Intellectual Property Issues

- Copyright
 - Assume everything on the web is copyrighted including text, images, sound, video. Requires permission from the copyright holder to download, copy, distribute.



- Trademarks
 - All famous marks are registered and watched by web crawlers, including logos and design Domain names that confuse origin or dilute the value of the mark



will be challenged by owners.

Patents

 Obviously. But for the web might be confusing

> . Compton's patent on a search method failed but many e-commerce patents are issued



By Authority





An ACT for the ENCOURAGEMENT of LEARNING, by fecuring the Copies of Maps, Charts and Books, to the of Maps, Charts and Books; to the Authors and Proprietors of Guch Copies, during the Times therein mentioned.

Be it enacted by the Senare and House Big Rerassenrarives of the United States of America, in Congrets allumbled, That from and after the palling of this act, the author and authors of any map, chart, book or books already printed within the felling of States, being a citizen or citizens. United States, being a citizen or citizens thereof, or resident within the same, his or their executors, administrators or affigns, who hath or have not transferred to any other person the copy-right of such map, chart, book or books, share or shares thereof: and any other person or persons, being a citizen or citizens of these United States, or refidents therein, his or their executors, administrators or assigns, their executors, adminifrators or aligns, who hash or have purchased or legally acquired the copy-right of any fuch map, chart, book or books, in order to print, reprint, public or vend the fame, 'hall have the fole right and tilberty of printage, reprinting publishing and venting fact-map, chart, book or books,' for the term of fourteen years from the recording that the theorem is the control of the control herein after directed : And that the author

"If nature has made any one thing less susceptible than all others of exclusive property, it is the action of the thinking power called an idea, which an individual may exclusively possess as long as he keeps it to himself;

but the moment it is divulged,

it forces itself into the possession of every one,

and the receiver cannot dispossess himself of it.

Its peculiar character, too, is that no one possesses the less,

because every other possesses the whole of it.

He who receives an idea from me,

receives instructions himself without lessening mine;

as he who lights his taper at mine, receives light without darkening me.

That ideas should be freely spread from one to another over the globe, for the moral and mutual instruction of man, and improvement of his condition,

seems to have been peculiarly and benevolently designed by nature . . . "

Thomas Jefferson

A Time-limited Monopoly

US Constitution, Article 1, §8:

"The Congress shall have the power ...

To promote the Progress of Science and the Useful Arts,

by securing for limited Times

to authors and inventors

the exclusive Right

to their respective Writings and Discoveries."

The 5 Rights of Copyright Holder

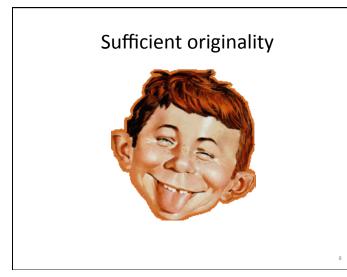
- To reproduce
 - Exemption for Libraries, archives, home recordings, temp copy from the web
- To prepare derivative works
 - Including abstracts, enhancements, translations, digitizing text
- To distribute
 - Exemptions for "face-to-face" instruction but not distance learning
- To display publicly
 - Exemption for instructional broadcasting
- To perform publicly

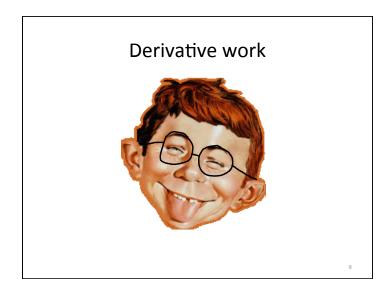
Fair Use

Exemption to Copyright Monopoly

- The Right of the Public to reproduce and distribute without permission for:
 - Criticism and Parod
 - Commentary
 - News Reporting
 - Teaching, scholarship, Research
 - Home Use (off air video and audio)
- But claiming "fair use" is not granted automatically!
- Determining "Fair Use" is Subject to a 4-Factor Test
 - Non-profit vs Commercial Use
 - (Small) number of copies made
 - Amount of text copied
 - Effect of Market potential (dilution of value)

Insufficient originality 7





Increasing duration of copyright Year enacted Max copyright term 1790 28 years (14 + 14 renewal) 1831 42 1909 56 1962 59 1965 61 1967 62 1968 63 1969 64 1970 65 1971 66 1972 1974 life + 50, or 75 (corp) 1976 1998 life + 70, or 95 (corp)

