

Chapter 5. 115 Publication Approval

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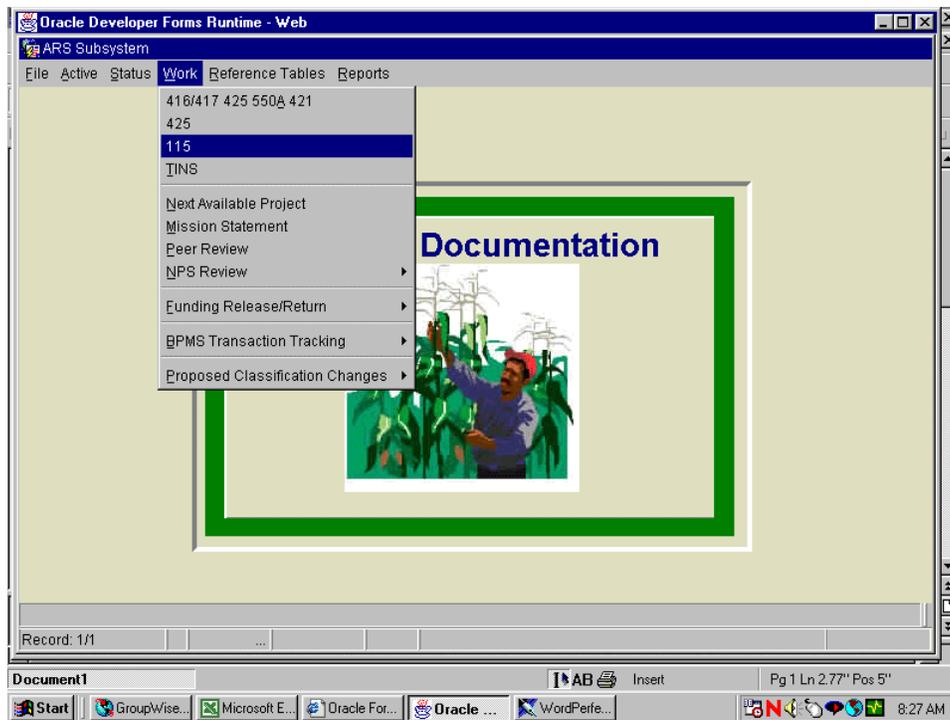
Chapter 5. 115 Publication Approval

An ARS-115 “Request to Submit Manuscript for Publication” is required whenever an ARS employee wishes to publish any kind of publication. In addition, it is also required whenever an employee is to present a paper, talk, poster, etc., at any scientific meeting, specifically in which a publication such as an abstract and/or proceedings are to be published. The ARS-115 should be submitted through ARIS prior to submitting the publication to the journal, and/or giving the presentation.

Entering a New ARS-115

In order to enter a new 115, from the ARIS Main Menu:

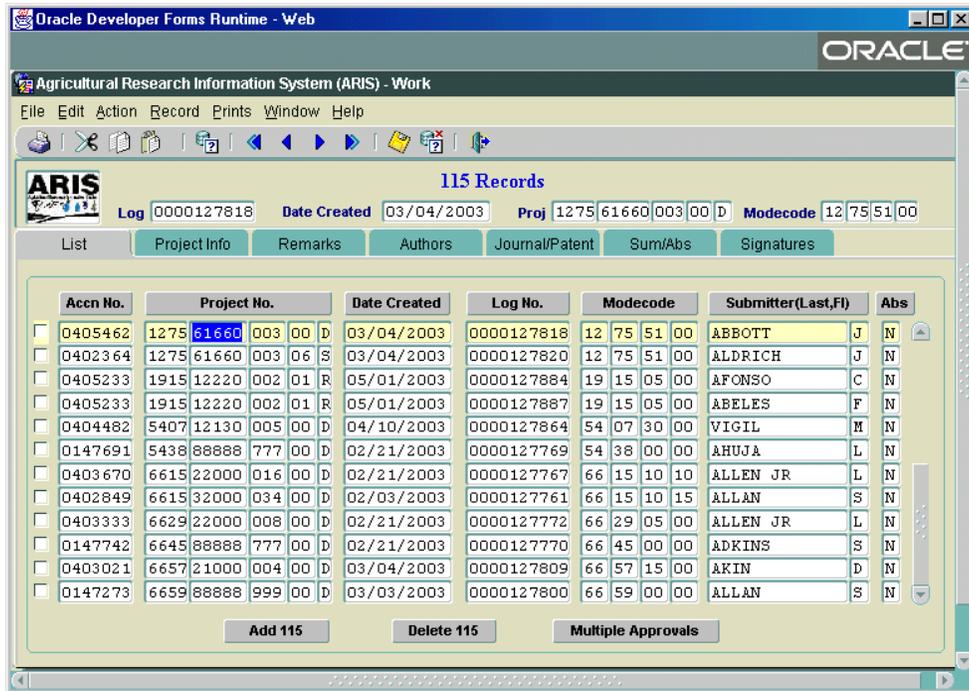
- Click on the Research Documentation icon.
- From the Research Documentation screen, click on “Work” and “115” from the toolbar (fig. 1).



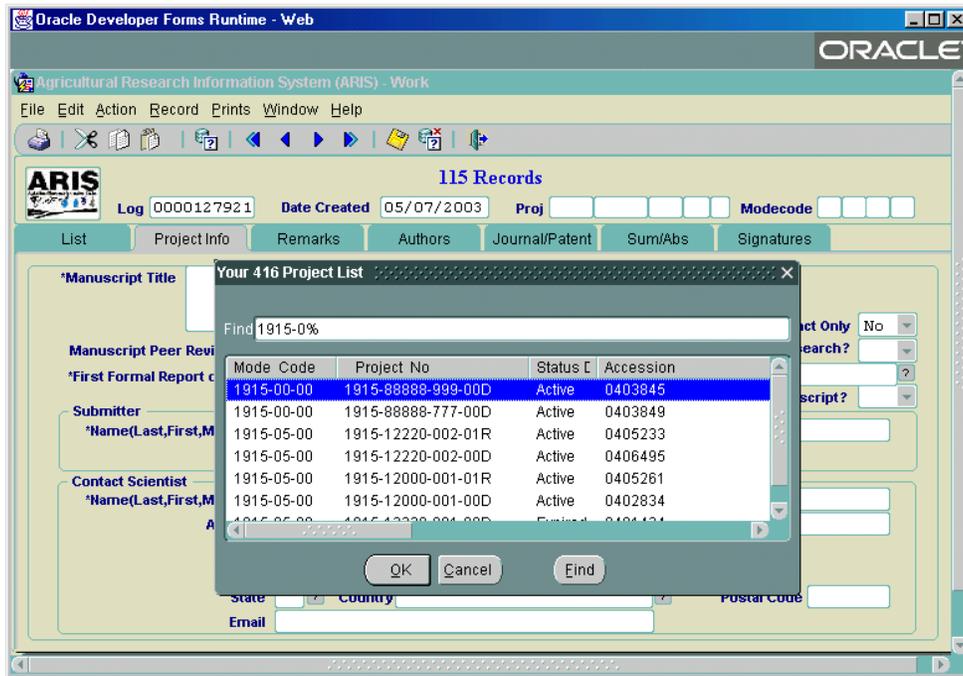
(Fig. 1)

Your Work file List screen will be displayed. If you have any records in your work file, they will be displayed here (fig. 2).

- In order to add a new 115, click on the “Add 115” button at the bottom of the screen. The Project Info screen will be displayed along with a listing of projects to link the 115 to (fig. 3).



