Mini Assignment 3 (Part 2)

Theme: List of Stamp Related Resources

Instructor: Dr. Venkat Krovi
Teaching Assistant: Chin-Pei Tang
Assignment #3

Books

1. Programming and Customizing the Basic Stamp
   Written by Scott Edwards

2. StampWorks

   Williams

4. Basic Stamp
   von Claus Kuhnel, Klaus

5. The Microcontroller Application cook book
   von Matt Gilliland

Stamp Accessories

1. Parallax website
2. Appexvalue.com
3. Mouser.com
4. www.dontronics.com
5. gatewayelex.com

Hobby shops selling stamps

1. www.newtype-asylum.com
2. www.census.gov/mrts/www/kbclass.html
3. www.studentcenter.com/where/industry/IN5945.htm - 3k
4. www.robotics.com/arobot

Online Compendia of Stamp Application

Ladder of comutisation

Amit kumar
Person #30567438
Books

• *Practical Electronics for Inventors* by Paul Scherz
• *Stamp II Communications and Control Projects* by Tom Petruzzellis, Thomas Petruzzellis
• *Programming and Customizing the Basic Stamp* by Scott Edwards
• *Microcontroller Projects Using the Basic Stamp 2nd Edition* by Al Williams
• *StampWorks* by Jon Williams, Parallax Inc.
• *The Microcontroller Application Cookbook, Vol. 2* by Matt Gilliland
• *Basic Stamp* by Claus Kuhnel, Klaus Zahnert
• *Programming & Customizing PICmicro Microcontrollers* by Michael Predko, Myke Predko
Books (Cont.)

- **Microcontroller Application Cookbook: Featuring the Basic Stamp 2**  
  ISBN: 0972015906  Matt Gilliland
- **PIC Microcontroller Project Book**  
  ISBN: 0071354794  John Iovine
- **SUMO BOT: Build Your Own Remote-Controlled Programmable Sumo-Bot**  
  ISBN: 0071411933  Myke Predko, Ben Wirz
- [RobotElectronics](https://robotelectronics.com) recommended books
Stamp Websites

- Basic Stamp SX WebRing site owned by Shaun Wilson.
- PIC16/17 Microcontroller & BASIC Stamp
- Basic Stamp FAQ
- Basic Stamp - Index
- EME Systems BASIC Stamp Support Index
- Stamps FAQ PDF.
- Google Stamp Website List

- OOPic -vs- Basic Stamp / A buyers guide
- University of Minnesota Basic Stamp Tutorial
- Inside the Basic Stamp II
Hobby Shops

- Lynxmotion
- Raynolds Electronics
- Dontronics
- All Electronics Corp.
- Warburton Technologies
- Electroflash
- Scott Edwards Electronics, Inc. (Seetron) (LCDs and VFDs)
Basic Stamp II Related Books

- Microcontroller Projects Using the Basic Stamp 2nd Edition by Al Williams
- The Microcontroller Application Cookbook by Matt Gillard and Ken Gracey
- The Basic Stamp 2-Tutorial and Applications by Peter H. Anderson
Basic Stamp 2 Related Websites

- Links to application and vendor sites: http://www.chipcenter.com/circuitcellar/august01/c0801rr1b.htm
- Another page of links: http://www.geocities.com/SiliconValley/Orchard/6633/links.html
- Applications: http://www.nutsvolts.com/stmpindx.htm
- Accessories: http://www.arwa-tech.com/electronics.htm
• Books

**Basic Stamp**
by Claus Kuhnel, Klaus Zahnert

• Online stamp applications


  [http://www.nutsvolts.com/stmpindx.htm](http://www.nutsvolts.com/stmpindx.htm)

  [http://www.rentron.com/BasicStamp.htm](http://www.rentron.com/BasicStamp.htm)

• Stamp accessories


  [http://www.apexvalue.com/basic_stamp_access.htm](http://www.apexvalue.com/basic_stamp_access.htm)

  [http://www.allelectronics.com/cgi-bin/category.cgi?category=440&type=store](http://www.allelectronics.com/cgi-bin/category.cgi?category=440&type=store)

• Hobby shops selling stamps

  *[Wirz Electronics]* - P.O. Box 457, Littleton, MA 01460-045, 1-888-289-9479
Poloroid Sonar boards, Motor drivers, Robot kits

  *[Digi-Key Catalog]* - Electronic parts supplier with full on-line catalog and search capability.
Books on Basic Stamp:

The following are a list of books on Basic Stamp and the website following it gives a brief description of the contents of the book.

