line = f.readline()
i = 0
while line != "":
    i += 1
    #print line,
    items = line.split('\t')
    num = len(items)
    if num < 13:
        print "*****", i, line
    else:
        print "insert into zogai (text_no, key_letter, title, author) values (" + items[0] + "," + items[1] + "," + items[2] + "," + items[3] + "," + items[4] + "," + items[5] + "," + items[6] + "," + items[7] + "," + items[8] + "," + items[9] + "," + items[10] + "," + items[11] + "," + items[12] + ");"
        line = f.readline()
f.close()
```

(iii) 図9 : タブ区切りで処理されたデータ

Line No.	Text No.	Key Letter	Title	Author	Text No.	Key Letter	Title	Author	Text No.	Key Letter	Title	Author
1	10001	32	19	2862000000	^	lg	~	Sj	2898265247	xxx	c	
2	10002	32	20	2862000000	^	lg	~	Sj	2898265224	xxx	c	
3	10003	34	9	2862000000	^	lg	~	Sj	2898265102	xxx	c	
4	10004	97	21	2847830400	^	Ke	~	Rn	2898265093	xxx	c	
5	10005	97	22	2847830400	^	Ke	~	Rn	2898265085	xxx	c	
6	10007	2	2861827200	^	lg	~	Sj	2897602406	xxx	c		
7	10008	130	26	2847830400	^	Ke	~	Rn	2897516528	xxx	c	
8	10009	40	23	2861827200	^	lg	~	Sj	2897516535	xxx	c	
9	10010	106	13	2847830400	^	Ke	~	Rn	2897516545	xxx	c	
10	10011	92	7	2847830400	^	Ke	~	Rn	2897516830	xxx	c	
11	10012	125	5	2847830400	^	Ke	~	Rn	2897516841	xxx	c	
12	10013	90	25	2847830400	^	Ke	~	Rn	2897516846	xxx	c	
13	10014	18	14	2862000000	^	lg	~	Sj	2897516852	xxx	c	
14	10015	18	3	2862000000	^	lg	~	Sj	2897516952	xxx	c	
15	10017	59	14	2861827200	^	lg	~	Sj	2897602432	xxx	c	
16	10018	36	15	2861827200	^	lg	~	Sj	2897602437	xxx	c	
17	10018	89	25	2847830400	^	Ke	~	Rn	2897602441	xxx	c	
18	10018	91	18	2847830400	^	Ke	~	Rn	2897602447	xxx	c	
19	10018	73	8	2847830400	^	Ke	~	Rn	2897602451	xxx	c	
20	10018	73	12	2847830400	^	Ke	~	Rn	2897602539	xxx	c	
21	10018	32	8	2862000000	^	lg	~	Sj	2897603252	xxx	c	

(iv) 図10 : データベースに挿入するデータの sql ファイル

```
insert into zogai (text_no, key_letter, title, author) values
("10001","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10002","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10003","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10004","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10005","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10007","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10008","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10009","  ", " ", " ");
insert into zogai (text_no, key_letter, title, author) values
("10010","  ", " ", " ");
```

(2) 資料4 : データベースの定義ファイル

```
drop database tibet;
create database tibet;
use tibet;
CREATE TABLE zogai (
  id INTEGER UNIQUE PRIMARY KEY NOT NULL AUTO_INCREMENT,
  text_no VARCHAR(255),
  key_letter VARCHAR(255),
  title TEXT,
  author VARCHAR(255)
);
```

#### 4 unicode による問題

##### (1) 図 1 1 : 結合文字

Title	ལྷ
Author	
Text No.	
Display up to 10 <input type="text" value="itmes"/>	
<input type="button" value="research"/>	

##### (i) 図 1 2 : 結合文字の検索結果

Text no	10018
Title	བྱང་རྒྱལ་ལམ་གྱི་རིམ་པའི་བརྒྱུད་པ་རྣམས་ལ་གསོལ་བ་འདེབས་པའི་རིམ་པ་ལམ་མཚོགས་སློབ་འཁྱེད་ཅེས་བྱ་བ།
Author	ཚོང་ཁ་པ་སློབ་མཚན་གཤམ་པ།

##### (2) 図 1 3 : 分離させた場合

Title	རྒྱལ་ལམ་
Author	
Text No.	
