

Helpful Hints for Using the



Interactive Library

**For everyone working in industry or academia,
in research and development or practical applications,
these databases offer an invaluable source of
information and references.**

**This significant body of
wood science and technology information
is accessible on the Forest Products Society website:
*www.forestprod.org***

The logo for the Forest Products Society is a stylized, symmetrical emblem. It features a central vertical element resembling a tree trunk or a column, with two vertical lines on either side. This central structure is enclosed within a circular frame that has a decorative, slightly irregular top edge. The entire emblem is set against a light gray background within a square border.

Forest Products Society

*Facilitating technical information exchange for the
international forest products research and industry network*

2801 Marshall Court
Madison, WI 53705-2295
phone: 608-231-1361
fax: 608-231-2152
www.forestprod.org

Overview of the Interactive Library Databases

The Interactive Library is composed of three separate databases which together contain over 22,500 references for technical articles, manuals, and books related to the environmentally sound processing and use of wood resources

FPJ/HSP database

Content: This database includes over 7,200 technical articles published by the Forest Products Society in the *Forest Products Journal (FPJ)* since 1947. In addition, the National Hardwood Lumber Association has supplied over 500 articles from its annual *Hardwood Symposium Proceedings (HSP)*, which were published between 1973 and 2002.

Search By: Searches on the FPJ/HSP database may be conducted by using publication title, author's name, year published, article title, subject area, key terms, and/or species.

Search Results: Searches result in detailed information about each article and an abstract. Users may then decide to access the full-text PDFs.

FPS Publications database

Content: The conference proceedings, guides, manuals, and text books published by the Forest Products Society from 1970 to present are catalogued in this database. Also catalogued are publications distributed by the Society, including the wood technology books previously published by Miller Freeman.

Search By: Searches on the FPS Publications database may be conducted using publication title, year published, key terms, subject area, and/or species.

Search Results: Searches result in detailed information about each publication including a description. Users may then decide to access a PDF of the Table of Contents. Information on the availability of the publication is also provided.

PCforest database

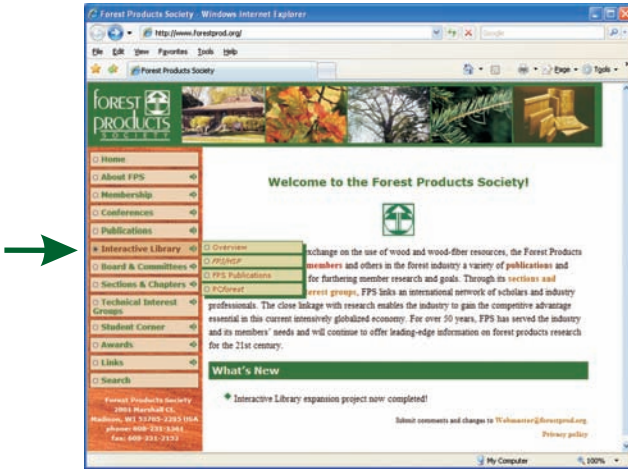
Description: This database contains over 14,600 records for the patents, books, and articles abstracted by the Society. The majority of this information was abstracted from proceedings, laboratory reports, and technical and trade journals published between the years 1974 and 1986. Exceptions to this date range are worldwide articles on wood machining compiled by Dr. Peter Koch and his colleagues, some of which date back to the 1940s.

Search By: Searches on the PCforest database may be conducted using publication title, author's name, article title, year published, subject area, key terms, and/or species.

Search Results: Searches result in a PDF of an abstract and citation information. The full text of each entry is stored in the FPS microfiche library and is available by request.

Accessing the Interactive Library Databases

The Interactive Library databases are available on the Forest Products Society website: www.forestprod.org. Searches on all of the Interactive Library databases may be conducted by both members and nonmembers.



FPJ/HSP database

As a benefit of membership, members of the Forest Products Society are entitled to complete access to the full-text, searchable PDF articles found in this Interactive Library database. Membership is nontransferable, and it is a violation of membership benefits to share access with nonmembers. It is also a violation of membership benefits to download PDFs for nonmembers. Nonmembers may use this Interactive Library database but are required to purchase the PDFs.

