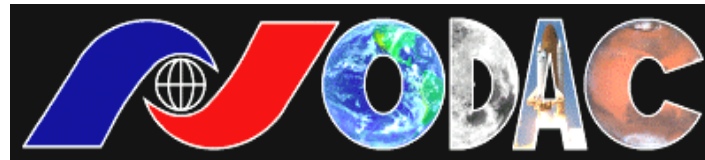




# Automation of Chapter Lists on the NSS Web Site

<http://chapters.nss.org/a/lists/>

a part of Project



NSS On-line Database for Activists and Chapters

Presentation Version 5

March 24, 2007

**Ronnie Lajoie, Chapter Database Administrator  
and NODAC Chief Architect**

Email: [Ronnie@Lajoie.net](mailto:Ronnie@Lajoie.net) — Phone: (256) 509-3833



NSS On-line Database for Activists and Chapters

# Chapter Lists on NSS Web Site




**National Space Society Chapters Network**

<a href="#">Home</a>	<a href="#">Chapters</a>	<a href="#">Resources</a>	<a href="#">News</a>	<a href="#">Committees</a>	<a href="#">Help</a>			
NSS Home	About Us	Join	Donate	Renew	Chapters	Awards	Ad Astra	News
Space Settlement	Reading Space	Legislative	Space Tourism	Links	Store			

Common header and footer for Chapter Web section

## Master Index of National Space Society Chapters



U.S. chapter locations

- [Chapters within United States](#)
- [Chapters outside United States](#)
- [Special Interest Chapters](#)
- [All NSS Chapters \(300 KB\)](#)
- [Chapter Coordinators](#)
- [NSS Affiliate Organizations](#)



Chapter Location Map

Links to image map pages with clickable links to local chapters

Links to tables (see next slide)

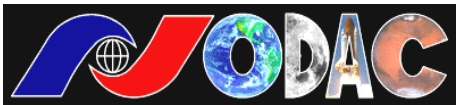
This page allows you to quickly locate and contact representatives of the many chapters of the National Space Society (NSS). The lists below are sorted alphabetically either by Country and State/Province, or by Interest Area or Affiliation. The Service Area is the region from which the Chapter draws its members and audiences. Click on a chapter's name to take you to the contact information.

You may also download a [four-page PDF version](#) of this chapter listing. (updated 13-Oct-2006)



Paper handout also available

Friendly intro to guide visitors



# NSS Chapter Lists: Index List Extract



## Chapters within the United States (click below or [here to browse](#))

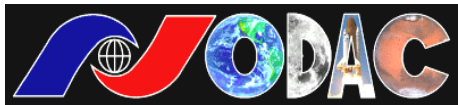
State	Service Area	Chapter Name (click one for more info)
AL	Northern Alabama	<a href="#">Huntsville Alabama L5 Society</a>
AR	Eastern Arkansas	<a href="#">Memphis Space Society</a>
AZ	Central Arizona	<a href="#">Phoenix Chapter of The National Space Society</a>
AZ	Southern Arizona	<a href="#">Tucson L5 Space Society</a>
CA	Central Coast & Valley	<a href="#">NSS Western Spaceport Chapter</a>
CA	Greater Los Angeles	<a href="#">OASIS</a>
CA	Greater Sacramento	<a href="#">Sacramento L5 Society</a>
CA	Orange County	<a href="#">Orange County Space Society</a>
CA	San Francisco Bay Area	<a href="#">Golden Gate Space Frontier Society</a>
CO	Colorado Springs	<a href="#">U.S. Air Force Academy Chapter of NSS</a>
CO	Greater Denver North	<a href="#">Front Range L5 Chapter of the NSS</a>
CO	Greater Denver South	<a href="#">Mile High L5 Society</a>
DC	D.C. Metro Area	<a href="#">DC-L5</a>
:	:	:
TN	South-central Tennessee	<a href="#">Huntsville Alabama L5 Society</a>
TN	Southwest Tennessee	<a href="#">Memphis Space Society</a>
TX	Dallas / Fort Worth Area	<a href="#">NSS of North Texas</a>
TX	Greater Austin	<a href="#">Austin Space Frontier Society</a>
TX	Greater Houston	<a href="#">Clear Lake Area National Space Society</a>
TX	Greater San Antonio	<a href="#">San Antonio Space Society</a>
UT	State of Utah	<a href="#">Utah Space Association</a>
VA	Northern Virginia	<a href="#">DC-L5</a>
WA	Western Washington	<a href="#">NSS Seattle</a>

Link to file containing info on ALL U.S. chapters.

