

Title

PHP Highlights From the [BikeSummer 2003 Website](#)

[New York PHP](#) Monthly Meeting
November 25, 2003

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Introduction

- Annual event, but host & city changes each year
- PHP
- MySQL
- XHTML
- CSS 1

Please Note:

- Sample code has been significantly simplified
- If viewing on the web: set browser to full screen / kiosk mode and change font size / zoom until this page fits comfortably in the whole screen
- Opera 7 Win32 users: our style sheet may cause rendering delays, even though it's valid
- Footer placement works right in Mozilla on multiple OS's, but IE and Opera only on Windows

Navigation

- [Navigation Bar](#) is dynamically generated
- Makes it easy to add/remove/rearrange items
- Items specified by two arrays
- First array specifies top level items
- Second array indicates sub-items
- Menu generated by looping through the arrays

Navigation: Array

Navigation Arrays

```
/*
 * MAIN MENUS...
 *   dir name      navigation text
 *   v             v
 */
$Nav1['calendar'] = 'Calendar';
$Nav1['photos']   = 'Photo Gallery';
$Nav1['local']    = 'NYC'; // <-- *
$Nav1['new']      = 'What\'s New';

// * Year-to-year portability created by using a generic directory
//   name and defining the city name in the text only.

/*
 * SUB MENUS...
 *   directory name      file name      navigation text
 *   |                 v             v
 *   v                 v             v
 */
$Nav2['calendar']['mail']      = 'Order a Calendar';
$Nav2['calendar']['addorganizer'] = 'Be an Organizer';
$Nav2['calendar']['addevent']  = 'Add an Event';
$Nav2['calendar']['plan']      = 'Plan/List an Event';

$Nav2['photos']['add']         = 'Add a Photo';
```

Photo Gallery

- Gallery at www.bikesummer.org/2003/photos/
- Accepts submissions from public
- Thumbnails & resizing automatic using GD Library
- Submissions go live immediately
- Public can report objectionable content
- Moderator can edit/remove content
- This presentation shows getting the output to line up

Photo Gallery: Item Values

Put Values Into Arrays for Each DATABASE Row

```

if ($PriorGroup != $SQL->{$Order}) {
    $PriorGroup = $SQL->{$Order};
    $Color = 1 - ($Color % 2);
    $Group[] = " <td align=\"center\" class=\"group$Color\">"
        . "{$OrderText} {$SQL->{$Order}}</td>";
} else {
    $Group[] = " <td align=\"center\" class=\"group$Color\">&nbsp;  </td>"
}

$Img[] = " <td align=\"center\" class=\"img$Color\">"
    . "<a href=\"view.php?PhotoID=$SQL->PhotoID\">"
    . "<img src=\"thumb/$SQL->PhotoID.jpg\" "
    . "alt=\"{$SQL->Caption}\" "
    . "class=\"img\" border=\"0\" /></a></td>";

$Caption[] = " <td align=\"center\" class=\"caption$Color\">"
    . "<small class=\"caption\">{$SQL->Caption}</small></td>";

```

Echo Arrays At End of DISPLAY Row

```

if ($ColCount == $ThumbCols) {
    echo "\n <tr valign=\"top\" class=\"group\">\n";
    echo implode("\n", $Group);
    echo "\n </tr>\n";

    echo " <tr valign=\"top\" class=\"img\">\n";
    echo implode("\n", $Img);
    echo "\n </tr>\n";

    echo " <tr valign=\"top\" class=\"caption\">\n";
    echo implode("\n", $Caption);
    echo "\n </tr>\n";

    $ColCount = 0;
}

```

Calendar

- Calendar at www.bikesummer.org/2003/calendar/
- Accepts submissions from public
- Submissions moderated
- Searchable
- This presentation will summarize how searching by category is performed

Calendar: Tables

Table Structure

```
mysql> select CalendarID, CategoryIDCSV, Title, TimeStart from 2003_Calendar;
```

```
+-----+-----+-----+-----+
| CalendarID | CategoryIDCSV | Title           | TimeStart |
+-----+-----+-----+-----+
|          1 | 10,15         | Bridges by Night | 20:00:00 |
+-----+-----+-----+-----+
```

```
mysql> select * from 2003_CalendarCategories;
```

```
+-----+-----+
| CategoryID | CalendarID |
+-----+-----+
|          10 |           1 |
|          15 |           1 |
+-----+-----+
```

```
mysql> select * from 2003_Categories;
```

```
+-----+-----+-----+
| CategoryID | Category | Active |
+-----+-----+-----+
|          10 | Ride     | Y      |
|          15 | +FREE    | Y      |
+-----+-----+-----+
```


Calendar: Form

Category Selection HTML

```
<form>
  <input type="checkbox" name="CategoryID[]" value="15" class="limitcat" />+FREE
  <input type="checkbox" name="CategoryID[]" value="10" class="limitcat" checked />Ride
</form>
```

Category Selection Rendered

+FREE Ride

Calendar: Validation & Query String

Validate Input and Set Optional Query String Segment

```

if ( empty($Form->CategoryID) OR !is_array($Form->CategoryID) ) {
    $Form->CategoryID = array();
    $Category = '';
} else {
    foreach ($Form->CategoryID AS $Key => $Value) {
        if ( !is_string($Value) OR !preg_match('/^\d{1,5}$/', $Value) ) {
            unset($Form->CategoryID[$Key]);
        }
    }
    $Category = ' AND CategoryID IN ('
        . implode(',', $Form->CategoryID) . ')';
}

```

Set Query String

```

$SQL->SQLQueryString = "SELECT { $Layout->BSYear } Calendar.CalendarID,
    CategoryIDCSV, Title,
    LOWER(TIME_FORMAT(TimeStart, '%l:%i %p')) AS TimeStartStr
FROM { $Layout->BSYear } Calendar
LEFT JOIN { $Layout->BSYear } CalendarCategories
ON ( { $Layout->BSYear } CalendarCategories.CalendarID
    = { $Layout->BSYear } Calendar.CalendarID)
WHERE ( (DateStart BETWEEN '$Form->From' AND '$Form->To')
    $Category
GROUP BY CalendarID";

```

Calendar: Category Array

Code Called At Start of Script

```
$$SQL->SQLQueryString = "SELECT CategoryID, Category FROM
    {$_Layout->BSYear} Categories";
$$SQL->RunQuery(__FILE__, __LINE__);

$CatDb = array();
while ( list($ID, $Cat) = $$SQL->RecordAsEnumArray() ) {
    $CatDb[$ID] = $Cat;
}
```

`print_r($CatDb)`

```
Array
(
    [10] => Ride
    [15] => +FREE
)
```

Calendar: Category String

Code Called For Each Calendar Item

```
$CatEvent = explode(',', $SQL->CategoryIDCSV);
$CatTranslate = array();

foreach ($CatEvent AS $ID) {
    $CatTranslate[] = $CatDb[$ID];
}

asort($CatTranslate);
$CatDisplay = implode(' ', $CatTranslate);
```

echo \$CatDisplay

```
+FREE, Ride
```

Calendar: Output

Rendered

+FREE, Ride	Bridges by Night	8:00 pm
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