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Module:Citation/CS1/Configuration

From Blue Gold Program Wiki

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The printable version is no longer supported and may have rendering errors. Please update your browser bookmarks and please use the default browser print function instead.

{{#lst:Module:Citation/CS1/doc|header}} This configuration file contains various data that controls the functioning of [Module:Citation/CS1](#) and hence the way that Lua-based citations are generated.

It has several sections among which are:

1. translation tables that contain most of the literal strings that may be included in Lua-based citation. If editors are copying this Module to another wiki using a language other than English, then they should translate each of these values into that language.
2. a list of error conditions specifying what text to display, what category to include (if any), and what help page section to refer to when errors are detected
3. a list of ID handlers specifying the recognized document IDs, such as ISBN, DOI, etc., and how to format them.

```
{{#lst:Module:Citation/CS1/doc|module_components_table}}
```

```
--[[-----< U N C A T E G O R I Z E D _ N A M E S P A C E  
S >-----
```

List of namespaces that should not be included in citation error categories.
Same as setting nottracking = true by default

Note: Namespace names should use underscores instead of spaces.

```
]]  
local uncategorized_namespaces = { 'User', 'Talk', 'User_talk',  
'Wikipedia_talk', 'File_talk', 'Template_talk', 'Help_talk', 'Category_talk',  
'Portal_talk', 'Book_talk', 'Draft_talk', 'Education_Program_talk',  
'Module_talk', 'MediaWiki_talk' };
```

```
local uncategorized_subpages = {'/[Ss]andbox', '/[Tt]estcases'};  
-- list of Lua patterns found in page names of pages we should not categorize
```

```
--[[-----< M E S S A G E S >-----  
-----
```

Translation table

The following contains fixed text that may be output as part of a citation.
This is separated from the main body to aid in future translations of this
module.

```
]]
```

```
local messages = {  
    ['agency'] = '$1 $2',  
-- $1 is sepc, $2 is agency  
    ['archived-dead'] = 'Archived from $1 on $2',  
    ['archived-live'] = '$1 from the original on $2',  
    ['archived-missing'] = 'Archived from the original$1 on $2',  
    ['archived-unfit'] = 'Archived from the original on ',
```

```

    ['archived'] = 'Archived',
    ['by'] = 'By',
-- contributions to authored works: introduction, foreword, afterword
    ['cartography'] = 'Cartography by $1',
    ['editor'] = 'ed.',
    ['editors'] = 'eds.',
    ['edition'] = '($1 ed.)',
    ['episode'] = 'Episode $1',
    ['et al'] = 'et al.',
    ['in'] = 'In',
-- edited works
    ['inactive'] = 'inactive',
    ['inset'] = '$1 inset',
    ['interview'] = 'Interviewed by $1',
    ['lay summary'] = 'Lay summary',
    ['newsgroup'] = '[[Usenet newsgroup|Newsgroup]]:&nbsp;$1',
    ['original'] = 'the original',
    ['origyear'] = ' [$1]',
    ['published'] = ' (published $1)',
    ['retrieved'] = 'Retrieved $1',
    ['season'] = 'Season $1',
    ['section'] = '$ $1',
    ['sections'] = '$§ $1',
    ['series'] = '$1 $2',
-- $1 is sepc, $2 is series
    ['seriesnum'] = 'Series $1',
    ['translated'] = 'Translated by $1',
    ['type'] = ' ($1)',
-- for titletype
    ['written'] = 'Written at $1',

    ['vol'] = '$1 Vol.&nbsp;$2',
-- $1 is sepc; bold journal style volume is in presentation{}
    ['vol-no'] = '$1 Vol.&nbsp;$2 no.&nbsp;$3',
-- sepc, volume, issue
    ['issue'] = '$1 No.&nbsp;$2',
-- $1 is sepc

    ['j-vol'] = '$1 $2',
-- sepc, volume; bold journal volume is in presentation{}
    ['j-issue'] = ' ($1)',

    ['nopp'] = '$1 $2';
-- page(s) without prefix; $1 is sepc

    ['p-prefix'] = "$1 p.&nbsp;$2",
-- $1 is sepc
    ['pp-prefix'] = "$1 pp.&nbsp;$2",
-- $1 is sepc
    ['j-page(s)'] = ': $1',
-- same for page and pages

```

```

        ['sheet'] = '$1 Sheet&nbsp;$2',
-- $1 is sepc
        ['sheets'] = '$1 Sheets&nbsp;$2',
-- $1 is sepc
        ['j-sheet'] = ': Sheet&nbsp;$1',
        ['j-sheets'] = ': Sheets&nbsp;$1',
        ['language'] = '(in $1)',
        ['via'] = " &dash; via $1",
        ['event'] = 'Event occurs at',
        ['minutes'] = 'minutes in',
        ['parameter-separator'] = ', ',
        ['parameter-final-separator'] = ', and ',
        ['parameter-pair-separator'] = ' and ',
-- Determines the location of the help page
        ['help page link'] = 'Help:CS1 errors',
        ['help page label'] = 'help',
-- Internal errors (should only occur if configuration is bad)
        ['undefined_error'] = 'Called with an undefined error condition',
        ['unknown_manual_ID'] = 'Unrecognized manual ID mode',
        ['unknown_ID_mode'] = 'Unrecognized ID mode',
        ['unknown_argument_map'] = 'Argument map not defined for this
variable',
        ['bare_url_no_origin'] = 'Bare url found but origin indicator is nil
or empty',
    }

```

```

--[=[-----< E T _ A L _ P A T T E R N S >-----
-----

```

This table provides Lua patterns for the phrase "et al" and variants in name text (author, editor, etc.). The main module uses these to identify and emit the 'etal' message.

```
]=]
```

```

local et_al_patterns = {
    "[;,]? *[\']*%f[%a][Ee][Tt]%.? *[Aa][Ll][%.\']**$",
-- variations on the 'et al' theme
    "[;,]? *[\']*%f[%a][Ee][Tt]%.? *[Aa][Ll][Ii][Aa][%.\']**$",
-- variations on the 'et alia' theme
    "[;,]? *%f[%a]and [Oo]thers",
-- and alternate to et al.
    "%[%] *%f[%a][Ee][Tt]%.? *[Aa][Ll]%.? *%[%]",
-- a wikilinked form
    "[%(%[] *%f[%a][Ee][Tt]%.? *[Aa][Ll]%.? *%[%])]",
-- a bracketed form
    }

```

```
--[[-----< E D I T O R _ M A R K U P _ P A T T E R N S
>-----
```

This table provides Lua patterns for the phrase "ed" and variants in name text (author, editor, etc.). The main module uses these to identify and emit the 'extra_text_names' message. (It is not the only series of patterns for this message.)

```
]]
local editor_markup_patterns = {
-- these patterns match annotations at end of name
    '%f[%(%[][%(%[]%s*[Ee][Dd][Ss]?%?.?%s*[%]%)]]?$',
-- (ed) or (eds): leading '(', case insensitive 'ed', optional 's', '.'
and/or ')'
    '[,%.%s]%f[e]eds?%?.?$ ',
-- ed or eds: without '(' or ')'; case sensitive (ED could be initials Ed
could be name)
    '%f[%(%[][%(%[]%s*[Ee][Dd][Ii][Tt][Oo][Rr][Ss]?%?.?%s*[%]%)]]?$',
-- (editor) or (editors): leading '(', case insensitive, optional '.' and/or
')'
    '[,%.%s]%f[Ee][Dd][Ii][Tt][Oo][Rr][Ss]?%?.?$ ',
-- editor or editors: without '(' or ')'; case insensitive
-- these patterns match annotations at beginning of name
    '^eds?[%,.;;]',
-- ed. or eds.: lower case only, optional 's', requires '.'
    '^[%(%[]%s*[Ee][Dd][Ss]?%?.?%s*[%]%)]]',
-- (ed) or (eds): also square brackets, case insensitive, optional 's', '.'
    '^[%(%[]?%s*[Ee][Dd][Ii][Tt][Oo][Rr][Ss]?%A',
-- (editor or (editors: also sq brackets, case insensitive, optional
brackets, 's'
    '^[%(%[]?%s*[Ee][Dd][Ii][Tt][Ee][Dd]?%A',
-- (edited: also sq brackets, case insensitive, optional brackets

-- these patterns match annotations that are the 'name'
    '^[Ee][Dd][Ii][Tt][Oo][Rr][Ss]?%?.?$ ',
-- editor or editors; case insensitive
    }
}
```

```
--[[-----< P R E S E N T A T I O N >-----
-----
```

Fixed presentation markup. Originally part of citation_config.messages it has been moved into its own, more semantically correct place.

```
]]

local presentation =
{
```

```

-- Error output
-- .error class is specified at
https://git.wikimedia.org/blob/mediawiki%2Fcore.git/9553bd02a5595da05c184f752
1721fb1b79b3935/skins%2Fcommon%2Fshared.css#L538
-- .citation-comment class is specified at
Help:CS1_errors#Controlling_error_message_display
['hidden-error'] = '<span class="cs1-hidden-error error citation-
comment">$1</span>',
['visible-error'] = '<span class="cs1-visible-error error citation-
comment">$1</span>',
['hidden-maint'] = '<span class="cs1-maint citation-
comment">$1</span>',
['accessdate'] = '<span class="reference-accessdate">$1$2</span>',
-- to allow editors to hide accessdate using personal css

['bdi'] = '<bdi$1>$2</bdi>',
-- bidirectional isolation used with |script-title= and the like

['cite'] = '<cite class="$1">$2</cite>';
-- |ref= not set so no id="..." attribute
['cite-id'] = '<cite id="$1" class="$2">$3</cite>';
-- for use when |ref= is set

['format'] = ' <span class="cs1-format">($1)</span>',
-- for |format=, |chapter-format=, etc
-- various access levels, for |access=, |doi-access=, |arxiv=, ...
-- narrow no-break space &#8239; may work better than nowrap css. Or not?
browser support?

['ext-link-access-signal'] = '<span class="$1" title="$2">$3</span>',
-- external link with appropriate lock icon
['free'] = {class='cs1-lock-free', title='Freely
accessible'}, -- classes defined in
Module:Citation/CS1/styles.css
['registration'] = {class='cs1-lock-registration',
title='Free registration required'},
['limited'] = {class='cs1-lock-limited', title='Free access
subject to limited trial, subscription normally required'},
['subscription'] = {class='cs1-lock-subscription',
title='Paid subscription required'},

['interwiki-icon'] = '<span class="$1" title="$2">$3</span>',
['class-wikisource'] = 'cs1-ws-icon',

['italic-title'] = "'$1'",

['kern-left'] = '<span class="cs1-kern-left">$1</span>$2',
-- spacing to use when title contains leading single or double quote mark
['kern-right'] = '$1<span class="cs1-kern-right">$2</span>',
-- spacing to use when title contains trailing single or double quote mark

