



Going Green @ your library:

How to Create a More Environmentally Friendly Library Community

Beth Filar Williams

Distance Education Librarian @ UNCG

greeningyourlibrary@gmail.com

<http://greeningyourlibrary.wordpress.com/>

<http://greeningyourlibrary.pbwiki.com/>

Sustainability...

- *“meeting the needs of the present in such a way that future generations can meet their own needs.”* ([Brutland](#))
- **triple bottom line**: simultaneously creating healthier ecosystems, healthier social systems and healthier economies.
- **3 e's & 3 p's of sustainability**: economy, environment, equity & people, planet and prosperity.

Workshop Goals:

- Understand the importance of environmentally friendly practices in the library setting
- Access greening resources to share with other library staff
- Know of ways to save money, or to possibly earn money, for their library
- Create an action plan utilizing “greening” ideas that can be implemented at their library

Going Green @ *your library* Outline

- Why Go Green?
- Electricity & Energy
- Reducing & Recycling
- Green Building
- Books
- Simple Ideas
- Your action plan

FACT:

Over the past 40+ years US garbage generated has increased yearly from **88 million tons → 251 million tons**

2.68 lbs/person/day (1960) → **4.6** lbs/person/day (2006)

WHY?

*We consume too much
& there is way too much packaging*

FACT:

Indirectly or directly each
American **citizen consumes**
his/her body weight (120 lbs) in
natural resources each day...

75% of it becomes waste.

FACT:

US is only about **5% of the world's population**, yet uses about **25% of the energy resources** consumed a year.

Why Go Green @ *your library*?

- Save energy = save money.
- Conserves natural resources before they are gone.
- Reduces pollution & reduces landfills = better **health** for us.
- Public sector/taxpayers \$ - spend it wisely & save them \$\$.

FACT:

The Electric Power Research Institute estimates that American businesses could **save 50% or more of their electricity they use each year if they looked into better methods.**

FACT:

Whenever you flip an electric switch, you negatively impact the environment.

Electricity is the single greatest industrial source of air pollution → *contributes to smog, acid rain, global warming gasses.*

Save Energy@ *your library*

- Buy Energy Star equipment.
- Replace light bulbs w/ CFLs or LEDs
- Use dimmers on lights.
- Turn down heat at night and holidays.
- Keep lights turned off when not in use and at night.
Try occupancy sensors.
- Vending machines: light up only when people are close. Only chill during working hours.

Save Energy@ *your library*

- [Energystar.gov](http://energystar.gov) for ideas on what to purchase, how your work can be more green...
- [Carbon Footprint Calculator](#) – calc using sq foot, energy, heating, air travel...
- Green-e.org - for renewable energy and greenhouse gas emission reductions info...
- Conduct **Energy Audit** in your library – see energy audit worksheet (*Judith Norton. A How-To: Conduct an Environmental Audit in Your Library. OLA Quarterly 13 no.4: 7-11 Winter07*)

Green IT @ *your library*

- Purchase Energy Star LCD monitors (1/2-2/3 less energy)
- Buy Energy Star laptops (1/5 as much energy as desktop)
- Turn off computers when not in use rather than use screen savers.
- Try reusable ink cartridges or remanufactured. Try Risograph!
- Choose a green web host. *If in house...* ask tech support about server virtualization and thin clients.

FACTS:

- **An average worker throws away 180 lbs of high-grade recyclable paper every year.**
- **A ton of recycled office paper save 380 gallons of oil and 3 cubic yards of landfill space.**

Illinois Recycling FACTS:

- 2,272,000 tons of **paper** - 350 lbs/person; *BUT 379 lbs/person trashed.*
- 897,000,000 **steel cans** – 69/person; *BUT 49 cans/person trashed.*
- 2,879,000,000 **aluminum cans** - 222 cans/person; *BUT 135 cans/person trashed.*
- 618,000,000 **glass containers** – 54 glasses/ per person; *BUT 88 glasses/person trashed.*
- 5 pounds of **plastic bottles**/person; *BUT 20 lbs/person of plastic bottles trashed.*

Reducing Paper @ *your library*

- Read it online.
- Email instead of printing.
- Duplex (printing & copier) Set on automatic duplex? (*US rate is only 15%*)
- Reduce the size of images before you print.
- **FACT:** 1/3 of solid waste in US is paper!
- Reuse paper:
 - print on the other side,
 - use it for notes,
 - have it bound as a “real” scratch pad
- Shred sensitive documents to recycle or use in mailing packages.