(Fig. 2)

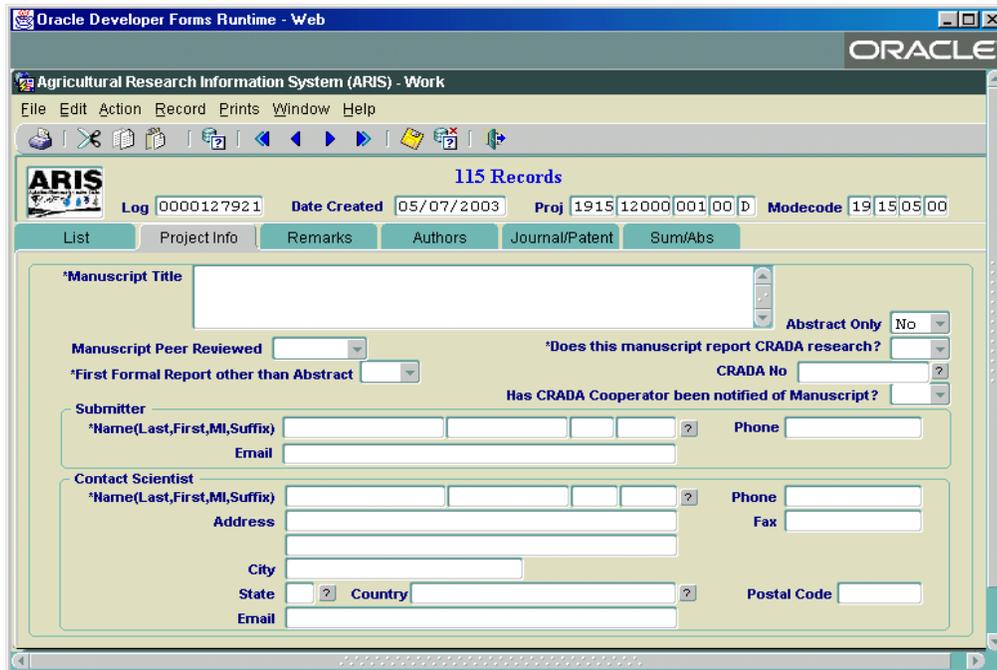


(Fig. 3)

Choose the research project that the 115 should be linked to by placing cursor on the project. You can either scroll down the listing or search for the appropriate project number (see Chapter 1 for searching techniques).

Once the project number is found, highlight it and click on “OK.” The Project number will be inserted into the 115. A log number will also be designated by the system. This log number will never change.

NOTE: Carefully choose the project number. Once the project number is chosen and the 115 is entered and saved, the project number **CANNOT** be changed. If added incorrectly, a new 115 will need to be entered to correct the error and the incorrect 115 will need to be deleted.



(Fig. 4)

Once the Project number is inserted, continue adding the information on the Project Info screen.

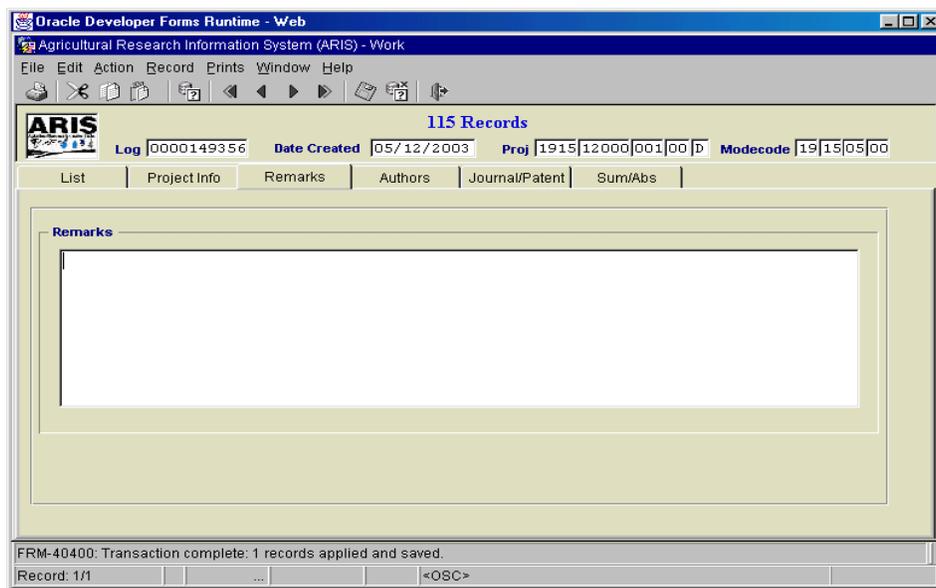
The information to be added includes:

Manuscript Title	A required field.
Manuscript Peer Reviewed	Options are: Yes, No, or Waived.
Does this manuscript report CRADA research?	Options are: Yes or No. If yes, CRADA No. is required as well as Notification field. If No, these two fields must be left blank. If the question was originally answered "Yes" at any point, and then changed to "No", the other two associated fields will then be automatically cleared out.
CRADA No.	A list of CRADA numbers will be provided. Choose the appropriate number. This number will be validated against the associated research project.
Has CRADA Cooperator been notified of manuscript?	Options are: Yes or No. To approve the 115 to the next level, the answer must be yes. (See Clearance/Sensitive Responsibility Memo, located under Help on the Toolbar).

Abstract Only	Options are: Yes or No. Is the publication only an abstract?
First Formal Report other than Abstract	Options are: Yes or No. Is this the First Formal Report for this research? If yes, an interpretive summary is required. This is a required field.
Submitter	The submitter of the manuscript should be listed here along with their email address and phone number. The submitter should be an ARS employee, Category 1, 4, or 6. This is a required field.
Contact Scientist	The person to contact if someone has a question about the manuscript should be listed here along with their phone number and email address. This is a required field.

In order to choose the Contact scientist and Submitter, click on the “?” and a listing of ARS employees will be displayed. Highlight the correct ARS Scientist to be the Submitter and/or Contact Person, and click on OK. The person will automatically be inserted in the Project Info screen. Add their email address and phone number.

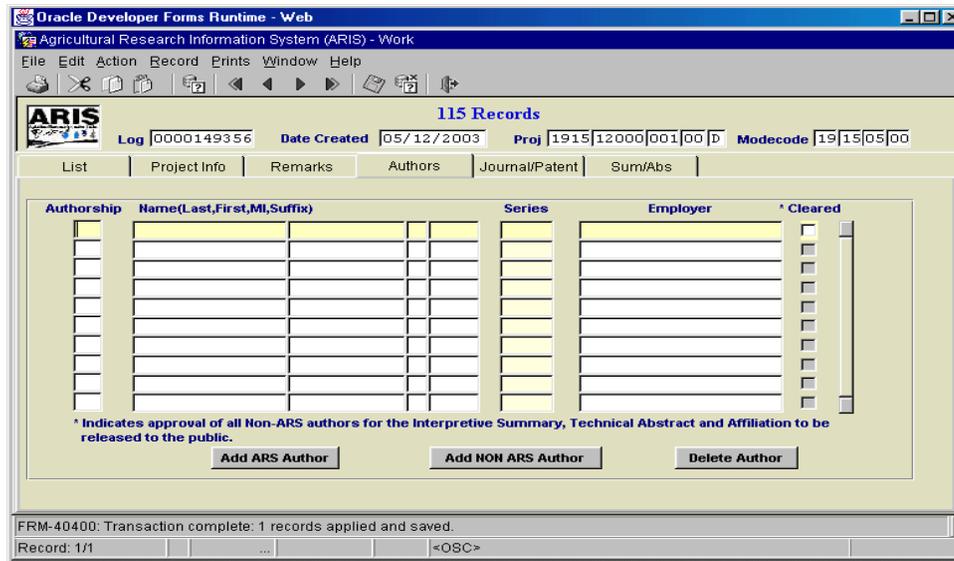
Once all the information is entered on the Project Info screen, click on the Remarks tab and the Remarks screen will be displayed (fig. 5).



(Fig. 5)

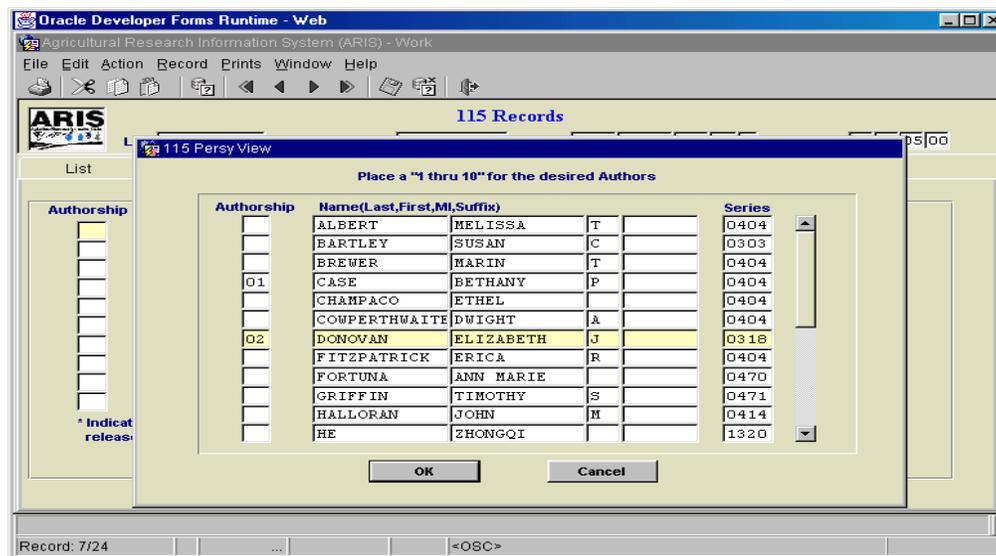
Enter any remarks that are pertinent to the 115. This is not a required field.