If you are a member, be sure to click in the circle “I am a member of the Forest Products Society”, type your last name and membership ID number in the appropriate boxes, and then click “Submit.” After verifying your status as a member of the Society, you will automatically be directed to the Search page. If you are not a member, click in the circle “I am not a member of the Forest Products Society.”

FPS Publications database

Access to the FPS Publications database is free for both members and nonmembers. Publications may be purchased through the secure online shopping cart at member/nonmember prices.

PCforest database

Access to the PCforest database is free to both members and nonmembers. If the full text of an article is requested, it is available on a pay-per-page basis at member/nonmember pricing.

Basic Searching

Each Interactive Library Search page enables you to type (or paste if you use Browse Choices) words or phrases into one or more of the search fields (query boxes).

The screenshot shows a web browser window titled "Search ILPCForest - Windows Internet Explorer" with the URL "http://www.forestprod.org/ilpforestQuery.htm". The page contains several search fields, each with a "Browse Choices" button to its right. The fields are: "Publication title:", "Author:", "Article title:", "Year published:", "Subject areas:", "Key terms:", and "Species:". Each field has a dropdown menu for Boolean operators (AND, OR, NOT) to its left. At the bottom of the page are "Submit Query" and "Reset" buttons. Five numbered callouts with arrows point to: 1. A "Query Box" (the first search field), 2. A "Browse Choices" button, 3. A "Boolean Droplist" (the AND/OR/NOT dropdown), 4. The "Submit Query" button, and 5. The "Reset" button.

What to Do:

1. Type your search criteria into the Query Box ① or click a Browse Choices button ② to paste exact information from the database into the query box. If you fill in more than one query box, results must meet *all* of the criteria.
2. To define your search, use the Boolean operators **&** (*and*), **/** (*or*), **!** (*not*) within a query box. On the left of the query boxes, the Boolean AND, OR, NOT Droplist ③ may be used to combine or limit information *between* query boxes (for example, a specific author AND a specific year).
3. Click Submit Query ④ to search the database.
4. Database records that meet your criteria are displayed in a report.
5. To clear the search criteria, click Reset ⑤.

Using Boolean Logic for Sophisticated Searching

The Interactive Library search system is based on Boolean (and, or, not) logic.

Using Boolean Operators

Using Boolean operators **&** (*and*), **/** (*or*), **!** (*not*) to combine or limit information, allows you to conduct sophisticated searches. Words joined by **&** / **!** are evaluated in left-to-right order: “red **&** white / blue” finds items that are red and white or items that are blue. Use parentheses to control evaluation order: “red **&** (white / blue)” finds items that are red and white or red and blue.

To use Boolean logic *within* a query box, use the Boolean operators **&** (*and*), **/** (*or*), **!** (*not*). For example, in the author field, typing “Jones* **&** Smith*” will find all of the articles written by both Jones and Smith. “Jones* / Smith*” finds articles written by either Jones or Smith, and “Jones* ! Smith*” finds articles written by Jones but not Smith.

Author:
AND ▾ Jones* & Smith* Browse Choices
Type the author's last name followed by an asterisk (*) or use the Browse Choices button.

To use Boolean logic *between* query boxes, use the droplist to the left of the query box. For example in the *FPI/HSP* database, to find all of the articles published in the *Forest Products Journal* on the subject of Adhesives and Adhesion except those that were published in 1995, choose *Forest Products Journal* from Publication title, make sure the Boolean droplist to the left of the Year published is set to NOT, type “1995” in the Year published query box, and then paste “Adhesives and adhesion” from Browse Choices into the Subject areas query box. Click “Submit Query” to search the database.

➔ **Publication title:**
AND ▾ Forest Products Journal Browse Choices
Choose either *Forest Products Journal* or *Hardwood Symposium Proceedings* from the drop-down list. If you would like to search the entire database, leave this query box empty.

➔ **Author:**
AND ▾ Browse Choices
Type the author's last name followed by an asterisk (*) or use Browse Choices.

➔ **Year published:**
NOT ▾ 1995 Browse Choices
Type a single year or type multiple years with a slash (/) between the numbers. Use a colon to search for a range (e.g., 1990:1995 will find articles published between 1990 and 1995 inclusive).

Title of article:
AND ▾ Browse Choices
If you don't know the exact title of the article, use an ampersand (&) between words to indicate that the words must be present. Use a slash (/) between words to indicate that the words can be present.