Recycling Paper @ *your library*

- **Buy recycled paper:** look for chlorine free alternative bleaching agents.
- **Charge patrons to print.**
- **Recycling Bins:** place one at all staff desks → have one by **patron printer** (and NO trash can).

**PAPER RECYCLING IS GOOD BUT SOURCE
REDUCTION IS BETTER!**

FACT: *IL recycles about 35% of all solid waste .*

FACT:

Less than 10% of electronics are recycled.

Recycled content saves energy, especially aluminum: 10 BTUs from recycled vs. 225 BTUs from virgin materials.

Recycling @ *your library*

Set up **glass, plastic, and aluminum** recycling at work:

- Place containers in **prime locations** - lunch room, by soda machines, next to all trash cans.
- Take turns bringing recycling to location if not available on site.
- Visit earth911.com to find out where you can recycle various materials.

Coffee Mugs @ *your library*

- Bring your own coffee mug to work to use/refill.
- Use real mugs for large meetings instead of Styrofoam or plastic. (dishwasher?)
- If you must, choose paper cups, since it is more biodegradable.
- Offer thermal mugs for sale (via your Friends group?) with the library logo.

Raise money for the library and be eco-friendly!

Plastics @ *your library*

- Did you know that plastics can be grown?
 - dextrose from potatoes, corn and sugar cane can create polylactic acid (PLA) that can be composted and break down w/in 2 weeks. (usually #7)
- Choose safer plastics: #1,2,4,5
 - #1, 4 and 5 often hard to recycle. Check locally!

FACT: Did you know some fleece jackets are made using recycled plastic soda pop bottles?!

Water Bottles @ *your library*

- Bring your own water bottle to work and refill. Look for BPA free.
- Offer water bottles for sale with the library logo. *Raise money for the library and be eco-friendly!*

FACT: Americans use 2.5 million plastic bottles every hour. Only about 23% are ever recycled!

Chicago Area Recycling

- **Resource Center Chicago:** info on recycling, bike initiatives, urban gardens, etc.
<http://www.resourcecenterchicago.org/>
- **Chicago Recycling Coalition:** info on recycling in Chicago; A-Z guide for recycling all types of materials. <http://www.chicagorecycling.org/index.php>
- **IL Recycling Association:** info, links, stats for recycling across the state. <http://www.illinoisrecycles.org/>
- **Recyc-IL:** online place to foster exchange of materials, products & services. <http://recyc-il.org/>
- **Urban Habitat Chicago:** blog, projects, events, links <http://www.urbanhabitatchicago.org/>

FACT:

Well designed green buildings cost *LESS* to operate & maintain than conventionally constructed ones. *Many cost no more to build!*

Use *less* energy through more natural lighting & *less* natural resources wasted.

Native landscaping & local construction items better integrate into their communities *& are more attractive to patrons.*

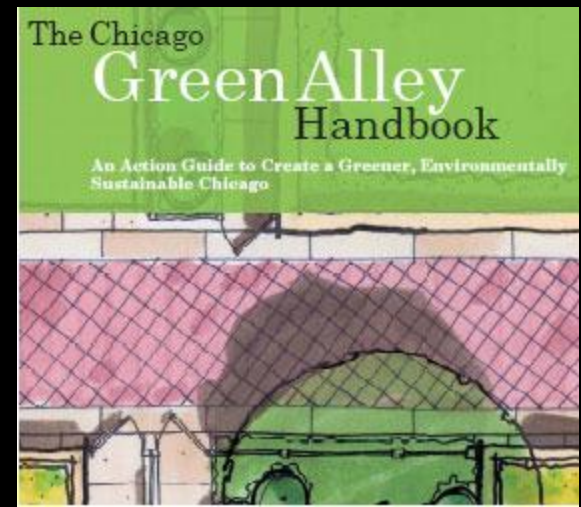
Bottom Line: less likely to cause health problems for workers. (33% less sick!)

