

New Technical Notes

Macintosh



Developer Support

TextEdit Conversion Utility

Text

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March 1988
April 1985

Text sometimes must be converted between a Pascal string and “pure” text in a handle. This note illustrates a way to do this using MPW Pascal.

Text contained in TextEdit records sometimes must be passed to routines which expect a Pascal string of type Str255 (a length byte followed by up to 255 characters). The following MPW Pascal unit can be used to convert between TextEdit records and Pascal strings:

```
UNIT TEConvert;

{General utilities for conversion between TextEdit and strings}

INTERFACE

    USES MemTypes, QuickDraw, OSIntf, ToolIntf;

    PROCEDURE TerecToStr(hTE: TEHandle; VAR str: Str255);
    {TerecToStr converts the TextEdit record hTE to the string str.}
    {If necessary, the text will be truncated to 255 characters.}

    PROCEDURE StrToTerec(str: Str255; hTE: TEHandle);
    {StrToTerec converts the string str to the TextEdit record hTE. }

IMPLEMENTATION

    PROCEDURE TerecToStr(hTE: TEHandle; VAR str: Str255);

        BEGIN
            GetIText(hTE^.hText, str);
        END;

    PROCEDURE StrToTerec(str: Str255; hTE: TEHandle);

        BEGIN
            TEsSetText(POINTER(ORD4(@str) + 1), ORD4(length(str)), hTE);
        END;

END.
```

Further Reference:

- Macintosh Memory Management: An Introduction TextEdit