

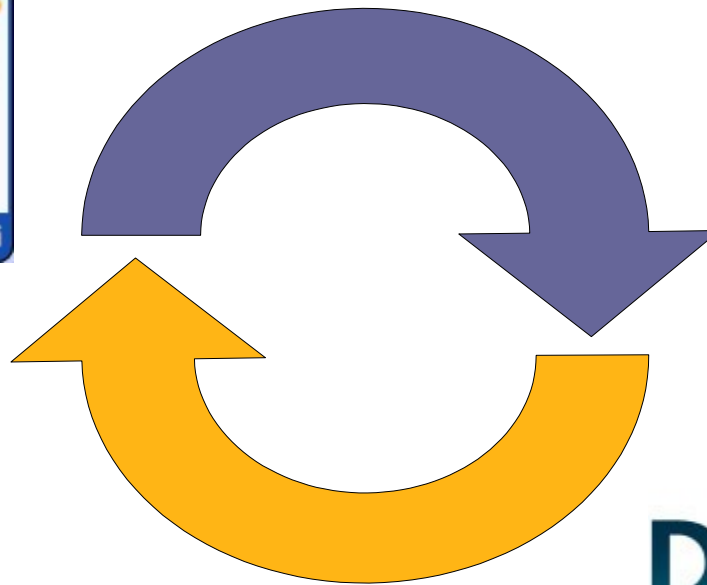
One hands washes the other: round trip semantics with SMW and DBpedia Spotlight

Pablo N. Mendes
Web Based Systems Group
Freie Universität Berlin

Semantic MediaWiki Conference
September 22nd, 2011

The 1min message

From Wikipage Links, Disambiguations, Redirects
we built DBpedia Spotlight



With DBpedia Spotlight, we can help users to create
better Links, Disambiguations and Redirects

Disambiguation Pages



Collectively provide a list of ambiguous terms and meanings for each

But some extra stuff too:

languages

- [Deutsch](#)

Palm

From Wikipedia, the free encyclopedia

Palm or **Palms** may refer to:

- The central region of the front of the [hand](#)
- Various plants:
 - *[Arecaceae](#)* or palm tree, a family of flowering plants belonging to the monocot order *Arecales*
 - *[Cycas revoluta](#)*, a cycad native to southern Japan, sometimes called "Sago palm"
 - [Traveler's palm](#) or *Ravenala madagascariensis*, a species of banana-like plant from Madagascar
 - [The Palmetum, Malakpet](#), a garden specialized for Palm trees.
- [Palm \(PDA\)](#), the personal digital assistant
 - [Palm OS](#), the operating system of such PDAs
 - [Palm, Inc.](#), a hardware manufacturer
- [Palm \(unit\)](#), unit of length
- [The Palms](#), a hotel and casino in Las Vegas, Nevada
- [The Palm \(restaurant\)](#), a restaurant chain originating in New York City
- [Palms, Los Angeles, California](#)
- [Palm branch \(symbol\)](#)
- [Palm Islands](#), three artificial islands off the coast of Dubai
- [Palm Breweries](#), a Belgian company
- [Palm Pictures](#), an arthouse film distribution company
- [Palm Records](#), a Hawaiian company
- [Palm village](#), a resort chain originating in Kolkata, India
- PhotoActivated Localization Microscopy or [PALM](#)

See also

- [Palming](#), a sleight-of-hand technique
- [Palmer](#)
- [Palm reading](#)

Redirects

Apple_Inc

AAPL	Apple Inc	Apple pc
Apple (Company)	Apple Incorporate	Apple's
Apple (Computers)	Apple Incorporated	Apple, Inc
Apple (company)	Apple India	Apple, Inc.
Apple (computer)	Apple comp	Apple,inc.
Apple Company	Apple compputer	Apple.com
Apple Computer	Apple computer	AppleComputer
Apple Computer Co.	Apple computer Inc	Bowman Bank
Apple Computer Inc.	Apple computers	Cripple Inc.
Apple Computer Incorporated	Apple inc	Inc. Apple Computer
Apple Computer, Inc	Apple inc.	Jobs and Wozniak
Apple Computer, Inc.	Apple incoporated	Option-Shift-K
Apple Computers	Apple incorporated	? Inc.

