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Subject: Help needed debugging TmpCreat128!

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Hi! I have yet to find the bug with my Template Creator 128 program. The Add Template module seems to work up to the call to Fields. The debug code I placed just after the call seems to run. But then, it does not display the New Format prompt--even though it is supposed to, as it is a new template disk--and displays an Insert Templates Disk message. I insert it and get the C128 Monitor. The PC is at F4433, where there is no code there. Following is the erroneous code:

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void tmp_add_main (void)
{
    //unsigned char i;
    //unsigned char /*i,*/ j;
    //char c;
    //struct dbentry* cur;
    //bzero (&tmp_db, sizeof(tmp_db));
    //bzero (&input, sizeof(input));
    //cleardb ();
    //bordercolor (0);cgetc ();
    //bzero (&input, sizeof(input));
    //bordercolor (1);cgetc ();
    instmpdiskp();

    tmpdb_open ();
    //bgcolor (2);
    /*curtemplate.name[0]=*///input.fmt[0]=0;
    //fName.data.text=curtemplate.name;//input.name;
    fTmp.data.text=input.out;//input.tmp;
    //fType.data.sel.sel=(cur->filetype=0);
    fType.data.sel.num=4;
    fType.data.sel.values=filetypes;
    //input.type=0;
    fType.data.sel.sel=&input.type;
    //fFmt.data.text=curtemplate.fmt;//input.fmt;
    //FillFmt();
    i=fFmt.data.sel.num=input.fmtnum=input.type=0;
    //bgcolor (3);
    for (; i<8; ++i) {
        //if (tmp_db.usedfmts&(1<<i)) {
        if ((tmp_db.usedfmts>>i)&1) {
            //usedfmts[j]=tmp_db.fmts[i];
            /*getfmt(fFmt.data.sel.num)=getfmt (usedfmtsnums[fFmt.data.sel.num]=i);
            usedfmts[fFmt.data.sel.num]=tmp_db.fmts[ (usedfmtsnums[fFmt.data.sel.num]=i)];
            //usedfmtsnums[j]=i;
            ++fFmt.data.sel.num;
        }
    }
}
```

```

//bgcolor (4);
if (fFmt.data.sel.num<8) {
    /*getfmt(fFmt.data.sel.num)=snone;
    usedfmts[fFmt.data.sel.num]=snone;
    ++fFmt.data.sel.num;
}
//numfmtsavail=j;
//input.fmtnum=0;
fFmt.data.sel.sel=&input.fmtnum;
//fFmt.data.sel.num=numfmtsavail;
fFmt.data.sel.values=usedfmts;
    //cclearxy(i=0,23,39); cclearxy(0,24,39);
i=j=input.tmp[0]=input.out[0]=0;
//clearline (23); clearline (24);

//gotoxy (0,24); prints ("Insert template disk...");
//cgetc();
//promptdisk (instmpdisk);
//for (; i<32 && (tmp_db.usedentries[i]>3)&(1<<(i&7))); ++i);
//for (; i<32 && *(unsigned long*)&tmp_db.usedentries)&(1<<i); ++i);
//bgcolor (1);

for (; j<32 && *(unsigned long*)&tmp_db.usedentries)>>j)&1; ++j);
if (j==32) {
    //gotoxy (0, 23); printscr ("Template disk full!\n"
    //    "Press any key to continue...");
    //cgetc(); return;
    promptdisk ("Template disk full!"); return;
}
//cur=getdbent(j);//&tmp_db.entry[i];
//fName.data.text=(cur=getent(j))->name;
//fName.data.text=(cur=getdbent(j))->name;
//cur=getdbent(j);
//cur=getent(j);
//input.type=0;
//fFmt.data.text=&(cur=getent(j))->filetype;
fTmp.data.text=input.tmp;
fName.data.text=input.out;//cur->name;
//bgcolor (1);

if (dialog(&flnTemp)) return;

bgcolor (3); cgetc ();

cur=getent(j);
//strcpy (cur->name, input.tmp);
//cur->filetype=input.type;
//bgcolor (3); cgetc ();

```

