THE mini• tasker

DECUS

RT-11 SIG NEWSLETTER

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The DECUS symposium in Los Angeles will give us an opportunity to interact with DEC management and influence the future of RT. To do this effectively, we need to determine and represent the needs of the majority of users. With the help of Bill Munson and Bob Bean of Digital we have prepared a questionaire which is included as part of this newsletter.
Please send responses as soon as possible directly to:

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Responses received before November 21 will influence DEC's presentation at Los Angeles. Those received before November 28 will influence our requests there.

COMMENTS FROM DEC

Of interest to current and future RT-11 Graphics/Laboratory Peripherals Users is a new course to be offered by Educational Services in California and Maryland. This is a new course offering and will appear in the January-June catalog. The course length is five days and the cost will be $375.00 or one training credit. The course will be held on the following dates, at these locations:

Sunnyvale, CA	November 17, 1975 February 9, 1976 May 24, 1976
Lanham, MD	May 3, 1976

To enroll in California, call: (408)984-0200, ext. 293

To enroll in Maryland, call: (301)459-7900, ext. 315,215

The following is a description of the course:

COURSE ABSTACT

This course is designed for users of the RT-11 Operating System. It will provide a working knowledge of the software features which support the GT-40, 42, or 44 Graphic Terminals and the LPS-11 Laboratory Peripherals System. Both units will be explained to gain a thorough understanding of their operation. Then the support provided at the Assembly Language level, under BASIC, and under FORTRAN will be examined. In all cases, programming examples will be worked out in class.

PREREQUISITES

A working knowledge of the material presented in the RT-11 Users Course.

COURSE OBJECTIVES

Upon successful completion of this course, the student will be able to:

1. Explain the operational theory of both the GT-40, 42, or 44 Graphics Terminals and the LPS11-S Laboratory Peripheral System.

2. Write programs to support both units via the MACRO-Assembly Language, BASIC, or FORTRAN.

COURSE OUTLINE

I. System Concepts

II. GT-40, 42, 44 Graphics Display
   - A. Capabilities
   - B. Programming Concepts
   - C. Display Macros at Assembly Language Level
   - D. Develop a Light-Pen-Application in class

III. BASIC/RT-11
   - A. Graphics Support
     1. Graphics functions available through the BASIC-Call Statement.
   - B. Develop a Display-Application in BASIC.

IV. LPS-11 Laboratory Peripherals System
   - A. Block Diagram
   - B. Options
     1. LPSAD-12 — A/D Convertor
     2. LPSKW — Real Time Clock
     3. LPSDR — Digital I/O
     4. LPSVC — Display Control

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DECUS SYMPOSIUM QUESTIONAIRE

NAME _____

I. The Hardware

1. 11/05,.....,11/70 ? ( )
2. How much memory ? ( )
3. What system device ? ( )
4. What terminal(s) ? ( )
5. LPS ? ( )
6. CAMAC ? ( )
7. Other peripherals ( )

II. The System

1. How long has RT-11 been running on this system ? ( )
2. Which version are you now running ? ( )
3. FORTRAN ? ( )
4. BASIC ? ( )
5. % time F/B (as opposed to S/J) ( )

III. Software Support

1. How many SPR's have you submitted in the last yr? ( )
   A. Were you satisfied with the response time ? ( )
   B. Were you satisfied with the response content ? ( )
   C. What percentage were suggestions, as opposed to problems ? ( )
2. When you got your kit, how long before you were up and running ? ( )
   A. Did you require assistance from DEC or others ? ( )
   B. If yes, what assistance, and from whom ? ( )
3. If you have converted from a previous release, can you estimate how much time was required to complete the conversion ? ( )

IV. Enhancements

1. Do you have access to an RSX system ? ( )
   A. If yes, are you interested in an RT-11 system as a task under RSX ? ( )
   B. If yes, for what purpose ? ( )
      Program development ? ( )
      Debugging ? ( )
      Networking ? ( )
      Application execution ? ( )
   C. Would you use such a thing as a conversion aid when growing from an RT to an RSX system, as opposed to using them jointly ? ( )

2. Would you be willing to pay slightly in response time for a simple high level command language ? (e.g. Compile, Copy, Print) ( )
3. Are you interested in seeing the RSX Task Builder running under RT-11 ? (slow, tree-structured overlay linker) ( )
4. Are you interested in seeing the RSX-11M 8K Macro running under RT-11 ? ( )
5. Please prioritorize the following (1 through 11)

RT task under RSX	( )
High level command language	( )
Power fail support	( )
Multi-terminal support in F/B	( )
RSX Letter under RT-11	( )
Improved magnetic tape support	( )
Improved Pip (e.g. ? feature)	( )
Task Builder	( )
8K Macro	( )
Memory management support	( )
File protection	( )

V. Comments

Anything is appropriate here: this questionaire, SIG activities, DEC policies, RT enhancements, etc. Please include comments on present features you would not like to sacrifice for the above enhancements.

V. BASIC/RT-11
   A. LPS11-S Support
      1. Commands available through BASIC-Call-Statement to control the options of the LPS11-S System.
      2. Develop an A/D Convertor Application in BASIC.

VI. FORTRAN/RT-11
   A. Graphics Support
      1. Commands available through FORTRAN-Call-Statement to control the Graphics unit.
      2. Develop a Graphics Application in FORTRAN
   B. LPS11-S Support
      1. Commands available through FORTRAN-Call-Statement to control the options of the LPS11-S System.
      2. Develop an LPS11 Application in FORTRAN.

COURSE LENGTH

5 days

DECUS

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ADDRESS CORRECTION REQUESTED