➔ **Subject areas:**
AND ▾ ="Adhesives and adhesion" Browse Choices
Use Browse Choices to choose from 42 topics.

Key terms:
AND ▾ Browse Choices

Species:
AND ▾ Browse Choices

Additional Tips for Searching

Finding a Term (exact, complete match)

A term is a word or phrase that is a complete entry in a field. To search for a term, precede it with an equal sign (=). For example, =*kiln drying* finds only that complete term; it does not find just *kiln* or just *drying*.

Finding Words and Phrases

Type the word you want to find, or type a phrase to find those words in that order. Use the Boolean operators & (*and*), / (*or*), ! (*not*). Include a space before and after the symbol. For example,

Type this

veneer yield

veneer & yield

veneer / yield

termites ! dampwood termites

To find

this phrase (these words, in this order)

articles that contain both words

(articles that contain just one of the words will be ignored)

articles that contain either word (or both)

termites but not dampwood termites

Word Stems

Another useful search aid is the use of an asterisk (*) to create a word stem. For example, *adhe** typed into the Key terms query box will find *adhesives*, *adhesion*, *adhesive formulation*, and *adhesives*, etc. *Tensile** typed into the Key terms query box will find *tensile failure*, *tensile grips*, and *tensile strength*, etc.

Searching by Year Published

Leaving this query box blank will search all of the years in the database. You may also search for years greater than or less than a certain year or within a range. A range consists of two values, low and high, separated by a colon (include spaces around the colon). Use the Browse Choices button to view the years included in the database and use the symbols shown below.

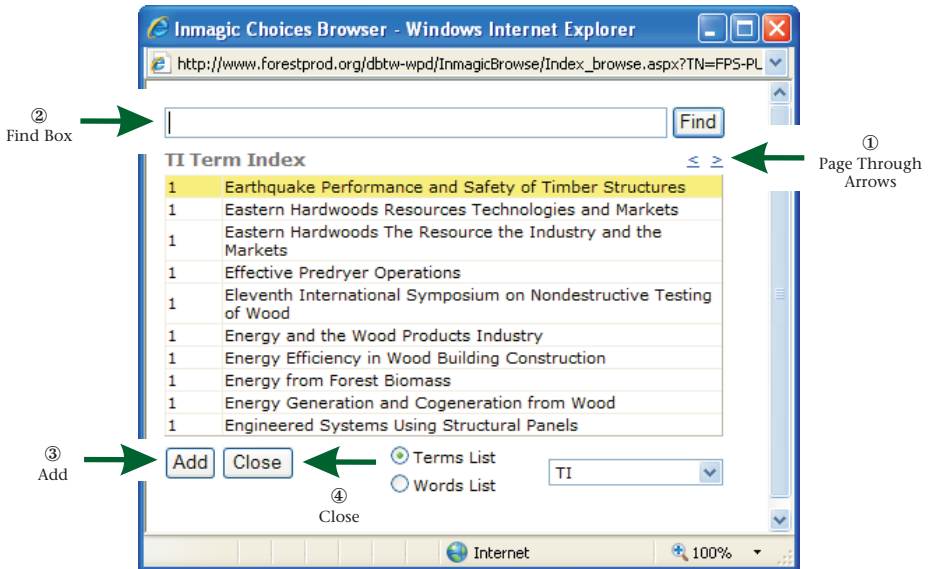
Symbol	Meaning	Example
<	less than (before)	typing "< 1997" finds articles published before 1997
<=	less than or equal to	typing "<= 1997" finds articles published in and before 1997
>	greater than (after)	typing "> 1987" finds articles published after 1987
>=	greater than or equal to	typing ">= 1987" finds articles published in and after 1987
:	between	typing "1991 : 1998" finds articles published between 1991 and 1998, inclusive

Case and Punctuation

Case is usually ignored (typing "allison richard c" will find articles by Allison Richard C). Punctuation is also ignored, except for the Boolean and, or, not symbols (& / !) and the colon (:) used for range searches.

Using Browse Choices

The Browse Choices dialog box shows indexed information exactly as it appears in the database. Adding a word or term to the query box from the Browse Choices list eliminates trial and error searching.



