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\input file inside a macro definition

If you have a file and want to read its contents in a macro definition, TEX does not allow to simply use

```
\edef\foo{\input file }
```

because at the end of a file TEX checks if you are inside an incomplete `\if` statement or `\def` macro definition and outputs the error message

```
! File ended while scanning text/definition of ...
```

Nonetheless there is a non-trivial way to avoid this error message:

```
\immediate\openout15=bt-pp-r4.tex
\immediate\write15{Another TeX}
\immediate\write15{Pearl\string\noexpand}
\immediate\closeout15

\edef\foo{Yet \input bt-pp-r4.tex !}
\message{\meaning\foo}
```

The primitive `\noexpand` does all the magic and you will get

```
macro:->Yet Another TeX Pearl!
```

without any error message.
Question: Why has `\noexpand` this effect?
If you are using ε-TEX, you can set its new special token list `\everyeof` to `\noexpand` to achieve this effect without changing the file.