
Subject: ArrayCtrl: how activated a callbak by an embedded Option

Posted by [forlano](#) on Wed, 19 Jun 2024 14:28:26 GMT

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Hello,

I have un ArrayCtrl and some of its cell contains an Option created with

```
arr.CreateCtrl<Option>(0, 2, false);
```

Each time an Option is clicked I need a callback that recognise the row and column where the Option was. The callback is like this:

```
void MyApp::SetTB()
{ int row = arr.GetClickRow();
  if (row<0) return;
  int col = arr.GetClickColumn();
  Exclamation( AsString(row) + " " + AsString(col));
}
```

Unfortunately, I am not able to achieve this simple task. I tried with no success

```
arr.WhenSel = THISBACK(SetTB);
arr.WhenCtrlsAction = THISBACK(SetTB);
arr.WhenLeftClick = THISBACK(SetTB);
...
```

but the associated callback do nothing when I click the Option. It seems the Option shadow the arrayctrl and prevent it to pass the clicked cell. Even the cursor of the arrayCtrl does not move when I click on the Option of fifferent rows.

Instead the callback works when I click a cell whitout the Option.

Perhaps this is a feature. Is there a way to add an Option inside the ArrayCtrl and then pick its coordinate inside the arrayctrl when it is clicked?

Thanks,
Luigi

Subject: Re: ArrayCtrl: how activated a callbak by an embedded Option

Posted by [pvictor](#) on Thu, 20 Jun 2024 09:17:25 GMT

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Hi, Luigi!

Here's a small example:

```

#include <CtrlLib/CtrlLib.h>

using namespace Upp;

struct Test : TopWindow {
    ArrayCtrl ar;

    void AddOption(int row, int col) {
        Option& opt = ar.CreateCtrl<Option>(row,col,false);
        opt << [&,row,col] {
            Exclamation(Sprintf("Row=%d; Col=%d; Status=%d", row, col, opt.Get()));
        };
    }

    Test() {
        SetRect(0, 0, 640, 480);
        Add(ar.SizePos());
        ar.AddColumn("Col 1", 1);
        ar.AddColumn("Col 2", 1);
        ar.AddColumn("Col 3", 1);
        for (int i=0; i<10; ++i) ar.Add(i);
        AddOption(0, 1);
        AddOption(1, 2);
        AddOption(2, 1);
        AddOption(3, 2);
        AddOption(4, 1);
        AddOption(5, 2);
        AddOption(6, 1);
        AddOption(7, 2);
    }
};

GUI_APP_MAIN {
    Test().Run();
}

```

Best regards,
Victor

Subject: Re: ArrayCtrl: how activated a callbak by an embedded Option
 Posted by [forlano](#) on Thu, 20 Jun 2024 10:22:49 GMT
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Hi Victor!

thanks a lot for this beautiful example!

I still need to learn how to create ctrls at runtime and attach them a callback.

Best regards,
Luigi