Once data entry is complete, click on the Authors tab to move to the Authors screen.



(Fig. 6)

In order to add the authors, click on the “Add ARS Author” button at the bottom of the screen and a listing of ARS employees *within your mode code* will be displayed (fig. 7). **NOTE:** Once you move to another screen and then go back to the Authors screen, the system will then give you a listing of all ARS employees. This will allow you to add ARS Authors from outside your Modecode if cooperative projects and publications have taken place. *Note: There is no limit for the number of authors for each 115. However, each 115 is required to have at least one author.*

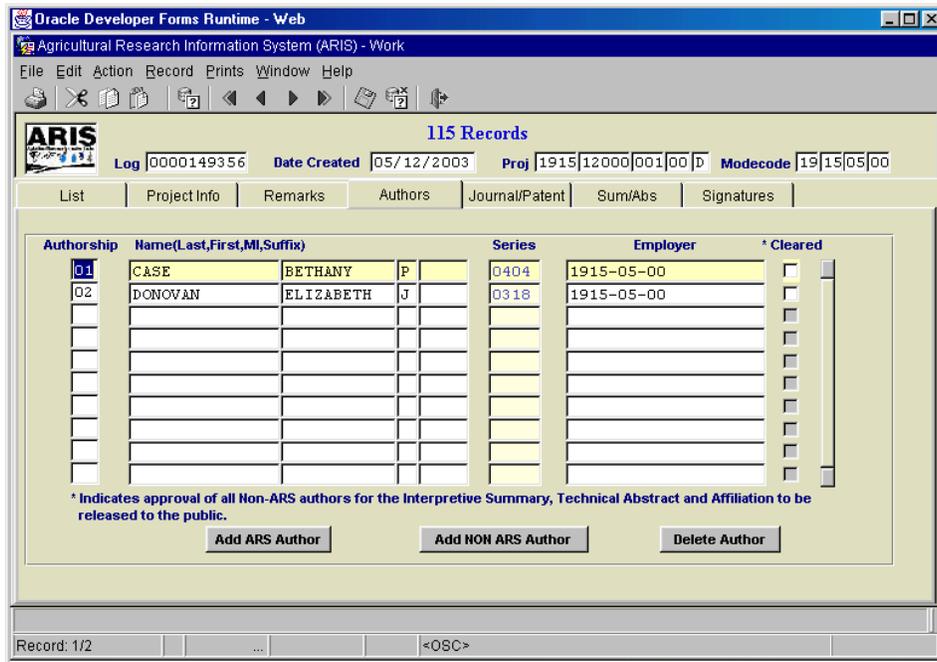


(Fig. 7)

Choose the ARS authors by entering the number of authorship (ex. 01, 02, 03..) next to the names of the authors on the list, then click on “OK” (fig. 7). The names and authorship will be inserted on the Authors screen (fig. 8). If there are any Non-ARS authors, click on the “Add Non ARS Author” button and the next line on the Authors screen will be highlighted to add the author as well as their employer. No Series is required for non-ARS authors.

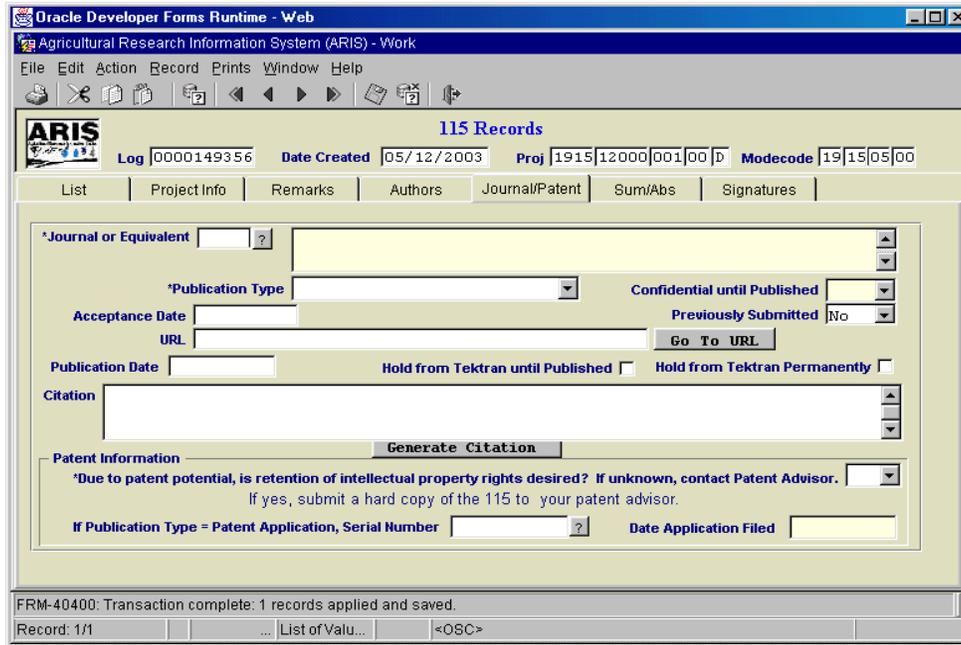
For all non-ARS authors, the “Cleared” box to the right of their name must be checked. This indicates the author’s approval of the Interpretive Summary, Technical Abstract and Affiliation to be released to the public. This box must be checked for all non-ARS authors before the 115 can be approved. (See Clearance/Sensitive Responsibility Memo).

NOTE: You can enter all the ARS authors first, even if they are not in authorship order, and then add all non-ARS authors. The system will automatically put them in authorship order.



(Fig. 8)

Once all authors have been entered, click on the Journal/Patent tab, to move to the Journal/Patent screen (fig. 9).



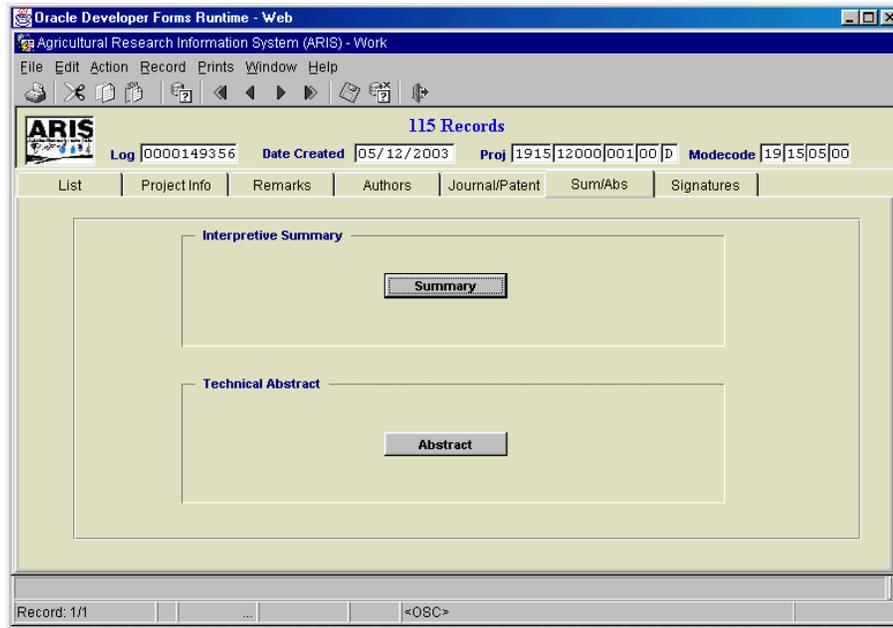
(Fig. 9)