Display up to 10 <input type="text" value="itmes"/>	
<input type="button" value="research"/>	

##### (i) 図 1 4 : 分離した場合の検索結果

Text no	10001
Title	ཚོང་ཁ་སློབ་མཚན་པའི་རྒྱུད་པ་སློབ་མཚན་སློབ་མཚན་པའི་བཀའ་འབུམ་ལས་སློབ་ཀྱི་ཚ་ཞལ་གདམས་གྱི་སློབ།
Author	སློབ་མཚན་སློབ་མཚན་པ།

## 5 PHP、CSS ファイルのソース

### (1) 資料5 : zogai.php

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3
4 <html>
5 <head>
6 <meta http-equiv="Content-Type" content="text/html;CHARSET=UTF-8">
7 <title>Tibetan collection</title>
8 <link rel="stylesheet" href="zogai.css" text="text/css" title="基本CSS">
9 </head>
10 <body>
11 <h1>Tibetan Collection Online Search</h1>
12 <p class="bold">The Shin Buddhist Comprehensive Research Institute</p>
13 <p class="bold">Otani University</p>
14 <hr />
15 <p>Present status of database:</p>
16 <ul>
17 <li>Text number</li>
18 <li>Title</li>
19 <li>Name of the Author</li>
20 </ul>
21 <p>This database is based on the following cataloges:</p>
22 <ul>
23 <li><i>Otani University (ed.), Catalogue of Tibetan Works Kept in Otani
24 University Library. Kyoto: Otani University Library, 1973.</i></li>
25 <li><i>Index to the catalogue of Tibetan works kept in Otani university
26 Library</i></li>
27 </ul>
28 <hr />
29 <p class="annotations">Please input in Tibetan script(unicode)</p>
30 <form method="post" action="zogai_result.php">
31 <table class="searchbox">
32 <tr>
33 <td class="moji">Title</td>
34 <td><input class="text" type="text" name="title"></td>
35 </tr><tr>
36 <td class="moji">Author</td>
37 <td><input class="text" type="text" name="author"></td>
38 </tr><tr>
39 <td>Text No.</td>
40 <td><input type="text" name="text_no"></td>
```

```
41 </tr><tr>
42 <td colspan="2">
43 <select name="pagesize">
44     <option value="10" selected="selected">Display up to 10</
45 option>
46     <option value="20">Display up to 20</option>
47     <option value="50">Display up to 50</option>
48     <option value="100">Display up to 100</option>
49 </select></td></tr>
50 </table>
51 <div>
52 <input type="submit" value="search">
53 <input type="reset" value="reset">
54 </div>
55 </form>
56 <hr />
57 <p>Copyright: (c) 2008, Tibetan Works Research Project, Otani University
58 Shin-Buddhist Comprehensive
59 Research Institute</p>
60 </body>
61 </html>
```

(2) 資料6 : zogai\_result.php

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <?php
4 //データベースに接続
5 $connect = mysql_connect("localhost","tibet","");
6 if (!$connect){
7     die("<p class='error'>database connection fail</p>");
8 }
9 //mb_language("uni");//文字エンコードを指定
10 //mb_internal_encoding("utf-8");
11 //mb_http_input("auto");
12 //mb_http_output("utf-8");
13 mysql_query("SET NAMES utf8",$connect); //クエリの文字コードを設定
14 mysql_select_db("tibet");
15 ?>
16 <!--検索結果-->
17 <html>
18 <head>
19 <meta http-equiv="Content-Type" content="text/html;CHARSET=UTF-8">
20 <title>SEARCH RESULT</title>
21 <link rel="stylesheet" href="zogai.css" text="text/css" title="基本CSS">
22 </head>
23 <body>
24 <p>Back to <a href="zogai.php">TOP</a></p>
25 <?php
26 //データ受け取り
27 extract($_GET);
28 extract($_POST);
29 //入力されていない場合のエラー表示
30 if(!isset($page) and $title == "" and $author == "" and $text_no == ""){
31     die("<p class='error'>Please don't make data blank</p>");
32 }
33 //一文字しか入力されていないとエラー表示
34 if(mb_strlen($title, "UTF-8") == 1 or mb_strlen($author, "UTF-8") == 1){
35     die("<p class='error'>Please input two or more characters</p>");