```

```

-- these for simple wikilinked titles [{"text"}], [{"text"}] and [{"text"}]
-- span wraps entire wikilink
    ['kern-wl-left'] = '<span class="cs1-kern-wl-left">$1</span>',
-- when title contains leading single or double quote mark
    ['kern-wl-right'] = '<span class="cs1-kern-wl-left">$1</span>',
-- when title contains trailing single or double quote mark
    ['kern-wl-both'] = '<span class="cs1-kern-wl-left cs1-kern-wl-
right">$1</span>',      -- when title contains leading and trailing single
or double quote marks

    ['nowrap1'] = '<span class="nowrap">$1</span>',
-- for nowraping an item: <span ...>yyyy-mm-dd</span>
    ['nowrap2'] = '<span class="nowrap">$1</span> $2',
-- for nowraping portions of an item: <span ...>dd mmmm</span> yyyy (note
white space)

    ['ocins'] = '<span title="$1" class="Z3988"></span>',
    ['parameter'] = '<code class="cs1-code">&#124;$1</code>',

    ['ps_cs1'] = '.';
-- cs1 style postscript (terminal) character
    ['ps_cs2'] = '';
-- cs2 style postscript (terminal) character (empty string)

    ['quoted-text'] = '<q>$1</q>',
-- for wrapping |quote= content
    ['quoted-title'] = '"$1"',

    ['sep_cs1'] = '.',
-- cs1 element separator
    ['sep_cs2'] = ', ',
-- cs2 separator
    ['sep_nl'] = ';',
-- cs1|2 style name-list separator between authors is a semicolon
    ['sep_name'] = ', ',
-- cs1|2 style last/first separator is <comma><space>
    ['sep_nl_vanc'] = ', ',
-- Vancouver style name-list separator between authors is a comma
    ['sep_name_vanc'] = ', ',
-- Vancouver style last/first separator is a space

    ['trans-italic-title'] = "&#91;' '$1' '&#93;",
    ['trans-quoted-title'] = "&#91;$1&#93;",
    ['vol-bold'] = '$1 <b>$2</b>',
-- sepc, volume; for bold journal cites; for other cites ['vol'] in
messages{}
    }

--[[-----< A L I A S E S >-----
-----

```

Aliases table for commonly passed parameters.

Parameter names on the right side in the assignments in this table must have been defined in the Whitelist before they will be recognized as valid parameter names

```
]]

local aliases = {
    ['AccessDate'] = {'access-date', 'accessdate'},
-- Used by InternetArchiveBot
    ['Agency'] = 'agency',
    ['ArchiveDate'] = {'archive-date', 'archivedate'},
-- Used by InternetArchiveBot
    ['ArchiveFormat'] = 'archive-format',
    ['ArchiveURL'] = {'archive-url', 'archiveurl'},
-- Used by InternetArchiveBot
    ['ASINTLD'] = 'asin-tld',
    ['At'] = 'at',
-- Used by InternetArchiveBot
    ['Authors'] = {'authors', 'people', 'credits'},
    ['BookTitle'] = {'book-title', 'booktitle'},
    ['Cartography'] = 'cartography',
    ['Chapter'] = {'chapter', 'contribution', 'entry', 'article',
'section'},
    ['ChapterFormat'] = {'chapter-format', 'contribution-format', 'entry-
format', 'article-format', 'section-format'};
    ['ChapterURL'] = {'chapter-url', 'chapterurl', 'contribution-url',
'contributionurl', 'entry-url', 'article-url', 'section-url', 'sectionurl'},
-- Used by InternetArchiveBot
    ['ChapterUrlAccess'] = {'chapter-url-access', 'contribution-url-
access', 'entry-url-access', 'article-url-access', 'section-url-access'},
-- Used by InternetArchiveBot
    ['Class'] = 'class',
-- cite arxiv and arxiv identifiers
    ['Collaboration'] = 'collaboration',
    ['Conference'] = {'conference', 'event'},
    ['ConferenceFormat'] = {'conference-format', 'event-format'},
    ['ConferenceURL'] = {'conference-url', 'conferenceurl', 'event-url',
'eventurl'},
-- Used by InternetArchiveBot
    ['Date'] = {'date', 'air-date', 'airdate'},
-- air-date and airdate for cite episode and cite serial only
    ['Degree'] = 'degree',
    ['DF'] = 'df',
    ['DisplayAuthors'] = {'display-authors', 'displayauthors'},
    ['DisplayContributors'] = 'display-contributors',
    ['DisplayEditors'] = {'display-editors', 'displayeditors'},
    ['DisplayInterviewers'] = 'display-interviewers',
    ['DisplayTranslators'] = 'display-translators',
    ['Docket'] = 'docket',
    ['DoiBroken'] = {'doi-broken', 'doi-broken-date', 'doi-inactive-
```



```

date'},
    ['Edition'] = 'edition',
    ['Editors'] = 'editors',
    ['Embargo'] = 'embargo',
    ['Encyclopedia'] = {'encyclopedia', 'encyclopaedia', 'dictionary'},
-- cite encyclopedia only
    ['Episode'] = 'episode',
-- cite serial only TODO: make available to cite episode?
    ['Format'] = 'format',
    ['ID'] = {'id', 'ID'},
    ['IgnoreISBN'] = {'ignore-isbn-error', 'ignoreisbnerror'},
    ['Inset'] = 'inset',
    ['Issue'] = {'issue', 'number'},
    ['Language'] = {'language', 'lang'},
    ['LastAuthorAmp'] = {'last-author-amp', 'lastauthoramp'},
    ['LayDate'] = {'lay-date', 'laydate'},
    ['LayFormat'] = 'lay-format',
    ['LaySource'] = {'lay-source', 'laysource'},
    ['LayURL'] = {'lay-url', 'layurl'},
-- Used by InternetArchiveBot
    ['MailingList'] = {'mailing-list', 'mailinglist'},
-- cite mailing list only
    ['Map'] = 'map',
-- cite map only
    ['MapFormat'] = 'map-format',
-- cite map only
    ['MapURL'] = {'map-url', 'mapurl'},
-- cite map only -- Used by InternetArchiveBot
    ['MapUrlAccess'] = 'map-url-access',
-- cite map only -- Used by InternetArchiveBot
    ['Minutes'] = 'minutes',
    ['Mode'] = 'mode',
    ['NameListFormat'] = 'name-list-format',
    ['Network'] = 'network',
    ['Newsgroup'] = 'newsgroup',
-- cite newsgroup only
    ['NoPP'] = {'no-pp', 'nopp'},
    ['NoTracking'] = {'template-doc-demo', 'no-cat', 'nocat', 'no-
tracking', 'notracking'},
    ['Number'] = 'number',
-- this case only for cite techreport
    ['OrigYear'] = {'orig-year', 'origyear'},
    ['Others'] = 'others',
    ['Page'] = {'page', 'p'},
-- Used by InternetArchiveBot
    ['Pages'] = {'pages', 'pp'},
-- Used by InternetArchiveBot
    ['Periodical'] = {'journal', 'magazine', 'newspaper', 'periodical',
'website', 'work'},
    ['Place'] = {'place', 'location'},
    ['PostScript'] = 'postscript',

```

```

['PublicationDate'] = {'publication-date', 'publicationdate'},
['PublicationPlace'] = {'publication-place', 'publicationplace'},
['PublisherName'] = {'publisher', 'institution'},
['Quote'] = {'quote', 'quotation'},
['Ref'] = 'ref',
['Scale'] = 'scale',
['ScriptChapter'] = {'script-chapter', 'script-contribution',
'script-entry', 'script-article', 'script-section'},
['ScriptMap'] = 'script-map',
['ScriptPeriodical'] = {'script-journal', 'script-magazine', 'script-
newspaper', 'script-periodical', 'script-website', 'script-work'},
['ScriptTitle'] = 'script-title',
-- Used by InternetArchiveBot
['Season'] = 'season',
['Sections'] = 'sections',
-- cite map only
['Series'] = {'series', 'version'},
['SeriesSeparator'] = 'series-separator',
['SeriesLink'] = {'series-link', 'serieslink'},
['SeriesNumber'] = {'series-number', 'series-no', 'seriesnumber',
'seriesno'},
['Sheet'] = 'sheet',
-- cite map only
['Sheets'] = 'sheets',
-- cite map only
['Station'] = 'station',
['Time'] = 'time',
['TimeCaption'] = {'time-caption', 'timecaption'},
['Title'] = 'title',
-- Used by InternetArchiveBot
['TitleLink'] = {'title-link', 'episode-link', 'titlelink',
'episodelink'}, -- Used by InternetArchiveBot
['TitleNote'] = 'department',
['TitleType'] = {'type', 'medium'},
['TransChapter'] = {'trans-article', 'trans-chapter', 'trans-
contribution', 'trans-entry', 'trans-section'},
['Transcript'] = 'transcript',
['TranscriptFormat'] = 'transcript-format',
['TranscriptURL'] = {'transcript-url', 'transcripturl'},
-- Used by InternetArchiveBot
['TransMap'] = 'trans-map',
-- cite map only
['TransPeriodical'] = {'trans-journal', 'trans-magazine', 'trans-
newspaper', 'trans-periodical', 'trans-website', 'trans-work'},
['TransTitle'] = 'trans-title',
-- Used by InternetArchiveBot
['URL'] = {'url', 'URL'},
-- Used by InternetArchiveBot
['UrlAccess'] = 'url-access',
-- Used by InternetArchiveBot
['UrlStatus'] = 'url-status',

```

```

-- Used by InternetArchiveBot
    ['Vauthors'] = 'vauthors',
    ['Veditors'] = 'veditors',
    ['Via'] = 'via',
    ['Volume'] = 'volume',
    ['Year'] = 'year',

    ['AuthorList-First'] = {"first#", "author-first#", "author#-first",
"given#"},
    ['AuthorList-Last'] = {"last#", "author-last#", "author#-last",
"author#", "surname#", "subject#", 'host#'},
    ['AuthorList-Link'] = {"author-link#", "author#-link", "authorlink#",
"author#link", "subject-link#", "subject#-link", "subjectlink#",
"subject#link"},
    ['AuthorList-Mask'] = {"author-mask#", "author#-mask", "authormask#",
"author#mask"},
    ['ContributorList-First'] = {'contributor-first#', 'contributor#-
first', 'contributor-given#', 'contributor#-given'},
    ['ContributorList-Last'] = {'contributor-last#', 'contributor#-last',
'contributor#', 'contributor-surname#', 'contributor#-surname'},
    ['ContributorList-Link'] = {'contributor-link#', 'contributor#-
link'},
    ['ContributorList-Mask'] = {'contributor-mask#', 'contributor#-
mask'},

    ['EditorList-First'] = {"editor-first#", "editor#-first", "editor-
given#", "editor#-given"},
    ['EditorList-Last'] = {"editor-last#", "editor#-last", "editor#",
"editor-surname#", "editor#-surname"},
    ['EditorList-Link'] = {"editor-link#", "editor#-link", "editorlink#",
"editor#link"},
    ['EditorList-Mask'] = {"editor-mask#", "editor#-mask", "editormask#",
"editor#mask"},
    ['InterviewerList-First'] = {'interviewer-first#', 'interviewer#-
first'},
    ['InterviewerList-Last'] = {'interviewer-last#', 'interviewer#-last',
'interviewer#'},
    ['InterviewerList-Link'] = {'interviewer-link#', 'interviewer#-
link'},
    ['InterviewerList-Mask'] = {'interviewer-mask#', 'interviewer#-
mask'},

    ['TranslatorList-First'] = {'translator-first#', 'translator#-first',
'translator-given#', 'translator#-given'},
    ['TranslatorList-Last'] = {'translator-last#', 'translator#-last',
'translator#', 'translator-surname#', 'translator#-surname'},
    ['TranslatorList-Link'] = {'translator-link#', 'translator#-link'},
    ['TranslatorList-Mask'] = {'translator-mask#', 'translator#-mask'},
}