Green Building @ *your library*

- Use skylights, atriums, overhangs to minimize over heating a building & to get lots of natural sunlight.
- Create building as a multi use facility.
- Set site with southern exposure to maximize natural winter light.
- Use green (& local) building materials.
- Reuse site materials when designing a new building (such as rock to build a fireplace)
- Install a green rooftop.
- Build raised floors (for heat/air flow underneath and room to rewire)
- Create natural ventilation.

CHICAGO

- 2004 Mayor Daley – all gov't building will be built green.
- Over 250 green roofs, covering 2.5+ million square feet, more than any other U.S. city!
 - [City of Chicago's Green Roof Grant Program](#)
 - [Urban Habitat Chicago](#)
 - [Chicago's Green Alley Project](#)



Green Roof City Hall in Chicago



<http://www.inhabitat.com/2006/08/01/chicago-green-roof-program/>

Go LEED:

Leadership in Energy and Environmental Design

- a nationally accepted, green building rating system, which balances between effective practices and emerging technologies, promotes environmentally responsible, profitable and healthy workplaces.
- Various levels for LEED; gain points for ideas, techniques, and products.



Other Green Elements :

- Can you use local green power or **renewable** energy?
- Can you install **solar panels** on roof for hot water or electricity?
- Save water by getting **faucet aerators & low flow toilets**.
- Install **bike racks** for patrons/staff (show in library for staff cyclists)
- Create a green roof or area **with native potted plants** with seating.
- Can you collect **gray water** for irrigation?
- Other?

Funding your green library

- EERE Financing <http://www.eere.energy.gov/financing>
- Database by State for Incentives for Renewable Energy <http://www.dsireusa.org/>
- Funding Green Buildings
<http://www.fundinggreenbuildings.com/>
- Illinois DNR Schoolyard Habitat Action Grants
<http://dnr.state.il.us/pubaffairs/2008/January/idnr.html>
- NSLS Funding Sources for Going Green
<http://www.nsls.info/articles/detail.aspx?articleID=154>

Book Industry FACTS:

- Use more than **1.5 million metric tons of paper/year** (in US).
- Over half of all publishers set specific goals for increasing use of recycled paper.
- 60% have formal environmental policy (in place or in process).
- About 150 publishers, 10 printers, & 4 paper manufacturers are supporting recycled paper and fiber from forests certified by the **Forest Stewardship Council**.
- [FSC Web site](#) for FSC-Certified paper lists.

Books @ *your library*

- Order more e-books, e-audiobooks, and electronic resources.
- Think about your publishers (how green are they?)
- Read more about [Green Press Initiative](#).
- [Arborday.org](#) offers gift of trees and tree planting kits.
- Check out [EcoLibris.net](#)



Green Weeding @ *your library*

- **Better World Books** (<http://www.betterworldbooks.com/>)
 - Accepts most materials (not old encyclopedia sets).
 - Offers free shipping of books and don't have to be shipped on pallets.
 - Libraries earn a percentage of net sales.
 - Unsold materials are given to their nonprofit partners before recycling.
- **B-logistics** (<http://www.blogistics.com/>)
 - Accepts discards includes CD/DVDs from all types of libraries.
 - Resell online (through amazon, alibris, etc.)
 - A portion net proceeds for back to donor library.
 - Materials not sold are given to their nonprofit literacy partners before recycling.

Altered Books

an artistic method of recycling weeded books:

- Make into a theme, poetry, book report, author study, historical event, even a purse or bench.
- Work with your art teacher at school.
- Public libraries can offer this as a class or for youth.

The following photos are courtesy of Kimberly Hopkins, independent library consultant...

Library Bill of Rights

The American Library Association affirms that all libraries are forums for information and ideas, and that the following basic policies should guide their services.

- I. Books and other library resources should be provided for the interest, information, and enlightenment of all people of the community the library serves. Materials should not be excluded because of the origin, background, or views of those contributing to their creation.
- II. Libraries should provide materials and information presenting all points of view on current and historical issues. Materials should not be proscribed or removed because of partisan or doctrinal disapproval.
- III. Libraries should challenge censorship in the fulfillment of their responsibility to provide information and enlightenment.
- IV. Libraries should cooperate with all persons and groups concerned with resisting abridgment of free expression and free access to ideas.
- V. A person's right to use a library should not be denied or abridged because of origin, age, background, or views.
- VI. Libraries which make exhibit spaces and meeting rooms available to the public they serve should make such facilities available on an equitable basis, regardless of the beliefs or affiliations of individuals or groups requesting their use.