- Stamp Works Manual Version 1.2-Jon Williams  

- Programming and Customising the basic Stamp- Scott Edwards  

- Micro controller projects with Basic Stamps –Al Williams  

- Basic Stamp Second Edition –Claus Kühnel and Klaus Zahnert  

- Microcontroller Application Cookbook – Matt Gilliand  

- Build your own combat robot –Miles and Carroll  

- How to build your own prize winning robot – Ed Sobey  

Online Compendia of Stamp Applications:

- A list of applications from Nuts & Volts Magazine  
  Most of the applications were written by Scott Edwards  
  http://www.nutsvolts.com/stmpindx.htm  
  http://www.nutsvolts.com/ftpindex.htm

- Gives a brief description and implementation of various interesting projects  
  http://www.rentron.com/BasicStamp.htm

- http://www.tradetech.co.nz/basic%20stamp/applications.htm


- http://www.robotics.com/arobot/
Accessories:
http://www.rfdigital.com/category.htm?category=PARALLAX
http://www.apexvalue.com/basic_stamp_accessories.htm
http://www.apexvalue.com/basic_stamp_access.htm
http://www.mouser.com/catalog/612/73.pdf

Hobby shops:
http://www.mcmaster.com/
http://www.robotstore.com/
http://www.electronickits.com/

Gives a list of hobby shops in Pittsburg
http://www.ece.cmu.edu/~ece778/vendors.html

Gives a comprehensive list of Basic Stamp related sites:
http://www.geocities.com/SiliconValley/Orchard/6633/links.html
Online compendia for stamp applications:
1. NUTVOLTS: A very useful link for stamp applications is at following site: www.nutsvolts.com/stmpindx.htm. It covers almost all the stamp applications and the files are also given in PDF format for various stamp applications.
2. LOSA: The list of stamp applications is also a very important source for the stamp applications. www.hth.com/losa/
3. Javelin: This is also a very important site for listing of stamp applications. www.javelinstamp.com/applications/
4. Earthlink: This is a very useful website giving pictorial information of the stamp applications. home.earthlink.net/~y2kbc/Electronics/ BasicStamp/Index.html
5. Ebay.com: This site provides useful information about stamp applications also. www.ebay.com or www.bluegrassshowswithjerry.com/catalog/ stamps/b/basic-stamp-applications. asp

Books:
There are number of books available on different websites.
1. Bookpool.com
   CLASSIC GUIDE TO CUSTOMIZING BASIC STAMP FOR HOBBYISTS AND DESIGNERS. http://www.bookpool.com/.x/4ojn5tqini/sm/0071371923
2. Robotgames.com
   PROGRAMMING AND CUSTOMIZING THE BASIC STAMP COMPUTER.
   http://www.robotgames.com/resources/resource-books.htm
3. Rentron.com
   Troubleshoot your PC with the BASIC STAMP
   http://www.rentron.com/BIOS_Stamp.htm
4. Stampsinclass.com
   Basic stamp manual.
5. Ucpros.com
   Parallax Basic Stamp Books (PIC Architecture).
   http://www.ucpros.com/Resources/books_paralax_basic_stamp.htm
6. Amazon.com
   Stamp works.
   Microcontroller Projects Using the Basic Stamp.
   www.amazon.com
7. Claus Kuhnel and Klaus Zahneert’s Basic Stamp Book.
   “Les BASIC Stamp” (In FRENCH) by Christian Tavernier
   Both books and English versions available in
   www.selectronic.fr

Stamp Accessories:
Following companies are involved in manufacturing and selling the
microcontroller and BASIC STAMP accessories.

JAMECO - Inexpensive, good selection of components and IC's. (Free
catalog)
http://www.jameco.com/

DIGI KEY - Expensive, but has a lot wider selection then Jameco. (Free
catalog)
http://www.digikey.com/

BG MICRO - Inexpensive, limited selection you can find some odd stuff
here. (Free catalog)
http://www.bgmirco.com/
ELECTRONIC EXPRESS - Cheap, good selection. (Free catalog)
http://www.elexp.com/

ALL ELECTRONICS CORP good selection. (Free catalog)
http://www.allcorp.com/

HOSFELT ELECTRONICS - Reasonable pricing with a wider selection then most. (Free catalog)
http://www.hosfelt.com/

CIRCUIT SPECIALISTS - Inexpensive, Pretty much the same selection as Jameco. (Free catalog)
http://www.cir.com/

MOUSER ELECTRONICS - Expensive but with a big selection much like Digikey. (Free catalog)
http://www.mouser.com/

ALLIED ELECTRONICS - Good selection (online catalog)
http://www.allied.avnet.com/

ALLTRONICS - Wide selection of products (online catalog)
http://www.alltronics.com/

Also some of the major IC manufacturer companies are:

NATIONAL SEMICONDUCTOR - One of the biggest chip manufacturers.
http://www.national.com/

FAIRCHILD SEMICONDUCTOR - Gates, flip-flips, ADC's. They got it all.
http://www.fairchildsemi.com/

DALLAS SEMICONDUCTOR - great company have Temp monitor chips, Real time clocks, etc.
http://www.dalsemi.com/
MAXIM INTEGRATED PRODUCTS - ADC's, Op-amps, etc. They offer 8 IC samples for free!
http://www.maxim-ic.com/

MOTOROLA SEMICONDUCTOR PRODUCTS - Pressure sensors and many other things.
http://e-www.motorola.com/

HARRIS SEMICONDUCTOR - Wide range of IC's and components
http://www.semi.harris.com/

TYCO ELECTRONICS
http://catalog.tycoelectronics.com/TE/bin/TE.Menu?M=Main

NEWARK ELECTRONICS
http://www.newark.com/

JDR MICRODRIVES
http://www.jdr.com/interact/default.asp

MICROCHIP EMBEDDED CONTROLS
http://www.microchip.com/index.asp

MICROENGINEERING LABS
www.melabs.com/

TEXAS INSTRUMENTS
www.ti.com/

SGS- THOMSON
http://us.st.com/stonline/index.shtml

HAMAMATSU CORPORATION
http://usa.hamamatsu.com/

LSI COMPUTER SYSTEMS
http://www.lsicsi.com/Welcome.htm
LINX TECHNOLOGIES
http://www.linxtechnologies.com/ldocs/main.html

W.W.Grainger Inc. It maintenance, repair, and operating supplies (motors, casters, lamps.)

http://www.grainger.com/Grainger/wwg/start.shtml

**Hobby shops:**

Leff Electronics (412) 351-5000, 223 Braddock Ave., Pittsburgh Electronics Supplies & Tools.

