

DECUS NO.	12-82
TITLE	LAP6-DIAL TO PS/8 SOURCE FILE CONVERTER
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DECUS Program Library Write-up

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THE I/U SPECIFICATION LINE TO THE COMMAND DECODER CAN SPECIFY THE OFTION /N. THIS WILL CAUSE A NEW CATALOG TO BE REAL IN FUR THE FIRST INPUT DEVICE. DIAL NORMALLY KEEPS THE CATALUG (INUEX) IN CORE AND ONLY REREADS IT IF A NEW TAPE UNIT IS SPECIFIED UR 1F TH CAN'T FIND THE FILENAME IN THE CATALOG ALREAUY IN CURE. THIS OFTION IS COLY NECESSARY IF THE FILE DEING REFERENCED ON THE NEW TAPE HAD THE SAME NAME AS A FILE UN THE PREVIOUS TAPE ON THAT DRIVE.

ERRUR MESSAGES

FILE OFEN ERROR INPUT DEVICE NOT LINCTAPE OUTFUT WRITE ERROP FILE CLUSE FAILFU XXXX NCT FRUND UPU IS NOT A PUP=121 NO CUTFUT DEVICE SFECTFIED UUT DEV NUN=EXISTENT #INFUT READ ERROF HUUTFUT DEVICE FULL #INFUT TAPE BAU FORMAT

* DENUTES ERROR CHECKING FEATURES THAT ARE NOT YET IMPLEMENTED.

NOTE: SUNE FEATURES WERE PLANNED FOR THIS PROGRAM BUT WERE NOT IMPLEMENTED AS OF JUNE 18, 1972. SINCE THESE WILL PROBABLY NUT DELITIFEMENTED IN THE NEAR FUTURE, IT WAS FELT THAT THE PROGRAM AS IS SHOULD BE SUBMITTED TO DECUS SO THAT USENS CAN BENEFIT FROM WHAT IS ALREADY WRITTEN. TWO OPTIONS WHICH ARE FLANED ARE THE /L AND THE /B SWITCH. THE /L SWITCH WOULD CAUSE THE TAPE'S DIRECTORY TO BE CONVERTED TO A PS/8 FILE; AND THE /D SWITCH WOULD ALLOW BINARY FILES TO BE CONVERTED.

SUME ANDAN BUGS IN DIAL15 ARE:

- 1. IF THE SPELIFIED FILE IS NOT FOUND, THE MESSAGE XXXX NOT FOUND
- IS FRIMIED BUT XXXX IS GIBBERISH INSTEAD OF THE FILE NAME.
- 2. IF THE INPUT TAPE HAS THE WRONG FORMAT (I.E. NOT 400 WORDS/RLUCK), NU ERRUN MESSAGE IS GIVEN.
- 3. THE PRUGHAM DIES NOT HANDLE CORRECTLY ERRORS ON INPUT OR LUTPUT LEVICE FULL FRADES.
- 4. THE PRUGRAM DEES NOT GIVE AN ERROR MESSAGE IF NO INPUT FILES ARE SPECIFIED.

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LAFS-WIAL TO PS/8 SOURCE FILE CONVERTER

MARIC CENOBILL, FOLY RUESTION SOCIETY

THE PROGRAM, DIAL, WHICH RUNS UNDER PSZR (OR USZB) UN A MUFHIE WITH AT LEAST BK IS USED TO CONVERT ASCII SOURCE MILLS FRUM A LINCTAPE WITH THE LAMEHDIAL OR DIALHES MUNITOR SYSTEM TO A MOURCE FILE.

