MeSH autocomplete, and autocompletion more generally with WorldCat.org discovery...

Al Cornish
Washington State University
Autocomplete

Autocomplete is a feature provided by many web browsers, e-mail programs, search engine interfaces, source code editors, database query tools, word processors, and command line interpreters. Autocomplete involves the program predicting a word or phrase that the user wants to type in without the user actually typing it in completely. This feature is effective when it is easy to predict the word being typed based on those already typed, such as when there are a limited number of possible or commonly used words (as is the case with e-mail programs, web browsers, or command line interpreters), or when editing text written in a highly-structured, easy-to-predict language (as in source code editors). Autocomplete speeds up human-computer interactions in environments to which it is well suited. Autocomplete features are often enabled by default, and disabling or defeating them can sometimes be difficult for users to accomplish.

Contents [hide]

1. In web browsers
2. In e-mail programs
3. In search engines
4. In source code editors
5. In database query tools
6. In word processors
7. In command line interpreters
8. Standalone tools
9. Similar tools
10. See also
11. Notes
12. External links

In web browsers
why is my goldfish turning black

why is my goldfish turning black
why is my google chrome not working
why is my goldfish laying on the bottom of the tank
why is my goldfish turning white
why is my go

About 44,800 results (0.19 seconds)

Why is my goldfish turning BLACK? - Yahoo! Answers
Jan 6, 2007 ... ok so i have had my goldfish for 5 MONTHS now and all of a sudden i ... hello, goldfish tend to change color as they become adults. dont worry ...
answers.yahoo.com › Home › All Categories › Pets › Fish - Cached - Similar

Why are my goldfish turning black? - 5 answers - Sep 24, 2010
Why is my goldfish tale turning black? - 2 answers - Mar 23, 2010
My goldfish is turning black? - 14 answers - Aug 14, 2008
Why is my goldfish turning black on one side? - 2 answers - Jan 22, 2008

More results from answers.yahoo.com

Goldfish Turning Black - Kokos Goldfish Forum
Oct 11, 2008 ... I figured this would be the best place to get some answers to my problem. ...
If your goldfish is turning black, I would be concerned that ...
www.kokosgoldfish.invisionzone.com/.../index.php?/...goldfish-turning-black/ - Cached - Similar

Mr.chow's Gorgeous Blue Eyes Are Turning Black... - Dec 26, 2010
Goldfish Color Change - Aug 4, 2009
Orange Oranda Turning Black - Jul 26, 2009
Choose your worldcat discovery module:

Library of Congress Subject Heading  MeSH Descriptors  XW puzzle module

Submit
Choose your worldcat discovery module:

- Library of Congress Subject Heading
- MeSH Descriptors
- XW puzzle module

Start to type your MeSH and suggestions should appear here
Choose your worldcat discovery module:

- Library of Congress Subject Heading
- MeSH Descriptors
- XW puzzle module

Search term: health

Health
Health Services
Health Personnel
Health Status
Health Education
Health Knowledge, Attitudes, Practice
Health Policy
Health Promotion
Health Surveys
Health Services Accessibility
Health Planning
Health Services Needs and Demand
Health Services Research
Health Behavior
Health Care Reform
Health Economics
Choose your worldcat discovery module:

Library of Congress Subject Heading  MeSH Descriptors  XW puzzle module

health physics  
Submit  

Health Physics
Choose your worldcat discovery module:

- Library of Congress Subject Heading
- MeSH Descriptors
- XW puzzle module

health physics

Health Physics
Results for 'hm:"health physics"' [Summit Catalog] - Mozilla Firefox

Search results for 'hm:"health physics"' limited to Libraries Worldwide

Narrow by Format:
- All Formats (1,865)
- Article (1,514)
- Book (347)
  - eBook (67)
  - Thesis/dissertation (22)
  - Microform (2)
- Journal, magazine (46)
  - eJournal/eMagazine (11)
- Video (6)
  - DVD (1)
  - VHS (1)
- Visual material (5)
- Computer file (3)
- Cassette (2)

Results 1-10 of about 1,865 (.32 seconds)