Link to chapter info table in separate State (50 states plus D.C. & Puerto Rico) file (see next slide).

Multiple listings in index tables for chapters that draw members and audiences from across state lines. (This is to help visitors who live in neighboring states.)

Color banding to ease viewing list



NSS On-line Database for  
Activists and Chapters

# NSS Chapter Lists: D.C. Chapters Page



## National Space Society Chapters in Washington, D.C.

[Master Chapter Index](#)  
[Chapters within United States](#)  
[Chapters outside United States](#)

[Special Interest Chapters](#)  
[Chapter Coordinators](#)  
[NSS Affiliate Organizations](#)

Links to NSS Home Page, Master Index, and Index/Data Web pages for each major chapter category.

State	Service Area(s)	Chapter Name	Chapter Code added per vote of Assembly				
DC	D.C. Metro Area Northern Virginia Southern Maryland	DC-L5	Abbrev.	Code	761	Region	<a href="#">7</a>
		Address	P.O. Box 3955 Merrifield, VA 22116-3955				
		Contact	Donnie Lowther				
		Phone	703-354-2665	Fax			
		Email	<a href="mailto:DC-L5@AroundSpace.com">DC-L5@AroundSpace.com</a>				
		Web Site	<a href="http://www.AroundSpace.com/">http://www.AroundSpace.com/</a>				
		Newsletter					
		Meeting Times	monthly, every 1st Sunday, 3:15 - 5:45 PM				
		Meeting Place	<a href="#">Tysons-Pimmit Library</a> at <a href="#">7584 Leesburg Pike, Falls Church, VA</a>				
		Projects	"Around Space" TV program				

Entry lists all Service Areas

Entry based on primary Service Area rather than mailing address

New & restored categories based on what used to be posted on old NSS Web sites

Chapter Code added per vote of Assembly

Region # is link to info table on that Chapter Organizer. (Yes, they're back!)

Email address built using JavaScript to hide it from spambots.

Meeting Place name links to Web site.

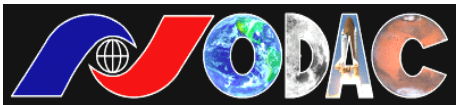
Meeting Place address links to map (see next slide).

(DC chapter data last updated on 12-Jun-2005)

Last update date auto-generated.

**Chapter Leaders:** Please contact the [Chapter List Administrator](#) if the contact information for your chapter is no longer valid.