River Junction Hobbies (412) 728-5571, Radio controlled (R/C) car parts

J & C Hobbies (412) 795-9344, 100 A Street, Penn Hills R/C airplane & boat parts, An enormous selection of wheels and servos.

A.B. Charles & Sons (412) 561-3068, 3213 West Liberty Ave., Dormant R/C cars, trains, motors, gears.

Hooter Chassis & Hobby Shop, Route 322 in Hannaville, Rd #1, Box 99 Utica PA 16362, Ph: (814) 425-3122 or (814) 425-1595

Radio Shack, (412) 521-6356, 1926 Murray Ave, Squirrel Hill, Pittsburgh

**Micro Mo Electronics Inc.**14881 Evergreen Avenue, Clearwater, FL 34622-3008, (813) 572-0131, Fax: (813) 573-5918. Motor vendor with large selection, plus on-line datasheets, selection information.

http://www.micromo.com/


Wirz Electronics- P.O. Box 457, Littleton, MA 01460-045, 1-888-289-9479 Polaroid Sonar boards, Motor drivers, Robot kits.

http://www.wirz.com/
HVWTech, HVW Technologies, Suite 473, 300-8120 Beddington Blvd.,
N.W., Calgary, Alberta T3K 2A8, CANADA, Tel: (403) 730-8603, Fax:
(403) 730-8903
Source for Microcontrollers, Robotics and Accessories, motor driver
kits.

http://www.hvwtech.com/pages/default.asp

Searchable Engineering Catalogues: Provides very good information
about vendors and companies dealing with Basic stamp, accessories etc.
http://www.designinfo.com/

AP Circuits - printed circuit board manufacturer.

http://www.apcircuits.com/

ECD PCB Express - printed circuit board manufacturer.
http://www.pcbexpress.com/
Books:
The Microcontroller Application Cookbook
By: Matt Gilliland, Ken Gracey

Programming and Customizing the Basic Stamp
By: Scott Edwards

Basic Stamp
by Claus Kuhnel, Klaus Zahnert

Stamp II Communications and Control Projects
by Tom Petruzzellis, Thomas Petruzzellis

Online references:
http://www.phanderson.com/stamp/tutorial.html
http://www.doc.ic.ac.uk/~ih/doc/pic/
http://www.geexa.v-2-1.net/index-page2.html
http://www.iguanalabs.com/mbktut/

Stamp accessories:
Mouser Electronics - http://www.mouser.com/
Alltronics - http://www.alltronics.com/
Digikey - http://www.digikey.com/
Hosfelt Electronics Inc. - http://www.hosfelt.com/

Hobby shops selling stamps:
Stamps in Class - http://www.stampsinclass.com/
# Mini Assignment 3 - Stamp Related Sources

<table>
<thead>
<tr>
<th>Books</th>
<th>Online Compendia Of Stamp Applications</th>
<th>Stamp Accessories</th>
<th>Hobby Shops selling Stamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>7. Microcontroller Projects Using the BASIC Stamp - Al Williams</td>
<td></td>
<td><a href="http://www.wgmarshall.freeserve.co.uk">www.wgmarshall.freeserve.co.uk</a></td>
<td><a href="http://www.pond.ie">www.pond.ie</a></td>
</tr>
<tr>
<td>8. Programming and Customizing the BASIC Stamp Computer - Scott Edwards</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Stamp II Communications and Control Projects – by Tom Petruzzellis, Thomas Petruzzellis;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Mini-assignment 3

Vikranth B. Rao
2827-1509
MAE-476

Stamp Related Resources

Books:

1. The Nuts and Volts of BASIC Stamps, Volume 3
2. Programming and Customizing the BASIC Stamp Computer
3. BASIC Stamp, Second Edition
4. Microcontroller Projects Using the BASIC Stamp
5. Microcontroller Application Cookbook
6. Microcontroller Application Cookbook 2
7. StampWorks Manual Version 1.1
8. BASIC Stamp Manual Version 2.0
9. What's a Microcontroller?
10. Advanced Robotics

Online Compendia of STAMP applications:


**Hobby shops:**

1. Arwa-tech: http://www.apexvalue.com/basic_stamp_robotics.htm


3. reconnsworld: http://www.reconnsworld.com/

4. HVW Technologies: http://www.hvwtech.com/

5. American science and surplus: http://www.sciplus.com/

**Stamp Accessories:**

1. Parallax Websites

2. Nuts and Volts Magazine

3. Retrofire: Rockets and Robots newsletter

4. Arwa-tech website

5. CV Tech Website
Assignment 3

Stamp Related Sources

Uma Shankar Sharma
Usharma2@buffalo.edu
Books

- Programming The SX Microcontroller by Guenther Daubach
- Parallax Product
- Microcontroller Projects With Basic Stamps by Al Williams
- Programming and Customizing the Basic Stamp by Scott Edwards
- The Microcontroller Application Cookbook by Matt Gilliland, Ken Gracey
- The Nuts & Volts of Basic Stamps by Scott Edwards
- Basic Stamp by Claus Kuhnel, Klaus Zahnert
- Programming PIC Microcontrollers with PICBASIC by Chuck Hellebuyck
- StampWorks by Jon Williams, Parallax Inc
- Programming & Customizing PICmicro Microcontrollers by Michael Predko, Myke Predko
- PICmicro Microcontroller Pocket Reference by Michael Predko, Myke Predko
Online Compendia

- LOSA - Text files describing Stamp applications (List Of Stamp Application)
- **OOPIC** - How to use the OOPIC microcontroller. OOPic is an acronym for Object-Oriented Programmable Integrated Circuit
- **PIC theory and Practical tips** - Notes, opinions, ideas, links about using PICs (peripheral interface controllers) in electronics education to GCSE level
- **StamPIC** - BASIC stamp projects and links to various sites with PIC information
- **AWC Electronics** - Resources for basic stamp programing and accessories, tutorials, projects, with a basic stamp FAQ
- High-TechGarage.com
  Basic STAMP tutorials and projects such as Real-time clocks and I2C EEPROM
- Instructions for Microcontroller Beginner Kit - Tutorial for those who know nothing about electronics and want to learn from the beginning [http://www.iguanalabs.com/mbktut/](http://www.iguanalabs.com/mbktut/)
- **Bob Blick**
  Bob provides a number of application notes and schematics, including his famous H-bridge circuit
- **Nuts and Volts magazine**
  This is the magazine that carries the most information about the BASIC Stamp, including the Stamps applications articles by Scott Edwards, Jon Williams and Lon Glazer in their archives
Hobby shops selling stamps

- Alltronics www.alltronics.com
- PCB 123, Inc. www.pcbexpress.com
- R4 Systems, Inc http://www.labcenter-electronics.com/
- HVW Technologies, Inc  www.hvwtech.com
- Information Unlimited  www.amazing1.com
- Scott Edwards Electronics Inc. www.seetron.com
- Velleman, Inc. www.vellemanusa.com
- Z-World www.zworld.com
- Zagros Robotics www.zagrosrobotics.com
- Blue Bell Design, Inc. www.bluebelldesign.com
- Budget Robotics www.budgetrobotics.com
- Lynxmotion, Inc. www.lynxmotion.com
- New Micros, Inc  www.newmicros.com
- Weatherstamp http://www.weatherstamp.com/
- Solutions Cubed http://www.solutions-cubed.com/
- BasicMicro http://www.basicmicro.com/
Stamp Accessories

- **Parallax** - Makers of the Basic Stamp. Great Website
- **Stamps in Class** - Good for begginers
- **Scott Edwards Electronics** - Produce LCD's, Servo controllers, LCD Accessories, etc.
- **Solutions Cubed** - Produce add-ons for the Stamp. Pocket watch, motor driver, ram pack, etc.
- **AWC** - Produce add-ons for the Stamp that increase Ram, addition I/O's, Math capabilities such floating point math and more
- **HVW Technologies** - Serial LCD's, Motor Drivers, DIRRS, etc.
- **Tower Hobbies** - R/C stuff & servo motors.
- **Micro Engineering Labs**, makers of the PICProto boards and the PicBasic compiler
- **APEXVALUE** - Basic **Stamp Accessories**
- **SerialGrafix**  SerialGrafix sells large serial controlled graphic/text LCD's and PIC related items.

MiniHW_3_Sharma
Groups and Clubs

- Vancouver Island Robotics Group
- The San Diego Robotics Society
- Miami Valley Robotics Club - Troy, Ohio
- Central Illinois Robotics Club (CIRC)
- The Robot Club on Yahoo
- Robot Group in Austin
- Seattle Robotics Society
- San Francisco Robotics Society of America
- Dallas Personal Robotics Group - Dallas, TX
- Portland Area Robotics Society - Portland, OR
- Northern New Mexico Robotics Group - Los Alamos, NM
- Twin Cities Robotics Group - St. Paul, MN
- Robotics Society of America
Publications

- On-Line Magazine Links
- Robot Magazine
- Microcontroller Journal
- Electronics Virtual Trade Show
- Nuts-N-Volts Magazine
- Micro Robots Book
- www.robotmag.com
Robot Competitions & Contests

- BattleBots
- Robot Rumbles
- Odyssey of the Mind "OMerroid" Project
- The official WWW site of the BEAM Robot Games
- RobotWars Web Page
- Robot Competition FAQ by NCC
- Micromouse contest
- US First Contest for Youth
- Robotix Annual Conference, Exhibition, Contest
# Books