1. Health physics in the 21st century
   by Joseph John Bevelacqua
   Book
   Language: English
   Publisher: Weinheim : Wiley-VCH, @2008.
   Libraries that own this item: Summit
   View all editions and formats

2. Introduction to health physics
   by Herman Cember
   Book
   Language: English
   Publisher: New York : Pergamon Press, @1983.
   Libraries that own this item: Summit
Search results for 'hm:"health physics"' limited to Libraries Worldwide

Results 1-10 of about 1,865 (.32 seconds)

1. **Health physics in the 21st century**
   by Joseph John Bevelacqua
   - Book
   - Language: English
   - Libraries that own this item: Summit

2. **Introduction to health physics**
   by Herman Cember
   - Book
   - Language: English
   - Libraries that own this item: Summit
Health physics in the 21st century

Author: Joseph John Bevelacqua
Edition/Format: Book : English
Summary: Health Physics in the 21st Century offers a proactive approach and focuses on emerging radiation-generating technologies. This is a unique perspective that meets a growing need for a presentation of... Read more...
Searching WorldCat Indexes

Last revised: May 2010

Scope

Purpose

This guide provides comprehensive information about indexes used to retrieve records from WorldCat. OCLC services, including cataloging, reference, and resource sharing, use the same search indexes. Interfaces for searching WorldCat include:

- OCLC Connexion® client and browser (cataloging)
- OCLC CatExpress® in Connexion browser (copy cataloging)
- OCLC FirstSearch® (reference)
- OCLC WorldCat Resource Sharing (interlibrary loan)

This guide shows MARC fields and subfields indexed for each WorldCat index, gives examples, and provides information about how each index works to help construct searches that retrieve the records you need.

Please note: Connexion and FirstSearch support the following non-Latin/non-roman scripts: Arabic, Bengali, Chinese, Cyrillic, Devanagari, Greek, Hebrew, Japanese, Korean, Tamil, and Thai. Many WorldCat indexes support both Latin script and non-Latin
**MeSH (hm: or hm= or hmw=)**

MeSH = Medical subject headings

<table>
<thead>
<tr>
<th>Search by ...</th>
<th>Label</th>
<th>Fields and subfields indexed</th>
<th>Guidelines and/or examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Word</td>
<td>hm:</td>
<td>The following 6xx fields (if indicator 2 = 2):</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>600 a-e g</td>
<td>k m-t v x-z</td>
</tr>
<tr>
<td></td>
<td></td>
<td>610 a-e g</td>
<td>k m-p r-t v x-z</td>
</tr>
<tr>
<td></td>
<td></td>
<td>611 a-c-e g</td>
<td>k n p q t v x-z</td>
</tr>
<tr>
<td>Phrase</td>
<td>hm=</td>
<td>630 a d k m-p r-t v x-z</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>648 a v x-z</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>650 a b v x-z</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>651 a v x-z</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>654 a b v x-z</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>655 a b v x-z</td>
<td></td>
</tr>
<tr>
<td>Whole phrase</td>
<td>hmw=</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Available for searching and browsing; whole phrase index not available in FirstSearch/Resource Sharing.
- Supports non-Latin script searches. Arabic, Bengali, Chinese, Cyrillic, Devanagari, Hebrew, Greek, Japanese, Korean, Tamil, and Thai scripts are currently supported.
- This index includes more fields that are only found in institution records (IRs). See IR indexing information.

**Examples:**

- `hm:diabetes and yr:2005 and mt:vis`
- `hm=womens health and yr:2005`

[Back to index table](#)

**Microform* (mf:)**

*Qualifier index; Connexion only*
Search results for 'hm:"health physics"' limited to Libraries Worldwide

1. Health physics in the 21st century
   by Joseph John Bevelacqua
   - Book
   - Language: English
   - Publisher: Weinheim : Wiley-VCH, @2008.
   - Libraries that own this item: Summit

2. Introduction to health physics
   by Herman Cember
   - Book
   - Language: English
   - Publisher: New York : Pergamon Press, @1983.
   - Libraries that own this item: Summit
Bevelacqua, Joseph John.

1949.


xxiii, 562 p.; 25 cm.