Adopted June 18, 1948.

Amended February 2, 1961, and January 23, 1980,
inclusion of "age" reaffirmed January 23, 1996,
by the ALA Council.

363.3

HOP

Hopkins, Kimberly
Censored, banned,
challenged

DATE DUE

SEP 27 1971

[illegible]

00224 73

1000

NUM 2 174

4/2/88

XXXXXXXXXX

OCT 10 1974

11

DEC 13 1972

MAR 14 1977

GAYLORD

PRINTED IN U.S.A.

the memories we make and
 very worth enduring and
 are worth preserving

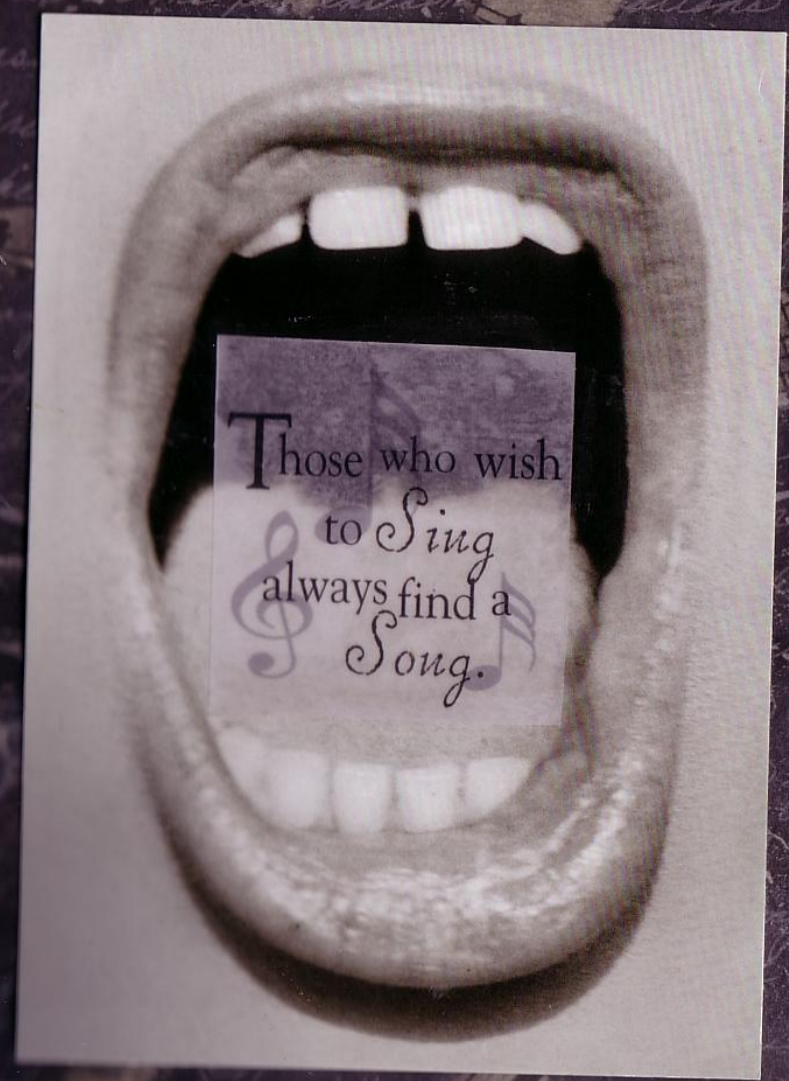
reflect on the legacy of
 all the memories
 so hard times
 of our present
 thus

sing (sin) 1. to create music with one's voice

2. to lift one's voice in song

as well as those of the Eastern Catholic Church.
 we already mentioned St. Ambrose, Bishop of Milan, in con-
 hymnody. He desired to regulate tonality and the way of
 music, so he replaced the heretical hymn with the
 trying thus to eliminate the music of popular street
 and its way into the sanctuary. Also associated with
 of chants, developed from the fourth through
 combining original derivations from early Eastern
 and later Byzantine and Gregorian mod-
 the Ambrosian chant is available to us,
 of Milan; unfortunately, its manu-
 the 1100's. Carl Parrish writes of
 as the melodic rhyme at the
 tion of long sections of the
 repetition of a motive
 throughout our lives are
 the good times so very ende

great our lives
 so endearing
 ayed in the present
 what makes the
 man of our present
 ations to



Those who wish
 to Sing
 always find a
 Song.