<table>
<thead>
<tr>
<th>Serial No.</th>
<th>Book</th>
<th>Author, Publisher, etc.</th>
<th>Description and Details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Basic Stamp Manual v 2.0</td>
<td>Published by Parallax Inc.</td>
<td>The complete reference manual to the Basic Stamp family of microcontrollers. Contains the complete PBASIC command-set and also guidelines for using the hardware and software provided in the kit. Also available as a free download.</td>
</tr>
<tr>
<td>2</td>
<td>Stampworks manual 1.1</td>
<td>Published by Parallax Inc.</td>
<td>This manual contains [1] as an appendix. In addition, it features 31 articles about BASIC stamp programming by Nuts &amp; Volts columnist Jon Williams.</td>
</tr>
<tr>
<td>3</td>
<td>Microcontroller Projects with Basic Stamps</td>
<td>Al Williams Published by CMP Books. ISBN 1578201012</td>
<td>Contains material that is useful for the novice as well as the experienced user. A multitude of projects to help demonstrate the material.</td>
</tr>
<tr>
<td>5</td>
<td>Basic Stamp</td>
<td>Claus Kuhnel, Klaus Zahnert. Published by Newnes. ISBN 0750672455</td>
<td>Covers both hardware and software. Contains some applications suitable for hobbyists and professional designers.</td>
</tr>
</tbody>
</table>

## List of Stamp Applications

<table>
<thead>
<tr>
<th>Serial No.</th>
<th>Site</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td><a href="http://www.hth.com/filelibrary/txtfiles/losa.txt">http://www.hth.com/filelibrary/txtfiles/losa.txt</a></td>
<td>This page, called the LOSA (List Of Stamp Applications), contains articles by various contributors, collected on a single text page.</td>
<td>Contains over 200 articles by various contributors, collected on a single text page. Contains high-level details of various applications.</td>
</tr>
<tr>
<td>Serial No.</td>
<td>Site</td>
<td>Contributors</td>
<td>Description &amp; Details</td>
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<tr>
<td>-----------</td>
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</tr>
<tr>
<td>3</td>
<td><a href="http://www.geocities.com/SiliconValley/Orchard/6633/projects.html">http://www.geocities.com/SiliconValley/Orchard/6633/projects.html</a></td>
<td>Shaun Wilson’s Basic Stamp projects page.</td>
<td>Contains a list of projects done by Shaun Wilson. Datasheets, code and hardware schematics are available for download.</td>
</tr>
<tr>
<td>4</td>
<td><a href="http://www.emesys.com/BS2index.htm">http://www.emesys.com/BS2index.htm</a></td>
<td>Basic stamp applications from EME systems/Tracy Allen.</td>
<td>Some articles about Basic Stamps in Eco-sensing and earth-monitoring. These PDF files containing schematics and code are available for download.</td>
</tr>
<tr>
<td>5</td>
<td><a href="http://www.rentron.com/BasicStamp.htm">http://www.rentron.com/BasicStamp.htm</a></td>
<td>Basic Stamp Applications contributed by various people.</td>
<td>Contributed articles about Basic Stamp applications. Schematics and code provided in the articles.</td>
</tr>
</tbody>
</table>

### Parallax Websites

<table>
<thead>
<tr>
<th>Serial No.</th>
<th>Site</th>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><a href="http://www.parallax.com">www.parallax.com</a></td>
<td>The Parallax Inc. website.</td>
<td>The website of the makers of the Basic Stamp.</td>
</tr>
<tr>
<td>2</td>
<td><a href="http://www.stampsinclass.com">www.stampsinclass.com</a></td>
<td>Parallax’s website intended for students.</td>
<td>Resources provided for students by Parallax Inc.</td>
</tr>
</tbody>
</table>

### Hobby shops selling STAMPs.

<table>
<thead>
<tr>
<th>Serial No.</th>
<th>Site</th>
<th>Description &amp; Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><a href="http://www.hvwtech.com">www.hvwtech.com</a></td>
<td>The website of HVW technologies. HVW technologies sells all sorts of hobby electronics stuff, including Basic Stamps and other hardware components required for Stamp projects.</td>
</tr>
<tr>
<td>2</td>
<td><a href="http://www.jameco.com">http://www.jameco.com</a></td>
<td>Jameco Electronics. Sellers of hardware components for a wide variety of applications.</td>
</tr>
<tr>
<td>3</td>
<td><a href="http://www.phanderson.com/">http://www.phanderson.com/</a></td>
<td>P H Anderson, a stamp enthusiast, resells Basic Stamps.</td>
</tr>
<tr>
<td>4</td>
<td><a href="http://www.radioshack.com/category.asp?catalog%5Fname=CTLG&amp;category%5Fname=CTLG%5F001%5F017%5F010%5F001%5F000%5F000&amp;Page=1">http://www.radioshack.com/category.asp?catalog%5Fname=CTLG&amp;category%5Fname=CTLG%5F001%5F017%5F010%5F001%5F000%5F000&amp;Page=1</a></td>
<td>Radio Shack’s page for Basic Stamp.</td>
</tr>
<tr>
<td>5</td>
<td><a href="http://shop3.outpost.com">http://shop3.outpost.com</a></td>
<td></td>
</tr>
</tbody>
</table>