Health Physics.

Medical physics.

Problems, exercises, etc.

Medizinische Physik.

Medical physics.
<datafield ind1="1" ind2="2" tag="650">
  <subfield code="a">Health Physics</subfield>
</datafield>
650 - Subject Added Entry-Topical Term (R)

MARC 21 Bibliographic - Full                        October 2007

First Indicator                                      Second Indicator
Level of subject                                      Thesaurus
# - No information provided                          0 - Library of Congress Subject Headings
0 - No level specified                               1 - LC subject headings for children's literature
1 - Primary                                          2 - Medical Subject Headings
2 - Secondary                                        3 - National Agricultural Library subject authority file

Subfield Codes
Main term portion                                    Control subfields
$a - Topical term or geographic name entry element (NK) $0 - Authority record control number (R)
$b - Topical term following geographic name entry element $2 - Source of heading or term (NR)
(NR)                                                  $3 - Materials specified (NR)
$e - Location of event (NE)                          $4 - Relator term (R)
$d - Active dates (NR)                               $5 - Linkage (NR)
$e - Relator term (R)                                $8 - Field link and sequence number (R)
$4 - Relator code (R)

Subject subdivision portion
$f - Form subdivision (R)
## 650 - Subject Added Entry-Topical Term (R)

**MARC 21 Bibliographic - Full**

### First Indicator

**Level of subject**

- # - No information provided
- 0 - No level specified
- 1 - Primary
- 2 - Secondary

### Second Indicator

**Thesaurus**

- 0 - Library of Congress Subject Headings
- 1 - LC subject headings for children's literature
- 2 - Medical Subject Headings
- 3 - National Agricultural Library subject authority file
- 4 - Source not specified
- 5 - Canadian Subject Headings
- 6 - Répertoire de vedettes-matière
- 7 - Source specified in subfield $2

### Subfield Codes

#### Main term portion

- $a$ - Topical term or geographic name entry element (NK)
- $b$ - Topical term following geographic name entry element (NK)
- $c$ - Location of event (NE)
- $d$ - Active dates (NR)
- $e$ - Relator term (R)
- $f$ - Form subdivision (R)

#### Control subfields

- $0$ - Authority record control number (R)
- $1$ - Source of heading or term (NR)
- $3$ - Materials specified (NR)
- $6$ - Linkage (NR)
- $8$ - Field link and sequence number (R)

---

Library of Congress >> MARC >> Bibliographic >> 650 >> 650
<?php
// PHP Implementation - uses MySQLi.
// connect as a user with select only permissions
$host = 'localhost';
$username = 'user';
$password = 'password';
$database = 'mesh';
$charset = 'utf8mb4';
$dsn = "mysql:dbname=mesh;host=localhost;charset=$charset";
$conn = new mysqli($host, $username, $password, $database);
if (mysqli_connect_errno()) {
    echo "ERROR: Could not connect to the database."
} else {
    // Is there a posted query string?
    if (isset($_POST['queryString'])) {
        $queryString = mysqli_real_escape_string($conn, $_POST['queryString']);
        if (strlen($queryString) > 0) {
            $query = "SELECT value, fitness FROM mesh WHERE value LIKE '%$queryString%' ORDER BY fitness DESC LIMIT 23";
            if ($query) {
                // While there are results loop through them - fetching an Object {I like PHP5 btw!}
                while ($result = $query->fetch_object()) {
                    // Format the results, im using <li> for the list, you can change it.
                    // The onClick function fills the textbox with the result.
                    $cheese = $result->value;
                    $cheese = preg_replace('/\'/, '\\\\', $cheese);
                    echo '<li onClick="textarea(".$cheese.'");">'.$result->value.': '.$result->fitness.'</li>';
                }
            } else {
                echo 'ERROR: There was a problem with the query. '. $_error;
            }
        } else {
            // Don't do anything.
        }
    } else {
        // There is a queryString.
    }
    $page = highlight_file("rpcmesh.php",true);
    echo $page;
}
?>
Code and information for MeSH and LCSH auto-completion for WorldCat.org searching:

http://github.com/jonscott/snac
Good afternoon! Current date and time: January 3 - 12:24 p.m. Pacific