```

```
--[[-----< P U N C T _ S K I P >-----  
-----  
-----
```

builds a table of parameter names that the extraneous terminal punctuation check should not check.

```
]]  
  
local punct_skip = {};  
  
local meta_params = {  
  -- table of aliases[] keys (meta parameters); each key has a table of  
  parameter names for a value  
    'BookTitle', 'Chapter', 'ScriptChapter', 'ScriptTitle', 'Title',  
    'TransChapter', 'Transcript', 'TransMap', 'TransTitle', --  
  title-holding parameters  
    'AuthorList-Mask', 'ContributorList-Mask', 'EditorList-Mask',  
    'InterviewerList-Mask', 'TranslatorList-Mask', -- name-list mask may  
  have name separators  
    'PostScript', 'Quote', 'Ref',  
  -- miscellaneous  
    'ArchiveURL', 'ChapterURL', 'ConferenceURL', 'LayURL', 'MapURL',  
    'TranscriptURL', 'URL', -- url-holding parameters  
  }  
  
  for _, meta_param in ipairs (meta_params) do  
  -- for each meta parameter key  
    local params = aliases[meta_param];  
  -- get the parameter or the table of parameters associated with the meta  
  parameter name  
    if 'string' == type (params) then  
      punct_skip[params] = 1;  
  -- just a single parameter  
    else  
      for _, param in ipairs (params) do  
  -- get the parameter name  
        punct_skip[param] = 1;  
  -- add the parameter name to the skip table  
        local count;  
        param, count = param:gsub ('#', '');  
  -- remove enumerator marker from enumerated parameters  
        if 0 ~= count then  
  -- if removed  
          punct_skip[param] = 1;  
  -- add param name without enumerator marker  
        end  
      end  
    end  
  end  
end  
end  
end
```

```
--[[-----< S P E C I A L   C A S E   T R A N S L A T I O
N S >-----
```

This table is primarily here to support internationalization. Translations in this table are used, for example, when an error message, category name, etc is extracted from the English alias key. There may be other cases where this translation table may be useful.

```
]]
```

```
local special_case_translation = {
    ['AuthorList'] = 'authors list',
-- used to assemble maintenance category names
    ['ContributorList'] = 'contributors list',
-- translation of these names plus translation of the base mainenance
category names in maint_cats{} table below
    ['EditorList'] = 'editors list',
-- must match the names of the actual categories
    ['InterviewerList'] = 'interviewers list',
-- this group or translations used by name_has_ed_markup() and
name_has_mult_names()
    ['TranslatorList'] = 'translators list',
    ['authors'] = 'authors',
-- used to assemble maintenance category names
    ['contributors'] = 'contributors',
-- translation of these names plus translation of the base mainenance
category names in maint_cats{} table below
    ['editors'] = 'editors',
-- must match the names of the actual categories
    ['interviewers'] = 'interviewers',
-- this group of translations used by get_display_names()
    ['translators'] = 'translators',

-- lua patterns to match pseudo title used by Internet Archive bot and others
as place holder for unknown |title= value
    ['archived_copy'] = {
-- used with CS1 maint: Archived copy as title
        ['en'] = '^archived?%s+copy$',
-- for English; translators: keep this because templates imported from
en.wiki
        ['local'] = '^archived?%s+copy$',
-- for the local language; lowercase only
    }
}
```

```
--[[-----< D A T E   _   N A M E S >-----
-----
```

This table of tables lists local language date names and fallback English

date names. The code in Date_validation will look first in the local table for valid date names. If date names are not found in the local table, the code will look in the English table.

Because citations can be copied to the local wiki from en.wiki, the English is required when the date-name translation function date_name_xlate() is used.

In these tables, season numbering is defined by Extended Date/Time Format (EDTF) Specification (<https://www.loc.gov/standards/datetime/>) which became part of ISO 8601 in 2019. See '\$Sub-year groupings'. The standard defines various divisions using numbers 21-41. cs1|2 only supports generic seasons. EDTF does support the distinction between north and south hemisphere seasons but cs1|2 has no way to make that distinction.

33-36 = Quarter 1, Quarter 2, Quarter 3, Quarter 4 (3 months each)

The standard does not address 'named' dates so, for the purposes of cs1|2, Easter and Christmas are defined here as 98 and 99, which should be out of the ISO 8601 (EDTF) range of uses for a while.

```
]]

local date_names = {
    ['en'] = {
        -- English
        ['long'] = {'January'=1, ['February']=2,
['March']=3, ['April']=4, ['May']=5, ['June']=6, ['July']=7, ['August']=8,
['September']=9, ['October']=10, ['November']=11, ['December']=12},
        ['short'] = {'Jan']=1, ['Feb']=2, ['Mar']=3,
['Apr']=4, ['May']=5, ['Jun']=6, ['Jul']=7, ['Aug']=8, ['Sep']=9, ['Oct']=10,
['Nov']=11, ['Dec']=12},
        ['quarter'] = {'First Quarter']=33, ['Second Quarter']=34,
['Third Quarter']=35, ['Fourth Quarter']=36},
        ['season'] = {'Winter']=24, ['Spring']=21,
['Summer']=22, ['Fall']=23, ['Autumn']=23},
        ['named'] = {'Easter']=98, ['Christmas']=99},
    },
    ['local'] = {
        -- replace these English date names with
the local language equivalents
        ['long'] = {'January']=1, ['February']=2,
['March']=3, ['April']=4, ['May']=5, ['June']=6, ['July']=7, ['August']=8,
['September']=9, ['October']=10, ['November']=11, ['December']=12},
        ['short'] = {'Jan']=1, ['Feb']=2, ['Mar']=3,
['Apr']=4, ['May']=5, ['Jun']=6, ['Jul']=7, ['Aug']=8, ['Sep']=9, ['Oct']=10,
['Nov']=11, ['Dec']=12},
        ['quarter'] = {'First Quarter']=33, ['Second Quarter']=34,
['Third Quarter']=35, ['Fourth Quarter']=36},
        ['season'] = {'Winter']=24, ['Spring']=21,
['Summer']=22, ['Fall']=23, ['Autumn']=23},
    },
}
```

```

        ['named']          = {'Easter'=98, 'Christmas'=99},
    },
    ['inv_local_l'] = {},
-- used in date reformatting; copy of date_names['local'].long where k/v are
inverted: [1]='<local name>' etc
    ['inv_local_s'] = {},
-- used in date reformatting; copy of date_names['local'].short where k/v are
inverted: [1]='<local name>' etc
    ['local_digits'] = {'0' = '0', ['1'] = '1', ['2'] = '2', ['3'] =
'3', ['4'] = '4', ['5'] = '5', ['6'] = '6', ['7'] = '7', ['8'] = '8', ['9'] =
'9'},          -- used to convert local language digits to Western 0-9
    ['xlate_digits'] = {},
    }

for name, i in pairs (date_names['local'].long) do
-- this table is ['name'] = i
    date_names['inv_local_l'][i] = name;
-- invert to get [i] = 'name' for conversions from ymd
end

for name, i in pairs (date_names['local'].short) do
-- this table is ['name'] = i
    date_names['inv_local_s'][i] = name;
-- invert to get [i] = 'name' for conversions from ymd
end

for ld, ed in pairs (date_names.local_digits) do
-- make a digit translation table for simple date translation from en to
local language using local_digits table
    date_names.xlate_digits [ed] = ld;
-- en digit becomes index with local digit as the value
end

local df_template_patterns = {
-- table of redirects to {{Use dmy dates}} and {{Use mdy dates}}
    '{{ *[Uu]se (dmy) dates *[]}}',          -- 915k
-- sorted by approximate transclusion count
    '{{ *[Uu]se *(mdy) *dates *[]}}',        -- 161k
    '{{ *[Uu]se (DMY) dates *[]}}',          -- 2929
    '{{ *[Uu]se *(dmy) *[]}}',               -- 250 + 34
    '{{ *([Dd]my) *[]}}',                    -- 272
    '{{ *[Uu]se (MDY) dates *[]}}',          -- 173
    '{{ *[Uu]se *(mdy) *[]}}',               -- 59 + 12
    '{{ *([Mm]dy) *[]}}',                    -- 9
    '{{ *[Uu]se (MDY) *[]}}',                -- 3
    '{{ *([Dd]MY) *[]}}',                    -- 2
    '{{ *([Mm]DY) *[]}}',                    -- 0
--
    '{{ *[Uu]se(mdy) *[]}}',
--
    '{{ *[Uu]se(mdy)dates *[]}}',
--
    '{{ *[Uu]se(dmy) *[]}}',
    }

```

```

local function get_date_format ()
    local content = mw.title.getCurrentTitle():getContent() or '';
-- get the content of the article or ''; new pages edited w/ve do not have
'content' until saved; ve does not preview; phab:T221625
    for _, pattern in ipairs (df_template_patterns) do
-- loop through the patterns looking for {{Use dmy dates}} or {{Use mdy
dates}} or any of their redirects
        local start, _, match = content:find(pattern);
-- match is the three letters indicating desired date format
        if match then
            content = content:match ('%b{3}', start);
-- get the whole template
            if content:match ('| *cs1%-dates *= *[lsy][sy]?')
then
                -- look for |cs1-dates=publication date
length access-/archive-date length
                return match:lower() .. '-' .. content:match
('| *cs1%-dates *= *([lsy][sy]?');
            else
                return match:lower() .. '-all';
-- no |cs1-dates= k/v pair; return value appropriate for use in |df=
            end
        end
    end
end
end

```

```

local global_df = get_date_format ();

```

```

--[[-----< V O L U M E , I S S U E , P A G E S >-----
-----

```

These tables hold cite class values (from the template invocation) and identify those templates that support |volume=, |issue=, and |page(s)= parameters. Cite conference and cite map require further qualification which is handled in the main module.

```

]]