What to Do:

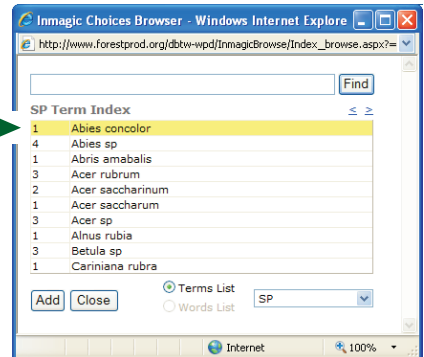
1. Open the Browse Choices dialog box by clicking on the Browse Choices button on the Search page.
2. Page through the indexed information by clicking on the Page Through Arrows \leq and \geq (1) at the top of the dialog box; or, type one or more characters in the Find Box (2) and click "Find" to move to that word or term (or nearest match) in the list of indexed information.
3. Select a word or term from the list. The word or term will be highlighted when selected.
4. Click Add (3) to paste the highlighted word or term into the query box on the Search page. Words or terms can only be added one at a time. If more than one word or term is added to the query box, a Boolean "or" symbol (/) is added between them (for example, if you add "1987" and "1988" to the query box, it will contain "1987 / 1988" for articles published in 1987 or 1988). Before submitting the query, you may change the Boolean operator to & (and) or ! (not).

- Click the Close Button ④ at the bottom of the dialog box when you have finished adding words or terms to the query box.
- Click the Submit Query button on the Search page to conduct your search.

Additional Explanation of the Browse Choices Dialog Box

Term Index Table

The number in the first column in the index table indicates the number of times the word or term appears in that specific field in the database. The second column shows the indexed information exactly as it is used in the database.

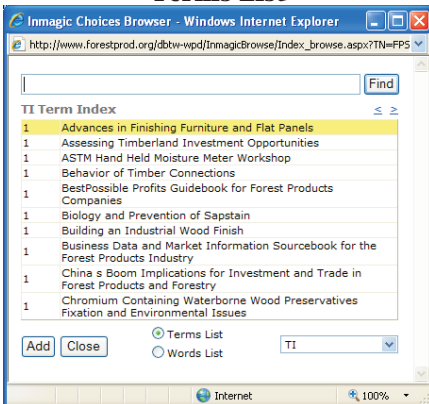


Terms List / Words List

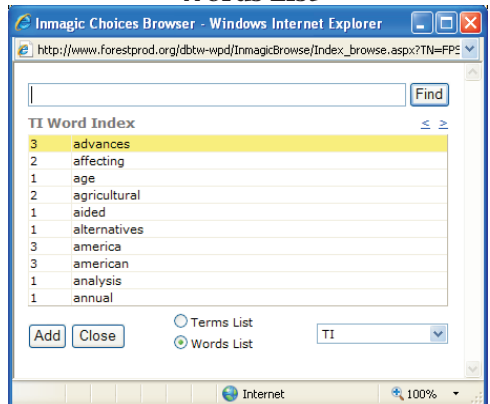
A term is a word or phrase that is a complete entry in a field. The majority of the information in each of the databases is term indexed. In the Publication title field in the FPS Publications database, the information is also word indexed.

Clicking in the circle in the dialog box for the Terms List will display the complete titles of the catalogued publications. Clicking in the circle for the Words List will display each word used in the title separately.

Terms List



Words List



Query Boxes in the *FPJ/HSP* Database

The following query boxes can be used for searching the *FPJ/HSP* database. The Boolean AND, OR, NOT droplist on the left of the query box can be used to combine or limit information in multiple fields.

Publication title

Choose either *Forest Products Journal* or *Hardwood Symposium Proceedings* from the droplist. If you would like to search the entire database, leave this query box empty.

Author

The author's name appears in the database as last name followed by initials or a full first name and middle initial. Because this is a term indexed field, an exact match is required. Type the author's last name followed by an asterisk (*) or click the Browse Choices button to see exactly how an author's name appears in the database and then add this information into the query box. Punctuation is not necessary.

For example: Typing *Morrell** eliminates the guesswork of searching for *Morrell J J* or *Morrell Jeffrey J*. Please note that typing *Adams** will result in articles written by *Adams Daniel*, *Adams Darius*, *Adams Edward L*, and *Adams Roy*, etc.

Title of article

If you do not know the exact title of the article, use an ampersand (&) between words to indicate that all words must be present. Use a slash (/) between words to indicate that the words can be present.

