art - Bug #23174

Print the message of STL exceptions

08/27/2019 01:04 AM - Gianluca Petrillo

Status:	Closed		**Start date:**	08/26/2019
Priority:	Normal		**Due date:**	
Assignee:	Kyle Knoepfel		**% Done:**	100%
Category:	Infrastructure		**Estimated time:**	0.00 hour
Target version:	3.04.00		**Spent time:**	0.00 hour
Occurs In:	3.02.06		**Experiment:**	-
Scope:	Internal		**SSI Package:**	art

Description

My collaborator witnessed the following exception message:

```
%MSG-s ArtException:  PostEndJob 26-Aug-2019 14:10:01 CDT ModuleEndJob
cet::exception caught in art
---- OtherArt BEGIN
 ---- EventProcessorFailure BEGIN
   EventProcessor: an exception occurred during current event processing
   ---- EventProcessorFailure BEGIN
     EndPathExecutor: an exception occurred during current event processing
     ---- ScheduleExecutionFailure BEGIN
       Path: ProcessingStopped.
       ---- StdException BEGIN
         A exception occurred during a call to the module
       ---- StdException END
       Exception going through path end_path
     ---- ScheduleExecutionFailure END
   ---- EventProcessorFailure END
 ---- EventProcessorFailure END
---- OtherArt END
%MSG
```

with the precious information that *A exception occurred during a call to the module*.
It turns out that was a std::length_error exception.
It would help if the message had specified what() the exception was (after all, it's derived from std::exception, so it should be able to tell), and maybe the actual type of the exception (std::length_error).
I don't exclude that the output was printed somewhere else in the log, but even if so, it was surely not as prominent as in this 5-level-indented message.

Related issues:

Related to art - Bug #22995: module instance and class name missing in except...	**Closed**	**07/25/2019**

History

#1 - 09/04/2019 09:45 AM - Kyle Knoepfel

- Status changed from New to Feedback

Gianluca, which version of *art* are you using?

#2 - 10/01/2019 04:23 PM - Gianluca Petrillo

I believe it was *art* version v3_02_06.

#3 - 10/07/2019 10:32 AM - Christopher Green

- Status changed from Feedback to Accepted

#4 - 11/07/2019 02:43 PM - Kyle Knoepfel

- Related to Bug #22995: module instance and class name missing in exception printing added

#5 - 11/07/2019 02:44 PM - Kyle Knoepfel

- % Done changed from 0 to 100

- Target version set to 3.04.00

- Assignee set to Kyle Knoepfel

- Status changed from Accepted to Resolved

- Tracker changed from Feature to Bug

- Occurs In 3.02.06 added

- SSI Package art added

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Resolved with commit art:c78744d5, implemented while resolving issue #22995.

#6 - 11/14/2019 12:46 PM - Kyle Knoepfel

- Status changed from Resolved to Closed