NSS On-line Database for Activists and Chapters

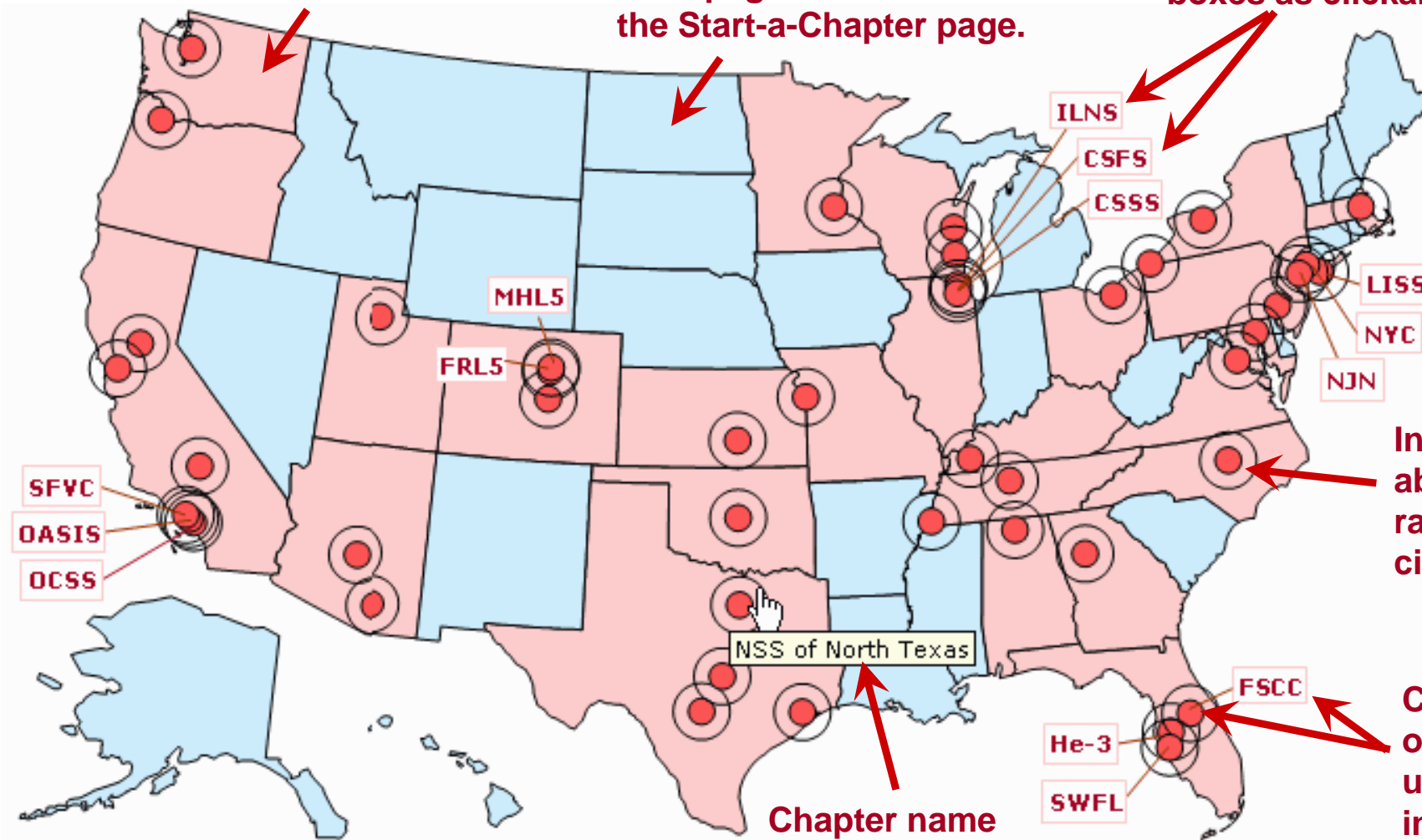
# NSS Locator Maps with "Image Map"



Click on a state to pop up window with State page.

States without a chapter have pages with a link to the Start-a-Chapter page.

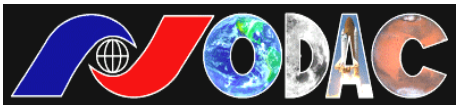
Nearby chapters have extra boxes as clickable links.



Inner circle about 1/2 hour radius; outer circle, 1 hour.

Click on circle or box to bring up chapter info Web page

Chapter name appears as "tooltip" during mouse-over



NSS On-line Database for Activists and Chapters

# U.S. Region Lists on NSS Web Site



<a href="#">Home</a>	<a href="#">Chapters</a>	<a href="#">Resources</a>	<a href="#">News</a>	<a href="#">Committees</a>	<a href="#">Help</a>			
NSS Home	About Us	Join	Donate	Renew	Chapters	Awards	Ad Astra	News
Space Settlement	Reading Space	Legislative	Space Tourism	Links	Store			

## U.S. Region 2 National Space Society Chapters

New chapter list Web page for each U.S. Region



U.S. chapter locations

[Index of Chapters within United States](#)

[Master Index of all NSS Chapters](#)

[Chapters outside United States](#)

[Special Interest Chapters](#)

[Chapter Coordinators](#)

[NSS Affiliate Organizations](#)



U.S. chapter regions

Link to NSS U.S. Region map page with clickable links to these Region list pages

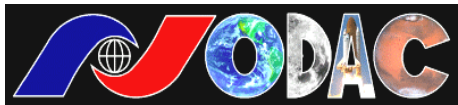
This page allows you to quickly locate and contact representatives of the U.S. Region 2 chapters of the National Space Society (NSS). The list below is sorted alphabetically by State, then Service Area, and then by Chapter Name. The Service Area is the region from which the Chapter draws its members and audiences. Click on a chapter's name to take you to the contact information.