Copyright Basics

· What is Copyrightable

- An original work of authorship [low threshold] that is fixed in a tangible form of medium [more than ephemeral].
- Copyright is automatic (since 1974): No special filing is required
- © symbol is advised but not required
- Ignorance is no defense against copyright infringement.
- Not Copyrightable:

Facts, ideas, titles, short phrases, public domain information

• Who owns the Copyright

 The Author unless "work for hire" or assigned to publisher

· How long does the Copyright lasts

- By Author: Life plus 70 years
- By Employer: 95 years from publication or 120 from creation

One Hundred Fifth Congress of the United States of America

AT THE SECOND SESSION

Begun and held at the City of Washington on Tuesday, the twenty-seventh day of January, one thousand nine hundred and ninety-eight An Act

To amend the provisions of title 17, United States Code, with respect to the duration of copyright, and for other purposes.

 $Be\ it\ enacted\ by\ the\ Senate\ and\ House\ of\ Representatives\ of\ the\ United\ States\ of\ America\ in\ Congress\ assembled,$

TITLE I--COPYRIGHT TERM EXTENSION

SEC. 101. SHORT TITLE.

This title may be referred to as the `Sonny Bono Copyright Term Extension Act'

SEC. 102. DURATION OF COPYRIGHT PROVISIONS.

(a) PREEMPTION WITH RESPECT TO OTHER LAWS- Section 301(c) of title 17, United States Code, is amended by striking 'February 15, 2047' each place it appears and inserting 'February 15, 2067'.

(b) DURATION OF COPYRIGHT: WORKS CREATED ON OR AFTER JANUARY 1, 1978 - Section 302 of title 17, United States Code, is amended --

(1) in subsection (a) by striking 'fifty' and inserting '70';

(2) in subsection (b) by striking 'fifty' and inserting '70';

(3) in subsection (c) in the first sentence--

(A) by striking `seventy-five' and inserting `95'; and

(B) by striking `one hundred' and inserting `120'; and

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Copyrighted on the Web

Medium	Example	Holder
Modern Text	Screenplays, books, poetry, quotes, journals, newspaper articles	Author or publisher
Images	Stills, video, artwork, logos	Photographer, object owner, artist, architect, trademark company
Sound	Performance rights, mechanical rights, synchronization rights	Lyricist, Performer, Studio, Composer
Software	Patents, university employees, trade secrets to 3rd party	Programmer, university, faculty, students, 3rd party
People (pictured or described)	Actors, Recognizable People, have rights of Publicity, of Privacy, against defamation	Individuals, agents, parents

Patent basics

- Definition
 - Application of an idea to create something novel, useful, and non-obvious (prior art)
 - Machines, processes, new forms of matter
 - Covers only the claims specified
 - Provides the right to exclude others from making, selling, using
 - Requires adequate disclosure
- Limits
 - 20 years from date of filing
- Excludes: math formulas, natural laws, mental steps
- Obtained by:
 - Application to US PTO; expensive, claims examined
 - Can be challenged later
- Abridged by: Any use of application
- · Avoided by: Careful search

Trade secret

- Definition
 - Any information that
 - · provides a competitive advantage
 - is kept secret
- Limits
 - Essentially none; unlimited lifetime
- Abridged by
 - Stealing the information
 - Unauthorized passing on
- · Legally avoided by
 - Independent discovery
 - Emergence into the public domain
 - Reverse engineering

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United States Patent
(10)

Kretchman et al.

SASALD CHNTILES SANDWICH

[21]

Senters Lac C. Kretchman (Equa File.)

Mill. (20)

be resorted to, falling within the scope of the invention.

We claim:

- 1. A sealed crustless sandwich, comprising:
- a first bread layer having a first perimeter surface coplanar to a contact surface;
- at least one filling of an edible food juxtaposed to said contact surface;
- a second bread layer juxtaposed to said at least one filling opposite of said first bread layer, wherein said second bread layer includes a second perimeter surface similar to said first perimeter surface;
- a crimped edge directly between said first perimeter surface and said second perimeter surface for sealing said at least one filling between said first bread layer and said second bread layer;
- wherein a crust portion of said first bread layer and said second bread layer has been removed.
- 2. The sealed crustless sandwich of claim 1, wherein said

**Smucker's in Jam over sandwich
April 6: J.M. Smucker Co. is trying to
defend its patent on its version of the
classic peanut butter and jelly sandwich.
NBC'S Fede Williams
Justice correspondent
NBC News
Updated: 7:79 p.m. ET April 6: 2005
It's an American staple, and it can be made about as many ways as
there are lunch boxes.
The classic is on
white bread, but it