The memories we make
 are so endearing
 are so very ende



What is the number in this sequence: 1, 1, 2, 3, 5, 8, 13, ...?

AUTHOR

TITLE

DATE DUE

BORROW

mysteries

$$x + y = 6$$

Q What do you get if you divide the circumference of a jack-o-lantern by its diameter?

A: Pumpkin π

Of mathematics



A small, square, textured object, possibly a piece of wood or stone, with some markings on its surface.

10	3	2	13
5	10	11	8
2	6	7	12
4	15	14	1



DOGS—STORIES

Watson, Helen (Orr) 1892-

Beano, circus dog illus. by Marie C. Nichols. Ariel Bks.
1953

17

Beano, helps his young master realize his
animal act. This is a story, rich in circus

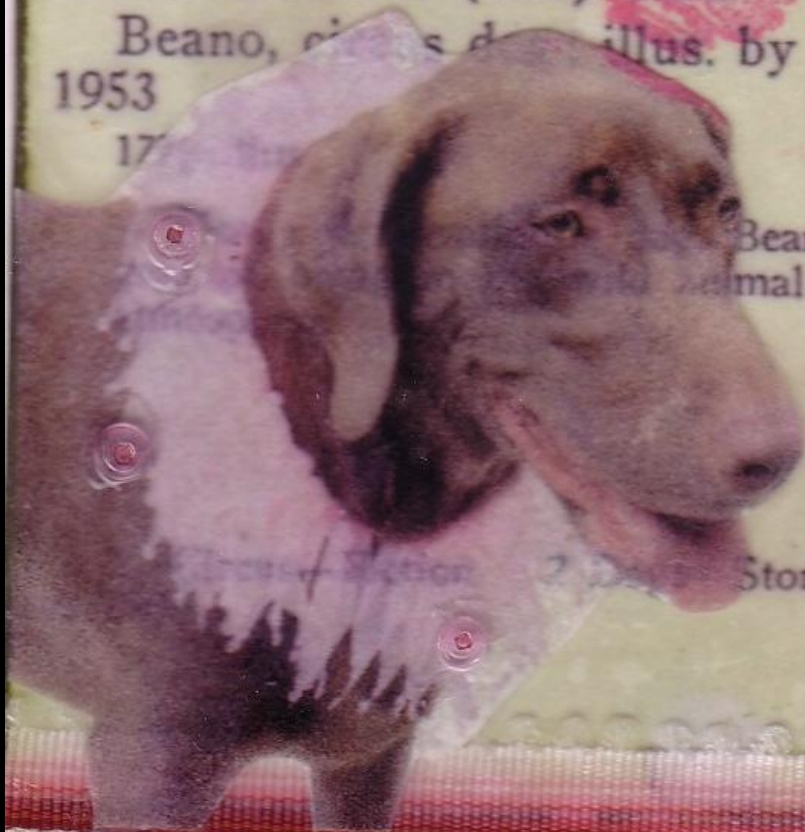
woof!

Circus Fiction

2 Dogs Stories

1 Nichols, Marie C

illus.
jFic



The E. J. Wilson Company

Library of Congress Cataloging in Publication Data

Hopkins, Kimberly C.

Censored, banned, challenged. / written and illustrated by
Kimberly C. Hopkins, Kari L. McGinnis, Laura Jones, Dyani
Jones, and Jennet Jones.

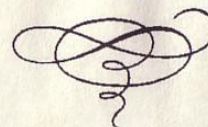
Summary: Presents cases of censorship through a variety of artistic
mediums, information on freedom of expression,

ISBN: 0-1234-5678-9

1. Censorship. 2. Mass media—Censorship. 3. Book selection.
4. Public schools—United States—Censorship. 5. Children's
literature—Censorship. 6. Young adult literature—Censorship.
7. School libraries—Censorship. I. Title.

KH1957.J20 2005 363.3--dc21
h2005050505

*For the librarians everywhere,
who spend their lives in battle against the forces of darkness*



Censorship
Dictionary

In January '04, Mom + I went to Longbeach, CA for a week. It was our 1st trip to California. We were there working for Edison at one of the libraries, weeding books. So many! We brought home quite a few including this one. We'd just heard about altered books + so kept our eyes open for some to use. I liked the spine of this one + it made me think of you! So, here it is - my first + altered book.