```

```

local templates_using_volume = {'citation', 'audio-visual', 'book',
'conference', 'encyclopaedia', 'interview', 'journal', 'magazine', 'map',
'news', 'report', 'techreport', 'thesis'}
local templates_using_issue = {'citation', 'conference', 'episode',
'interview', 'journal', 'magazine', 'map', 'news', 'podcast'}
local templates_not_using_page = {'audio-visual', 'episode', 'mailinglist',
'newsgroup', 'podcast', 'serial', 'sign', 'speech'}

```

```

--[[-----< K E Y W O R D S >-----
-----

```


These tables hold keywords for those parameters that have defined sets of acceptable keywords.

```
]]  
  
--[-----< K E Y W O R D S   T A B L E >-----  
-----
```

this is a list of keywords; each key in the list is associated with a table of synonymous keywords possibly from different languages.

for i18n: add local-language keywords to value table; do not change the key. For example, adding the German keyword 'ja':

```
    ['affirmative'] = {'yes', 'true', 'y', 'ja'},
```

Because cs1|2 templates from en.wiki articles are often copied to other local wikis, it is recommended that the English keywords remain in these tables.

```
]]
```

```
local keywords = {  
    ['affirmative'] = {'yes', 'true', 'y'},  
    -- ignore-isbn-error, last-author-amp, no-tracking, nopp -- Used by  
    InternetArchiveBot  
    ['afterword'] = {'afterword'},  
    -- contribution  
    ['bot: unknown'] = {'bot: unknown'},  
    -- url-status -- Used by InternetArchiveBot  
    ['cs1'] = {'cs1'},  
    -- mode  
    ['cs2'] = {'cs2'},  
    -- mode  
    ['dead'] = {'dead'},  
    -- url-status -- Used by InternetArchiveBot  
    ['dmy'] = {'dmy'},  
    -- df  
    ['dmy-all'] = {'dmy-all'},  
    -- df  
    ['foreword'] = {'foreword'},  
    -- contribution  
    ['free'] = {'free'},  
    -- url-access -- Used by InternetArchiveBot  
    ['introduction'] = {'introduction'},  
    -- contribution  
    ['limited'] = {'limited'},  
    -- url-access -- Used by InternetArchiveBot  
    ['live'] = {'live'},  
    -- url-status -- Used by InternetArchiveBot  
    ['mdy'] = {'mdy'},
```

```

-- df
    ['mdy-all'] = {'mdy-all'},
-- df
    ['none'] = {'none'},
-- postscript, ref, title, type -- Used by InternetArchiveBot
    ['preface'] = {'preface'},
-- contribution
    ['registration'] = {'registration'},
-- url-access -- Used by InternetArchiveBot
    ['subscription'] = {'subscription'},
-- url-access -- Used by InternetArchiveBot
    ['unfit'] = {'unfit'},
-- url-status -- Used by InternetArchiveBot
    ['usurped'] = {'usurped'},
-- url-status -- Used by InternetArchiveBot
    ['vanc'] = {'vanc'},
-- name-list-format
    ['ymd'] = {'ymd'},
-- df
    ['ymd-all'] = {'ymd-all'},
-- df
    ['yMd'] = {'yMd'},
-- df; not supported at en.wiki
    ['yMd-all'] = {'yMd-all'},
-- df; not supported at en.wiki
    }

--[[-----< X L A T E _ K E Y W O R D S >-----
-----

this function builds a list, keywords_xlate{}, of the keywords found in
keywords{} where the values from keywords{}
become the keys in keywords_xlate{} and the keys from keywords{} become the
values in keywords_xlate{}:
    ['affirmative'] = {'yes', 'true', 'y'},          -- in
keywords{}
becomes
    ['yes'] = 'affirmative',                        -- in
keywords_xlate{}
    ['true'] = 'affirmative',
    ['y'] = 'affirmative',

the purpose of this function is to act as a translator between a non-English
keyword and its English equivalent
that may be used in other modules of this suite

]]

local function xlate_keywords ()
    local out_table = {};

```

```

-- output goes here
    for k, keywords_t in pairs (keywords) do
-- spin through the keywords table
        for _, keyword in ipairs (keywords_t) do
-- for each keyword
            out_table[keyword] = k;
-- create an entry in the output table where keyword is the key
        end
    end
    return out_table;
end

local keywords_xlate = xlate_keywords ();
-- the list of translated keywords

--[[-----< M A K E _ K E Y W O R D S _ L I S T >-----
-----

this function assembles, for parameter-value validation, the list of keywords
appropriate to that parameter.

keywords_lists{}, is a table of tables from keywords{}

]]

local function make_keywords_list (keywords_lists)
    local out_table = {};
-- output goes here
    for _, keyword_list in ipairs (keywords_lists) do
-- spin through keywords_lists{} and get a table of keywords
        for _, keyword in ipairs (keyword_list) do
-- spin through keyword_list{} and add each keyword, ...
            table.insert (out_table, keyword);
-- ... as plain text, to the output list
        end
    end
    return out_table;
end

--[[-----< K E Y W O R D S _ L I S T S >-----
-----

this is a list of lists of valid keywords for the various parameters in
[key]. Generally the keys in this table
are the canonical en.wiki parameter names though some are contrived because
of use in multiple differently named
parameters: ['yes_true_y'], ['id-access'].

```

The function `make_keywords_list()` extracts the individual keywords from the

appropriate list in keywords{}

The lists in this table are used to validate the keyword assignment for the parameters named in this table's keys.

```
]]

local keywords_lists = {
    ['yes_true_y'] = make_keywords_list ({keywords.affirmative}),
    ['contribution'] = make_keywords_list ({keywords.afterword,
keywords.foreword, keywords.introduction, keywords.preface}),
    ['df'] = make_keywords_list ({keywords.dmy, keywords['dmy-all'],
keywords.mdy, keywords['mdy-all'], keywords.ymd, keywords['ymd-all']}),
    -- ['df'] = make_keywords_list ({keywords.dmy, keywords['dmy-all'],
keywords.mdy, keywords['mdy-all'], keywords.ymd, keywords['ymd-all'],
keywords.yMd, keywords['yMd-all']}), -- not supported at en.wiki
    ['mode'] = make_keywords_list ({keywords.cs1, keywords.cs2}),
    ['name-list-format'] = make_keywords_list ({keywords.vanc}),
    ['url-access'] = make_keywords_list ({keywords.subscription,
keywords.limited, keywords.registration}),
    ['url-status'] = make_keywords_list ({keywords.dead, keywords.live,
keywords.unfit, keywords.usurped, keywords['bot: unknown']}),
    ['id-access'] = make_keywords_list ({keywords.free}),
}

--[-----< S T R I P M A R K E R S >-----
-----

Common pattern definition location for stripmarkers so that we don't have to
go hunting for them if (when)
MediaWiki changes their form.

]]

local stripmarkers = {
    ['any'] = '\\127[^\127]*UNIQ%-%- (%a+)%- [%a%d]+%-QINU[^\127]*\127',
    -- capture returns name of stripmarker
    ['math'] = '\\127[^\127]*UNIQ%-%-math%- [%a%d]+%-QINU[^\127]*\127'
    -- math stripmarkers used in coins_cleanup() and
    coins_replace_math_stripmarker()
}

--[-----< I N V I S I B L E _ C H A R A C T E R S >-----
-----

This table holds non-printing or invisible characters indexed either by name
or by Unicode group. Values are decimal
representations of UTF-8 codes. The table is organized as a table of tables
because the lua pairs keyword returns
```

table data in an arbitrary order. Here, we want to process the table from top to bottom because the entries at the top of the table are also found in the ranges specified by the entries at the bottom of the table.

Also here is a pattern that recognizes stripmarkers that begin and end with the delete characters. The nowiki stripmarker is not an error but some others are because the parameter values that include them become part of the template's metadata before stripmarker replacement.

```
]]

local invisible_chars = {
    {'replacement', '\239\191\189'},
-- U+FFFD, EF BF BD
    {'zero width joiner', '\226\128\141'},
-- U+200D, E2 80 8D
    {'zero width space', '\226\128\139'},
-- U+200B, E2 80 8B
    {'hair space', '\226\128\138'},
-- U+200A, E2 80 8A
    {'soft hyphen', '\194\173'},
-- U+00AD, C2 AD
    {'horizontal tab', '\009'},
-- U+0009 (HT), 09
    {'line feed', '\010'},
-- U+000A (LF), 0A
    {'no-break space', '\194\160'},
-- U+00A0 (NBSP), C2 A0
    {'carriage return', '\013'},
-- U+000D (CR), 0D
    {'stripmarker', stripmarkers.any},
-- stripmarker; may or may not be an error; capture returns the stripmaker
type
    {'delete', '\127'},
-- U+007F (DEL), 7F; must be done after stripmarker test
    {'C0 control', '[\000-\008\011\012\014-\031]'},
-- U+0000-U+001F (NULL-US), 00-1F (except HT, LF, CR (09, 0A, 0D))
    {'C1 control', '[\194\128-\194\159]'},
-- U+0080-U+009F (XXX-APC), C2 80 - C2 9F
--    {'Specials', '[\239\191\185-\239\191\191]'},
-- U+FFF9-U+FFFF, EF BF B9 - EF BF BF
--    {'Private use area', '[\238\128\128-\239\163\191]'},
-- U+E000-U+F8FF, EE 80 80 - EF A3 BF
--    {'Supplementary Private Use Area-A', '[\243\176\128\128-
\243\191\191\189]'},
--    {'Supplementary Private Use Area-B', '[\244\128\128\128-
\244\143\191\189]'},
--    {'U+100000-U+10FFFFD, F4 80 80 80 - F4 8F BF BD
}
}
```

--[[

Indic script makes use of zero width joiner as a character modifier so zwj characters must be left in. This pattern covers all of the unicode characters for these languages:

Devanagari	0900–097F –
https://unicode.org/charts/PDF/U0900.pdf	
Devanagari extended	A8E0–A8FF –
https://unicode.org/charts/PDF/UA8E0.pdf	
Bengali	0980–09FF –
https://unicode.org/charts/PDF/U0980.pdf	
Gurmukhi	0A00–0A7F –
https://unicode.org/charts/PDF/U0A00.pdf	
Gujarati	0A80–0AFF –
https://unicode.org/charts/PDF/U0A80.pdf	
Oriya	0B00–0B7F –
https://unicode.org/charts/PDF/U0B00.pdf	
Tamil	0B80–0BFF –
https://unicode.org/charts/PDF/U0B80.pdf	
Telugu	0C00–0C7F –
https://unicode.org/charts/PDF/U0C00.pdf	
Kannada	0C80–0CFF –
https://unicode.org/charts/PDF/U0C80.pdf	
Malayalam	0D00–0D7F –
https://unicode.org/charts/PDF/U0D00.pdf	

plus the not-necessarily Indic scripts for Sinhala and Burmese:

Sinhala	0D80–0DFF –
https://unicode.org/charts/PDF/U0D80.pdf	
Myanmar	1000–109F –
https://unicode.org/charts/PDF/U1000.pdf	
Myanmar extended A	AA60–AA7F –
https://unicode.org/charts/PDF/UAA60.pdf	
Myanmar extended B	A9E0–A9FF –
https://unicode.org/charts/PDF/UA9E0.pdf	

the pattern is used by `has_invisible_chars()` and `coins_cleanup()`
TODO: find a better place for this?
]]

```
local indic_script = '[\224\164\128-\224\181\191\224\163\160-  
\224\183\191\225\128\128-\225\130\159\234\167\160-\234\167\191\234\169\160-  
\234\169\191]';
```

--[[-----< L A N G U A G E S U P P O R T >-----

These tables and constants support various language-specific functionality.