Collectively
provide a list of
name
variations

< but some
extra stuff too

Paragraphs with Wikilinks

(...) Upon their return, Lennon and McCartney went to New York to announce the formation of Apple Corps.

http://dbpedia.org/resource/New_York_City

http://dbpedia.org/resource/Apple_Corps

We built: DBpedia Spotlight

<http://spotlight.dbpedia.org/dev/demo>



Confidence: 0.0

Support: 0

No 'common words'

SELECT TYPES... ANNOTATE 

A tropical cyclone is a [storm](#) system characterized by a large low-pressure [center](#) and numerous thunderstorms that strengthen when water vapor is transported from the ocean to the storm, resulting in condensation and different heat mechanisms. European windstorms are different from other cyclonic systems. A tropical cyclone will form almost exclusively from air masses.

[European windstorm](#) (0.160)

[Thunderstorm](#) (0.148)

[Storm](#) (0.140)

[Extratropical cyclone](#) (0.125)

[Nor'easter](#) (0.109)

[Tropical cyclone](#) (0.0969)

[Storm surge](#) (0.0836)

[Battle](#) (0.0583)

[Extreme weather](#) (0.0564)

[Geomagnetic storm](#) (0.0557)

[Lothar \(storm\)](#) (0.0407)

[Gaza flotilla raid](#) (0.0299)

[Ash Wednesday Storm of 1962](#) (0.0219)

[Xynthia \(storm\)](#) (0.0205)

[Storm window](#) (0.0184)

[Tropical cyclones](#) saturated air rises, they are fueled by a nor'easters, rates tropical cyclones the center of a called "warm core" storm of these systems, which formation in maritime tropical