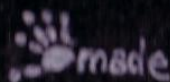


LONG BEACH
UNIFIED SCHOOL DISTRICT

2305751

FOR REFERENCE
NOT TO BE TAKEN FROM
THE LIBRARY

AM 1-04 505200



by Kari

KING LIBRARY
LONG BEACH UNIFIED SCHOOL DISTRICT





Fun Ideas @ *your library*

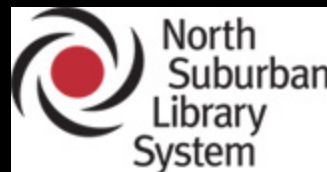
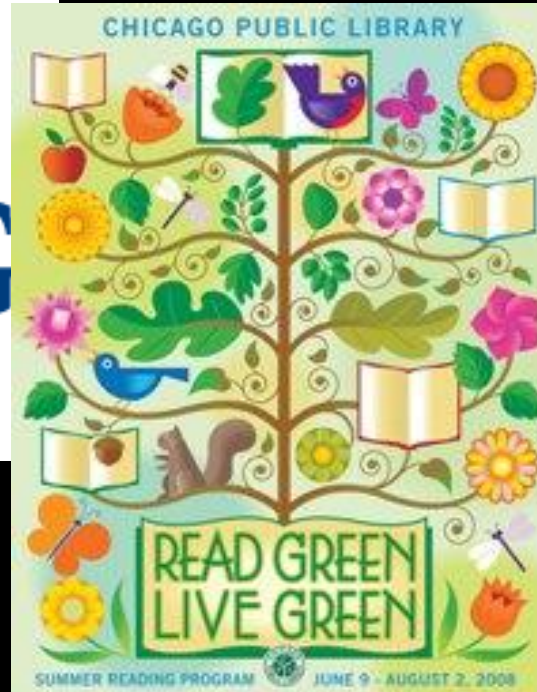
- Plant a tree or garden at your library. Get students, volunteers, community/campus groups involved.
- Plants in your library that are sprouting “babies” → have a plant sale of the offspring and raise a few bucks.
- Green theme for book club or “One Book One Town”
- Sustainability Film Series (or night)
- Green Games, green awards
- Eco-fashion show from trashed clothes or recycled materials.
- Old CDs- there are so many ways to use old CDs for crafts, invitations, wind chimes, etc.

Educate @ your library

Remember to educate users (and staff!) on your “green” programs & ideas:

- Start a green library committee (include users!)
- Create green mission or policy.
- Green blogging.
- Green section on your Web site.
- Display of green resources, events, news, tip of the week...

Simple Ideas @ your library



Travel @ *your library*

- Can you telecommute? Carpool? Use Public transportation? Walk? Bike?
- Does library offer a hybrid vehicles for travel?
- Stay in green hotels.
<http://www.greenhotels.com>
 - Bring your own shampoos, etc.
 - Use your towels for several days.
 - Turn off lights when not in room.
- Use Web base teleconferencing instead.

Travel @ *your library*

- At conferences, don't grab every freebie (only to trash it later.)
- Thank those exhibitors who use greener means to promote their publications, products, and services.
- Choose local restaurants that use organic, local materials. (dinegreen.com)
- Look into local recycling practices.
- Bring your own coffee mug/water bottle.

Cleaning @ *your library*

- Use biodegradable and environmentally friendly cleaning products.
- Buy recycled paper towels and toilet paper, put HEPA filters on vacuums cleaners, and buy floor mats from recycled micro fibers to reduce dust.

These ideas can reduce absenteeism due to environmentally caused factors!

Office Tips @ *your library*

- Look for non-toxic labels on pens and art supplies.
- Always purchase products that are reusable instead of disposable.
- Send faxes via your computer.
- Set standard to double side when printing.
- Use a white/black board instead of notes/paper.
- Reuse envelopes, mailers, packages, etc → re-label over old label... or use for library courier.

Beth Filar Williams

Distance Education Librarian @ UNCG

Email:

greeningyourlibrary@gmail.com

Blog:

<http://greeningyourlibrary.wordpress.com/>

Wiki:

<http://greeningyourlibrary.pbwiki.com/>