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## Advisor Answers

Q: Some of our reports reference arrays created in programs other than the one from which the report is called. When we include such reports in projects, we get undefined reference errors. Any ideas on resolving these errors when they are generated by FRX's - where does one put the EXTERNAL directive?

-Tom Spitzer (via CompuServe)

A: When arrays declared in one component of a project are used in another component, Project Manager needs to be informed that the array is defined elsewhere. As you noted, the EXTERNAL ARRAY command allows you to do this.

For example, when an array is passed as a parameter to a function, the function should contain an EXTERNAL declaration for the array parameter to avoid compilation errors. Similarly, a screen can include an EXTERNAL declaration for an array in its Setup code.

However, reports have no place to store associated code. In this case, it's necessary to fool PM into believing that it knows about the array. The simplest way to do this is to put code like the following in the routine that calls the report.

```
IF .F.  
    * my_array is the array used in the report  
    PUBLIC my_array[10]  
ENDIF
```

Because this code is enclosed in an IF .F., it is never executed. However, PM sees the PUBLIC declaration and believes that the array has been declared public.

-Tamar