Friendly intro to guide visitors

State	Service Area	Chapter Name (click one for more info)
<a href="#">CA</a>	Greater Sacramento	<a href="#">Sacramento L5 Society</a>
<a href="#">CA</a>	San Francisco Bay Area	<a href="#">Golden Gate Space Frontier Society</a>
<a href="#">OR</a>	Western Oregon	<a href="#">Oregon L5 Society, Inc.</a>
<a href="#">WA</a>	Western Washington	<a href="#">NSS Seattle</a>

Links to tables of contact info for chapters in this NSS Region

(U.S. Region 2 index last updated on 15-Dec-2006)



NSS On-line Database for Activists and Chapters

# Updated Chapter Leaders Email List



Chapter Coordinators & National Leaders

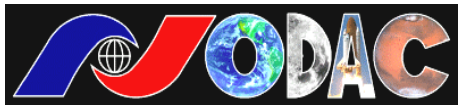
- [apsmith@aps.org](mailto:apsmith@aps.org) (Arthur P. Smith, comm-VPC, ph=631-###-4504)
- [bam@xxxxair.com](mailto:bam@xxxxair.com) (Bruce Mackenzie, comm-IDT, ph=781-###-7027)
- [BMackenzie@alum.mit.edu](mailto:BMackenzie@alum.mit.edu) (Bruce Mackenzie, comm-IDT, ph=781-###-7027)
- [bruce@nss.org](mailto:bruce@nss.org) (Bruce Janele, comm-HQCF, ph=202-429-1600)
- :
- [george@nss.org](mailto:george@nss.org) (George Whitesides, comm-ED, ph=202-429-1600)
- [ghallison@aol.com](mailto:ghallison@aol.com) (Greg Allison, comm-EVP, ph=256-###-5538)
- [hreed@vci.net](mailto:hreed@vci.net) (Harry Reed, comm-R5CO, ph=270-527-2386)
- [joshpowers@cox.net](mailto:joshpowers@cox.net) (Josh Powers, comm-Sec, ph=703-###-9624)
- [KCNSH18@aol.com](mailto:KCNSH18@aol.com) (George Howard, comm-R4CO, ph=816-523-7593)
- [LDAhearn@aol.com](mailto:LDAhearn@aol.com) (Larry Ahearn, comm-R6CO, ph=773-373-0349)
- [lobxxxace@aol.com](mailto:lobxxxace@aol.com) (Mark Hopkins, comm-SOO, ph=310-###-0421)
- :
- [rutledges@nsschapters.org](mailto:rutledges@nsschapters.org) (Bennett Rutledge, comm-USCC, ph=720-529-8024)
- [spxxx@knxxogy.net](mailto:spxxx@knxxogy.net) (Ronnie Lajoie, comm-CIC, ph=256-509-3833)
- [winx12@sevxxxave.com](mailto:winx12@sevxxxave.com) (Brian Lundquist, comm-VPM, ph=503-324-7141)
- [wspaceport@aol.com](mailto:wspaceport@aol.com) (James Spellman, Jr., comm-R1CO, ph=760-379-2503)
- [abbacolo@aol.com](mailto:abbacolo@aol.com) (Regina Howard, chpt-MO-HAMNSS-T, ph=816-523-7593)
- [abrahamswg@networksmm.com.au](mailto:abrahamswg@networksmm.com.au) (Bill Abrahams, chpt-.AU-NSFS-T, ph=61-2-4934-1401)
- [adastracervone@mindspring.com](mailto:adastracervone@mindspring.com) (Eugene Cervone, chpt-NY-NSSNYC-S, ph=718-272-4438)

Name and Phone number from Database (sanitized)

This information is visible only to email list administrators, not to email list members or general public.

Note: MajorDomo management of this email list will be soon replaced by Mailman software.