]]

```

local this_wiki_code = mw.getContentLanguage():getCode();
-- get this wiki's language code
    if string.match (mw.site.server, 'wikidata') then
        this_wiki_code =
mw.getCurrentFrame():preprocess('{{int:lang}}');
wikidata so use interface language setting instead
    end

local local_lang_cat_enable = false;
-- set to true to categorize pages where |language=<local wiki's language>

--[[-----< S C R I P T _ L A N G _ C O D E S >-----
-----

This table is used to hold ISO 639-1 two-character and ISO 639-3 three-
character language codes that apply only
to |script-title= and |script-chapter=

]]

local script_lang_codes = {
    'am', 'ar', 'be', 'bg', 'bn', 'bo', 'bs', 'dv', 'dz', 'el', 'fa',
    'gu', 'he', 'hi', 'hy', 'ja', 'ka', 'kk', 'km', 'kn', 'ko', 'ku',
    'lo', 'mk', 'ml', 'mn', 'mr', 'my', 'ne', 'or', 'ota', 'ps', 'ru',
    'sd', 'si', 'sr', 'ta', 'tg', 'th', 'ug', 'uk', 'ur', 'uz', 'yi',
    'zh'
};

--[[-----< L A N G U A G E   R E M A P P I N G >-----
-----

These tables hold language information that is different (correct) from
MediaWiki's definitions

For each ['code'] = 'language name' in lang_code_remap{} there must be a
matching ['language name'] = {'language name', 'code'} in lang_name_remap{}

lang_code_remap{}:
    key is always lowercase ISO 639-1, -2, -3 language code or a valid
lowercase IETF language tag
    value is properly spelled and capitalized language name associated
with key
    only one language name per key;
    key/value pair must have matching entry in lang_name_remap{}

lang_name_remap{}:
    key is always lowercase language name
    value is a table the holds correctly spelled and capitalized language
name [1] and associated code [2] (code must match a code key in

```

```
lang_code_remap{})
    may have multiple keys referring to a common preferred name and code;
For example:
```

```
    ['kolsch'] and ['kölsch'] both refer to 'Kölsch' and 'ksh'
```

```
]]

local lang_code_remap = {
-- used for |language= and |script-title= / |script-chapter=
    ['als'] = 'Tosk Albanian',
-- MediaWiki returns Alemannisch
    ['bh'] = 'Bihari',
-- MediaWiki uses 'bh' as a subdomain name for Bhojpuri Wikipedia:
bh.wikipedia.org
    ['bla'] = 'Blackfoot',
-- MediaWiki/IANA/ISO 639: Siksika; use en.wiki preferred name
    ['bn'] = 'Bengali',
-- MediaWiki returns Bangla
    ['ca-valencia'] = 'Valencian',
-- IETF variant of Catalan
    ['crh'] = 'Crimean Tatar',
-- synonymous with Crimean Turkish (return value from {{#language:crh|en}})
    ['ilo'] = 'Ilocano',
-- MediaWiki/IANA/ISO 639: Iloko; use en.wiki preferred name
    ['ksh'] = 'Kölsch',
-- MediaWiki: Cognian; use IANA/ISO 639 preferred name
    ['ksh-x-colog'] = 'Cognian',
-- override MediaWiki ksh; no IANA/ISO 639 code for Cognian; IETF private
code created at Module:Lang/data
    ['mis-x-ripar'] = 'Ripuarian',
-- override MediaWiki ksh; no IANA/ISO 639 code for Ripuarian; IETF private
code created at Module:Lang/data
    ['nan-tw'] = 'Taiwanese Hokkien',
-- make room for MediaWiki/IANA/ISO 639 nan: Min Nan Chinese and support
en.wiki preferred name
    }

local lang_name_remap = {
-- used for |language=
    ['alemannisch'] = {'Swiss German', 'gsw'},
-- not an ISO or IANA language name; MediaWiki uses 'als' as a subdomain name
for Alemannic Wikipedia: als.wikipedia.org
    ['bangla'] = {'Bengali', 'bn'},
-- MediaWiki returns Bangla (the endonym) but we want Bengali (the exonym);
here we remap
    ['bengali'] = {'Bengali', 'bn'},
-- MediaWiki doesn't use exonym so here we provide correct language name and
639-1 code
    ['bhojpuri'] = {'Bhojpuri', 'bho'},
-- MediaWiki uses 'bh' as a subdomain name for Bhojpuri Wikipedia:
bh.wikipedia.org
```



```

    ['bihari'] = {'Bihari', 'bh'},
-- MediaWiki replaces 'Bihari' with 'Bhojpuri' so 'Bihari' cannot be found
    ['blackfoot'] = {'Blackfoot', 'bla'},
-- MediaWiki/IANA/ISO 639: Siksika; use en.wiki preferred name
    ['cognian'] = {'Cognian', 'ksh-x-colog'},
-- MediaWiki preferred name for ksh
    ['crimean tatar'] = {'Crimean Tatar', 'crh'},
-- MediaWiki uses 'crh' as a subdomain name for Crimean Tatar Wikipedia:
crh.wikipedia.org
    ['ilocano'] = {'Ilocano', 'ilo'},
-- MediaWiki/IANA/ISO 639: Iloko; use en.wiki preferred name
    ['kolsch'] = {'Kölsch', 'ksh'},
-- use IANA/ISO 639 preferred name (use non-diacritical o instead of umlaut
ö)
    ['kölsch'] = {'Kölsch', 'ksh'},
-- use IANA/ISO 639 preferred name
    ['riparian'] = {'Riparian', 'mis-x-ripar'},
-- group of dialects; no code in MediaWiki or in IANA/ISO 639
--
    ['siksika'] = {'Siksika', 'bla'},
-- MediaWiki/IANA/ISO 639 preferred name: Siksika
    ['taiwanese hokkien'] = {'Taiwanese Hokkien', 'nan-TW'},
-- make room for MediaWiki/IANA/ISO 639 nan: Min Nan Chinese
    ['tosk albanian'] = {'Tosk Albanian', 'als'},
-- MediaWiki replaces 'Tosk Albanian' with 'Alemannisch' so 'Tosk Albanian'
cannot be found
    ['valencian'] = {'Valencian', 'ca'},
-- variant of Catalan; categorizes as Catalan
}

```

```

--[[-----< M A I N T E N A N C E _ C A T E G O R I E S
>-----]]

```

Here we name maintenance categories to be used in maintenance messages.

```

]]

local maint_cats = {
    ['ASIN'] = 'CS1 maint: ASIN uses ISBN',
    ['archived_copy'] = 'CS1 maint: archived copy as title',
    ['authors'] = 'CS1 maint: uses authors parameter',
    ['bot:_unknown'] = 'CS1 maint: BOT: original-url status unknown',
    ['date_format'] = 'CS1 maint: date format',
    ['date_year'] = 'CS1 maint: date and year',
    ['disp_name'] = 'CS1 maint: display-$1',
-- $1 is 'authors', 'contributors', 'editors', 'interviewers', 'translators';
gets value from special_case_translation table
    ['editors'] = 'CS1 maint: uses editors parameter',
    ['embargo'] = 'CS1 maint: PMC embargo expired',
    ['extra_punct'] = 'CS1 maint: extra punctuation',
    ['extra_text'] = 'CS1 maint: extra text',

```

```

    ['extra_text_names'] = 'CS1 maint: extra text: $1',
-- $1 is '<name>s list'; gets value from special_case_translation table
    ['ignore_isbn_err'] = 'CS1 maint: ignored ISBN errors',
    ['location'] = 'CS1 maint: location',
    ['mult_names'] = 'CS1 maint: multiple names: $1',
-- $1 is '<name>s list'; gets value from special_case_translation table
    ['numeric_names'] = 'CS1 maint: numeric names: $1',
-- $1 is '<name>s list'; gets value from special_case_translation table
    ['others'] = 'CS1 maint: others',
    ['pmc_format'] = 'CS1 maint: PMC format',
    ['ref_harv'] = 'CS1 maint: ref=harv',
    ['unfit'] = 'CS1 maint: unfit url',
    ['unknown_lang'] = 'CS1 maint: unrecognized language',
    ['untitled'] = 'CS1 maint: untitled periodical',
    ['zbl'] = 'CS1 maint: ZBL',
}

```

```

--[[-----< P R O P E R T I E S _ C A T E G O R I E S >-----
-----

```

Here we name properties categories

```

]]

local prop_cats = {
    ['foreign_lang_source'] = 'CS1 $1-language sources ($2)',
-- |language= categories; $1 is foreign-language name, $2 is ISO639-1 code
    ['foreign_lang_source_2'] = 'CS1 foreign language sources (ISO
639-2)|$1', -- |language= category; a cat for ISO639-2 languages; $1
is the ISO 639-2 code used as a sort key
    ['local_lang_source'] = 'CS1 $1-language sources ($2)',
-- |language= categories; $1 is local-language name, $2 is ISO639-1 code; not
emitted when local_lang_cat_enable is false
    ['location test'] = 'CS1 location test',
    ['script'] = 'CS1 uses foreign language script',
-- when language specified by |script-title=xx: doesn't have its own category
    ['script_with_name'] = 'CS1 uses $1-language script ($2)',
-- |script-title=xx: has matching category; $1 is language name, $2 is
ISO639-1 code
    ['jul_greg_uncertainty'] = 'CS1: Julian–Gregorian uncertainty',
-- probably temporary cat to identify scope of template with dates 1 October
1582 – 1 January 1926
    ['long_vol'] = 'CS1: long volume value',
-- probably temporary cat to identify scope of |volume= values longer than 4
characters
}