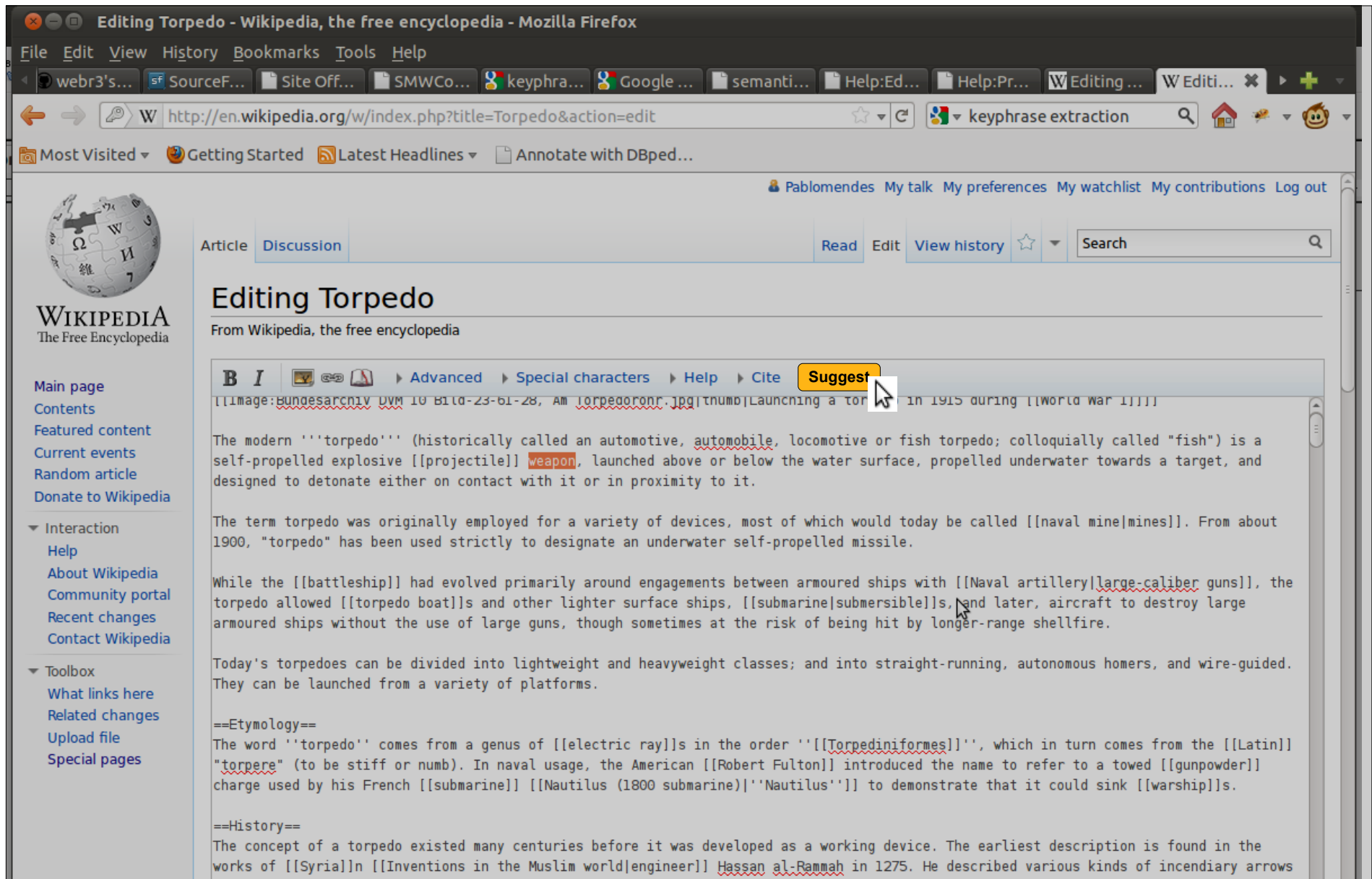
BACK TO TEXT

Round trip

- What can we do with DBpedia Spotlight in Semantic Media Wiki?

The “Suggest” Button

User decides to add a link



The screenshot shows the Wikipedia editing interface for the article "Torpedo". The browser window title is "Editing Torpedo - Wikipedia, the free encyclopedia - Mozilla Firefox". The address bar shows the URL "http://en.wikipedia.org/w/index.php?title=Torpedo&action=edit". The page content includes the Wikipedia logo, navigation tabs for "Article" and "Discussion", and a search bar. The main editing area shows the article text with a "Suggest" button highlighted in yellow. The article text includes a paragraph about the modern torpedo, a paragraph about the term's origin, and a section on etymology.

Editing Torpedo - Wikipedia, the free encyclopedia - Mozilla Firefox

File Edit View History Bookmarks Tools Help

webr3's... SourceF... Site Off... SMWCo... keyphra... Google ... semanti... Help:Ed... Help:Pr... W Editing ... W Editi... x

← → W http://en.wikipedia.org/w/index.php?title=Torpedo&action=edit

keyphrase extraction



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Pablomendes My talk My preferences My watchlist My contributions Log out

Article Discussion Read Edit View history Search

Editing Torpedo

From Wikipedia, the free encyclopedia

B I   [Advanced](#) [Special characters](#) [Help](#) [Cite](#) **Suggest**

[[Image:Bundesarchiv DVM 10 Bild-23-61-28, Am Torpedorort.jpg|thumb|Launching a torpedo in 1915 during [[World War I]]]]

The modern '''torpedo''' (historically called an automotive, [automobile](#), locomotive or fish torpedo; colloquially called "fish") is a self-propelled explosive [\[\[projectile\]\]](#) **weapon**, launched above or below the water surface, propelled underwater towards a target, and designed to detonate either on contact with it or in proximity to it.

The term torpedo was originally employed for a variety of devices, most of which would today be called [\[\[naval mine|mines\]\]](#). From about 1900, "torpedo" has been used strictly to designate an underwater self-propelled missile.

While the [\[\[battleship\]\]](#) had evolved primarily around engagements between armoured ships with [\[\[Naval artillery|large-caliber guns\]\]](#), the torpedo allowed [\[\[torpedo boat\]\]](#)s and other lighter surface ships, [\[\[submarine|submersible\]\]](#)s, and later, aircraft to destroy large armoured ships without the use of large guns, though sometimes at the risk of being hit by longer-range shellfire.