Chapter Location, Abbrev., Officer Type



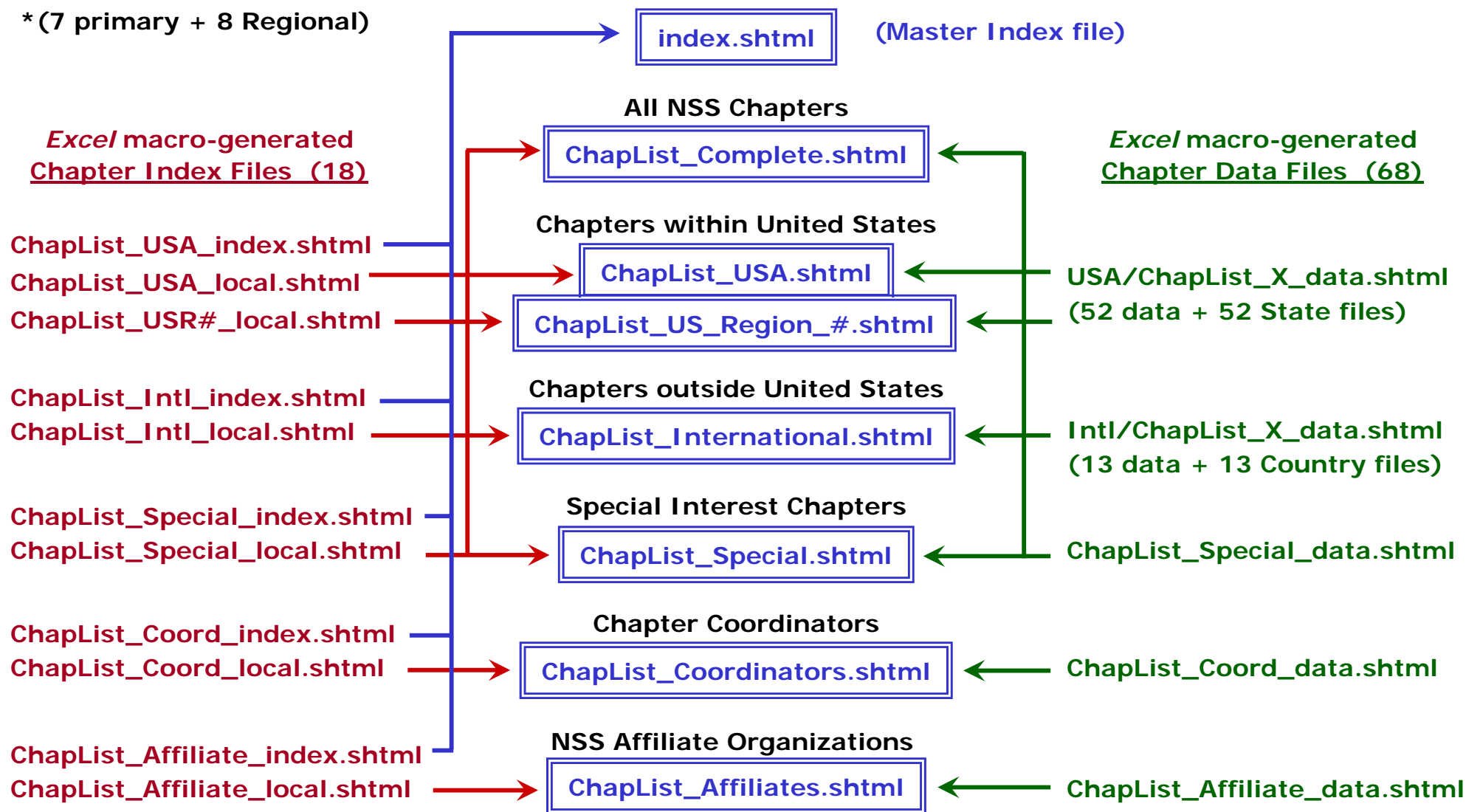
NSS On-line Database for Activists and Chapters

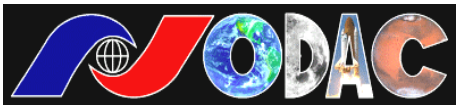
# Chapter Lists made from Multiple Files



15\* chapter list Web pages available at "<http://chapters.nss.org/a/lists/>"

\*(7 primary + 8 Regional)





# Lists made via Server Side Includes (SSI)



```

<body text="black" bgcolor="white">
<!--#include virtual="../../ChapNet_header.shtml"-->
<!--#config timefmt="%d-%b-%Y"-->

<center>
<p align="center" class="a14b">
  <a href="http://www.nss.org/">National Space Society
</p>

<!--#include virtual="../ChapList_common_links.shtml"-
<!--#include virtual="ChapList_DC_data.shtml"-->
<p align="center" class="a9b">
  (DC chapter data last updated on <!--#flastmod virtual="ChapList_DC_data.shtml" -->)
</p>
<hr width="650" size="1" align="center" />

<!--#include virtual="../ChapList_Admin.shtml"-->

<a href="http://validator.w3.org/check?uri=referer"
  onclick="this.href='http://validator.w3.org/check?uri=' + escape(document.URL)">
  </a>
</center>

<!--#include virtual="../../ChapNet_footer.shtml"-->
</body>
</html>

```

Common Web page header and links included via SSI allows quick change.

Data for a chapter stored in just ONE FILE (grouped by State or Country); Web pages obtain data via an SSI call.

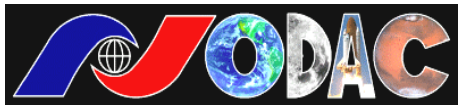
Separate SSI call provides update info.

Chapter List Administrator info also included via SSI allows quick change.

Common Web page footer info also included via SSI allows quick change.

XHTML format validation ensures no browser errors.