```

```

--[[-----< T I T L E _ T Y P E S >-----
-----

```

Here we map a template's CitationClass to TitleType (default values for |type= parameter)

```
]]

local title_types = {
    ['AV-media-notes'] = 'Media notes',
    ['interview'] = 'Interview',
    ['mailinglist'] = 'Mailing list',
    ['map'] = 'Map',
    ['podcast'] = 'Podcast',
    ['pressrelease'] = 'Press release',
    ['report'] = 'Report',
    ['techreport'] = 'Technical report',
    ['thesis'] = 'Thesis',
}

--[[===== << E R R O R   M E S S A G I N G
>>=====

]]

--[[----- < E R R O R   M E S S A G E   S U P P L I M E N
T S >-----

i18n for those messages that are supplemented with additional specific text
that describes the reason for
the error

TODO: merge this with special_case_translations{}?
]]

local err_msg_supl = {
    ['char'] = 'invalid character',
-- isbn, sbn
    ['check'] = 'checksum',
-- isbn, sbn
    ['flag'] = 'flag',
-- archive-url
    ['form'] = 'invalid form',
-- isbn, sbn
    ['group'] = 'invalid group id',
-- isbn
    ['initials'] = 'initials',
-- vancouver
    ['journal'] = 'journal',
-- bibcode
    ['length'] = 'length',
-- isbn, bibcode, sbn
```

```

        ['liveweb'] = 'liveweb',
-- archive-url
        ['missing comma'] = 'missing comma',
-- vancouver
        ['name'] = 'name',
-- vancouver
        ['non-Latin char'] = 'non-Latin character',
-- vancouver
        ['path'] = 'path',
-- archive-url
        ['prefix'] = 'invalid prefix',
-- isbn
        ['punctuation'] = 'punctuation',
-- vancouver
        ['save'] = 'save command',
-- archive-url
        ['suffix'] = 'suffix',
-- vancouver
        ['timestamp'] = 'timestamp',
-- archive-url
        ['value'] = 'value',
-- bibcode
        ['year'] = 'year',
-- bibcode
    }

```

```

--[[-----< E R R O R _ C O N D I T I O N S >-----
-----

```

Error condition table

The following contains a list of IDs for various error conditions defined in the code. For each ID, we specify a text message to display, an error category to include, and whether the error message should be wrapped as a hidden comment.

Anchor changes require identical changes to matching anchor in Help:CS1 errors

```

]]

local error_conditions = {
    accesdate_missing_url = {
        message = '<code class="cs1-code">#124;access-date=</code>
requires <code class="cs1-code">#124;url=</code>',
        anchor = 'accesdate_missing_url',
        category = 'Pages using citations with accesdate and no
URL',
        hidden = false
    },

```

```

    apostrophe_markup = {
        message = 'Italic or bold markup not allowed in: <code
class="cs1-code">#124;$1</code>',          -- $1 is parameter name
        anchor = 'apostrophe_markup',
        category = 'CS1 errors: markup',
        hidden = false
    },
    archive_missing_date = {
        message = '<code class="cs1-code">#124;archive-url=</code>
requires <code class="cs1-code">#124;archive-date=</code>',
        anchor = 'archive_missing_date',
        category = 'Pages with archiveurl citation errors',
        hidden = false
    },
    archive_missing_url = {
        message = '<code class="cs1-code">#124;archive-url=</code>
requires <code class="cs1-code">#124;url=</code>',
        anchor = 'archive_missing_url',
        category = 'Pages with archiveurl citation errors',
        hidden = false
    },
    archive_url = {
        message = '<code class="cs1-code">#124;archive-url=</code>
is malformed: $1',          -- $1 is error message detail
        anchor = 'archive_url',
        category = 'Pages with archiveurl citation errors',
        hidden = false
    },
    arxiv_missing = {
        message = '<code class="cs1-code">#124;arxiv=</code>
required',
        anchor = 'arxiv_missing',
        category = 'CS1 errors: arXiv',
-- same as bad arxiv
        hidden = false
    },
    bad_arxiv = {
        message = 'Check <code class="cs1-code">#124;arxiv=</code>
value',
        anchor = 'bad_arxiv',
        category = 'CS1 errors: arXiv',
        hidden = false
    },
    bad_asin = {
        message = 'Check <code class="cs1-code">#124;asin=</code>
value',
        anchor = 'bad_asin',
        category = 'CS1 errors: ASIN',
        hidden = false
    },
    bad_bibcode = {

```

```

        message = 'Check <code class="cs1-code">#124;bibcode=</code>
$1',
        -- $1 is error message detail
        anchor = 'bad_bibcode',
        category = 'CS1 errors: bibcode',
        hidden = false
    },
    bad_biorxiv = {
        message = 'Check <code class="cs1-code">#124;biorxiv=</code>
value',
        anchor = 'bad_biorxiv',
        category = 'CS1 errors: bioRxiv',
        hidden = false
    },
    bad_citeseerx = {
        message = 'Check <code class="cs1-
code">#124;citeseerx=</code> value',
        anchor = 'bad_citeseerx',
        category = 'CS1 errors: citeseerx',
        hidden = false
    },
    bad_date = {
        message = 'Check date values in: <code class="cs1-
code">$1</code>',
        -- $1 is parameter name
        anchor = 'bad_date',
        category = 'CS1 errors: dates',
        hidden = false
    },
    bad_doi = {
        message = 'Check <code class="cs1-code">#124;doi=</code>
value',
        anchor = 'bad_doi',
        category = 'CS1 errors: DOI',
        hidden = false
    },
    bad_hdl = {
        message = 'Check <code class="cs1-code">#124;hdl=</code>
value',
        anchor = 'bad_hdl',
        category = 'CS1 errors: HDL',
        hidden = false
    },
    bad_isbn = {
        message = 'Check <code class="cs1-code">#124;isbn=</code>
value: $1',
        -- $1 is error message detail
        anchor = 'bad_isbn',
        category = 'CS1 errors: ISBN',
        hidden = false
    },
    bad_ismn = {
        message = 'Check <code class="cs1-code">#124;ismn=</code>
value',

```

```

        anchor = 'bad_ismn',
        category = 'CS1 errors: ISMN',
        hidden = false
    },
    bad_issn = {
        message = 'Check <code class="cs1-code">&#124;$lissn=</code>
value',
        -- $1 is 'e' or '' for eissn or issn
        anchor = 'bad_issn',
        category = 'CS1 errors: ISSN',
        hidden = false
    },
    bad_jfm = {
        message = 'Check <code class="cs1-code">&#124;jfm=</code>
value',
        anchor = 'bad_jfm',
        category = 'CS1 errors: JFM',
        hidden = false
    },
    bad_lccn = {
        message = 'Check <code class="cs1-code">&#124;lccn=</code>
value',
        anchor = 'bad_lccn',
        category = 'CS1 errors: LCCN',
        hidden = false
    },
    bad_usenet_id = {
        message = 'Check <code class="cs1-code">&#124;message-
id=</code> value',
        anchor = 'bad_message_id',
        category = 'CS1 errors: message-id',
        hidden = false
    },
    bad_mr = {
        message = 'Check <code class="cs1-code">&#124;mr=</code>
value',
        anchor = 'bad_mr',
        category = 'CS1 errors: MR',
        hidden = false
    },
    bad_ol = {
        message = 'Check <code class="cs1-code">&#124;ol=</code>
value',
        anchor = 'bad_ol',
        category = 'CS1 errors: OL',
        hidden = false
    },
    bad_paramlink = {
-- for |title-link=, |author/editor/translator-link=, |series-link=,
|episode-link=
        message = 'Check <code class="cs1-code">&#124;$1=</code>
value',
        -- $1 is parameter name

```

```

        anchor = 'bad_paramlink',
        category = 'CS1 errors: parameter link',
        hidden = false
    },
    bad_pmc = {
        message = 'Check <code class="cs1-code">&#124;pmc=</code>
value',
        anchor = 'bad_pmc',
        category = 'CS1 errors: PMC',
        hidden = false
    },
    bad_pmid = {
        message = 'Check <code class="cs1-code">&#124;pmid=</code>
value',
        anchor = 'bad_pmid',
        category = 'CS1 errors: PMID',
        hidden = false
    },
    bad_oclc = {
        message = 'Check <code class="cs1-code">&#124;oclc=</code>
value',
        anchor = 'bad_oclc',
        category = 'CS1 errors: OCLC',
        hidden = false
    },
    bad_s2cid = {
        message = 'Check <code class="cs1-code">&#124;s2cid=</code>
value',
        anchor = 'bad_s2cid',
        category = 'CS1 errors: S2CID',
        hidden = false
    },
    bad_sbn = {
        message = 'Check <code class="cs1-code">&#124;sbn=</code>
value: $1',
        -- $1 is error message detail
        anchor = 'bad_sbn',
        category = 'CS1 errors: SBN',
        hidden = false
    },
    bad_ssrn = {
        message = 'Check <code class="cs1-code">&#124;ssrn=</code>
value',
        anchor = 'bad_ssrn',
        category = 'CS1 errors: SSRN',
        hidden = false
    },
    bad_url = {
        message = 'Check $1 value',
        -- $1 is parameter name
        anchor = 'bad_url',
        category = 'Pages with URL errors',

```



```

        hidden = false
    },
    bad_zbl = {
        message = 'Check <code class="cs1-code">#124;zbl=</code>
value',
        anchor = 'bad_zbl',
        category = 'CS1 errors: ZBL',
        hidden = false
    },
    bare_url_missing_title = {
        message = '$1 missing title',
-- $1 is parameter name
        anchor = 'bare_url_missing_title',
        category = 'Pages with citations having bare URLs',
        hidden = false
    },
    biorxiv_missing = {
        message = '<code class="cs1-code">#124;biorxiv=</code>
required',
        anchor = 'biorxiv_missing',
        category = 'CS1 errors: bioRxiv',
-- same as bad bioRxiv
        hidden = false
    },
    chapter_ignored = {
        message = '<code class="cs1-code">#124;$1=</code> ignored',
-- $1 is parameter name
        anchor = 'chapter_ignored',
        category = 'CS1 errors: chapter ignored',
        hidden = false
    },
    citation_missing_title = {
        message = 'Missing or empty <code class="cs1-
code">#124;$1=</code>',
        -- $1 is parameter name
        anchor = 'citation_missing_title',
        category = 'Pages with citations lacking titles',
        hidden = false
    },
    citeseerx_missing = {
        message = '<code class="cs1-code">#124;citeseerx=</code>
required',
        anchor = 'citeseerx_missing',
        category = 'CS1 errors: citeseerx',
-- same as bad citeseerx
        hidden = false
    },
    cite_web_url = {
-- this error applies to cite web and to cite podcast
        message = 'Missing or empty <code class="cs1-
code">#124;url=</code>',
        anchor = 'cite_web_url',