Enter the following information:

Journal or Equivalent*	This is a required field. Enter the Journal or Equivalent by clicking on the “?” to choose the appropriate journal. Once the code is chosen, the name of the journal will also propagate in. (Follow instructions in Chapter 1 of the manual for searching techniques). If the needed code is not in the system, contact your Area 115 contact.
Publication Type	Enter the publication type by choosing from the LOV. Choices include: Peer reviewed journal, Proceedings/Symposium, Book Chapter, Abstract, Popular publication, Research Notes, Review article, Trade journal, Experiment Station, Germplasm Release, Government Publication, Monograph, Literature Review, Patent Application, or Other.
Confidential until Published	This field will propagate in automatically based on the Journal code selected and is not modifiable. This is a requirement of the journal. If the journal or equivalent has a confidential “Yes” then the 115 will not be sent to TEKTRAN until the publication date has been entered or publication date exceeds the current date.
Previously submitted	Options include: Yes or No. The default is No. Has the manuscript been previously submitted for approval?
URL and Go to URL Button	The URL of the Journal can be entered here. If a URL is entered, you can click on the “Go to URL” button and it will take you directly to that site.

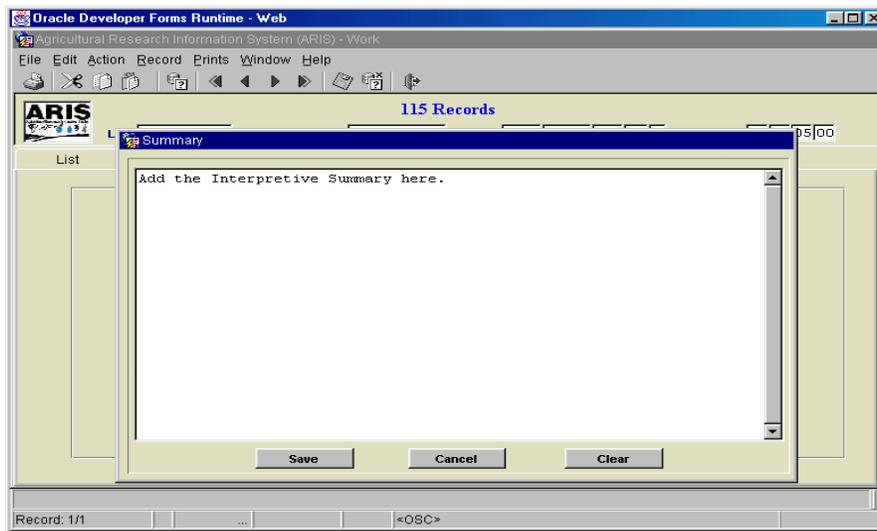
Hold from Tektran until Published	Check (✓) this box if the 115 should be held until after the manuscript is published. The 115 will not go to TEKTRAN until the publication date has been entered or publication date exceeds the current date. This field is modifiable at all levels.
Hold from Tektran Permanently	Check (✓) this box if the 115 should never go to TEKTRAN. If checked, the 115 will never go to TEKTRAN. This field is modifiable at all levels.
Acceptance Date	The Acceptance date by the journal should be entered here. This field will be left blank until accepted by the journal. Once accepted, the date can then be added (See Modify an Active 115 section of this manual.)
Publication Date	This field will be left blank until publication date is known. Once known, the date can be entered (See Modify an Active 115 section of this manual).
Citation	In order to generate a citation, the Acceptance Date and Publication Date must be entered. Once dates are entered, the generate citation button will be used. (See Modify An Active 115 section for details)
Retention of Intellectual Property Rights?	Options include: Yes or No. If retention of intellectual property rights is required, choose Yes. If Yes, submit a hard copy of the 115 to the Patent Advisor, if unsure, contact your Patent Advisor. This is a required field.
Patent Application Serial Number	If "Patent" is chosen as the Publication Type, the Serial Number and Date Filed must be entered by choosing from the LOV. You can scroll down the listing, or search for the specific serial number. Once chosen, the number and date will propagate into the patent screen.

Once all data is entered, click on the Sum/Abs screen. The Interpretive Summary/Technical Abstract screen will be displayed (fig. 10).



(Fig. 10)

To add the Interpretive Summary, click on the “Summary” button in the middle of the screen and a blank Summary page will be displayed (fig. 11).



(Fig. 11)

Add the Interpretive summary by either directly typing in the space provided or copy and paste from another source such as Microsoft Word. **Note:** When entering the interpretive summary and abstract on the ARS-115 a separate window opens to add or modify, therefore, the user must use **Ctrl C/V** (copy/paste). The Abstract and Interpretive Summary are no longer limited to 25 lines each. **Note:** Scientific notation cannot be used at this time and there is currently no Spellcheck capability. Once all data entry is complete, click on the “Save” button at the bottom of the screen, and you will be brought back to the Summary/Abstract screen.

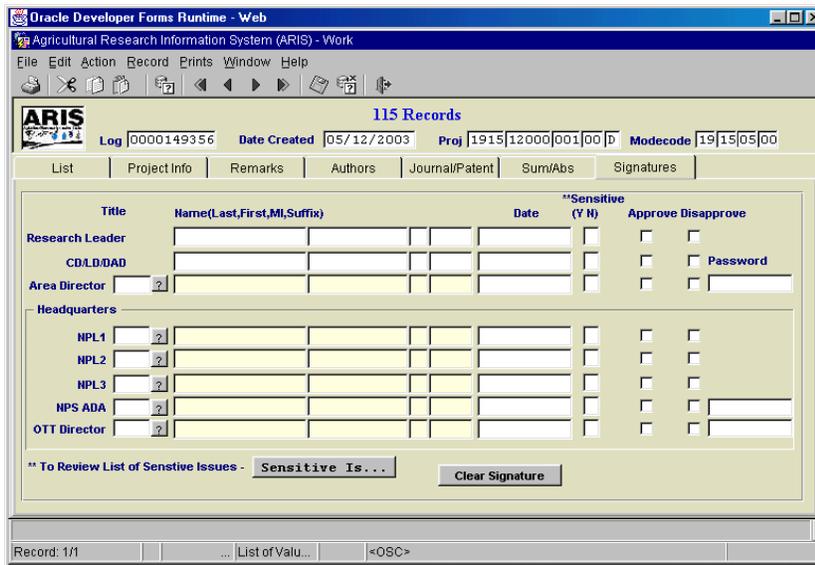
Add the Technical Abstract in the same manner as the Interpretive Summary. Once complete, click on the List tab, and you will be taken back to the List screen for your Work file. The 115 entry is now complete and will now be displayed on your List screen.

Print 115

Print out the completed 115 for review and approval. To print the 115, mark the 115 you wish to print from your List screen, then click on “Prints” and “115” from the toolbar. The system will launch Adobe Acrobat and display the 115 print file. To print, click on the Printer icon.

Approval of 115

Once approved through your Area’s approval process, from your Work file List screen, click on the Signatures tab and the Signature screen will be displayed (fig. 12).



(Fig. 12)

Add the appropriate signature, date of approval, sensitivity, and approve/disapprove. Then click on the List tab. The system will prompt you “Do you want to save these changes?” If correct, click on save and you will be brought back to your List screen. The 115 will no longer be in your work file and will be moving to the next level for approval. You can check in Work Status to see what level it has moved to.

NOTE: To review a List of High Profile Topics prior to approval, click on the Sensitive Issues button at the bottom of the Signatures screen. A current list will be displayed. These should be reviewed by the Approving Official prior to signing the 115 and marking the sensitivity box.

NOTE: If a 115 is marked sensitive, it will go to NPS for approval. All other 115s bypass NPS and go directly to OTT.

Work Status

In order to see where a 115 is in the approval process, you can look in Work Status.

From the Research Documentation screen, click on “Status” and “115” (fig. 1) A listing of all your 115s currently at any level in the work process will be displayed (fig. 2).