ChapList\_DC.shtml file size only 2 KB on server, versus 13 KB when loaded.



NSS On-line Database for Activists and Chapters

# NSS Chapter Data Change Process, 1/2



Change requests sent by email are manually entered into NSS Chapter Database (CDB)

new info



NSS\_Chapter\_Database.xls



Rebuild\_Chapter\_Data\_File



text for "ChapList\_X\_data" files

NSS Chapter Data for Listings.xls



Rebuild\_Index\_Data\_File



text for "ChapList\_X\_index" files

NSS Index Data for Listings.xls



Rebuild\_Coordinator\_Data\_File



text for "ChapList\_Coord\_X" files

NSS Chapter Coords for Listings.xls



Rebuild\_Elist\_Data\_File



text for Chapter Leaders email list

NSS Data for Chapter Email Lists.xls



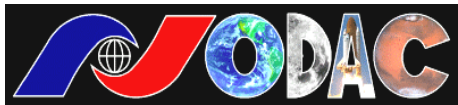
Rebuild\_Online\_Form\_Data\_File



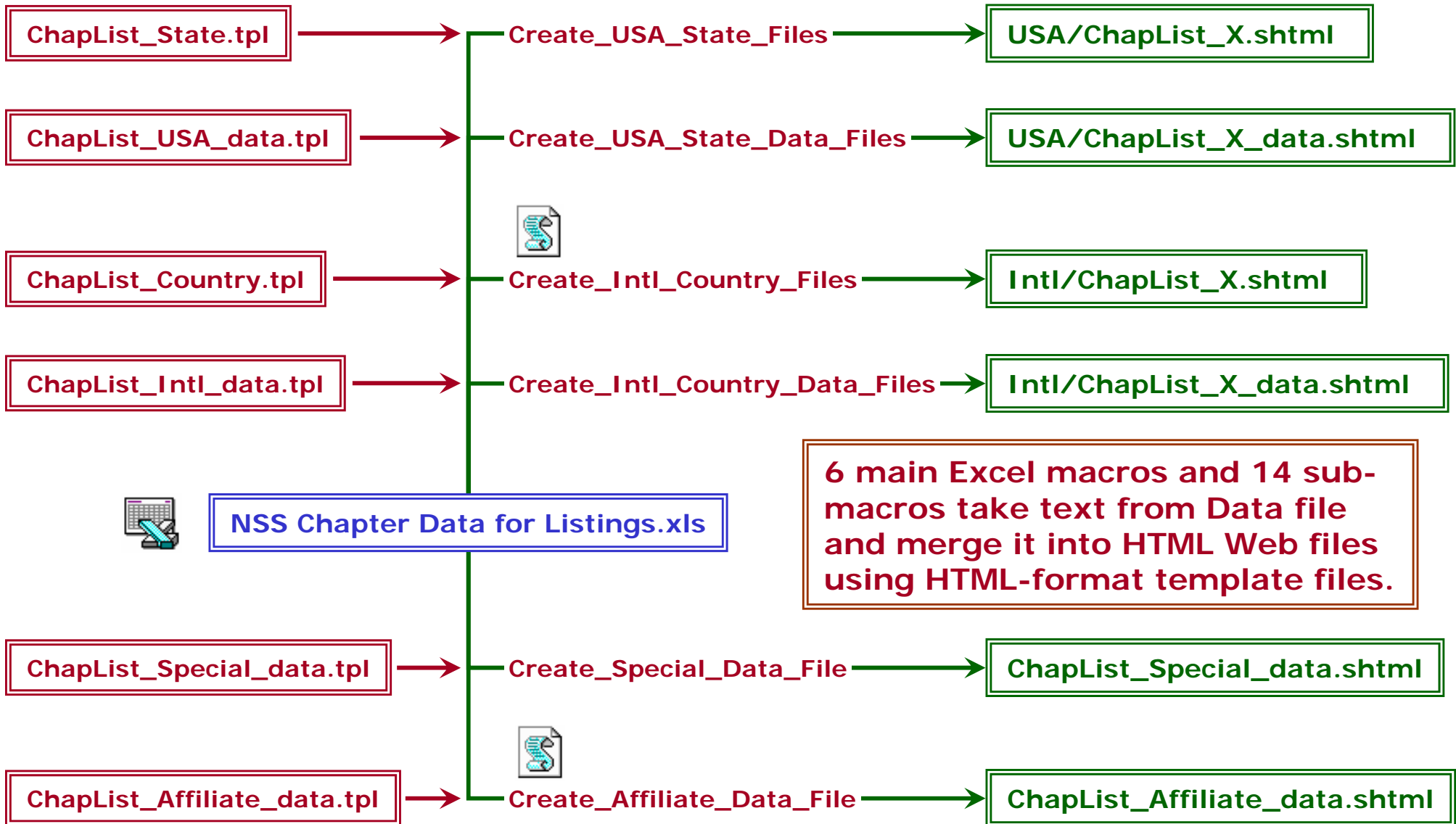
text for chapter list in online forms

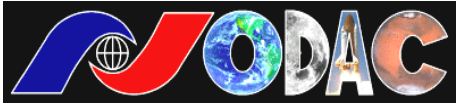
NSS Chapter Data for Online Forms.xls

5 main Excel macros and 32 sub-macros (VBA code) take info from CDB, process it for various uses, and store processed data in 5 intermediate Excel files.



# NSS Chapter Data Change Process, 2/2





# Template File for Chapter Data, 1 of 2



```

<a name="{INDEX_HREF}"</a><br />
<table border="0" cellpadding="2" cellspacing="0" width="100%"
:
<tr bgcolor="{COLOR}">
  <td class="a10b" width="50">{STATE_ABBR}</td>
  <td class="a10b" width="15">&nbsp;</td>
  <td class="a10b" width="">{SERVICE_AREAS}</td>
  <td class="a10b" width="15">&nbsp;</td>
  <td class="a10b" width="400">{CHAPTER_NAMES}</td>
</tr>
:

```

Special fields in Chapter Database for use in building these Web site lists.

Chapter Names (plural) because a few non-U.S. chapters have English name stored in an unused "Street-1" field.

```

Contents = Read_Template_File( "ChapList_USA_data.tpl" )
Contents = Replace(Contents, "{INDEX_HREF}", Chapter_Link)

```

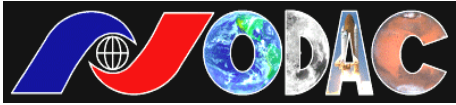
Very simple coding will port easily into PHP for when Chapter Database is moved from Excel into NODAC. Template files can be used AS-IS!