Today's torpedoes can be divided into lightweight and heavyweight classes; and into straight-running, autonomous homers, and wire-guided. They can be launched from a variety of platforms.

==Etymology==

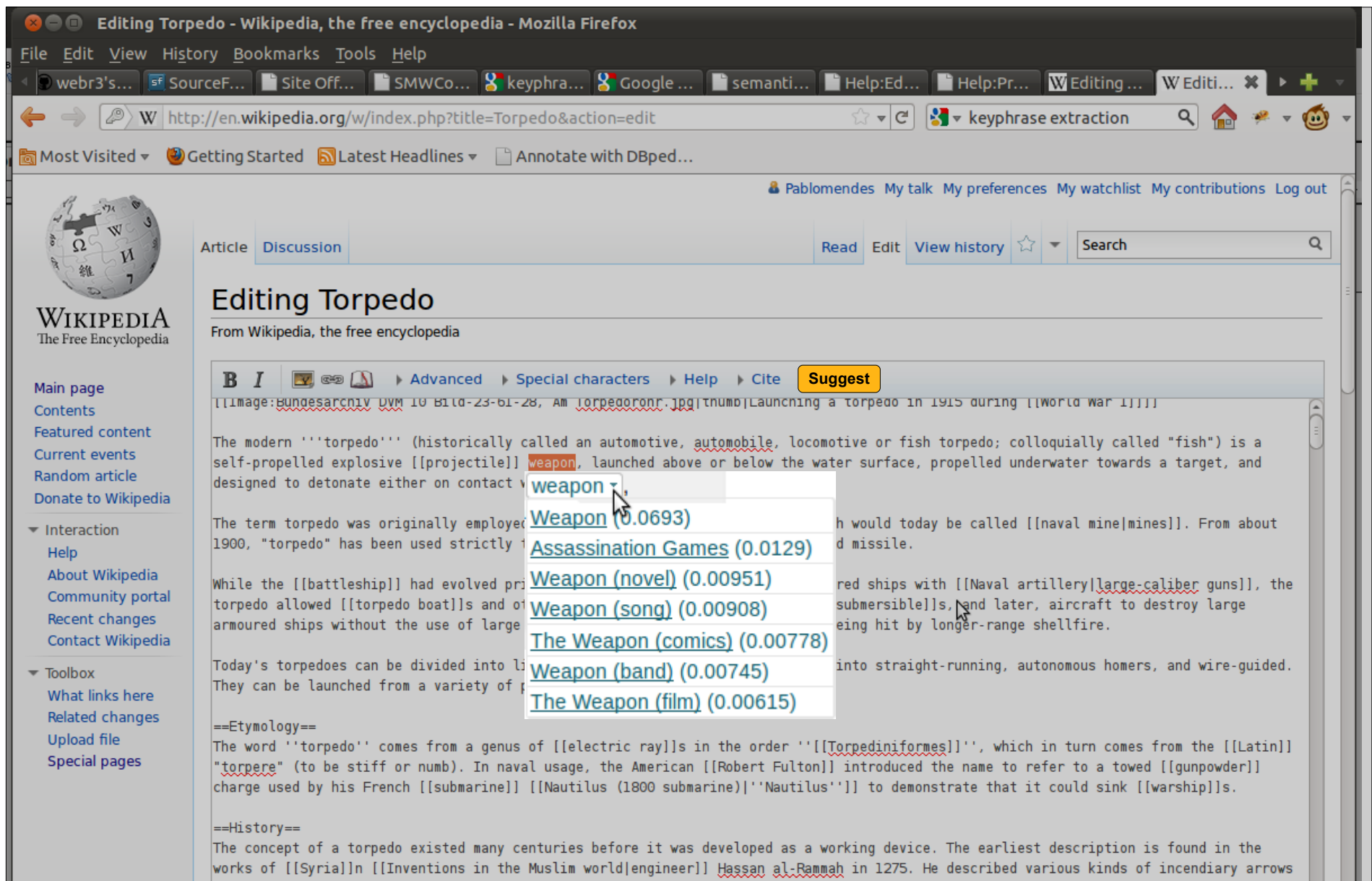
The word '''torpedo''' comes from a genus of [\[\[electric ray\]\]](#)s in the order '''[\[\[Torpediniformes\]\]](#)''', which in turn comes from the [\[\[Latin\]\]](#) ["torpere"](#) (to be stiff or numb). In naval usage, the American [\[\[Robert Fulton\]\]](#) introduced the name to refer to a towed [\[\[gunpowder\]\]](#) charge used by his French [\[\[submarine\]\]](#) ["Nautilus \(1800 submarine\)"](#)'["Nautilus"](#) to demonstrate that it could sink [\[\[warship\]\]](#)s.