On the burner - My current projects:

**Core systems modernization**

**Unified discovery, delivery of library resources**

**Supporting scholarly communication**

Me: short / tall / grande
Good afternoon! Current date and time: January 3 - 12:24 p.m. Pacific

On the burner - My current projects:

Core systems modernization

Unified discovery, delivery of library resources

Supporting scholarly communication

Me: short / tall / grande

Select an item from the list:

<table>
<thead>
<tr>
<th>Item</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tupac Shakur</td>
<td>Rapper</td>
</tr>
<tr>
<td>Tupac Amaru</td>
<td>Deceased Person</td>
</tr>
<tr>
<td>Túpac Katari</td>
<td>Deceased Person</td>
</tr>
<tr>
<td>Túpac Amaru Revolutionary</td>
<td>Military Combatant</td>
</tr>
<tr>
<td>Túpac Amaru Revolutionary Mover</td>
<td>Military Combatant</td>
</tr>
<tr>
<td>Tupac</td>
<td>Book Edition</td>
</tr>
<tr>
<td>Tupac: Resurrection</td>
<td>Soundtrack</td>
</tr>
<tr>
<td>Tupac: Assassination</td>
<td>Film</td>
</tr>
<tr>
<td>Tupac: Resurrection</td>
<td>Film</td>
</tr>
<tr>
<td>Tupac: Peralta</td>
<td>Musical Artist</td>
</tr>
<tr>
<td>Tupac: Resurrection</td>
<td>Musical Release</td>
</tr>
</tbody>
</table>

view more

SUMMIT

Google search

search www

Google search

search www.wsu.edu
Good afternoon! Current date and time: January 3 - 12:24 p.m. Pacific

Tupac Shakur
Date of birth: Jun 16, 1971
Place of birth: New York City
Musical Genres: Hip Hop, Gangsta rap
Tupac Shakur (June 16, 1971 – September 13, 1996), known by his stage names 2Pac (or simply Pac) and Makaveli, was an American rapper. Shakur has sold over 75 million albums worldwide, making him one of the best-selling music artists in the world.

Select an item from the list:

- Tupac Shakur [Rapper]
- Tupac Amaru [Deceased Person]
- Tupac Katari [Deceased Person]
- Tupac Amaru Revolutionary Mover [Military Combitant]

Tupac
- Resurrection [Book Edition]
- Assassination [Soundtrack]
- Resurrection [Film]
- Peralta [Musical Artist]
- Resurrection [Musical Release]

view more

SUMMIT

Google

search www

Google search
Good afternoon! Current date and time: January 3 - 12:24 p.m. Pacific

On the burner - My current projects:

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Good afternoon! Current date and time: January 3 - 12:24 p.m. Pacific

On the burner - My current projects:

**Core systems modernization**

**Unified discovery, delivery of library resources**

**Supporting scholarly communication**

Me: short / tall / grande
Results for 'Tupac Shakur' limited to Libraries Worldwide

Narrow by Format

- All Formats (607)
- Book (232)
  - eBook (30)
  - Thesis/dissertation (17)
- Music (205)
  - CD (137)
  - Cassette (21)
  - LP (16)
- Video (157)
  - DVD (93)
  - VHS (39)
  - Film (5)
  - eVideo (3)
  - Bluray (1)
- Article (58)
  - Audiobook (44)
  - CD (18)
  - Cassette (4)
  - eAudiobook (1)

Results 1-10 of about 607 (.57 seconds)

1. After Tupac & D Foster
   by Jacqueline Woodson
   Book : Fiction : Juvenile audience
   Language: English
   Libraries that own this item: Summit
   View all editions and formats

2. Holler if you hear me: searching for Tupac Shakur
   by Michael Eric Dyson
   Book : Biography
   Language: English
   Libraries that own this item: Summit
   View all editions and formats
Search results for 'Tupac Shakur' limited to Libraries Worldwide

