BindingRestElement Binding Pattern

A Comedy of Errors? A useful pattern?

ES6 Grammar

```
ArrayBindingPattern[Yield] :
    `[` Elision? BindingRestElement?[?Yield] `]`
    `[` BindingElementList[?Yield] `]`
    `[` BindingElementList[?Yield] `,` Elision? BindingRestElement?[?Yield] `]`

BindingRestElement[Yield] :
    `...` BindingIdentifier[?Yield]

ArrayAssignmentPattern[Yield] :
    `[` Elision? AssignmentRestElement?[?Yield] `]`
    `[` AssignmentElementList[?Yield] `]`
    `[` AssignmentElementList[?Yield] `,` Elision? AssignmentRestElement?[?Yield] `]`

AssignmentRestElement[Yield] :
    `...` DestructuringAssignmentTarget[?Yield]
```

What does it mean?

```
[ … [ … x ] ] = [1, 2, 3];
// Ok, AssignmentRestElement allows a
DestructuringAssignmentTarget

let [ … [ … x ] ] = [1, 2, 3];
// Syntax error, BindingRestElement only allows a BindingIdentifier
```

Why?

- Historical accident?
- Bug filed on error thrown by having an array literal after a rest.
    - https://bugs.ecmascript.org/show_bug.cgi?id=3361

- Bug "fixed" by allowing AssignmentRestElement to be a binding pattern.
- Did not update BindingRestElement at the same time.

Possible Avenues

1. Keep as is.
2. Remove support for a binding pattern in a rest element.
3. Align AssignmentPattern with BindingPattern to allow further destructuring of the rest element.

```
BindingRestElement[Yield] :
    `...` BindingIdentifier[?Yield]
    `...` BindingPattern[?Yield]
```

Plus necessary static and runtime semantics to align with BindingPattern