```

" width="100%">
  <td class="a10b" colspan="5">{MAILING_ADDRESS}&nbsp;<br>
    {CITY}, {STATE}&nbsp;<br> {POSTAL_CODE}&nbsp;<br>
  </td>
  <td class="a10b" colspan="5">{CONTACT_NAME}&nbsp;<br>
  </td>
  <td class="a10" width="60">Phone</td>
  <td class="a10b" colspan="2">{CONTACT_PHONE}&nbsp;<br>
  <td class="a10">Fax</td>
  <td class="a10b" colspan="2">{CHAPTER_FAX}&nbsp;<br>
  </td>
:

```

Building a template file just requires replacing data in an existing Web page with field names in curly-brackets.



# Template File for Chapter Data, 2 of 2



JavaScript (JS) used to build email address.

If JS-disabled, mangled email appears instead.

Can be removed if we deem this a security risk, but then NO email address would be displayed if JS is disabled; effects 5-10% of browser users.

This method is not spambot proof, but better than nothing.

Email address split into parts before & after the “@” character, then reversed in JS function.

HTML “&#64;” with extra zeros instead of “@”. Even MS Outlook fooled by space in address.

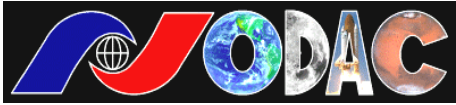
target="\_blank" attribute used to pop up linked pages in a new window.

```

:
<tr>
  <td class="a10" width="60">Email</td>
  <td class="a10b" colspan="5">
    <script type="text/javascript"><!--
      document.write(
        elink_Link("{EMAIL_DOMAIN}","nospam.net","{EMAIL_ACCOUNT}"));!-->
    </script>
    <noscript>
      <a href="mailto:{EMAIL_ACCOUNT} &#0064;{EMAIL_DOMAIN}">
        {EMAIL_ACCOUNT} &#0064;{EMAIL_DOMAIN}</a>
    </noscript>
  </td>
</tr>
<tr>
  <td class="a10" width="60">Web Site</td>
  <td class="a10b" colspan="5"><a href="{CHAPTER_WEB_SITE}"
    target="_blank">{CHAPTER_WEB_SITE}</a> </td>
</tr>
<table border="1" bgcolor="#e6e8fa" cellpadding="5">
  <tr>
    <td class="a10" width="90">Projects</td>
    <td class="a10b" colspan="5">{CHAPTER_PROJECTS} </td>
  </tr>
</table>
:

```

Few differences among template files for U.S., non-U.S., Special, and Affiliate chapters.