### Other Resources

<table>
<thead>
<tr>
<th>Serial No.</th>
<th>Site</th>
<th>Description &amp; Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><a href="http://directory.go">http://directory.go</a></td>
<td>Google’s Basic Stamp category</td>
</tr>
<tr>
<td></td>
<td>ogle.com/Top/Science/Technology/Electronics/Reference/BASIC_Stamp/</td>
<td>2</td>
</tr>
</tbody>
</table>
Basic Stamp

a) **List of Basic Stamp Books:**

1. Parallax Basic Stamp Books
2. Stampworks
3. Basic Stamp by Claus Kuhnel and Klaus Zahnert
4. Microcontroller projects using basic stamp 2nd Edition by Al Williams
5. Practical Electronics for inventors by Paul Scherz
6. Programming & Customizing PIC micro Microcontrollers by Micheal Predko
7. The Forrest MIMS Circuit Scrapbook by Forrest M MIMS
8. Programming and Customizing the Basic Stamp by Scott Edwards
9. Nuts and Volts of Basic Stamp , Volumes 1-3
10. Robot builder’s Bonanza by Gordon McComb

b) **Online Compendia about Basic Stamp:**


c) **Basic Stamp Accessories:**

d) **Hobby Shops selling Basic Stamps & related products:**

1. [http://www.phanderson.com](http://www.phanderson.com)
4. [http://www.retron.com/PicBasic/Mini_SSC_II.htm](http://www.retron.com/PicBasic/Mini_SSC_II.htm)
6. [http://www.solarbotics.net/library/links/vendors.html](http://www.solarbotics.net/library/links/vendors.html) (provides a list of local hobby stores)

e) **Personal Websites (non commercial) dedicated to Basic Stamp:**

2. [http://remo.net/rac/resources.htm](http://remo.net/rac/resources.htm)
4. [http://web.umr.edu/~bsiever/interests/](http://web.umr.edu/~bsiever/interests/)
5. [http://dec1.wi-inf.uni-essen.de/~astephan/links/pages/links_faq.htm](http://dec1.wi-inf.uni-essen.de/~astephan/links/pages/links_faq.htm)
MECHATRONICS

MAE 576

Assignment 3

Basic Stamp Resources

Srinivas SUNDARAGOPAL

http://buffalo.edu/~ss258/ ss258@buffalo.edu 3045-9561
BOOKS ON BASIC STAMPS

Programming and Customizing the Basic Stamp
Scott Edwards

Programming and Customizing the Basic Stamp Computer
Scott Edwards

Microcontroller Projects Using the Basic Stamp 2nd Edition
Al Williams

StampWorks
Jon Williams, Parallax Inc.

The Microcontroller Application Cookbook
Matt Gilliland, Ken Gracey

Basic Stamp
Claus Kuhnel, Klaus Zahnert

Basic Stamp: An Introduction to Microcontrollers
Claus Kuhnel, Klaus Zahnert

The Microcontroller Application Cookbook: Volume 1 with Hardware & Code Samples Featuring the Basic Stamp 2
Gilliland, Matt

The Microcontroller Application Cookbook, Vol 2. with BASIC Stamp 2 Homework Board
Matt Gilliland

Stamp II Communications and Control Projects
Tom Petruzzellis, Thomas Petruzzellis

The Basic Stamp 2 - Tutorial and Applications
Peter H. Anderson

Robot Builder's Bonanza
Gordon McComb

PIC Microcontroller Project Book
John Iovine
ONLINE COMPENDIA / FORUMS ON BASIC STAMPS

http://www.hth.com/filelibrary/BS2-IC/
A huge file library with source code with detailed comment

A collection of pdf files with a lot of experimentation details and help files for Basic Stamp programming

http://www.emesystems.com/BS2SX.htm
BS2 programming guide with tips

http://dmoz.org/Science/Technology/Electronics/Reference/BASIC_Stamp/
Compendium links

http://www.machinebrain.com/
Robotics links with online library reference

http://www.nutsvolts.com/ftpindex.htm
Library files of Stamp applications

http://www.al-williams.com/resource.htm
Resources for basic stamp programming and accessories, tutorials, projects, with a basic stamp FAQ.

http://www.phanderson.com/stamp/tutorial.html
BS applications resource

TUTORIALS ON BASIC STAMPS

ftp://ftp.parallaxinc.com/BS2_Tutorial_ii.ppt
A descriptive presentation with detailed diagrams and circuitry

http://www.stampsinclass.com/
Online books, tutorials

http://microengineeringlabs.com/resources/articles/
Good tutorial for beginners

http://www.iguanalabs.com/maintut.htm
Microcontroller tutorials – beginner, intermediate, advanced

http://www.phanderson.com/stamp/tutorial.html
An application based tutorial – A very good guide

http://www.silab.it/frox/stamp/bs2_math.htm
Math tutorial on Basic Stamp 2
http://www.emesys.com/BS2index.htm
A very good collection of Math operators, tricks and tutorials
http://www.howstuffworks.com/microcontroller.htm
Descriptive tutorial about working of microprocessors

http://tutor.al-williams.com/
Microchip hardware and programming tutorial

http://www.8052.com/tutorial.phtml
Microprocessor tutorial

http://www.phanderson.com/stamp/intro/intro.html
Introductory tutorial on Stamps and Stamp Programming