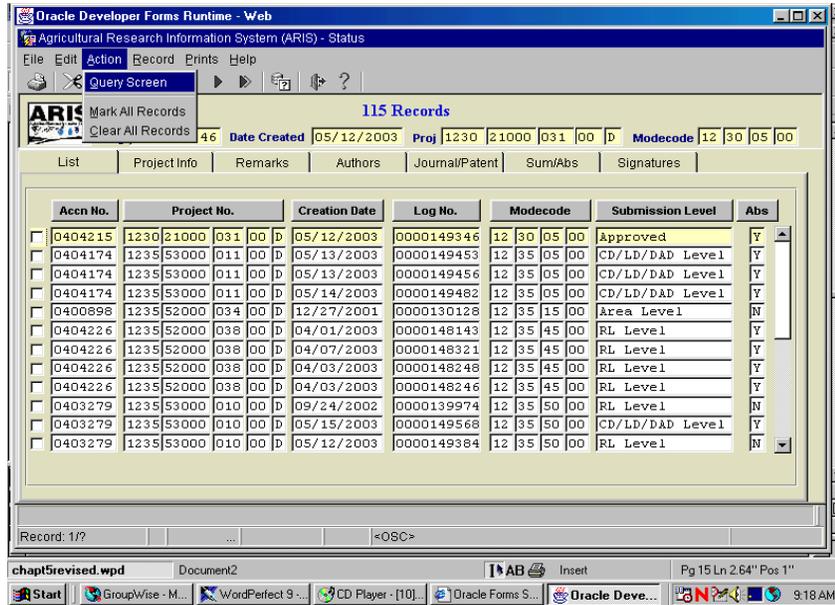
(Fig. 1)

The screenshot shows the '115 Records' screen in the Oracle Developer Forms Runtime - Web application. The title bar reads 'Agricultural Research Information System (ARIS) - Status'. The main content area displays a table with the following columns: Accn No., Project No., Creation Date, Log No., Modecode, Submission Level, and Abs. The table contains 14 rows of data.

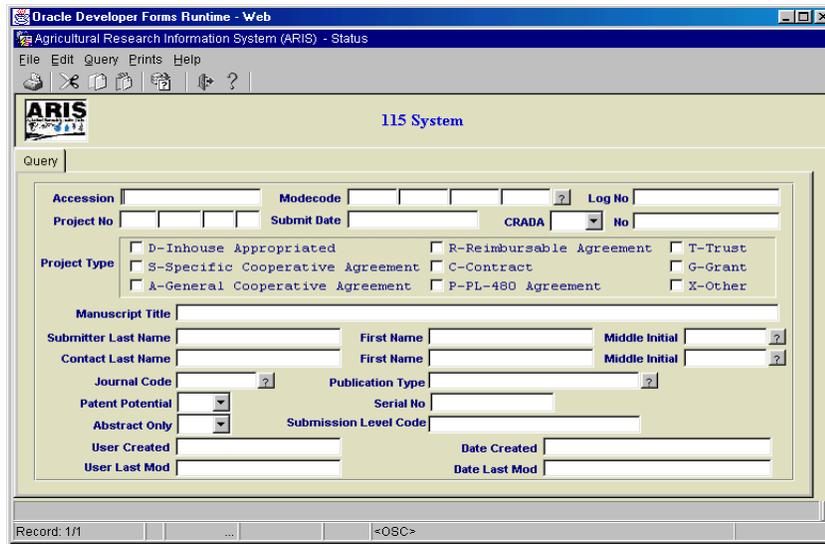
Accn No.	Project No.	Creation Date	Log No.	Modecode	Submission Level	Abs
<input type="checkbox"/> 0404215	1230 21000 031 00 D	05/12/2003	0000149346	12 30 05 00	Approved	Y
<input type="checkbox"/> 0404174	1235 53000 011 00 D	05/13/2003	0000149453	12 35 05 00	CD/LD/D&D Level	Y
<input type="checkbox"/> 0404174	1235 53000 011 00 D	05/13/2003	0000149456	12 35 05 00	CD/LD/D&D Level	Y
<input type="checkbox"/> 0404174	1235 53000 011 00 D	05/14/2003	0000149482	12 35 05 00	CD/LD/D&D Level	Y
<input type="checkbox"/> 0400898	1235 52000 034 00 D	12/27/2001	0000130128	12 35 15 00	Area Level	N
<input type="checkbox"/> 0404226	1235 52000 038 00 D	04/01/2003	0000148143	12 35 45 00	RL Level	Y
<input type="checkbox"/> 0404226	1235 52000 038 00 D	04/07/2003	0000148321	12 35 45 00	RL Level	Y
<input type="checkbox"/> 0404226	1235 52000 038 00 D	04/03/2003	0000148248	12 35 45 00	RL Level	Y
<input type="checkbox"/> 0404226	1235 52000 038 00 D	04/03/2003	0000148246	12 35 45 00	RL Level	Y
<input type="checkbox"/> 0403279	1235 53000 010 00 D	09/24/2002	0000139974	12 35 50 00	RL Level	N
<input type="checkbox"/> 0403279	1235 53000 010 00 D	05/15/2003	0000148568	12 35 50 00	CD/LD/D&D Level	Y
<input type="checkbox"/> 0403279	1235 53000 010 00 D	05/12/2003	0000149384	12 35 50 00	RL Level	N

(Fig. 2)

Scroll down to find the appropriate Log Number or you can do a Query by going to “Action” and then “Query Screen” (fig. 3). A query screen will be displayed (fig. 4).



(Fig. 3)



(Fig. 4)

Enter the information you wish to query by (log number, mode code, project number, etc.) and execute the query. It is best to search by Log Number, if known. If not known, enter as much information in the query screen as possible to narrow the search down. The query will display all the 115s that meet the criteria entered. Once the appropriate 115 is displayed, on the right side of the screen you will see Submission Level.

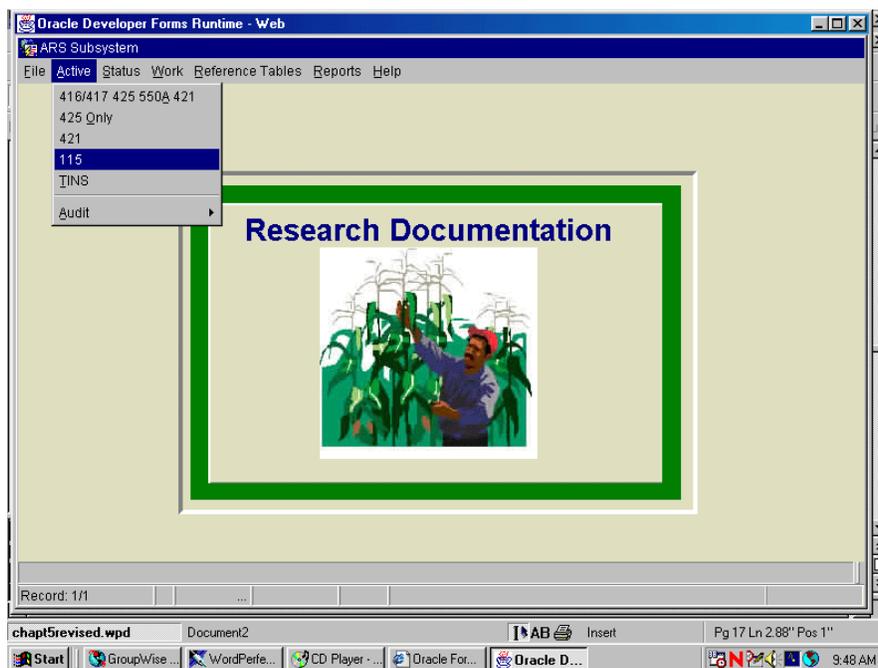
Submission Levels:

<i>RL Level</i>	Research Leader work file
<i>CD/LD/DAD Level</i>	Center or Location work file
<i>Area Level</i>	Area Office work file
<i>NPS Level</i>	National Program Staff work file
<i>OTT Level</i>	Office of Technology Transfer work file
<i>Approved</i>	Approved (will be moved to Active through an overnite process)

