

```
/**

* Similar to {@link #getNativeObject(long)} but returns null if object with given id cannot be

* found.

*/

public synchronized T peekNativeObject(long nativeId) {

...

}
```

It should be calling peekNativeObject so that it doesn't crash on null (e.g. the object has been released).

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Thanks for digging into this alanv@. I'll try to come up with a reduced test case to understand the issue better. Also should this be transferred to Mobile > Tools > Robolectric?

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I filed an issue on the Robolectric Github tracker: https://github.com/robolectric/robolectric/issues/6292

I'm planning to use this bug to track a workaround, if we need one.

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Re: Reduced test case, it should be enough to create an XML parser on an arbitrary XML file, run it until it hits END_DOCUMENT, and then call getName on it. You could also create an XML pars

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Ah, I see the problem.

Maybe the Robolectric implementation should follow the Android one:

From XmlBlock.getName: https://source.corp.google.com/android/frameworks/base/core/java/android/content/res/XmlBlock.java;l=196-199?q=xmlblock&ss=piper%2FGoogle%2Fandroid

```
public String getName() {
    int id = nativeGetName(mParseState);
    return id >= 0 ? mStrings.get(id).toString() : null;
}
```

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And it seems like the expectation is that nativeGetName returns -1 if the parser has been destroyed:

https://source.corp.google.com/android/frameworks/base/core/jni/android_util_XmlBlock.cpp;l=140-149

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Here's what I found sort of odd:

```
@Implementation(minSdk = VERSION_CODES.LOLLIPOP)
protected static int nativeNext(long state) throws XmlPullParserException {
   ResXMLParser st = getResXMLParser(state);
   if (st == null) {
      return ResXMLParser.event_code_t.END_DOCUMENT;
   }
```

 $\textbf{Clearly someone expected } \texttt{getResXMLParser} \textbf{ to return } \texttt{nu}11 \textbf{ at } \texttt{END_0F_DOCUMENT} \textbf{, as it does in the platform.}$

```
private static ResXMLParser getResXMLParser(long state) {
   return Registries.NATIVE_RES_XML_PARSERS.getNativeObject(state);
}
```

But this can never return null because $\operatorname{getNativeObject}$ either returns non- null or crashes with NPE.

So, yeah, I'd expect all of the native methods in Robolectric to be consistent with the platform and return a default (e.g1 value when peekNativeObject returns null.
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as it does in the platform.
Or rather, for the native object to be dealloc'ed.
Especially weird that nativeNext handles this case, but none of the other native methods in ShadowXmlBlock do.
al@google.com <al@google.com> Status: Won't Fix (Obsolete)</al@google.com>