Year published

Leaving this box blank will search all of the years in the database. To refine your search, you may search with Boolean operators & (*and*), / (*or*), ! (*not*) or search within date ranges (see page 7). Use the Browse Choices button to view the years included in the database.

Subject area

Use the Browse Choices button to select from 42 general topic areas assigned to the articles in the *FPJ/HSP* database.

Key terms

Use the Browse Choices button to select from the list of key terms assigned to the articles in the database or type a word stem (for example, *drying** will find *drying*, *drying defects*, *drying degrade*, *drying oils*, etc.).

Species

Use the Browse Choices button to select from a list of species used in this database or type a word stem. Word stems are helpful in avoiding typing or spelling errors. *Liri**, for example, will find *Liriodendron tulipifera*, but *Acer** will find *Acer macrophyllum*, *Acer negundo*, *Acer saccharinum*, and *Acer sp.*, etc.

Query Boxes in the FPS Publications Database

The following query boxes can be used for searching the FPS Publications database. The Boolean AND, OR, NOT droplist on the left of the query box can be used to combine or limit information in multiple fields.

Publication title

The Browse Choices button for Publication title provides the option of searching for words or terms. Clicking on the Terms List in the dialog box will display the complete titles of the catalogued publications. Clicking on the Words List will display each word used in the title separately (see page 9).

Year published

Leaving this box blank will search all of the years in the database. To refine your search, you may search with Boolean operators & (*and*), / (*or*), ! (*not*) or search within date ranges (see page 7). Use the Browse Choices button to view the years included in the database.

Key terms

Use the Browse Choices button to select from the list of key terms assigned to the articles in the database or type a word stem (for example, *drying** will find *drying*, *drying defects*, *drying degrade*, *drying stresses*, etc.).

Subject area

Use the Browse Choices button to select from 42 general topic areas assigned to the titles in the FPS Publications database.

Species

Use the Browse Choices button to select from a list of species used in this database or type a word stem. Word stems are helpful in avoiding typing or spelling errors when searching for species. *Liri**, for example, will find *Liriodendron tulipifera*, but *Acer** will find *Acer rubrum*, *Acer saccharinum*, and *Acer sp.*, etc.

Query Boxes in the PCforest Database

The following query boxes can be used for searching the PCforest database. The Boolean AND, OR, NOT droplist on the left of the query box can be used to combine or limit information in multiple fields.

Publication title

Use the Browse Choices button to view the titles included in this database.

Author

The author's name appears in the database as last name followed by initials. Because this is a term indexed field, an exact match is required. Type the author's last name followed by an asterisk (*) or click on the Browse Choices button to see exactly how the author's name appears in the database and then add this information into the query box. Punctuation is not necessary.

Article title

If you do not know the exact title of the article, use an ampersand (&) between words to indicate that all words must be present. Use a slash (/) between words to indicate that the words can be present.

Year published

Leaving this box blank will search all of the years in the database. To refine your search, you may search with Boolean operators & (and), / (or), ! (not) or search within date ranges (see page 7). Use the Browse Choices button to view the years included in the database.

Subject area

Use the Browse Choices button to select from 38 general topic areas assigned to the titles in the PCforest database.

Key terms

Use the Browse Choices button to select from the list of key terms assigned to the articles in the database or type a word stem (for example, *drying** will find *dry-ing*, *drying rate*, *drying stresses*, *drying theory*, etc.).

Species

Use the Browse Choices button to select from a list of species that are included in this database or use a word stem. Word stems are helpful in avoiding typing or spelling errors when searching for species. *Liri**, for example, will find *Liriodendron tulipifera*, but *Acer** will find *Acer campbelli*, *Acer macrophyllum*, *Acer rubrum*, *Acer saccharinum*, and *Acer sp.*, etc.

Displaying Search Results

A successful search will find one or more database records.

Search Results

The results will be displayed as a report in your web browser. Use the browser controls as you normally would to browse, print, go back, etc.

If your search found more than twelve records, use the Previous and Next buttons on the top or bottom of the list to view additional results.



FPJ/HSP database

The title of each article in the *FPJ/HSP* database acts as a link to a detailed report of the article. The detailed report includes an abstract and access to the full-text, searchable PDF. Members of the Forest Products Society may view and print the PDFs by clicking on the View PDF arrow; nonmembers are required to purchase them. Click the Next and Previous buttons on the top or bottom of the detailed report to page through all of the detailed reports for the articles found in your search.

