Returns
Record

Description
This tool function returns the state of the frames in a record.

1.4.23 messageline - Tool

Package display
Module widgets

Tk widget to display and log one-line messages.
include "messageline.g"

Constructors

messageline	*Construct a messageline*

Functions

clear	*Clear the contents of the widget*
done	*Destroy the widget*
post	*Post a message to the widget and the logger*
postnoforward	*Post a message to the widget*

Description

This simple Tk widget is a place for a complex GUI to display one-line messages (typically on the status of the task being controlled by the GUI) and simultaneously log those messages to the AIPS++ logger via the note function. The messageline widget is in many ways just like an entry widget. The messageline widget supports these entry widget events: background, bind, borderwidth, exportselection, font, foreground, justify, relief, view, and width. These events are all forwarded directly to the underlying entry widget.
In addition, the following three events control the displayed text:

post *This is what you use to display a message and send it off to the logger. It takes a single argument, the message.*

postnoforward *Use this to display a message which should not be logged. It takes a single argument, the message.*

clear *This clears the message.*

All events emitted by the underlying entry widget are re-emitted by this widget. These events will be any events due to binds set through the bind event plus the xscroll event. The xscroll event, along with the view event, allows a horizontal scrollbar to be associated with this widget just as you would the entry widget. The widget can be destroyed using the done function.

Example

```
include 'messageline.g'
f := frame()
ml := messageline(f)
ml->post('This message is displayed and logged.')
ml->postnoforward('This message is just displayed.')
ml->clear() # the widget is now cleared
# optionally add a scrollbar, if you think the messages might get long
sb := scrollbar(f, orient='horizontal');
whenever sb->scroll do {ml->view($value);}
whenever ml->xscroll do {sb->view($value);}
```

messageline - Constructor

Package	**display**
Module	**widgets**
Tool	**messageline**

Construct a messageline

Synopsis

messageline(parent, width, justify, font, relief, borderwidth, foreground, background, exportselection, hlp, messagenote, widgetset)

Arguments

parent	*Parent of the messageline* *Allowed: Tk frame*
width	*Width in characters units* *Allowed: Integer* *Default: 30*
justify	*Justification of text* *Allowed: String from 'center', 'left', 'right'* *Default: 'left'*
font	*Font of text* *Allowed: X font* *Default: ''*
relief	*Edge relief* *Allowed: String from 'flat', 'ridge', 'raised', 'sunken', 'groove'* *Default: 'sunken'*
borderwidth	*Border width* *Allowed: Integer* *Default: 2*
foreground	*Color of text* *Allowed: X color* *Default: 'black'*
background	*Background color* *Allowed: X color* *Default: 'lightgrey'*
exportselection	*export to X clipboard?* *Allowed: Boolean* *Default: T*
hlp	*Short popuphelp text* *Allowed: String* *Default: No help*
messagenote	*The note function to use* *Allowed: A note function* *Default: note*
widgetset	*Widget set to use* *Allowed: A widgetserver closure tool* *Default: dws*

Returns
messageline widget

Description
Constructs a messageline according to the specified construction arguments, and returns a ref to the widget.

messageline.clear - Function

Package	**display**
Module	**widgets**
Tool	**messageline**

Clear the contents of the widget

Synopsis
clear()

Description
This is an event. When sent to this widget the contents of the widget will be cleared.

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messageline.done - Function

Package	**display**
Module	**widgets**
Tool	**messageline**

Destroy the widget

Synopsis
done()

Returns
boolean

Description
This function destroys the widget. It will be unusable after this function has been called.

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messageline.post - Function

Package	**display**
Module	**widgets**
Tool	**messageline**