

**T:mk.tmp**

**COLLABORATORS**

	<i>TITLE :</i> T:mk.tmp		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## T:mk.tmp

### 1.1 main

```
--background--  
rexx_misc.library/GetMouse  
rexx_misc.library/GetUniqueID  
rexx_misc.library/Phonemes  
rexx_misc.library/ReadClip  
rexx_misc.library/Speak  
rexx_misc.library/WBInfo  
rexx_misc.library/WriteClip
```

### 1.2 --background--

```
--background-- :
```

```
$(C): (1996, Rocco Coluccelli, Bologna)  
$VER: rexx_misc.library 37.1 (24.03.97)
```

```
rexx_misc.library
```

This sub-library of the rexxMOOS.library include functions from several Amiga system libraries and devices.

```
GetUniqueID()  
Phonemes()  
ReadClip()  
Speak()  
WBInfo()
```

---

```
WriteClip()
```

NOTES

Is part of the MOOS package.

TODO

BUGS

### 1.3 rexx\_misc.library/GetMouse

GetMouse :

NAME

GetMouse -- Read the mouse pointer position.

SYNOPSIS

```
ret = GetMouse(options)
```

FUNCTION

The function returns the position of the mouse pointer into the current screen.

INPUTS

options - "PosX=X/S,PosY=Y/S"

"PosX" - The result value is the "x" coordinate.

"PosY" - The result value is the "y" coordinate.

RESULT

The returned value depends on the options switches.

EXAMPLE

```
SAY GetMouse('X')
```

SEE ALSO

intuition/intuitionbase.h

### 1.4 rexx\_misc.library/GetUniqueID

GetUniqueID :

---

## NAME

GetUniqueID -- return a relatively unique number. (V39)

## SYNOPSIS

```
id = GetUniqueID()
```

## FUNCTION

Returns a unique value each time it is called. This is useful for things that need unique ID such as the GadgetHelp ID, etc. Note that this is only unique for 4,294,967,295 calls to this function. Under normal use this is not a problem. This function is safe in interrupts.

## INPUTS

## RESULT

An unsigned long integer.

## EXAMPLE

```
temp = "t:tmp." || GetUniqueID()
SAY temp
```

## NOTES

This function is only available from the version 39 of the utility.library. On systems using older versions of the library the returned value... (NOT YET IMPLEMENTED).

## SEE ALSO

utility.library/GetUniqueID()

## 1.5 rexx\_misc.library/Phonemes

Phonemes :

## NAME

Phonemes -- Convert a string into narrator device phonemes.

## SYNOPSIS

```
str = Phonemes(string)
```

## FUNCTION

This function converts the given text string into a string of phonetic codes suitable as input to the narrator device.

---

## INPUTS

string - Using the version 37 of the translator.library the given string might be only an english text string. The new translator.library (V42) accepts string of any language.

## RESULT

str - The phonetic representation of the given string. In case of errors an empty string will be returned.

## EXAMPLE

```
SAY Phonemes("Do you like MOOS?")
```

## BUGS

There's a dangerous bug into the new translator.library (V42). Its Translate() function goes over the buffer limits and this has required a run-around: the allocated buffer is three times the dimension of the given text string.

## SEE ALSO

translator.library/Translate(), rexx\_misc.library/Speak()

## 1.6 rexx\_misc.library/ReadClip

ReadClip :

## NAME

ReadClip -- Read text stored into the clipboard.

## SYNOPSIS

```
str = ReadClip(options)
```

## FUNCTION

This function read the FTXT chunk of any clip stored into the clipboards at a given unit number.

## INPUTS

options - "Unit/N"

"Unit" - Any number into the range 0-255 is valid.  
(default is 0)

## RESULT

str - If the clip entry selected using "Unit" has a valid IFF FORM..FTXT structure then the stored text is returned otherwise an empty string.

#### EXAMPLE

```
SAY ReadClip()
```

#### SEE ALSO

```
clipboard.device/CMD_READ, rexx_misc.library/WriteClip()
```

## 1.7 rexx\_misc.library/Speak

Speak :

#### NAME

Speak -- Speaks using the narrator device. (V37)

#### SYNOPSIS

```
success = Speak(string,options)
```

#### FUNCTION

This function opens the narrator.device to say the given text string (or its phoneme representation).

#### INPUTS

string - A normal text string, or its phoneme representation.

options - "Phoneme=PH/S,Rate/K/N,Pitch/K/N,Freq/K/N,Vol/K/N,  
Female/S,Robot/S,Nat/S,Enth/K/N,Pert/K/N"

"Phoneme" - Use this switch to signal that the given string has already been translated into its phonetic representation. By default the function converts the given text using the translator.library.

"Rate" - Speaking rate, words per minute, can vary from 40 up to 400 (default 150).

"Pitch" - The voice pitch, can vary from 65 up to 320 (default 110).

"Freq" - The minimum accepted value for the sampling frequency is 5000 (Hz) up to a maximum of 28000 (default 22200).

"Vol" - The volume may vary from 0 up to 64 (default 64).

"Female" - The default vocal tract is "Male", but it can be



changed to "Female" using this switch.

- "Robot" - This switch select a monotone pitch contours.
- "Nat" - This switch select the natural pitch contours.
- "Enth" - The default value for the "enthusiasm" is 32, but it may vary from 0 up to 255.
- "Pert" - To add a "perturbation" to the generated voice can be specified a value from 0 up to 255 (default 0).

#### RESULT

success - boolean value (1 mean all done, ok).

#### EXAMPLE

```
opt = 'freq 23500 enth 255 rate 80'  
CALL Speak("Daddy? What does 'formatting C:' mean?",opt)
```

#### NOTES

This function requires the version 37 of the narrator.device.

#### SEE ALSO

rexx\_misc.library/Phonemes(), narrator.device

## 1.8 rexx\_misc.library/WBInfo

WBInfo :

#### NAME

WBInfo -- Bring up the Information requester. (V39)

#### SYNOPSIS

```
success = WBInfo(pathname)
```

#### FUNCTION

This is the function that Workbench calls to bring up the Icon Information requester. External applications may also call this requester.

#### INPUTS

pathname - The icon path name (without ".info"). The function is able to bring up the information requester for every file, directory, device, including "#?.info", but may be really useful only on those provided with an icon.

## RESULT

success - boolean value (1 mean all done, ok).

## EXAMPLE

```
CALL WBInfo("SYS:System/Format")
```

## NOTES

This function is only available from the version 39 of the wb.library.

## BUGS

Into this release, the function returns "0" only if the given path doesn't exist, no matter if the requester has been opened.

## SEE ALSO

wb.library/WBInfo()

## 1.9 rexx\_misc.library/WriteClip

WriteClip :

## NAME

WriteClip -- Write text into the clipboard.

## SYNOPSIS

```
success = WriteClip(text,options)
```

## FUNCTION

This function write the given "text" into any clipboard unit.

## INPUTS

text - It might be a normal block of text, but the function doesn't check which kind of data will be really stored into the clip.

options - "Unit/N"

"Unit" - Any number into the range 0-255 is valid.  
(default is 0)

## RESULT

success - boolean value (1 mean all done, ok).

---

## EXAMPLE

```
SAY WriteClip("The text for the clip...")
```

## BUGS

## SEE ALSO

```
clipboard.device/CMD_WRITE, rexx_misc.library/ReadClip()
```