PROJECTS ON BASIC STAMPS

http://www.geocities.com/SiliconValley/Orchard/6633/projects.html
Basic Stamp projects

http://microengineeringlabs.com/resources/articles/
Simple projects

http://www.geocities.com/stampic/bs1stampic.zip
http://www.geocities.com/stampic/bs2stampic.zip
Source code and projects for BS1 and BS2

http://www.geocities.com/stampic/HATEM_PROJECTS.HTM
Student projects on Basic Stamp

http://www.rentron.com/BasicStamp.htm
Commercial projects with explanations

DEALERS IN BASIC STAMPS / BASIC STAMPS ACCESSORIES

http://warburtontechnology.saffas.com/
http://www.apexvalue.com/basic_stamp_access.htm
http://www.mouser.com/catalog/612/73.pdf
http://www.seetron.com/
http://www.hosfelt.com/
LINKS TO BASIC STAMP

http://www.emesystems.com/BS2links.htm
http://www.solutions-cubed.com/basicstamp.htm
http://www.geocities.com/stampic/links.htm
http://www.wd5gnr.com/stamplink.htm
http://dmoz.org/Science/Technology/Electronics/Reference/BASIC_Stamp/
http://warburtonotechnology.saffas.com/Links/Links.htm
http://www.seetron.com/links.htm
http://www.phanderson.com/stamp/
http://www.tradetech.co.nz/basic%20stamp/links.htm

HOBBY HOME PROJECTS / HOBBY LINKS ON BASIC STAMP

http://www.towerhobbies.com/
http://www.solutions-cubed.com/products_main.htm
http://www.mastincrosbie.com/mark/electronics/stamp/stamp.html
http://www.bluebelldesign.com/HobbyHelp.htm
Stamp Related Resources

**Books:**

*Stamp II Communications and Control Projects* by Tom Petruzellis  
*Basic Stamp* by Claus Kuhnel and Klaus Zahnert  
*StampWorks* by Jon Williams, Parallax Inc.  
*Microcontroller projects Using the Basic Stamp 2nd Edition* by Al Williams  
*The Microcontroller Application Cookbook* by Matt Gilliland  
*Basic Stamp 2- Tutorial and Applications* by Peter H. Anderson  
*Robot Builder's Bonanza* by Gordon McComb

**Stamp Accessories:**

http://www.apexvalue.com/basic_stamp_access.htm  
http://www.arwa-tech.com/electronics.htm  
http://www.solutions-cubed.com/products_main.htm

**Stamp Applications:**

http://www.phanderson.com/stamp/  
http://www.wd5gnr.com/stampfaq.htm  
http://www.rentron.com/BasicStamp.htm  
http://www.audiomulch.com/midipic/

**Reference Information:**

http://www.chipcenter.com/circuitcellar/august01/c0801rr1.htm  
http://www.phanderson.com/stamp/tutorial.html  
http://www.geocities.com/SiliconValley/Orchard/6633/links.html

**Where to Buy Stamps:**

http://www.jameco.com/  
http://www.digikey.com/  
http://www.elexp.com/
Assignment 3: Submitted By: Rohit R Thali.

Books for the Basic Stamp:

Basic Stamp Data Book. Newnes Publishing; 1997. (Available from Jameco): This book covers both the hardware and the software sides of the Parallax BASIC Stamp I and II microprocessor operation and design. It walks you through applications suitable for designers as well as the home hobbyist.

Programming and Customizing the Basic Stamp. McGraw Hill; 1998. (Available from Jameco): A comprehensive tutorial on the easy to use BASIC stamp single board computer and a primer on electronics.

Basic Stamp, by Claus Kuhnel, Klaus Zahnert: Covers both the hardware and software sides of the Parallax BASIC Stamp 1 and 2 microprocessor operation and design. The BASIC Stamp is built on PIC microcontroller hardware and uses PBASIC as its programming language, which makes it simple to use, but versatile enough to solve professional problems.

Microcontroller Application Cookbook, by Matt Gilliland, Ken Gracey: The Microcontroller Application Cookbook is the beginner's sourcebook for real-world machine control. It features over 100 schematics and code samples based on the popular BASIC Stamp2 Microcontroller.

Microcontroller Projects Using the Basic Stamp, by Al Williams: Updated with a complete, task-oriented command reference for the BS2P Stamp and detailed instructions for new projects including Internet-to-Stamp gateways, test instruments, infrared remote controls, and robot motor controls. Includes a Basic Stamp emulator, a tool to program PIC chips, and practical advice for PC interfacing using serial EEPROMs, analog I/O capabilities.