36 }
37 //入力された文字の処理(タイトル)
38 if ($title != "") {
39     $title = preg_replace('/[ ]{2,}/', ' ', trim($title));
40     $title_array = explode(" ", $title);
41     $title_re_pieces = "(" . implode("|", $title_array) . ")";
```



```
42 | $title_words = "title like '%$title_array[0]%'";
43 | $i = 1;
44 | $n = count($title_array) -1;
45 | while ($i <= $n){
46 | $title_words .= " and title like '%$title_array[$i]%'";
47 | $i++;
48 | }
49 | }
50 |
51 | //入力された文字の処理 (著者)
52 | if($author != ""){
53 | $author = preg_replace('/[ ]{2,}/', ' ', trim($author));
54 | $author_array = explode(" ", $author);
55 | $author_re_pieces = "(" . implode("|", $author_array) . ")";
56 | $author_words = "author like '%$author_array[0]%'";
57 | $i =1;
58 | $n= count($author_array) -1;
59 | while ($i <= $n){
60 | $author_words .= " and author like '%$author_array[$i]%'";
61 | $i++;
62 | }
63 | }
64 | //入力された文字の処理 (テキストNO)
65 | if($text_no != ""){
66 | $text_no = preg_replace('/[ ]{2,}/', ' ', trim($text_no));
67 | $text_no_array = explode(" ", $text_no);
68 | $text_no_words = "text_no like '%$text_no_array[0]%'";
69 | $i =1;
70 | $n= count($text_no_array) -1;
71 | while ($i <= $n){
72 | $text_no_words .= " and text_no like '%$text_no_array[$i]%'";
73 | $i++;
74 | }
75 | }
76 |
77 | //クエリの作成、初回件数検索
78 | if (!isset($page)) {
79 |     $page = 1;
80 |     $sql = "select * from zogai where ";
81 |     if($title_words != ""){
82 |         $sql =$sql . $title_words;
```

```
83 | }
84 | if($author_words != ""){
85 |   if($title_words != ""){$sql = $sql . " and ";}
86 |   $sql = $sql . $author_words;
87 | }
88 | if($text_no_words != ""){
89 |   if($title_words != "" or $author_words != ""){$sql = $sql . " and ";}
90 |   $sql = $sql . $text_no_words;
91 | }
92 | $result = mysql_query($sql,$connect);
93 | $rows = mysql_num_rows($result);
94 | }
95 | //件数表示の作成
96 | $totalpage = ceil($rows / $pagesize);
97 | $pagehead = "[" . ($pagesize * ($page - 1) + 1) . "-" . $totalpage);
98 | if($page < $totalpage){
99 |   $pagehead .= ($pagesize * $page) . "] records&nbsp;retrieved ";
100 | }else{
101 |   $pagehead .= "$rows] records&nbsp;retrieved ";
102 | }
103 |
104 | //本検索
105 | $sql = "select * from zogai where ";
106 | if($title_words != ""){
107 |   $sql = $sql . $title_words;
108 | }
109 | if($author_words != ""){
110 |   if($title_words != ""){$sql = $sql . " and ";}
111 |   $sql = $sql . $author_words;
112 | }
113 | if($text_no_words != ""){
114 |   if($title_words != "" or $author_words != ""){$sql = $sql . " and ";}
115 |   $sql = $sql . $text_no_words;
116 | }
117 | $sql .= " limit " . $pagesize * ($page - 1) . " , $pagesize";
118 | $result = mysql_query($sql,$connect);
119 |
120 | //リンクの設定
121 | $link = '';
122 | if($page > 1){
```

```
123 | $link .= "[<a href=¥"zogai_result.php?page=". ($page -1) .  
    "&rows=$rows&title=$title&author=$author&text_no=$text_no&pagesize=$pages  
    ize¥">". "Previous ${pagesize} </a>]";  
124 | ]  
125 | if($totalpage - $page == 1){  
126 | $link .= "[<a href=¥"zogai_result.php?page=". ($page +1) .  
    "&rows=$rows&title=$title&author=$author&text_no=$text_no&pagesize=$pages  
    ize¥">" . "Next " . ($rows -($totalpage -1) * $pagesize) . " </a>]";  
127 | ]  
128 | if($totalpage - $page !=1 and $totalpage > 1 and $page < $totalpage){  
129 |     $link .= "[<a href=¥"zogai_result.php?page=". ($page +1) .  
