NAME

    chldata - Channel Data File

DESCRIPTION

       The channel data file, chldata, describes certain information about each channel on the SCCS. The file contains MAXCHL fixed - size records, and it is intended that information be extracted from the file by reading the file into an array of "CHL_B" structures, or by reading only a portion of the file into one such structure. The subroutine idchl(III) will return the information for a single channel.

All information in the file is in ascii; hence all elements are defined to be character arrays. The file is initialized to contain spaces in all elements, except the element "c_end", which is initialized to contain the string 'x\n' (so the file may be printed). It should be noted that all elements start on an even byte boundary; this causes some elements to be longer than they would have to be. In general, data is left - justified in each element, and leading zeroes appear where necessary to insure the required precision. Spaces are used to pad out unneeded characters in the elements c_name, c_act, c_gen, c_issue, and c_issno.

The element "c_act" is a special element; it is reserved for possible use by the recent change programs. It should be ignored by all other programs.

The element "c_issno" is a conversion of the element "c_issue" which allows the latter to always be represented as a number. The conversion is performed by multiplying the numeric portion of c_issue by decimal 10 and adding a number 1 through 9 to represent the possible letter issues "a" through "i". If no letter issue exists, nothing is added. For example, the following c_issue elements convert to the following c_issno elements:

c_issue	c_issno
01	010
05	050
10	100
10a	101
14c	143