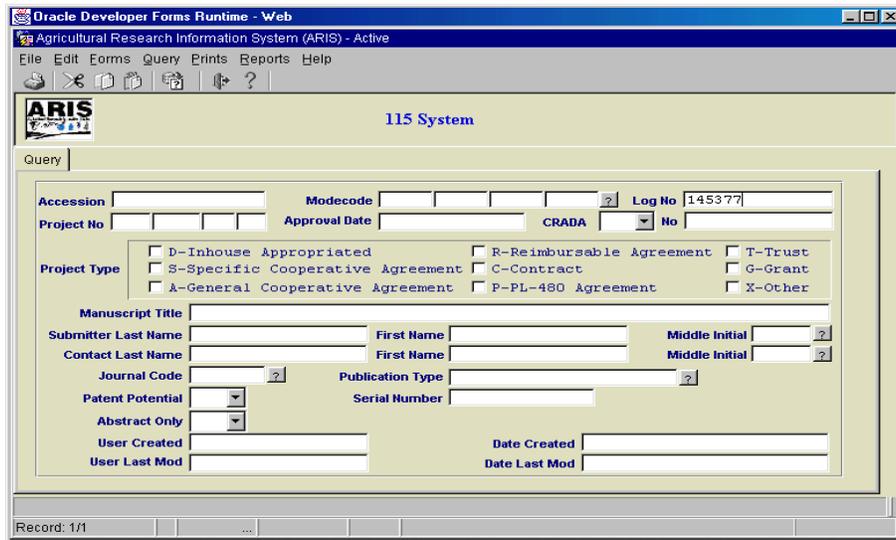
NOTE: You can only view and/or print from the Work Status. You cannot modify anything in Work Status once you have approved the 115 and it has moved from your level to the next approval level.

Modifying an Active ARS-115

In order to modify anything on an active (previously approved) ARS-115, a work record must be created of the 115 to be modified. From the Research Documentation screen, click on “Active” and “115” (fig. 1). A Query screen will be displayed. Query the system for the specific 115 which needs to be modified, by entering the Log number (fig. 2). If the Log number is unknown, enter other information to obtain the correct 115.

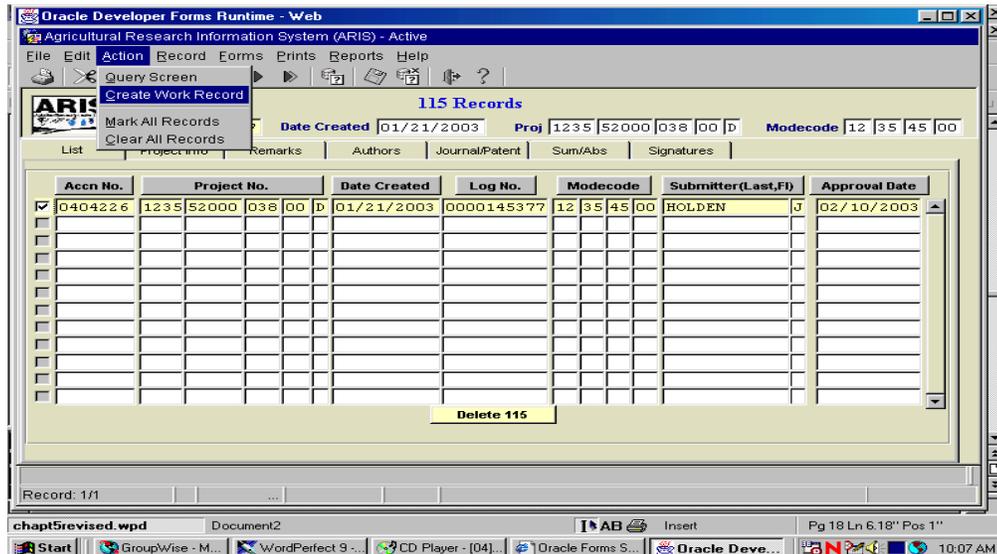


(Fig. 1)



(Fig. 2)

Once the data is entered on the query screen, execute the query by clicking on the execute query button or by pressing Return. The 115(s) will be displayed on the List screen. Mark the 115 to be modified by placing a check in the box to the left of the project number, then click on “Action” and “Create Work Record” from the toolbar (fig. 3). A prompt will be displayed “Do you want to continue creating work records?” Click on “Yes” and the message “Marked Record Processing” will be displayed.



(Fig. 3)

You then exit out of your Active file and go to your 115 Work file.

Locate the work record you created and modify as necessary. Once all modifications have been made, the 115 should be printed and should be approved through your Area approval process. (Follow instructions in the "Entering a New 115" section of the chapter.)

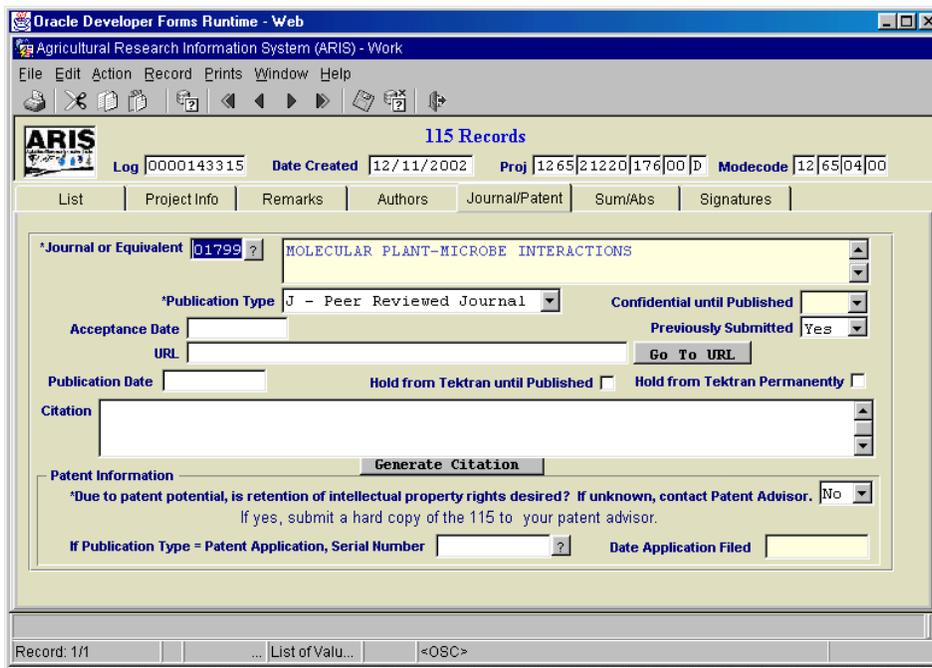
Adding Journal Acceptance Date, Publication Date and Citation Information

Once a publication has been accepted by the journal and the scientist has received notification, the Journal Acceptance Date must be entered in ARIS. Once the publication date is known, this must also be entered on the 115. In addition, the citation information should be entered.

The information in the citation field, will propagate to the Annual Reports (during Annual Report data entry), if the 115 is chosen to be referenced on an Annual Report. Therefore, it is very important to add this information in a timely manner.

In addition, the publication will not go to Tektran, until a Journal Acceptance Date is entered ***and*** if no other holding conditions are designated (other circumstances explained in "Adding a New 115" may hold the manuscript from Tektran temporarily or permanently).

In order to add a Journal Acceptance Date and/or Publication Date, and citation information, create a work record as explained above for the appropriate 115. Once the work record is created, go to your Work file list screen and find the work record for the 115 that needs modification. Then, click on the Journal/Patent tab (fig. 4).



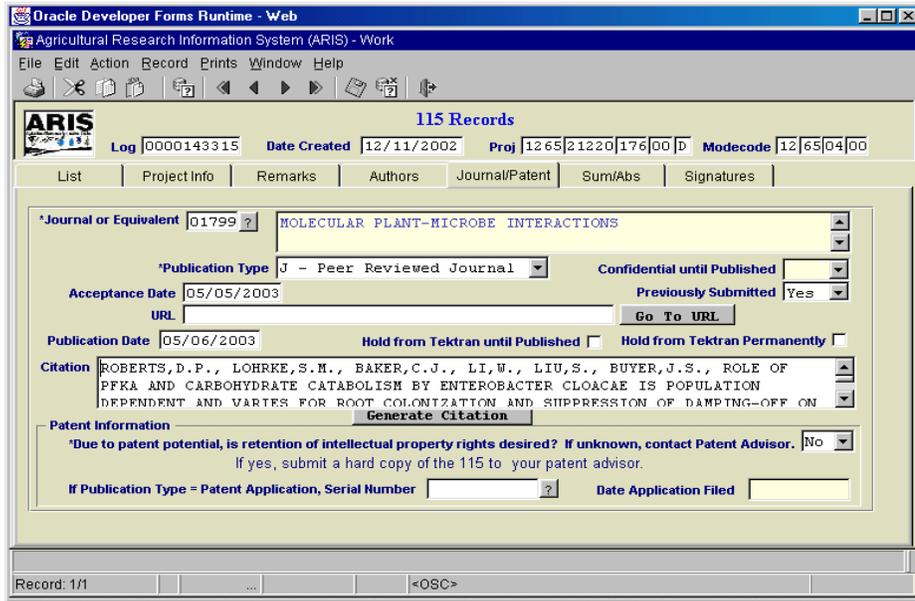
(Fig. 4)

Add the Acceptance date and/or Publication date.