Narrow by Format
- All Formats (607)
- Book (232)
  - eBook (30)
  - Thesis/dissertation (17)
- Music (205)
  - CD (137)
  - Cassette (21)
  - LP (16)
- Video (157)
  - DVD (93)
  - VHS (39)
  - Film (5)
  - eVideo (3)
  - Bluray (1)
- Article (58)
- Audiobook (44)
  - CD (18)
  - Cassette (4)
  - eAudiobook (1)

Results 1-10 of about 177 (.34 seconds)

1. Greatest hits
   by Tupac Shakur
   - Music CD : CD audio
   - Language: English
   - Libraries that own this item: Summit

2. Playwutchyalike : the best of Digital Underground
   by Digital Underground (Musical group)
   - Music CD : CD audio : Rock music
   - Language: English
   - Libraries that own this item: Summit
**Greatest hits**

**Author:** Tupac Shakur


**Edition/Format:** Music CD : CD audio : English

**More like this**

**Subjects**
- Rap (Music)

**Find a copy in the library**

**Summit**

- Get it from this library group

**3 group libraries own this item**

- Portland State University
- University of Washington Libraries

**Request Summit Item**

**check availability for this item**
Greatest hits
Author: Tupac Shakur

More like this
Subjects
Pep (Music)

Find a copy in the library
Summit
Get it from this library group
3 group libraries own this item
Portland State University
check availability for this item
University of Washington Libraries
check availability for this item
<table>
<thead>
<tr>
<th>No.</th>
<th>Song Title</th>
<th>Performer/Composer</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Keep Ya Head Up</td>
<td>Anderson/Troutman/T</td>
<td>4:23</td>
</tr>
<tr>
<td>2</td>
<td>2 of Amerikaz Most Wanted</td>
<td>Arnaud/Broadus/Two</td>
<td>4:07</td>
</tr>
<tr>
<td>3</td>
<td>Temptations</td>
<td>Clinton/Clinton/Murd</td>
<td>5:02</td>
</tr>
<tr>
<td>4</td>
<td>God Bless the Dead [?]</td>
<td>Two Pac</td>
<td>4:22</td>
</tr>
<tr>
<td>5</td>
<td>Hail Mary</td>
<td>Kastro [1]/Noble/Ri</td>
<td>5:12</td>
</tr>
<tr>
<td>6</td>
<td>Me Against the World</td>
<td>Bacharach/David/Kar</td>
<td>4:39</td>
</tr>
<tr>
<td>7</td>
<td>How Do U Want It?</td>
<td>Jackson/Two Pac</td>
<td>4:48</td>
</tr>
<tr>
<td>8</td>
<td>So Many Tears</td>
<td>Baker/Jacobs/Two Pa</td>
<td>3:58</td>
</tr>
<tr>
<td>9</td>
<td>Unconditional Love [?]</td>
<td>Jackson/Two Pac</td>
<td>3:59</td>
</tr>
<tr>
<td>10</td>
<td>Trapped</td>
<td>Gooden/Two Pac/Tyson</td>
<td>4:45</td>
</tr>
<tr>
<td>11</td>
<td>Life Goes On</td>
<td>Jackson/Two Pac</td>
<td>5:02</td>
</tr>
<tr>
<td>12</td>
<td>Hit 'Em Up</td>
<td>Golde/Hitchings/Lam</td>
<td>5:12</td>
</tr>
<tr>
<td>13</td>
<td>Troublesome '96 [?]</td>
<td>Jackson/Two Pac</td>
<td>4:36</td>
</tr>
<tr>
<td>14</td>
<td>Brenda's Got a Baby</td>
<td>Evans/Two Pac</td>
<td>4:54</td>
</tr>
<tr>
<td>15</td>
<td>I Get Around</td>
<td>Brooks/Jacobs/Murdo</td>
<td>3:54</td>
</tr>
<tr>
<td>16</td>
<td>I Ain't Mad at Cha</td>
<td>Arnaud/Jordan/Two P</td>
<td>4:19</td>
</tr>
<tr>
<td>17</td>
<td>Changes [?]</td>
<td>Evans/Hornby/Two P</td>
<td>4:29</td>
</tr>
<tr>
<td>18</td>
<td>California Love [Original Version]</td>
<td>Cocker/Doctor Dre</td>
<td>4:45</td>
</tr>
<tr>
<td>19</td>
<td>Picture Me Rollin'</td>
<td>Edwards/Himes/Jacks</td>
<td>5:15</td>
</tr>
<tr>
<td>20</td>
<td>How Long Will They Mourn Me?</td>
<td>Burns/Gass/Griffin/</td>
<td>3:52</td>
</tr>
<tr>
<td>21</td>
<td>Toss It Up</td>
<td>Hailey/Hall/Steward</td>
<td>4:43</td>
</tr>
<tr>
<td>22</td>
<td>Dear Mama</td>
<td>Pizarro/Sample/Two</td>
<td>4:40</td>
</tr>
<tr>
<td>23</td>
<td>All About U</td>
<td>Blackmon/Fula/Jacks</td>
<td>4:33</td>
</tr>
<tr>
<td>24</td>
<td>To Live &amp; Die in L.A.</td>
<td>Jones/Two Pac/Young</td>
<td>4:33</td>
</tr>
<tr>
<td>25</td>
<td>Heartz of Men</td>
<td>Blake/Clinton/Colli</td>
<td>4:41</td>
</tr>
</tbody>
</table>
Good afternoon! Current date and time: January 3 - 1:15 p.m. Pacific