==History==

The concept of a torpedo existed many centuries before it was developed as a working device. The earliest description is found in the works of [\[\[Syria\]\]](#)n [\[\[Inventions in the Muslim world|engineer\]\]](#) [Hassan al-Rammah](#) in 1275. He described various kinds of incendiary arrows

The “Suggest” Button

System suggest targets, user chooses



The screenshot shows a Mozilla Firefox browser window with the URL `http://en.wikipedia.org/w/index.php?title=Torpedo&action=edit`. The page is titled "Editing Torpedo" and features a "Suggest" button in the editing toolbar. A dropdown menu is open, displaying several suggested links with their respective scores:

- [weapon](#)
- [Weapon \(0.0693\)](#)
- [Assassination Games \(0.0129\)](#)
- [Weapon \(novel\) \(0.00951\)](#)
- [Weapon \(song\) \(0.00908\)](#)
- [The Weapon \(comics\) \(0.00778\)](#)
- [Weapon \(band\) \(0.00745\)](#)
- [The Weapon \(film\) \(0.00615\)](#)

The background text of the article is partially visible, showing the definition of a torpedo and its etymology.

The “Suggestion”

System returns “see also” link

The screenshot shows a Mozilla Firefox browser window titled "Editing Torpedo - Wikipedia, the free encyclopedia". The address bar shows the URL "http://en.wikipedia.org/w/index.php?title=Torpedo&action=edit". The page content includes the Wikipedia logo, navigation tabs (Article, Discussion), and the article text. The text describes the modern torpedo and its etymology. A red "see also" link is visible in the text: "[[see also:weapon]]".

Editing Torpedo - Wikipedia, the free encyclopedia - Mozilla Firefox

File Edit View History Bookmarks Tools Help

SourceF... Site Off... SMWCo... keyphra... Google ... semanti... Help:Ed... Help:Pr... W Weapo... W Editi... DBpedi...

http://en.wikipedia.org/w/index.php?title=Torpedo&action=edit

keyphrase extraction

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Editing Torpedo

From Wikipedia, the free encyclopedia

B I [Advanced](#) [Special characters](#) [Help](#) [Cite](#)

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Or... no button, autosuggest!

As user types (also for properties)

Editing Torpedo - Wikipedia, the free encyclopedia - Mozilla Firefox

File Edit View History Bookmarks Tools Help

SourceF... Site Off... SMWCo... keyphra... Google ... semanti... Help:Ed... Help:Pr... Weapo... W Editi... DBpedi...

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Torpedo	is a	weapon
Torpedo	is a type of	weapon
Torpedo	isolates	weapon
Torpedo	is an alias for	weapon

to it.

The term torpedo was original

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While the [\[\[battleship\]\]](#) had

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Many link types (aka properties)

- Alternative spelling

“Thorpedo” ([[sometimes spelled::Torpedo]]) is a nickname for Ian Thorpe

- Formerly known as

“Torpedo” was originally employed for [[formerly known as::naval mine]]

- First name, Last name
- Type, Subclass

Disambiguations and redirects can come **automatically** as SMW queries!

Thanks!

*One hand washes the other,
and they both make a better Web.*

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Web: <http://pablomendes.com>

<http://slideshare.net/pablomendes>

<http://spotlight.dbpedia.org>