Note: The Acceptance Date should be entered as soon as it is known. When the Publication Date is known, the same process will be followed to add that date.

In order to create the citation information, an Acceptance Date **AND** Publication Date must be entered. Once these dates are entered, click on the Generate Citation button. The citation shell will be generated which includes: authors, title of publication, title of journal, and publication year, based on the publication date entered (fig. 5). Enter the volume, page number(s), edition information, etc., to complete the citation. You can also modify the information that propagates into the citation field. By double clicking in the citation field, the editor box will be displayed. This will enable you to see the whole citation and modify as necessary.

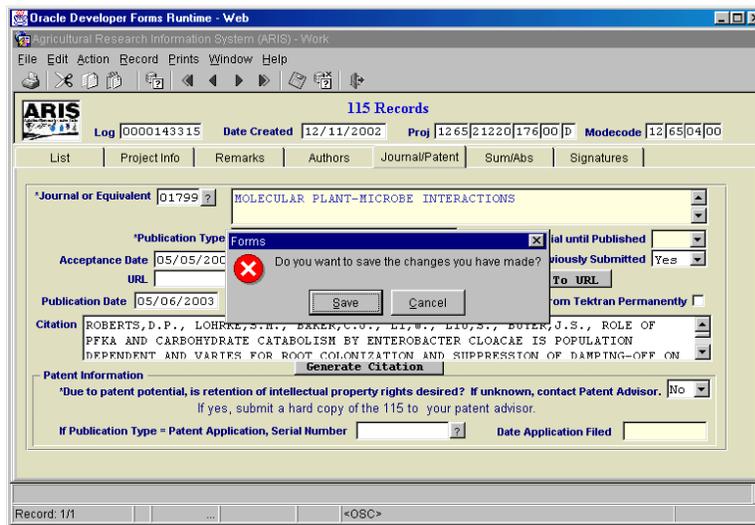
Note: If the citation field contains information and the generate citation button is pressed, it will not overwrite the existing citation. You must clear out the citation to regenerate a new shell citation.



(Fig. 5)

After all the information is entered, click on the List tab, and the system will prompt you “Do you want to save these changes?” (fig. 6) Click on Save and you will be returned to the List screen.

Entry of the Acceptance Date, Publication Date, URL information, and Citation information are not required to go through the approval chain. Once entry is complete, add the approving officials name and date of approval. The record will go to active through an overnite process. However, if any other fields are touched and/or modified, the record will have to go through approval again.

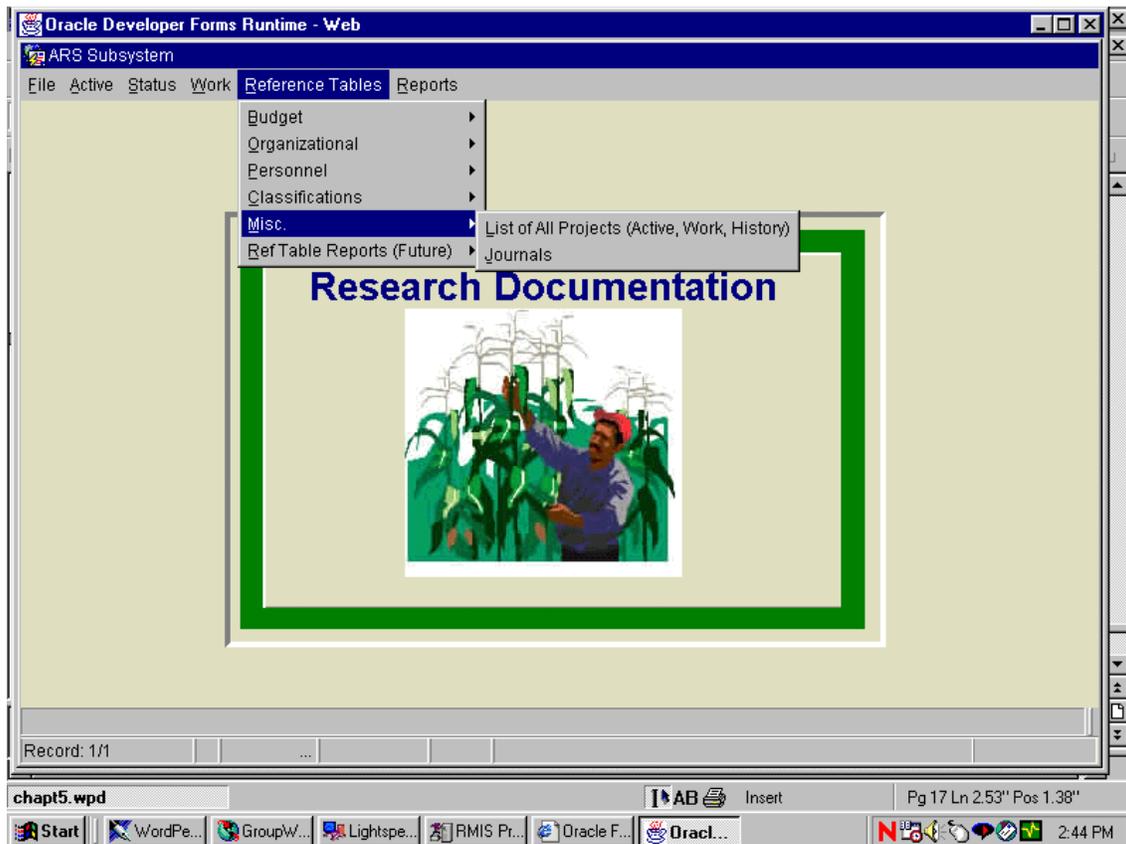


(Fig. 6)

Obtaining a New Journal Code

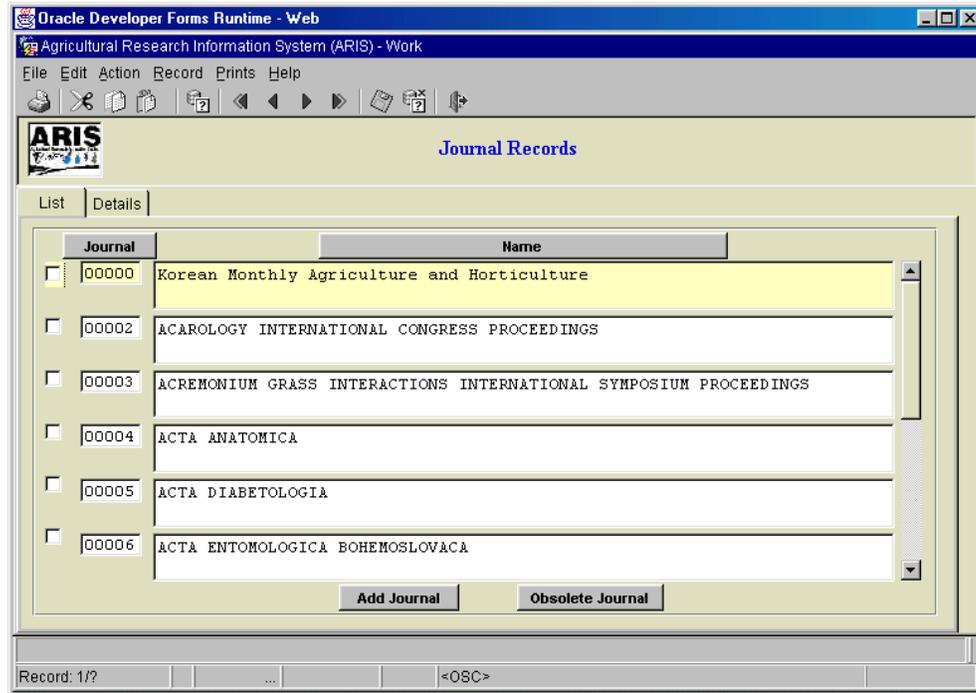
Before beginning the entry of a new ARS-115, you should verify that a Journal Code is established for the specific journal or publication that the manuscript will be submitted to.

