

THIS DECTAPE (LINCTAPE) CONTAINS THE SOURCE AND BINARY FILES FOR EDWARD A TAFT III'S FOCAL 5/69 (DECUS: FOCAL8-52A) AND AN 8K OVERLAY (DECUS: FOCAL8-189) DEVELOPED BY MAGNUS LUNDIN. THIS TAPE HAS BEEN SUBMITTED INDEPENDENTLY FOR THE CONVENIENCE OF PS/8-OS/8 PROGRAMMERS AND HENCE MIGHT NOT REFLECT CHANGES MADE BY THE AUTHORS TO THESE PROGRAMS AT A LATER DATE. THE FILEDATE INDICATES THE VERSION INCLUDED. MINOR EDITING OF THE ORIGINAL PDP-10 SOURCE HAS BEEN PERFORMED SO THAT ASSEMBLY MAY BE DONE WITH PAL8. THE PROCEDURE IS GIVEN ON THE FIRST PAGE OF THE SOURCE WHICH MAY BE LISTED ON THE TTY WITH PIP. NOTE THAT THE BINARY FILES AS WELL AS A CORE-IMAGE FILE ARE INCLUDED SO THAT ASSEMBLY IS ONLY NECESSARY FOR PURPOSES OF MODIFICATION. THE LISTING FILES MAY BE PROCESSED WITH CREF IF DESIRED.

CONTENTS:

WRITE .UP	7/15/73	THIS FILE
FOCAL .SV	7/25/72	SINGLE-USER, 8K, EXTENDED FUNCTIONS
FOCAL5.69	7/25/72	FOCAL LANGUAGE PROCESSOR (SOURCE)
FLOAT5.69	7/25/72	ARITHMETIC PACKAGE (SOURCE)
EXTND5.69	7/25/72	SIN, COS, ATN, LOG, EXP (SOURCE)
8KOVRS.69	6/29/71	SINGLE USER 8K OVERLAY (SOURCE)
2USERS.69	7/25/72	TWO USER PATCH (SOURCE)
FOCAL .BN	7/25/72	MAIN BINARY FILE
EXTND .BN	7/25/72	EXTENDED FUNCTIONS
8KOVRS .BN	6/29/71	8K PATCH
2USER .BN	7/25/72	DUAL TTY
FOCAL .LS	7/25/72	LISTING
EXTND .LS	7/25/72	"
8KOVRS .LS	6/29/71	"
2USER .LS	7/25/72	"

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/* ** * FOCAL 5/69 * ** *

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/* ** * FOCAL 5/69 * ** *

/E.A.TAFT - REVISION OF FOCALW 8/68

/EAT/ 25-JUL-72

/ASSEMBLY INSTRUCTIONS FOR DECUS DECTAPE VERSION:

/INPUT FILES:

/	FOCAL5.69	FOCAL LANGUAGE PROCESSOR
/	FLOAT5.69	FLOATING POINT PACKAGE
/	EXTND5.69	EXTENDED FUNCTION PACKAGE
/	8KOVRS.69	8K SINGLE USER PATCH
/	2USERS.69	2-USER OVERLAY (8K SYSTEM)

/ASSEMBLY USING PAL8-V7 (ASSUMES INPUT FILES ON UNIT 1)

/	.AS DTA1 DSK
/	.R PAL8
/	*FOCAL, FOCAL+FOCAL5.69, FLOAT5.69
/	.R PAL8
/	*EXTND, EXTND+EXTND5.69
/	.R PAL8
/	*8KOVRS, 8KOVRS+8KOVRS5.69
/	.R PAL8
/	*2USER, 2USER+2USERS5.69

/EXAMPLE BELOW LOADS AND SAVES 8K SINGLE USER VERSION WITH
/EXTENDED FUNCTIONS:

/	.R ABSLDR
/	*FOCAL, EXTND, 8KOVRS
/	.SA SYS FOCAL

/CALLING SEQUENCE:

/	.R FOCAL
/	
/	C-FOCAL 5/69, 8K, F
/	