

Revised Alert Messages Application

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1 Introduction

This work is the latest revision of previous versions that implements changes requested by the project specialist, Elizabeth Waagen, AAVSO, including:

1. Add forum links to notice input and html document.
2. Automate handling of include graphic in original and edited submittals.
3. Reorder star table columns, vertically.
4. Cosmetic changes, fix errors.

2 Staff member menu

Annum has been changed to ANnum, shown circled in red.



Alert notices

Welcome peter

[submit new alert](#) [edit/view any alert](#) [delete](#) [alert html](#) [logout](#)

<input type="checkbox"/>	Notice Title	ANnum	Submitted	Lname	Startdate	Enddate	Status
<input type="checkbox"/>	test alert message	—	Dec. 1, 2021	Higgins	Dec. 10, 2021	Dec. 30, 2021	accepted
<input type="checkbox"/>	test upload	—	April 25, 2022	Higgins	April 27, 2022	April 29, 2022	pending
<input type="checkbox"/>	test upload	—	April 25, 2022	Higgins	April 27, 2022	April 29, 2022	pending

Figure 1: staff menu

3 Changes in staff edit/view of a notice

Several changes have been made including:

1. This form still allows staff to enter a new notice because often a notice is entered by staff from email information from PIs. This probably will still be the case even when PI's can use this app to enter notices directly.
2. The form is 30 margin pixels from left side of page, not centered. Title is changed. This is consistent with Sara's specification for sun spot entry.
3. An entry box has been added for staff entry only of the AAVSO relevant forums (red ellipse). Staff can cut and paste forum string data giving title and html link, but the leading character before title and link must be a # character instead of a dash character as shown by blue ellipse.
4. Entry of an optional graphic is uses a forms.FileField control in the form, shown here within a green ellipse, and a model.CharField as before. The handling of this entry has been changed. When a new notice is created, including an optional graphic is optional and the notice can be generated and saved to the database without it. No error is thrown if no graphic is chosen. But if a graphic is entered, several things happen: the graphic is now saved in the table field in the database AND it is now automatically uploaded into the project so it is found by the html writer. When selected its name appears alongside the control on the entry form. But unlike all other fields, it does not appear in an edit of this notice, even though it is in the database and has been uploaded. That is when the notice is called back by an edit, the edit doesn't include the original selection. Because of this, previous versions of this app required the user to reselect it even when it doesn't change in the edit. This is a problem because the editor may not remember what was originally selected, and it doesn't show on the form. This revision includes a work-around to this problem. Now when a notice record is selected by the checkbox, the included file (if this one) is captured using REQUEST.POST and stored in a session variable. When the edit is saved if no new selection is discovered, the previous selection is recalled from the session variable and the revised notice record is updated with the previous selection (so the user now does nothing to restore the original choice). The code for this complication is in two funtions - the new notice handler, and the edit notice handler shown in the figures below.
5. Figure 3 shows the bottom of the new or edit form. It is moved to the left and the entries are not centered as highlighted by green ellipse. As requested the star columns now are arranged vertically not horizontally so that s2 is below s1 in the left column, not beside s1 in the right column (black ellipse).

The code for processing the include graphic is:

AAVSO

menu save edit email feedback logout

STAFF PROCESS ALERT NOTICE

Submitter and dates

Submitted: 12 / 01 / 2021 Start date: 12 / 10 / 2021 End date: 12 / 30 / 2021

Urgency: ☒ normal ☐ immediate Status: ☐ pending ☒ accepted ☐ conditional ☐ rejected

Title: test alert message

Last name: Higgins First name: Peter Affiliation: none

Contact: higgins41@icloud.com Notice number: 1001 Approved: 04 / 26 / 2022

Feedback:

Forums:

Optional: Please enter the file name of a graphic to include, limit 1 MByte

Browse... No file selected

Figure 2: Revised new entry form, top

CADENCE Hourly ☒ Nightly ☐ Weekly ☐ Monthly ☐ Time Series ☐

VARIABILITY Cataclysmic Variables ☒ Eclipsing Binary ☐ Exoplanet ☐ High Energy ☐ Long Period Variables ☐ Short Period Pulsators ☐ Young Stellar Objects ☐

SPECTROSCOPY

☐ low ≤ 1000

☐ medium ≤ 5000

☒ high > 5000

wavelengths/4000-10000/A

Modes of Observing

photometers VISUAL ☒ CCD-CMOS ☐ DSLR ☐ PEP ☐

filters U ☒ B ☐ V ☐ R ☐ I ☐ u ☐ g ☐ r ☐ i ☐ z ☐ CV ☐ CR ☐

Add target VSX star names only, program will look them up in VSX, name* not found

s1 s2 s3 s4 s13 s14 s15 s16

Figure 3: Revised new entry form, bottom

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if "edit" in request.POST: get the include graphic in original posting, first get record
pid = request.session['editrec'] idd = int(pid[0]) print("edit",idd) make query dictio-
nary from this record using the session stored id key tb=submittal.objects.get(id=idd)
print("tb",tb.table) get fields needed for success message rqp = request.POST sid =
rqp.get('ld') title = rqp.get('title') get new graphic if the user chose another tblblank =
rqp.get('table') print("sform table",tblblank) make an edit form of the edited record sform
= EditForm(request.POST,request.FILES) if sform.is_volid() : print("sformisvalid")iftheuserchoseanother,
handle_uploaded_file(request.FILES['table'])sform.save()poststars(request,0)submittal.objects.filter(id =
pid).delete()submitmsg = "ThankyouforyoueditedsubmissionoftheAlertNotice entitledIfyouhaveanyfur
br > pleaseemaileowaagen@aavso.org."messages.success(request,marksafe(submitmsg))butiftheuserdidn
sform.save()poststars(request,0)print("pointA")sincetheformissavedwithoutanyincludethelastidisthereco
submittal.objects.order_by('pk').last().idprint("lastid",lastid)makearecordsetoftherecordjustsavedandupdat
submittal.objects.get(id = lastid)setattr(r,'table',tb.table)print('lasttable',tb.table)r.save()butdon'tdeletethe
pid).delete()"" submitsuccessrecordssubmitmsg = "ThankyouforyoueditedsubmissionoftheAlertNotice en
br > pleaseemaileowaagen@aavso.org."messages.success(request,marksafe(submitmsg))

```