On the burner - My current projects:

Core systems modernization
Unified discovery, delivery of library resources
Supporting scholarly communication

Me: short / tall / grande
Good afternoon! Current date and time: January 3 - 1:15 p.m. Pacific

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Unified discovery, delivery of library materials
Supporting scholarly communication

Me: short / tall / grande

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Google search
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Supporting scholarly communication

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SUMMIT

Google search

1928 Washington Senators - (Sports Team Season Recap)
Good afternoon! Current date and time: January 3 - 1:15 p.m. Pacific.

Washington Senators
Founded: 1901
Baseball Team, Sports Team, Professional Sports Team

Unified discovery, delivery of library resources
Supporting scholarly communication

Me: short / tall / grande

SUMMIT

Google search

Search www  Search www.wsu.edu
Good afternoon! Current date and time: January 3 - 1:15 p.m. Pacific

Washington Senators
The Washington Senators were an American League professional baseball team that played from 1961 to 1971 and then became the Texas Rangers ...

Baseball Team, Professional Sports Team, Sports Team

Supporting scholarly communication

Me: short / tall / grande

SUMMIT

Google

Google search
Good afternoon! Current date and time: January 3 - 1:15 p.m. Pacific

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**Core systems modernization**

**Unified discovery, delivery of library resources**

**Supporting scholarly communication**

Me: short / tall / grande

[Google search]

[Search www.wsu.edu]
Good afternoon! Current date and time: January 3 - 1:15 p.m. Pacific

On the burner - My current projects:

Core systems modernization

Unified discovery, delivery of library resources

Supporting scholarly communication

Me: short / tall / grande

[Dropdown list]

- Washington Senators
- Washington Senators
- Washington Senators
- Washington Senators
- Washington Senators
- Washington Senators
- Washington Senators
- Washington Senators
- Minnesota Twins
- Minnesota Twins
- Washington Nationals
- Washington Nationals
- Texas Rangers
- Texas Rangers
- 1928 Washington Senators
- 1928 Washington Senators

[Search bar]

Summit WorldCat.org search

[Google search bar]

search www.wsu.edu
Search results for 'Washington Senators' limited to Libraries Worldwide

Results 1-10 of about 5,692 (.16 seconds)

1. **The Washington Senators, 1901-1971**
   - by Tom Deaveaux
   - Book
   - Language: English
   - Libraries that own this item: Summit

2. **Damn Yankees**
   - by George Abbott; Stanley Donen; Gwen Verdon; Ray Walston; Tab Hunter; Warner Home Video (Firm);
   - DVD video
   - Language: English
   - Publisher: Burbank, CA : Warner Home Video, [2004]
   - Libraries that own this item: Summit

Show more...
3. Beyond the shadow of the Senators: the untold story of the Homestead Grays and the integration of baseball
   by Brad Snyder
   Book: Biography
   Language: English
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