This change breaks xlC builds on Summit:

https://charm.cs.illinois.edu/gerrit/#/c/charm/+/4623/

It just added the {} here:

```cpp
#define CpvInit_Alloc(t,n) new t[n]{}
```

The error is "expression not supported". Removing the braces allows it to build.

---

#1 - 11/30/2018 02:29 PM - Jim Phillips

Here is a simple example of the compiler limitation:

```
[jimp@login4.summit charm.new]$ cat mytest.C
void foo() {
  int *i = new int[12]{};
}
```

```
[jimp@login4.summit charm.new]$ xlC -std=c++11 mytest.C
mytest.C:2:22: error: 1540-2991 The expression is not supported.
  int *i = new int[12]{};
^ 1 error generated.
Error while processing mytest.C.
```

---

#2 - 11/30/2018 02:46 PM - Jim Phillips

I think that the following is equivalent and supported by xlC:

```cpp
#define CpvInit_Alloc(t,n) new t[n]()
```

---

#3 - 11/30/2018 03:04 PM - Jim Phillips

Fix implemented as https://charm.cs.illinois.edu/gerrit/#/c/charm/+/4842/

---

#4 - 11/30/2018 07:17 PM - Sam White

- Status changed from New to In Progress