```

```

        category = 'Pages using web citations with no URL',
        hidden = false
    },
    class_ignored = {
        message = '<code class="cs1-code">#124;class=</code>
ignored',
        anchor = 'class_ignored',
        category = 'CS1 errors: class',
        hidden = false
    },
    contributor_ignored = {
        message = '<code class="cs1-code">#124;contributor=</code>
ignored',
        anchor = 'contributor_ignored',
        category = 'CS1 errors: contributor',
        hidden = false
    },
    contributor_missing_required_param = {
        message = '<code class="cs1-code">#124;contributor=</code>
requires <code class="cs1-code">#124;$1</code>',          -- $1 is parameter
name
        anchor = 'contributor_missing_required_param',
        category = 'CS1 errors: contributor',
        hidden = false
    },
    deprecated_params = {
        message = 'Cite uses deprecated parameter <code class="cs1-
code">#124;$1</code>',          -- $1 is parameter name
        anchor = 'deprecated_params',
        category = 'CS1 errors: deprecated parameters',
        hidden = false
    },
    doibroken_missing_doi = {
        message = '<code class="cs1-code">#124;$1</code> requires
<code class="cs1-code">#124;doi=</code>',          -- $1 is parameter name
        anchor = 'doibroken_missing_doi',
        category = 'CS1 errors: DOI',
        hidden = false
    },
    empty_citation = {
        message = 'Empty citation',
        anchor = 'empty_citation',
        category = 'Pages with empty citations',
        hidden = false
    },
    etal = {
        message = 'Explicit use of et al. in: <code class="cs1-
code">#124;$1</code>',          -- $1 is parameter name
        anchor = 'explicit_et_al',
        category = 'CS1 errors: explicit use of et al.',
        hidden = false
    }

```

```

    },
    first_missing_last = {
        message = '<code class="cs1-code">#124;$1</code> missing
<code class="cs1-code">#124;$2</code>',          -- $1 is first alias, $2 is
matching last alias
        anchor = 'first_missing_last',
        category = 'CS1 errors: missing name',
-- author, contributor, editor, interviewer, translator
        hidden = false
    },
    format_missing_url = {
        message = '<code class="cs1-code">#124;$1</code> requires
<code class="cs1-code">#124;$2</code>',          -- $1 is format parameter $2
is url parameter
        anchor = 'format_missing_url',
        category = 'Pages using citations with format and no URL',
        hidden = false
    },
    invalid_param_val = {
        message = 'Invalid <code class="cs1-
code">#124;$1=$2</code>',          -- $1 is parameter name $2
is paramter value
        anchor = 'invalid_param_val',
        category = 'CS1 errors: invalid parameter value',
        hidden = false
    },
    invisible_char = {
        message = '$1 in $2 at position $3',
-- $1 is invisible char $2 is parameter name $3 is position number
        anchor = 'invisible_char',
        category = 'CS1 errors: invisible characters',
        hidden = false
    },
    missing_name = {
        message = 'Missing <code class="cs1-
code">#124;$1$2</code>',          -- $1 is modified NameList;
$2 is enumerator
        anchor = 'missing_name',
        category = 'CS1 errors: missing name',
-- author, contributor, editor, interviewer, translator
        hidden = false
    },
    missing_periodical = {
        message = 'Cite $1 requires <code class="cs1-
code">#124;$2</code>',          -- $1 is cs1 template name; $2 is canonical
periodical parameter name for cite $1
        anchor = 'missing_periodical',
        category = 'CS1 errors: missing periodical',
        hidden = true
    },
    missing_pipe = {

```

```

        message = 'Missing pipe in: <code class="cs1-
code">#124;$1=</code>',          -- $1 is parameter name
        anchor = 'missing_pipe',
        category = 'CS1 errors: missing pipe',
        hidden = false
    },
    param_access_requires_param = {
        message = '<code class="cs1-code">#124;$1-access=</code>
requires <code class="cs1-code">#124;$1=</code>',          -- $1 is parameter
name
        anchor = 'param_access_requires_param',
        category = 'CS1 errors: param-access',
        hidden = false
    },
    param_has_ext_link = {
        message = 'External link in <code class="cs1-
code">$1</code>',          -- $1 is parameter name
        anchor = 'param_has_ext_link',
        category = 'CS1 errors: external links',
        hidden = false
    },
    parameter_ignored = {
        message = 'Unknown parameter <code class="cs1-
code">#124;$1=</code> ignored',          -- $1 is parameter name
        anchor = 'parameter_ignored',
        category = 'Pages with citations using unsupported
parameters',
        hidden = false
    },
    parameter_ignored_suggest = {
        message = 'Unknown parameter <code class="cs1-
code">#124;$1=</code> ignored (<code class="cs1-code">#124;$2=</code>
suggested)',          -- $1 is unknown paramter $2 is suggested parameter name
        anchor = 'parameter_ignored_suggest',
        category = 'Pages with citations using unsupported
parameters',
        hidden = false
    },
    redundant_parameters = {
        message = 'More than one of $1 specified',
-- $1 is error message detail
        anchor = 'redundant_parameters',
        category = 'Pages with citations having redundant
parameters',
        hidden = false
    },
    script_parameter = {
        message = 'Invalid <code class="cs1-code">#124;$1=</code>:
$2',          -- $1 is parameter name $2 is script language code or
error detail
        anchor = 'script_parameter',

```

```

        category = 'CS1 errors: script parameters',
        hidden = false
    },
    ssrn_missing = {
        message = '<code class="cs1-code">#124;ssrn=</code>
required',
        anchor = 'ssrn_missing',
        category = 'CS1 errors: ssrn',
-- same as bad arxiv
        hidden = false
    },
    text_ignored = {
        message = 'Text "$1" ignored',
-- $1 is ignored text
        anchor = 'text_ignored',
        category = 'Pages with citations using unnamed parameters',
        hidden = false
    },
    trans_missing_title = {
        message = '<code class="cs1-code">#124;trans-$1=</code>
requires <code class="cs1-code">#124;$1=</code> or <code class="cs1-
code">#124;script-$1=</code>', -- $1 is base parameter name
        anchor = 'trans_missing_title',
        category = 'CS1 errors: translated title',
        hidden = false
    },
    vancouver = {
        message = 'Vancouver style error: $1',
-- $1 is error detail
        anchor = 'vancouver',
        category = 'CS1 errors: Vancouver style',
        hidden = false
    },
    wikilink_in_url = {
        message = 'URL-wikilink conflict',
-- uses ndash
        anchor = 'wikilink_in_url',
        category = 'CS1 errors: URL-wikilink conflict',
-- uses ndash
        hidden = false
    },
}

```

```

--[[-----< I D _ H A N D L E R S >-----
-----

```

The following contains a list of values for various defined identifiers. For each identifier we specify a variety of information necessary to properly render the identifier in the citation.

parameters: a list of parameter aliases for this identifier; first in the list is the canonical form

- link: Wikipedia article name
- redirect: a local redirect to a local Wikipedia article name; at en.wiki, 'ISBN (identifier)' is a redirect to 'International Standard Book Number'
- q: wikidata q number for the identifier
- label: the label preceding the identifier; label is linked to a wikipedia article (in this order):
 - redirect from id_handlers['<id>'].redirect when use_identifier_redirects is true
 - wikidata-supplied article name for the local wiki from id_handlers['<id>'].q
 - local article name from id_handlers['<id>'].link
- mode:
 - 'manual' when there is a specific function in the code to handle the identifier;
 - 'external' for identifiers that link outside of Wikipedia;
- prefix: the first part of a url that will be concatenated with a second part which usually contains the identifier
- encode: true if uri should be percent encoded; otherwise false
- CoinS: identifier link or keyword for use in CoinS:
 - for identifiers registered at info-uri.info use: info:....
 - for identifiers that have CoinS keywords, use the keyword: rft.isbn, rft.issn, rft.eissn
 - for others make a url using the value in prefix, use the keyword: pre (not checked; any text other than 'info' or 'rft' works here)
 - set to nil to leave the identifier out of the CoinS
- separator: character or text between label and the identifier in the rendered citation
- id_limit: for those identifiers with established limits, this property holds the upper limit
- access: use this parameter to set the access level for all instances of this identifier.
 - the value must be a valid access level for an identifier (see ['id-access'] in this file).
- custom_access: to enable custom access level for an identifier, set this parameter
 - to the parameter that should control it (normally 'id-access')

]]

```
local id_handlers = {
  ['ARXIV'] = {
    parameters = {'arxiv', 'eprint'},
    link = 'arXiv',
    redirect = 'arXiv (identifier)',
    q = 'Q118398',
    label = 'arXiv',
    mode = 'manual',
    prefix = '//arxiv.org/abs/',
  }
}
```

```

-- protocol relative tested 2013-09-04
    encode = false,
    COinS = 'info:arxiv',
    separator = ':',
    access = 'free',
-- free to read
    },
    ['ASIN'] = {
        parameters = { 'asin', 'ASIN' },
        link = 'Amazon Standard Identification Number',
        redirect = 'ASIN (identifier)',
        q = 'Q1753278',
        label = 'ASIN',
        mode = 'manual',
        prefix = '//www.amazon.',
        COinS = nil,
-- no COinS for this id (needs thinking on implementation because |asin-tld=)
        separator = '&nbsp;',
        encode = false;
    },
    ['BIBCODE'] = {
        parameters = {'bibcode'},
        link = 'Bibcode',
        redirect = 'Bibcode (identifier)',
        q = 'Q25754',
        label = 'Bibcode',
        mode = 'manual',
        prefix = 'https://ui.adsabs.harvard.edu/abs/',
        encode = false,
        COinS = 'info:bibcode',
        separator = ':',
        custom_access = 'bibcode-access',
    },
    ['BIORXIV'] = {
        parameters = {'biorxiv'},
        link = 'bioRxiv',
        redirect = 'bioRxiv (identifier)',
        q = 'Q19835482',
        label = 'bioRxiv',
        mode = 'manual',
        prefix = '//doi.org/',
        COinS = 'pre',
-- use prefix value
        access = 'free',
-- free to read
        encode = true,
        separator = '&nbsp;',
    },
    ['CITSEERX'] = {
        parameters = {'citeseerx'},
        link = 'CiteSeerX',

```

```

        redirect = 'CiteSeerX (identifier)',
        q = 'Q2715061',
        label = 'CiteSeerX',
        mode = 'manual',
-- manual for custom validation of the "doi"
        prefix = '//citeseerx.ist.psu.edu/viewdoc/summary?doi=',
        COinS = 'pre',
-- use prefix value
        access = 'free',
-- free to read
        encode = true,
        separator = '&nbsp;',
    },
    ['DOI'] = {
-- Used by InternetArchiveBot
        parameters = { 'doi', 'DOI' },
        link = 'Digital object identifier',
        redirect = 'doi (identifier)',
        q = 'Q25670',
        label = 'doi',
        mode = 'manual',
        prefix = '//doi.org/',
        COinS = 'info:doi',
        separator = ':',
        encode = true,
        custom_access = 'doi-access',
    },
    ['EISSN'] = {
        parameters = { 'eissn', 'EISSN' },
        link =
'International_Standard_Serial_Number#Electronic_ISSN',
        redirect = 'eISSN (identifier)',
        q = 'Q46339674',
        label = 'eISSN',
        mode = 'manual',
        prefix = '//www.worldcat.org/issn/',
        COinS = 'rft.eissn',
        encode = false,
        separator = '&nbsp;',
    },
    ['HDL'] = {
        parameters = { 'hdl', 'HDL' },
        link = 'Handle System',
        redirect = 'hdl (identifier)',
        q = 'Q3126718',
        label = 'hdl',
        mode = 'manual',
        prefix = '//hdl.handle.net/',
        COinS = 'info:hdl',
        separator = ':',
        encode = true,