    "&rows=$rows&title=$title&author=$author&text_no=$text_no&pagesize=$pages  
    ize¥">" . "Next ${pagesize} </a>]";  
130 | ]  
131 |  
132 | //選択された表示件数を表示させる  
133 | $selected10 = $selected20 = $selected30 = $selected50 = $selected100 = "";  
134 | if($pagesize ==10){  
135 |     $selected10 = "selected=¥"selected¥"";  
136 | } elseif ($pagesize == 20) {  
137 |     $selected20 = "selected=¥"selected¥"";  
138 | } elseif ($pagesize == 50) {  
139 |     $selected50 = "selected=¥"selected¥"";  
140 | } elseif ($pagesize == 100) {  
141 |     $selected100 = "selected=¥"selected¥"";  
142 | }  
143 | //再検索フォーム表示  
144 | print <<< FORM_END  
145 | <form method=post action=zogai_result.php>  
146 | <table class="searchbox">  
147 | <tr><td class="moji">Title</td>  
148 | <td><input class="text" type="text" name="title" value="$title"></td>  
149 | </tr>  
150 | <tr><td class="moji">Author</td>  
151 | <td><input class="text" type="text" name="author" value="$author"></td>  
152 | </tr>  
153 | <tr><td>Text&nbsp;&nbsp;&nbsp;No.</td>  
154 | <td><input type="text" name="text_no" value="$text_no"></td>  
155 | </tr><tr>  
156 | <td colspan="2">  
157 | <select name="pagesize">
```

```
158 <option value="10" $selected10>Display up to 10</option>
159 <option value="20" $selected20>Display up to 20</option>
160 <option value="50" $selected50>Display up to 50</option>
161 <option value="100" $selected100>Display up to 100</optin>
162 </select>itmes</td></tr>
163 <tr><td colspan=2>
164 <input type="submit" value="research">
165 </td></tr>
166 </table>
167 </form>
168 FORM_END;
169
170 print "<p class='bold'">Search result:</p>";
171
172 //検索結果0件の場合エラー表示
173 if ($rows ==0) {
174     die("<p class='error'">There is no data</p>");
175 }
176 //検索結果が500件以上の場合エラーを返す
177 if($rows >= 500){
178     die("<p class='error'">There are 500 or more search results.
179 <br>
180 Please narrow down and search.</p>");
181 }
182
183 else {
184     print "<p>" . $rows . "&nbsp;of&nbsp;" . $pagehead . "</p>";
185     print"<p class='link'">" . $link . "</p>";
186
187     //データベースからデータを取り出す
188     while ($row = mysql_fetch_array($result)) {
189         $text_no = $row['text_no'];
190         $title = $row['title'];
191         $author = $row['author'];
192         //検索した語句に色を付ける
193         if ($title_re_pieces) {
194             $title = preg_replace($title_re_pieces, "<span>$0</span>",
195 $title);
```

```
195     }
196     if ($author_re_pieces) {
197         $author = preg_replace($author_re_pieces, "<span>$0</span>",
$author);
198     }
199
200     //結果表示
201     print <<< TABLE_END
202 <table class="result">
203 <tr><td class="midashi">Text no</td><td
class="text_no">$text_no</td></tr>
204 <tr><td>Title</td><td>$title</td></tr>
205 <tr><td>Author</td><td>$author</td></tr>
206 </table>
207 <br />
208 TABLE_END;
209 }
210     print "<p>" . $rows . "&nbsp;of&nbsp;" . $pagehead . "</p>";
211     print "<p class='link'" . $link . "</p>";
212 }
213 mysql_close($connect);
214 ?>
215 <p>Back to <a href="zogai.php">TOP</a></p>
216
217 </body>
218 </html>
```

(3) 資料7 : zogailist.php

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3
4 <?php
5 //データベースに接続
6 $connect = mysql_connect("localhost","tibet","");
7 if (!$connect){
8     die("<p class='error'>database connection fail</p>");
9 }
10
11 //mb_language("uni");//文字エンコードを指定
12 //mb_internal_encoding("utf-8");