FPS Publications database

The title of each publication in the FPS Publications database acts as a link to a detailed report for the publication. The detailed report includes a description and access to a PDF of the Table of Contents. Click the Next and Previous buttons on the top or bottom of the detailed report to page through all of the detailed reports for the publications found in your search. Information on the availability of the publication will be provided. Access to the FPS Publications database is free for both members and nonmembers, and available publication may be purchased through the online shopping cart at member/non-member pricing.

PCforest database

The title of each article in the *PCforest* database acts as a link to a detailed report. The detailed report includes citation information and a link to a PDF of an abstract. Click the Next and Previous buttons on the top or bottom of the detailed report to page through all of the detailed reports for the records found in your search. The full text of each record is stored in the FPS microfiche library and is available on a pay-per-page basis at member/nonmember pricing.

Troubleshooting

Having trouble with a search?

Some of the most common questions and problems are discussed below.

Common Questions

Why do I have to include an asterisk in the author's name?

The Author field is term indexed so an exact match is required. Typing *Smith* will not find any records. Typing *Smith** will find all of the articles written by authors with the last name *Smith*. To narrow the list, include the first letter of the author's first name (for example, *Smith P**).

What is the difference between a term and a word?

A term is a word or phrase that is a complete entry in a field (e.g., veneer yield). The majority of the information in each of the databases is term indexed.

How do I know which words can be used to conduct searches?

Use the Browse Choice button on the Search page to view a list of the words or terms that are used to catalogue the information in the database. Within the dialog box, type one or more characters in the Find Box at top of the dialog box and click "Find" to move to that word or term (or nearest match) in the list of indexed information.

I am a Forest Products Society member, so why is the system asking me to pay for the PDFs in the FPJ/HSP database?

Members of the Forest Products Society have complete access to the PDFs within the FPJ/HSP database. When first accessing this database, be sure to click in the circle "I am a member of the Forest Products Society."

I received the error message "Unable to recognize as a correctly formed query." What am I doing wrong?

The system cannot understand the search criteria. Possible problems include typographical errors or extra Boolean operators (for example, you typed "1987 / 1988 /" instead of "1987 / 1988").

If you cannot determine the cause of the error, try a simpler search. Use Browse Choices to add indexed information to the query box instead of typing. If even simple searches do not work, email webmaster@forestprod.org and explain your actions so we may assist in resolving your problem.

My first search worked fine, but my second search doesn't find any records. What am I doing wrong?

Examine the query boxes on the Search page to verify that you don't have criteria remaining from your previous search. Click "Reset" to clear all of the fields.

Common Problems

I found too many records.

- If you used an asterisk, omit it and try an exact search instead (search for *adhesives* instead of *adhe**).
- Try using the Boolean AND, OR, NOT droplist on the left of the query box to combine or limit information in multiple fields.

I didn't find any records.

- Examine the query boxes on the Search page to verify that you don't have criteria remaining from a previous search.
- If you are unsure of the spelling, use an asterisk after the first few characters. This is especially helpful in the Author and Species fields.
- If you tried to perform a complex search, try simplifying the search criteria.
- Use Browse Choices to view and add exact information into the query boxes.
- If your search includes Boolean operators (& / !) or is a range search (:), make sure you have spaces around the symbols.
- When using multiple criteria in a query field, do not use words (and, or, not) for Boolean operators. You must use the symbols (& / !).

When I tried to open a PDF, I received an error message.

- File corruption can occur when PDFs are downloaded. If after trying twice, the problem still occurs, report it to webmaster@forestprod.org. Be sure to include database, title, and author information in your email.

What does "I have exceeded the IP limit" mean and what do I do about it?

- A benefit of FPS membership is full access to the full-text PDF articles contained within the *FPJ/HSP* Interactive Library database. Nonmembers are required to purchase the PDFs. To protect members' rights, the login process verifies member status and logs the IP address of the user's computer. Each member is allowed access with three unique IP addresses (for example, home, office, and laptop). When access is attempted with a fourth IP, access is denied.

To regain access, please send an email to webmaster@forestprod.org, so that we may update your IP login file. You do not need to know your IP numbers to complete this process.

Interactive Library Supporters

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National Hardwood Lumber Association

The Society greatly appreciates the supporting contributions from:

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