THE LATEST VERSION OF QIAL IS VERSION 15 AND IS THEREFORE NNOWN AS DIAL15. THE SCLERCE IS CALLED DIAL15.PA AND THE BINARY IS DIAL15.5N. THE SAVE IMAGE OF DIAL15 CAN BE CREATED FROM THE SINARY BY THE COMMANDS:

> - ABSLUR +LIALID.ENS -SAVE SYS CIALIS 16000-17577117400=6003

IL CALL DIAL FROM A PS/6 (LR CS/8) SYSTEM DEVICE UN AMICH IT RESILES, THE USER TYPES

.H UIAL15

IN RESPONSE TO THE DOT PRINTED BY THE REYBOARD MONITOR. WHEN DIAL BEGINS EXECUTION, IT CALLS THE COMMAND DECODER WHICH PRINTS A STAR. THE USER THEN SHELTFIES ONE OUTPUT FILE AND FROM 1 TH S INMUT FILES. THE UNLY LEGAL DEVICES WHICH CAN CONTAIN THE INPUT FILES ARE FUE-12 LINCTAPE DRIVES. THE USER'S PS28 OR US2N SYSTEM UPVICE MUST HAVE IINCTAPE HANDLERS ALTHOUGH THIS MEDGEAN WILL NOT USE THEM. SPECIFYING ANY INPUT LEVICE OTHER THAN A LINCTAPE WILL CAUSE AN EMACH MESSAGE TO BE GENERATED. ANY CUTFUT DEVICE AVAILABLE TO THE FS28 SYSTEM IS LEGAL FOR OUTPUT.

THE PROGRAM, DIAL, WILL READ IN THE LAPOWUTAL FILES SPECIFIED AS INPUT, CONCATENATE THEM TOGETHER IF MORE THAN UNE WAS SPECIFIED, PUT IT INTO FS70 FURMAT, AND STORE IT ON THE OUTFUT FILE OF OFVICE SPECIFIES. DIAL THEN RETURNS TO THE USER FOR MORE INFUT BY TYPING A STAR AGAIN AND WAITING FOR MORE COMMANDS. AT THIS FOINT, THE USEM CAN CONVERT MURE FILES OR TYPE CTREZE TO RETURN TO THE REFELANCE FURTUR.

SINCE LAPPHODIAL FILFNAMES CAN BE UP TO EIGHT CHARACTERS LUNG, THEY ARE REPERENCED BY USING THE PS/8 FILENAME AND POSSIBLY ALSO THE FOUR FILENAME EXTENSION. THUS, TO REFERENCE THE LAPS-DIAL FILE LALLED MILLRED ON LINETAPE DRIVE 3, THE USER SPECIFIES WIANIMILURE.D TO THE COMMAND DECODER, THE PERIOD BEFURE THE FILENANE EXTENSION (IF LNE IS GIVEN) IS IGNORED. IF GNLY A DEVICE NAME DUT TO FILENANT IS SPECIFIED, THE PROGRAM WILL TAKE THE FOUR UIGIT LETAL FAMAMFTER GIVEN TO THE COMMAND DECODER (IN THE FORM #NNNN) AS THE STARIING HEECK NUMBER FOR THE LAPSHOIAL FILE. THUS ETA2:#234 REFERS IN THE FILF ON LINCTAPE DRIVE 2 WHICH BEGINS AT PHYSICAL LINUTARE BLUCK 234 (OCTAL). THIS STARTING BLOCK NUMBER CAN BE UBTAINED IN AUVANCE USING THE PX COMMAND FROM THE LAPS-DIAL MUNITUR STATES. IN SOME CASES, IT IS NECESSARY TO REFER TO THE INPUT FILE BY ITS STARTING HLUCK NUMBER RATHER TEAN BY ITS NAME BECAUSE 1) MIGHT HAVE A NAME WHICH IS NOT A LEGAL FILENAME FOR THE PS/E CLEMANT RECERER, SUCH AS A FILE CALLED MESYDU-2.

P?S - 12 - 08 - UA

This LINCtape contains the source and binary for two programs: 1. The VRI2 Scope handler for PS/8 Source is TV11.PA Binary is TV11.BN Experimental source is TV14.PA 2. The LAP6-DIAL to PS/8 Converter. Source is DIAL15.PA Save image is DIAL15.SV

This LINCtape is already a PS/8 system tape containing the following handlers:

SYS:	(
DSK:	(same as SYS:)
LTAO:	
LTA1:	
LTA2:	
LTA3:	
LTA4:	
TTY:	
PTR:	(high speed)
PTP:	(high speed)
RKAO:	
TV:	(VR12 scope handler)
LPT:	(LP08 line printer)
LPT2:	(Annalex line printer)
CDR:	

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