Microcontroller Projects with Basic Stamps, by Al Williams: Are you an old-hand at microcontroller design? Seasoned designers accustomed to using more arcane microcontrollers will find that Basic Stamps are easy, productive and fun to use. You will find practical advice for PC interfacing, using EEPROMS and other devices, as well as a task-oriented command reference, and chapters that cover analog I/O, serial communications, and LCDs and keypads.
**Hobby Shops in New York (around Buffalo):**

ACE HOBBY SHOP, 1801 PIERCE AVE, NIAGARA FALLS NY, 716 282-9753  
ADVENTURES & HOBBIES 545 TITUS AVE ROCHESTER NY (716) 342-1070  
Aldon Hobby, 100 Castle St., Geneva NY 14456, 315 789-8343  
CRAZY EGOR 4 SOUTH AVE. HILTON NY (585) 392-0230  
Dan's Crafts and Things, 352 Empire Blvd., Rochester NY 585-482-7850  
DESPATCH JUNCTION 100 STATION RD. EAST ROCHESTER NY (716) 385-5570  
FIELDS HOBBY CENTER, 3523 UNION RD, BUFFALO NY, 716-681-6440  
HOBBY HORSE 56 MAIN ST LEROY NY (585) 768-8130  
HOBBY HOUSE, 2366 LYELL AVE, ROCHESTER NY, 716 429 6280  
HOBBYTOWN USA, SHERIDAN CENTER, 3332 SHERIDAN DR, BUFFALO NY, 716 833 7700  
HOBBY WORLD, 1401 NASH RD, NORTH TONAWANDA NY, 716-693-3366  
LEIF'S SALES & SERVICE, LTD. 9328 COUNTY RD. #14 HONEOYE FALLS NY (585) 624-4295  
Performance Hobbies, 15 Main Street, Webster NY, (716) 872-4990  
R/C CONCEPTS Cardboard Planes for R/C  
Reid's Quality Model Products 30 Clifton Street, Phelps, New York, 14532 Phone: (315)548-3779  
RIDGE ROAD STATION 16131 RIDGE ROAD WEST HOLLEY NY (585) 638-6000  
RLR RAILROAD 15 JACKSON ST. BATAVIA NY (716) 344-1729  
RMHobbies, 2484 Rochester Rd (Rt. 332) Bldg. #1 Canandaigua NY, 716-394-1210  
ROCK RIVER MODEL HOBBIES, 7762 ROCK RIVER RD, INTERLAKEN NY, 607 532 9489  
UNIVERSAL ENTERTAINMENT, 1611 PINE AVE, NIAGARA FALLS NY, 716 282 4840  
WALT'S HOBBY, 2 DWIGHT PARK DR, SYRACUSE NY, 315 453 2291

Included below are also online shops/sources for stamps and related accessories.
WebPages for Online Tutorials on the Basic Stamp:

- http://www.al-williams.com/awc/awd5gni/stampfaq.htm -- Basic Stamp FAQ.
- http://fargo.itp.tsoa.nyu.edu/~tigoe/pcomp/examples.html -- Example Basic Stamp II programs including MIDI Input and Output. Basic Stamp FAQ.
- http://www.tjhsst.edu/~jleaf/tec/stamp/sttutor1.htm
- http://www.me.umn.edu/resources/desres/stamp/
- http://www.stampsinclass.com/

Stamp Accessories:

- http://www.pololu.com/
- http://www.tecel.com/
- http://www.wirz.com/
- http://www.acroname.com/
- http://www.futurebots.com/
- http://www.robotstore.com/
- http://www.rdrop.com/users/marvin/
- http://www.lynxmotion.com/
- http://www.bluebelldesign.com/

The above mentioned websites are sources for required accessories.

Online compendia / examples of Stamp Applications:

- http://www.geocities.com/SiliconValley/Orchard/6633/projects.html
- http://www.brouhaha.com/~eric/pic/
- http://www.qsl.net/wd4bis/bstamp.htm
- http://www.tradetech.co.nz/basic%20stamp/applications.htm
Stamp Related Resources:

1: Books:-
   - Programming and Customizing the Basic Stamp -- by Scott Edwards
   - Stamp II Communications and Control Projects -- by Tom Petruzzellis, Thomas Petruzzellis
   - The Microcontroller Application Cookbook by Matt Gilliland, Ken Gracey
   - The Microcontroller Application Cookbook, Vol 2. with BASIC Stamp 2 Homework Board by Matt Gilliland
   - Microcontroller Projects Using the Basic Stamp 2nd Edition by Al Williams
   - Basic Stamp by Claus Kuhnel, Klaus Zahnert
   - Stamp Works by Jon Williams, Parallax Inc.
   - The Basic Stamp 2 - Tutorial and Applications by Peter H. Anderson
   - A Great Introduction to Basic Stamp By Chuck Curry
   - Inside Basic Stamp- II – By Brian Forbes

2: Online Resources for Stamp Application:
   - Basic Stamp Projects - http://www.geocities.com/SiliconValley/Orchard/6633/projects.html
   - Stamp Projects and Products - http://www.retron.com/BasicStamp.htm
   - Otis’s Basic Stamp Robot Page - http://home.epix.net/~iracerc/stamp.html
   - Tracy Allen’s Basic Stamp page - http://www.emesystems.com/BS2index.htm

3: Stamp Accessories:
   - Reynolds Electronics - http://www.retron.com/
   - Shaun’s Basic Stamp Homepage http://www.geocities.com/SiliconValley/Orchard/6633/
   - Solutions Cubed( add on for Stamp) - http://www.solutions-cubed.com/
   - Parallax – http://www.parallax.com/

4: Hobby shops selling stamps:
   - Reynolds Electronics - http://www.retron.com/
   - Tower Hobbies - http://www.towerhobbies.com/
5: Online Tutorials and FAQ:

- Tutorial: http://www.phanderson.com/stamp/tutorial.html
- Math for Basic Stamp - http://www.silab.it/frox/stamp/bs2_math.htm