13 //mb_http_input("auto");
14 //mb_http_output("utf-8");
15 mysql_query("SET NAMES utf8",$connect); //クエリの文字コードを設定
16 mysql_select_db("tibet",$connect);
17 ?>
18 <!--検索結果-->
19 <html>
20 <head>
21 <meta http-equiv="Content-Type" content="text/html;CHARSET=UTF-8">
22 <title>SEACH RESULT</title>
23 <link rel="stylesheet" href="zogai.css" text="text/css" title="基本CSS">
24 </head>
25 <body>
26 <p>Back to <a href="zogai.php">TOP</a></p>
27
28 <table class="list">
29 <tr><td><a href="zogailist.php?key=ㄐ">k</a></td>
30 <td><a href="zogailist.php?key=ㄎ">kha</a></td>
31 <td><a href="zogailist.php?key=ㄍ">ga</a></td>
32 <td><a href="zogailist.php?key=ㄎ">nga</a></td></tr>
33 <tr><td><a href="zogailist.php?key=ㄘ">ca</a></td>
34 <td><a href="zogailist.php?key=ㄔ">cha</a></td>
35 <td><a href="zogailist.php?key=ㄐ">ja</a></td>
36 <td><a href="zogailist.php?key=ㄑ">nya</a></td></tr>
37 <tr><td><a href="zogailist.php?key=ㄒ">ta</a></td>
38 <td><a href="zogailist.php?key=ㄒ">tha</a></td>
39 <td><a href="zogailist.php?key=ㄒ">da</a></td>
40 <td><a href="zogailist.php?key=ㄒ">na</a></td></tr>
41 <tr><td><a href="zogailist.php?key=ㄒ">pa</a></td>
```

```
42 <td><a href="zogailist.php?key=ㄨ" >pha</a></td>
43 <td><a href="zogailist.php?key=ㄨ" >ba</a></td>
44 <td><a href="zogailist.php?key=ㄨ" >ma</a></td></tr>
45 <tr><td><a href="zogailist.php?key=ㄨ" >tsa</a></td>
46 <td><a href="zogailist.php?key=ㄨ" >tsha</a></td>
47 <td><a href="zogailist.php?key=ㄨ" >dza</a></td>
48 <td>wa</td>
49 <tr><td><a href="zogailist.php?key=ㄨ" >zha</a></td>
50 <td><a href="zogailist.php?key=ㄨ" >za</a></td>
51 <td><a href="zogailist.php?key=ㄨ" >&rsquo;a</a></td>
52 <td><a href="zogailist.php?key=ㄨ" >ya</a></td></tr>
53 <tr><td><a href="zogailist.php?key=ㄨ" >ra</a></td>
54 <td><a href="zogailist.php?key=ㄨ" >la</a></td>
55 <td><a href="zogailist.php?key=ㄨ" >sha</a></td>
56 <td><a href="zogailist.php?key=ㄨ" >sa</a></td></tr>
57 <tr><td><a href="zogailist.php?key=ㄨ" >ha</a></td>
58 <td><a href="zogailist.php?key=ㄨ" >A</a></td></tr>
59 </table>
60 <br />
61
62 <?php
63 //データ受け取り
64 extract($_GET);
65 extract($_POST);
66 //ページのサイズ
67 if(!isset($pagesize)){
68 $pagesize = 10;
69 }
70
71 //クエリの作成、初回件数検索
72 if (!isset($page)) {
73 $page = 1;
74 $sql = "select * from zogai where key_letter='$key'";
75 $result = mysql_query($sql,$connect);
76 $rows = mysql_num_rows($result);
77 }
78
79 //件数表示
80 $totalpage = ceil($rows / $pagesize);
81 $pagehead = "[" . ($pagesize * ($page - 1) + 1) . "-";
82 if($page < $totalpage){
```

```
83 | $pagehead .="($pagesize * $page) ."]records&nbsp;retrieved ";
84 | }else{
85 |   $pagehead .="$rows]records&nbsp;retrieved ";
86 | }
87 |
88 | //本検索
89 | $sql = "select * from zogai where key_letter= '$key' limit " .
    $pagesize * ($page -1) . ", $pagesize";
90 | $result = mysql_query($sql,$connect);
91 |
92 | //リンク設定
93 | $link = '';
94 | if($page > 1){
95 |   $link .= "[<a href='\"$\"zogailist.php?page=" . ($page -1) .
    "&rows=$rows&key=$key&pagesize=$pagesize\">\". \"Pravious ${pagesize}
    </a>]\"";
96 | }
97 | if($totalpage - $page == 1 ){
98 |   $link .= "[<a href='\"$\"zogailist.php?page=" . ($page +1) .
    "&rows=$rows&key=$key&pagesize=$pagesize\">\" .\"Next \" . ($rows
    -($totalpage -1) * $pagesize) .\" </a>]\"";
99 |   }
100 | if($totalpage - $page !=1 and $totalpage > 1 and $page < $totalpage){
101 |   $link .= "[<a href='\"$\"zogailist.php?page=" . ($page +1) .