# Template Files for Chapter Index Files



```
<tr bgcolor="{COLOR}">
  <td class="a10">{COUNTRY}</td>
  <td class="a10">&nbsp;</td>
  <td class="a10">{STATE}</td>
  <td class="a10">&nbsp;</td>
  <td class="a10">{SERVICE_AREA}</td>
  <td class="a10">&nbsp;</td>
  <td class="a10"><a href="{INDEX_HREF}">{CHAPTER_NAMES}</a></td>
</tr>
```

**Index template file handles just one row of the index table. Shown here is the template for a non-U.S. chapter.**

ChapList\_Intl\_index.tpl

## ChapList\_USA\_index.tpl

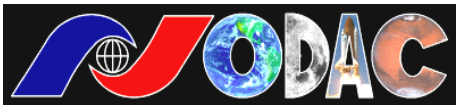
```
<tr bgcolor="{COLOR}">
  <td class="a10">{STATE}</td>
  <td class="a10">&nbsp;</td>
  <td class="a10">{SERVICE_AREA}</td>
  <td class="a10">&nbsp;</td>
  <td class="a10"><a href="{INDEX_HREF}">{CHAPTER_NAMES}</a></td>
</tr>
```

**Shown here is the simpler, 7-line index template for a U.S. chapter.**

## ChapList\_Other\_index.tpl

```
<tr bgcolor="{COLOR}">
  <td class="a10">{SERVICE_AREA}</td>
  <td class="a10">&nbsp;</td>
  <td class="a10"><a href="{INDEX_HREF}">{CHAPTER_NAMES}</a></td>
</tr>
```

**Shown here is the even simpler, 5-line index template for a Special Interest chapter or NSS Affiliate.**



# Sample Generated Chapter Index Files



```

<!--
*** WARNING *** AUTO-GENERATED FILE *** DO NOT EDIT ***

This file was automatically created using Excel macros.
Implement all changes via the Excel Chapter Database,
and then run appropriate macros to recreate this file.

Intl Index file was created on 9/7/2006 at 6:37:29 PM
- -->

```

Top of each *Excel* macro-generated index or data file carries a warning to discourage direct editing.

```

:
<tr bgcolor="#FFFFDD">
  <td class="a10">Germany</td>
  <td class="a10">&nbsp;</td>
  <td class="a10">(all)</td>
  <td class="a10">&nbsp;</td>
  <td class="a10">Germany & Netherl&nbsp;ands</td>
  <td class="a10">&nbsp;</td>
  <td class="a10"><a href="International/ChapList_Germany.shtml#GSS">Deutsche
Raumfahrtgesellschaft e.V. /<br />German Space Society</a></td>
</tr>

```

Note: “&” and other special characters converted to equivalent HTML entities.

“\_index.shtml” files are used for index-only Web pages that refer to file containing chapter data.

(Note: English name appears below name in language.)

ChapList\_Intl\_index.shtml

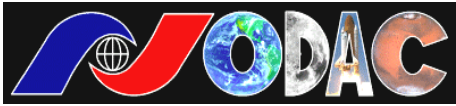
ChapList\_Special\_local.shtml

```

<tr bgcolor="#FFFFDD">
  <td class="a10">Space Nursing</td>
  <td class="a10">&nbsp;</td>
  <td class="a10"><a href="#SNS">Space Nursing Society</a></td>
</tr>

```

“\_local.shtml” files are used for Web pages that include both the index plus the chapter data.



# Summary

- **Chapter Lists on Web Site tied to Database**
  - 100-percent data match between Database and NSS Web site
  - Chapter lists in 3 groups: U.S., non-U.S., and Special Interest
  - Also Web lists for Chapter Coordinators and new NSS Affiliates
  - Chapter listing in *Ad Astra* magazine also tied to Database
  - Next step is to port Chapter Database from Excel to NODAC
- **Multiple Chapter Lists “include” same data files**
  - Same chapter data file included in 3 chapter list Web pages
  - Server-Side Includes merge multiple files into Web pages
- **Changes to Chapter Lists can take only minutes**
  - Requested changes manually copied from email to Database
  - Excel macros generate needed index and/or data SSI files
  - Generated files uploaded to Web site via CyberTeams WSD