```

if (!strcmp(usedfmts[input.fmtnum], snone))
//if (usedfmts[input.fmtnum]==snone)
{
//bgcolor (4); cgetc ();
for (i=0; (tmp_db.usedfmts>>i)&1; ++i);
//bgcolor (5); cgetc ();
gotoy (17);
//bgcolor (6); cgetc ();
printf ("\nNew format name");
GetInput (getfmt(i), 17);
tmp_db.usedfmts|=1<<i;
} else {
//for (; strcmp(getfmt(i), getfmt(input.fmtnum)); ++i);
i=usedfmts[input.fmtnum];
} cur->fmt=i;
//gotoxy (0,24); prints ("Insert input disk... ");
//cgetc();
promptdisk ("Insert input disk...");
//strcpy (curtemplate.name, input.tmp);
//strcpy (curtemplate.fmt, input.fmt);
//sprintf (fi,"0:%s,%c,r", input.name, filetypes[input.type][0]);
//strcpy (curtemplate.name, input.tmp);
//strcpy (curtemplate.fmt, input.fmt);
//j=filetypes[input.type][0];
//sprintf (fi,"%s,%c", curtemplate.name, filetypes[input.type][0]);
//sprintf (fi, "%s,%c", curtemplate.name, j=filetypes[input.type][0]);
//sprintf (fi, &qfilename[2], curtemplate.name, j=filetypes[cur->filetype=input.type][0]);
//cputsxy (0,1, fi); cgetc();
//cbm_open (filenum, 8, CBM_READ, fi);
//openfile (CBM_READ);
//openfile (curtemplate.name, CBM_READ);
//openfile (cur->name, CBM_READ);
//promptdisk (input.tmp);
bgcolor (4); cgetc();//
openfile (input.out, CBM_READ);
bgcolor (2);
#ifdef __C128__
cur->size=/*curtemplate.size=*/bank1_cbm_read(filenum, 0x400, 0xF000);
#else
cur->size=/*curtemplate.size=*/h_cbm_read(filenum, templatedata, 0x9800);
#endif
//cur->size=h_cbm_read(filenum, curtemplate.data, 32767);
//curtemplate.size=cbm_read(filenum, curtemplate.data, 32767);
bgcolor (3);
cbm_close (filenum);
//chn15();
//clrscr(); printf ("size = %d\n", curtemplate.size); cgetc();
//if ((signed) curtemplate.size<0) {

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if ((signed) cur->size==-1) {
    //gotobottom (); puts ("Error loading template!");
    //cgetc(); return;
    promptdisk ("Error loading template!");
    return;
}
//if (curtemplate.size==32767) {
//if ((int)curtemplate.size<0) {
if (!cbm_k_readst()&0x40) {
    //gotobottom (); puts ("Template too large!");
    //cgetc(); return;
    promptdisk ("Template too large!");
    return;
}

//strcpy (tmp_db.entry[i].name, curtemplate.name);
strcpy (cur->name, input.tmp);
//strcpy (cur->name, input.tmp);
//cur->size=curtemplate.size;
cur->filetype=input.type;
//tmp_db.usedentries[i>3]=(1<(i&7));
__asm__ ("\tlda\t_j\n"
        //"\tpha\n"
        "\tand\t#7\n"
        "\ttay\n"
        //"\tpla\n"
        "\tlda\t_j\n"
        "\tlsr\n"
        "\tlsr\n"
        "\tlsr\n"
        "\ttax\n"
        //"\tlda\t_tmp_db+17,x\n"
        "\tlda\t#1\n"
        "\tcpy\t#0\n"
        "\tbeq\t@zz12\n"
        "@zz11:\n"
        "\tasl\n"
        "\tdey\n"
        "\tbne\t@zz11\n"
        "@zz12:\n"
        "\tora\t_tmp_db+18,x\n"
        "\tsta\t_tmp_db+18,x\n"
        );
/*(unsigned long*)(&tmp_db.usedentries)|=(1<i);

//gotoxy (0,24); prints ("Insert template disk...");
//cgetc();
//promptdisk (instmpdisk);

```

```

instmpdiskp ();
//sprintf (fi, "@:%s,%c", input.tmp, j);
//sprintf (fi, qfilename, input.tmp, j);
//cputsxy (0,1, fi); cgetc();
//cbm_open (filenum, 8, CBM_WRITE, fi);
//openfile (CBM_WRITE);
tmpdb_save();

openfile (cur->name, CBM_WRITE);
//printf ("ST: %d\n", (unsigned) cbm_k_readst()); cgetc();
//h_cbm_write (filenum, curtemplate.data, cur->size=curtemplate.size);
#ifdef __C128__
bank1_cbm_write (filenum, 0x400, cur->size);
#else
h_cbm_write (filenum, templatedata, cur->size);
#endif
//cbm_write (filenum, curtemplate.data, curtemplate.size);
//chn15();
cbm_close (filenum);
}
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```

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