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char *fmts[MAXFMTS] =
{
    "", // dummy so CF_TEXT (1) can be used to access "CF_TEXt", etc.
    "TEXT", // CF_TEXT
    "B:BITMAP", // CF_BITMAP
    "METAFILE", // CF_METAFILEPICT
    "SYLK", // CF_SYLK
    "DIF", // CF_DIF
    "TIFF", // CF_TIFF
    "OEMTEXT", // CF_OEMTEXT
    "DIB", // CF_DIB
    "PALETTE", // CF_PALETTE
};

void BackPack::WMINITMENU(WinAppMsg)
{
    CheckMenuItem(GetSystemMenu(hWndd, 0), SC_AUTOLOAD, (MF_BYCOMMAND | (bAutoLoad > 0 ? MF_CHECKED : MF_UNCHECKED)));
    CheckMenuItem(GetSystemMenu(hWndd, 0), SC_AUTOPACK, (MF_BYCOMMAND | (bAutoPack > 0 ? MF_CHECKED : MF_UNCHECKED)));
}

void BackPack::WMCHANGECBCHAIN(WinAppMsg)
{
    if(m_wParam == clp.NextViewer) // our 'next' is removing itself
        clp.NextViewer = LOWORD(m_lParam);
    else if(clp.NextViewer) // not our 'next', tell our 'next'
        SendMessage(clp.NextViewer,m.msg,m.wParam,m.lParam);
}

void BackPack::AutoLoad(void)
{
    bAutoLoad = !bAutoLoad;

    // if Auto Load is selected and app name is not in LOAD= list
    if(bAutoLoad && !strstr(outbuf,AppName))
    {
        strcpy(outbuf,AppName); // put WinColor in buffer
        strcat(outbuf," "); // add blank and name to it
        p = &Lastchar(outbuf); // goto last character
        p++; // set to the NULL
        // append LOAD= list
        GetProfileString("windows","load","",p,sizeof(outbuf)-(p-outbuf));
        WriteProfileString("windows","load","",outbuf);
    }

    // if Auto Load is not selected and app name is in LOAD= list
    if(!bAutoLoad && (p = strstr(outbuf,AppName)))
    {
        *p = '\0'; // NULL at start of appname
        p += strlen(AppName); // move past appname
        strcat(outbuf,p); // copy everybody up
        WriteProfileString("windows","load",outbuf);
    }
}

void BackPack::ResizeFileHeader(void)
{
    WORD oldMax = arrayMgr.MaxElements(); // get original array size
    if(oldMax < MaxItems) // if array was expanded
    {
        char dir[MAXPATHLEN];
        GetWindowsDirectory(dir,sizeof(dir));
        strcat(dir,"\\");
        strcat(dir,szBackPackTemp);
    }
}

File TempFile(File)
{
    // create temp file object
    TempFile.Create();
    TempFile.Append(StackFile,0,tempOffset);
    HANDLE hMem = GlobalAlloc(GHND,0xFFFF);
    LPSTR buffer = GlobalLock(hMem);
    TempFile.Append(StackFile,0,tempOffset,buffer);
    for(int i = 0; i < arrayMgr.NumElements(); i++)
    {
        if(arrayMgr.IsDupe(i))
            i++;
    }
}

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if(!arrayMgr.IsFirstDupe(i)) // but a subsequent one,
    continue; // calculate it's true size
    DWORD size = arrayMgr[i]->size + sizeof(CLIPOBJECT);
    if(arrayMgr[i]->format == CF_BITMAP)
        size += sizeof(BITMAP); // if bitmap, add size of BITMAP
    TempFile.Append(StackFile, arrayMgr[i]->offset,
                    size+arrayMgr[i]->offset, buffer);

    /* COMPAQ and the COMPAQ logo are registered trademarks of the
     * COMPAQ Computer Corporation.
     */

    if(arrayMgr.IsDupe(i)) // if it's a dupe
        arrayMgr.UpdateDups(i, tempOffset); // update all of them
    else
        arrayMgr[i]->offset = tempOffset; // set for next location in Tempfile
    tempOffset += size;
}

TempFile.Close();
StackFile.Close();
StackFile.Delete();
TempFile.Rename(StackFile.GetName()); // rename the disk file
StackFile.Open(of_RDWR); // re-open it
#endif
}

void BackPack::Init(void)
{
    myCursor(WAIT);
    // initialize list box here...
    if(newFile)
    {
        arrayMgr.Init(MaxItems);
        UpdateHeader(StackFile);
        newFile = FALSE;
    }
    else
    {
        // go to array table offset
        StackFile.ReadAt(0L, sizeof(header), &header);
        arrayMgr.init(header.MaxElements); // create array and init maxEl
        arrayMgr.SetNumElements(header.NumElements); // init numEl
        arrayMgr.lastOffset(header.lastOffset); // init lastOffset
        StackFile.ReadAt(0L+sizeof(header),
                        (WORD)arrayMgr.Size(), arrayMgr.Array());
        if(arrayMgr.MaxElements() != MaxItems) // if array needs resizing
            ResizeHeader(); // do it.
        if(bAutoPack)
            PackFile();
        InitListBox();
        clip.JoinViewers(); // become part of clipboard chain
        myCursor(ARROW);
    }
}

```