```



```

        custom_access = 'hdl-access',
    },
    ['ISBN'] = {
-- Used by InternetArchiveBot
        parameters = {'isbn', 'ISBN', 'isbn13', 'ISBN13'},
        link = 'International Standard Book Number',
        redirect = 'ISBN (identifier)',
        q = 'Q33057',
        label = 'ISBN',
        mode = 'manual',
        prefix = 'Special:BookSources/',
        COinS = 'rft.isbn',
        separator = '&nbsp;',
    },
    ['ISMN'] = {
        parameters = {'ismn', 'ISMN'},
        link = 'International Standard Music Number',
        redirect = 'ISMN (identifier)',
        q = 'Q1666938',
        label = 'ISMN',
        mode = 'manual',
        prefix = '',
-- not currently used;
        COinS = 'nil',
-- nil because we can't use pre or rft or info:
        separator = '&nbsp;',
    },
    ['ISSN'] = {
        parameters = {'issn', 'ISSN'},
        link = 'International Standard Serial Number',
        redirect = 'ISSN (identifier)',
        q = 'Q131276',
        label = 'ISSN',
        mode = 'manual',
        prefix = '//www.worldcat.org/issn/',
        COinS = 'rft.issn',
        encode = false,
        separator = '&nbsp;',
    },
    ['JFM'] = {
        parameters = {'jfm', 'JFM'},
        link = 'Jahrbuch über die Fortschritte der Mathematik',
        redirect = 'JFM (identifier)',
        q = '',
        label = 'JFM',
        mode = 'manual',
        prefix = '//zbmath.org/?format=complete&q=an:',
        COinS = 'pre',
-- use prefix value
        encode = true,
        separator = '&nbsp;',
    },

```

```

    },
    ['JSTOR'] = {
        parameters = {'jstor', 'JSTOR'},
        link = 'JSTOR',
        redirect = 'JSTOR (identifler)',
        q = 'Q1420342',
        label = 'JSTOR',
        mode = 'external',
        prefix = '//www.jstor.org/stable/',
-- protocol relative tested 2013-09-04
        COinS = 'pre',
-- use prefix value
        encode = false,
        separator = '&nbsp;',
        custom_access = 'jstor-access',
    },
    ['LCCN'] = {
        parameters = {'lccn', 'LCCN'},
        link = 'Library of Congress Control Number',
        redirect = 'LCCN (identifler)',
        q = 'Q620946',
        label = 'LCCN',
        mode = 'manual',
        prefix = '//lccn.loc.gov/',
-- protocol relative tested 2015-12-28
        COinS = 'info:lccn',
-- use prefix value
        encode = false,
        separator = '&nbsp;',
    },
    ['MR'] = {
        parameters = {'mr', 'MR'},
        link = 'Mathematical Reviews',
        redirect = 'MR (identifler)',
        q = 'Q211172',
        label = 'MR',
        mode = 'manual',
        prefix = '//www.ams.org/mathscinet-getitem?mr=',
-- protocol relative tested 2013-09-04
        COinS = 'pre',
-- use prefix value
        encode = true,
        separator = '&nbsp;',
    },
    ['OCLC'] = {
        parameters = {'oclc', 'OCLC'},
        link = 'OCLC',
        redirect = 'OCLC (identifler)',
        q = 'Q190593',
        label = 'OCLC',
        mode = 'manual',
    },

```

```

    prefix = '//www.worldcat.org/oclc/',
    COinS = 'info:oclcnum',
    encode = true,
    separator = '&nbsp;',
  },
  ['OL'] = {
    parameters = { 'ol', 'OL' },
    link = 'Open Library',
    redirect = 'OL (identifier)',
    q = 'Q1201876',
    label = 'OL',
    mode = 'manual',
    prefix = '//openlibrary.org/',
    COinS = nil,
-- no COinS for this id (needs thinking on implementation because
/authors/books/works/OL)
    separator = '&nbsp;',
    encode = true,
    custom_access = 'ol-access',
  },
  ['OSTI'] = {
    parameters = { 'osti', 'OSTI' },
    link = 'Office of Scientific and Technical Information',
    redirect = 'OSTI (identifier)',
    q = 'Q2015776',
    label = 'OSTI',
    mode = 'external',
    prefix = '//www.osti.gov/biblio/',
-- protocol relative tested 2018-09-12
    COinS = 'pre',
-- use prefix value
    encode = true,
    separator = '&nbsp;',
    custom_access = 'osti-access',
  },
  ['PMC'] = {
    parameters = { 'pmc', 'PMC' },
    link = 'PubMed Central',
    redirect = 'PMC (identifier)',
    q = 'Q229883',
    label = 'PMC',
    mode = 'manual',
    prefix = '//www.ncbi.nlm.nih.gov/pmc/articles/PMC',
    suffix = " ",
    COinS = 'pre',
-- use prefix value
    encode = true,
    separator = '&nbsp;',
    id_limit = 7500000,
    access = 'free',
-- free to read

```

```

    },
    ['PMID'] = {
        parameters = {'pmid', 'PMID'},
        link = 'PubMed Identifier',
        redirect = 'PMID (identifier)',
        q = '',
        label = 'PMID',
        mode = 'manual',
        prefix = '//pubmed.ncbi.nlm.nih.gov/',
        COinS = 'info:pmid',
        encode = false,
        separator = '&nbsp;',
        id_limit = 33000000,
    },
    ['RFC'] = {
        parameters = {'rfc', 'RFC'},
        link = 'Request for Comments',
        redirect = 'RFC (identifier)',
        q = 'Q212971',
        label = 'RFC',
        mode = 'external',
        prefix = '//tools.ietf.org/html/rfc',
        COinS = 'pre',
-- use prefix value
        encode = false,
        separator = '&nbsp;',
        access = 'free',
-- free to read
    },
    ['SBN'] = {
        parameters = {'sbn', 'SBN'},
        link = 'Standard Book Number',
-- redirect to International_Standard_Book_Number#History
        redirect = 'SBN (identifier)',
        label = 'SBN',
        mode = 'manual',
        prefix = 'Special:BookSources/0-',
-- prefix has leading zero necessary to make 9-digit sbn a 10-digit isbn
        COinS = nil,
-- nil because we can't use pre or rft or info:
        separator = '&nbsp;',
    },
    ['SSRN'] = {
        parameters = {'ssrn', 'SSRN'},
        link = 'Social Science Research Network',
        redirect = 'SSRN (identifier)',
        q = 'Q7550801',
        label = 'SSRN',
        mode = 'manual',
        prefix = '//ssrn.com/abstract=',
-- protocol relative tested 2013-09-04

```

```

        C0inS = 'pre',
-- use prefix value
        encode = true,
        separator = '&nbsp;',
        id_limit = 4000000,
        access = 'free',
-- always free to read
    },
    ['S2CID'] = {
        parameters = {'s2cid', 'S2CID'},
        link = 'Semantic Scholar',
        redirect = 'S2CID (identifier)',
        q = 'Q22908627',
        label = 'S2CID',
        mode = 'manual',
        prefix = 'https://api.semanticscholar.org/CorpusID:',
        C0inS = 'pre',
-- use prefix value
        encode = false,
        separator = '&nbsp;',
        id_limit = 230000000,
        custom_access = 's2cid-access',
    },
    ['USENETID'] = {
        parameters = {'message-id'},
        link = 'Usenet',
        redirect = 'Usenet (identifier)',
        q = 'Q193162',
        label = 'Usenet:',
        mode = 'manual',
        prefix = 'news:',
        encode = false,
        C0inS = 'pre',
-- use prefix value
        separator = '&nbsp;',
    },
    ['ZBL'] = {
        parameters = {'zbl', 'ZBL' },
        link = 'Zentralblatt MATH',
        redirect = 'Zbl (identifier)',
        q = 'Q190269',
        label = 'Zbl',
        mode = 'manual',
        prefix = '//zbmath.org/?format=complete&q=an:',
        C0inS = 'pre',
-- use prefix value
        encode = true,
        separator = '&nbsp;',
    },
}

```

```

--[[-----< E X P O R T S >-----
-----
]]

return {
    use_identifier_redirects = true,
-- when true use redirect name for identifier label links

    aliases = aliases,
    special_case_translation = special_case_translation,
    date_names = date_names,
    err_msg_supl = err_msg_supl,
    error_conditions = error_conditions,
    editor_markup_patterns = editor_markup_patterns,
    et_al_patterns = et_al_patterns,
    global_df = global_df,
    id_handlers = id_handlers,
    keywords_lists = keywords_lists,
    keywords_xlate = keywords_xlate,
    stripmarkers=stripmarkers,
    invisible_chars = invisible_chars,
    indic_script = indic_script,
    local_lang_cat_enable = local_lang_cat_enable,
    maint_cats = maint_cats,
    messages = messages,
    presentation = presentation,
    prop_cats = prop_cats,
    punct_skip = punct_skip,
    script_lang_codes = script_lang_codes,
    lang_code_remap = lang_code_remap,
    lang_name_remap = lang_name_remap,
    this_wiki_code = this_wiki_code,
    title_types = title_types,
    uncategorized_namespaces = uncategorized_namespaces,
    uncategorized_subpages = uncategorized_subpages,
    templates_using_volume = templates_using_volume,
    templates_using_issue = templates_using_issue,
    templates_not_using_page = templates_not_using_page,
}

```

actions taken to prevent or repair the deterioration of water management infrastructure and to keep the physical components of a water management system in such a state that they can serve their intended function.

one hundredth of an acre (0.004 ha)

Project Management Committee

accreted sediment in a river course or estuary, including both lateral (point-bars) and medial (braid-bars). Chars (or sand bars) emerge as islands within the river channel (island chars) or as attached land to the riverbanks (attached chars), create new opportunities for temporary settlements and agriculture.

Retrieved from

"<https://www.bluegoldwiki.com/index.php?title=Module:Citation/CS1/Configuration&oldid=3520>"

Namespaces

- [Module](#)
- [Discussion](#)

Variants

[Category](#):

- [Modules that check for strip markers](#)

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Blue Gold Program Wiki

The wiki version of the Lessons Learnt Report of the Blue Gold program, documents the experiences of a technical assistance (TA) team working in a development project implemented by the Bangladesh Water Development Board (BWDB) and the Department of Agricultural Extension (DAE) over an eight+ year period from March 2013 to December 2021. The wiki lessons learnt report (LLR) is intended to complement the BWDB and DAE project completion reports (PCRs), with the aim of recording lessons learnt for use in the design and implementation of future interventions in the coastal zone.

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