    "&rows=$rows&key=$key&pagesize=$pagesize\">\" .\"Next ${pagesize} </a>]\"";
102 |   }
103 | //選択された表示件数を表示させる
104 | $selected10 = $selected20 = $selected50 = $selected100 = "";
105 | if($pagesize ==10){
106 |   $selected10 = "selected=¥\"selected¥\"";
107 | } elseif($pagesize == 20){
108 |   $selected20 = "selected=¥\"selected¥\"";
109 | } elseif ($pagesize == 50) {
110 |   $selected50 = "selected=¥\"selected¥\"";
111 | } elseif ($pagesize == 100) {
112 |   $selected100 = "selected=¥\"selected¥\"";
113 | }
114 |
115 | print "<div class=¥\"result_list¥\">";
116 | print <<< FORM_END
117 | <form method="POST" action="zogailist.php">
```



```
118 <tr><td colspan="2">
119 <select name="pagesize">
120 <option value="10" $selected10>Display up to 10</option>
121 <option value="20" $selected20>Display up to 20</option>
122 <option value="50" $selected50>Display up to 50</option>
123 <option value="100" $selected100>Display up to 100</option>
124 </select></td></tr>
125 <input type="hidden" name="key" value=$key>
126 <input type="submit" value="Re-display">
127 </form>
128 FORM_END;
129 print "<p class='list_p'" . $key . "' list</p>";
130 print "</div>";
131 print "<p>" . $rows . "&nbsp;of&nbsp;" . $pagehead . "</p>";
132 print"<p class='link'" . $link . "</p>";
133 //データベースからデータを取り出す
134 while($row = mysql_fetch_array($result)){
135     $text_no = $row['text_no'];
136     $key_letter = $row['key_letter'];
137     $title = $row['title'];
138     $author = $row['author'];
139     //結果表示
140     print <<< TABLE_END
141 <table class="result">
142 <tr><td class="midashi">Text no</td><td
    class="text_no">$text_no</td></tr>
143 <tr><td>Key_letter</td><td>$key_letter</td></tr>
144 <tr><td>Title</td><td>$title</td></tr>
145 <tr><td>Author</td><td>$author</td></tr>
146 <br />
147 </table>
148 TABLE_END;
149 }
150 print "<p>" . $rows . "&nbsp;of&nbsp;" . $pagehead . "</p>";
151 print"<p class='link'" . $link . "</p>";
152
153 mysql_close($connect);
154 ?>
155 <p>Back to <a href="zogai.php">TOP</a></p>
156 </body>
157 </html>
```

(4) 資料8 : zogai.css

```
1 body{
2     margin-right: auto;
3     margin-left: auto;
4     font-size:14px;
5     width:800px;
6 }
7
8 h1{
9     font-size:40px;
10    text-align:center;
11 }
12 span{
13     color: red;
14 }
15
16 td{
17     border:1px solid black;
18 }
19
20 table.searchbox{
21     border: 1px solid black;
22     border-collapse:collapse;
23     margin-right:auto;
24     margin-left:auto;
25 }
26
27 .searchbox input.text{
28     font-family: 'Kailasa','Microsoft Himalaya';
29     font-size:17px;
30 }
31
32 .searchbox td.moji{
33     font-size:20px;
34 }
35 table.result{
36     font-family: 'Kailasa','Microsoft Himalaya';
37     border: 1px solid black;
38     border-collapse:separate;
39     width: 700px;
40     margin-right: auto;
41     margin-left: auto;
42     font-size:22px;
43 }
44
```

```
45|.result td.midashi [  
46|   width:80px;  
47|   font-size:16px;  
48| ]  
49|  
50|.result td.text_no{  
51|   font-size:17px;  
52| }  
53|  
54|.result td{  
55|   line-height: 180%;  
56|   background-color:#DCDCDC;  
57| }  
58|  
59|div{  
60|text-align:center;  
61| }  
62|  
63|p.error{  
64|font-size:20px;  
65|color:red;  
66|text-align:center;  
67| }  
68|  
69|p.link{  
70|text-align:right;  
71|font-size:20px;  
72| }  
73|  
74|p.bold{  
75|font-weight:bold;  
76| }  
77|  
78|p.annotations{  
79|font-weight:bold;  
80|text-align:center;  
81| }
```