In order to determine if a Journal code is established, from the Research Documentation screen, click on “Reference Tables,” “Misc.,” and “Journals” (fig. 1). A Reference Table with all the Journal Codes will be displayed (fig. 2).

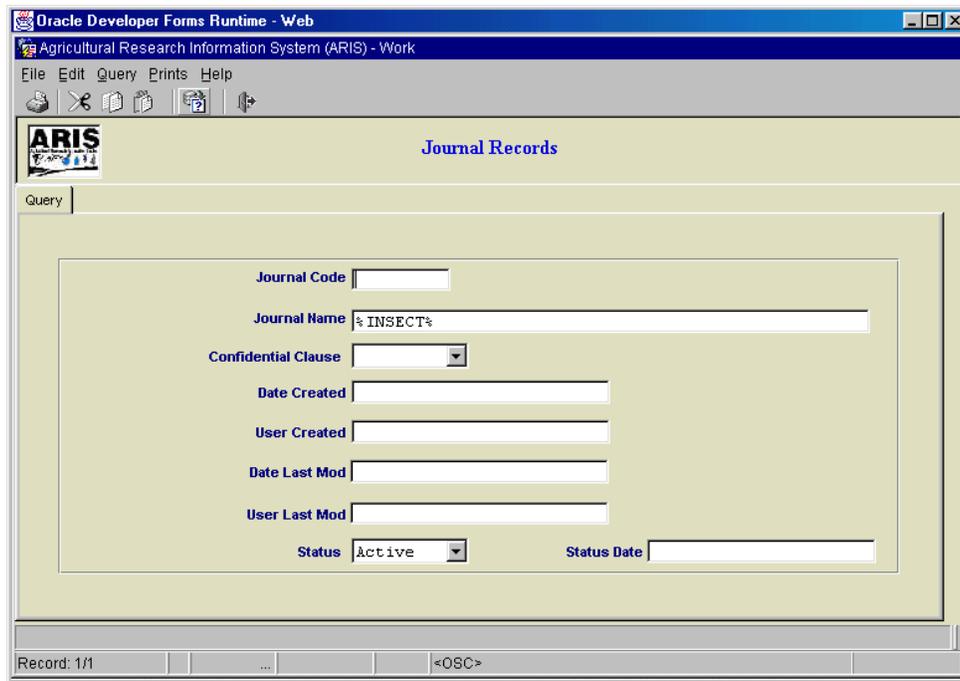


(Fig. 1)

In order to search for a specific journal, click on “Action” and “Query Screen” from the toolbar, and a Query screen will be displayed (fig. 3).



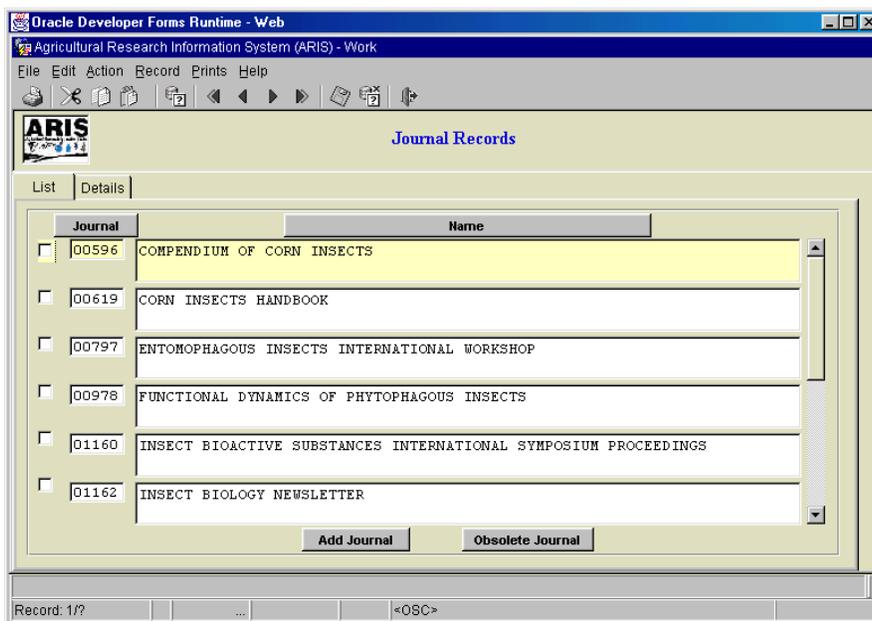
(Fig. 2)



(Fig. 3)

In order to search for a specific journal, enter the name of the journal under “Journal Name” on the query screen and then click on the Execute icon. Sometimes it is better to enter part of the title of the journal if you are unsure of the exact name and then put a “%” at the beginning and end of the word.

For example, if you want to find all the journals with the word “Insect” in the title, type in %insect% in the Journal Name section of the query screen (fig. 3). This will give you a listing of all the journals with the word “insect” somewhere in the title (fig. 4).



(Fig. 4)

If you would like to see the listing in numerical order, click on the “Journal” header and the system will automatically put the listing in ascending order. If you click on the “Journal” header again, the listing will be put in descending order.

If you are unable to find the specific journal that you need, contact your Area 115 contact. They will verify that there is not a code currently in the system. If there is no code for the specific journal, they will establish a new code in the Journal Reference table.

Entering a New Journal Code

Before entering a new journal name and code in the Journal Reference Table, search the system thoroughly to be sure the journal is not already in there. If it is determined that the journal is not present, a new code can then be entered.

In order to enter the new code an additional piece of information is required, the Confidentiality Clause. This clause is specific to each journal. If the journal has this clause, it states that the publication must be kept confidential until the journal has actually published it. This information must be known before entering the new code. To acquire this information, you may call the journal directly, search their website, and/or ask the scientist to obtain the information. If they require confidentiality, enter “Yes” in the Confidentiality Clause field in the reference table. If not, enter “No.”

Blank ARS-115 Form

When entering the ARS-115 it is always beneficial to have all the information at your fingertips before beginning the data entry process. To help ensure you have all the information, the option is available to print out a Blank ARS-115 form. You can give this form to the scientist and request that they give you all the information, or you can just use it as a reference for your own use and ease of data entry.

To obtain the blank form, from the Research Documentation screen, click on “Reports,” “Blank Forms,” and then “115.” Adobe Acrobat will be automatically launched and the Blank 115 will be displayed. To print the form, click on the printer icon.

General Information

Acronyms & Definitions:

Abstract	Brief technical description of an oral or poster presentation printed in a meeting announcement, proceedings, or program and not accompanied by full-length manuscript.
AD-421	Annual Report
ARS-115	Request to Submit Manuscript for Publication (in ARIS).
Interpretive Summary	Brief explanation of the reason for, accomplishment of, and significance of the research in language intelligible to the general public.
Manuscript	A scientific paper authored or coauthored by ARS scientific personnel that describes or reviews scientific research and is intended for publication: in a scientific journal; in a semitechnical or trade journal; as a scientific literature review or book chapter; as a popular article; in a meeting or symposium proceeds or workshop report.
Monograph	A scholarly book on a single, usually limited subject.
Original Scientific Paper	A manuscript, other than an abstract, that is the first formal report of research results.
Technical Abstract	Brief technical description that accompanies a full length manuscript.
TEKTRAN	Technology Transfer Automated Retrieval System

Timely Submission of ARS-115s

The submission of the ARS-115 **MUST** be processed and fully approved before any manuscript is submitted to a journal and/or published. In addition, scientists giving any presentations that will have some type of written publication associated with it must receive ARS approval through the ARS-115 process before giving their presentation (e.g., an abstract, proceeding, etc., for the meeting will be published).

Link to AD-421 Annual Reports

It is required for each publication designated on an AD-421 (Annual Report) to have an approved ARS-115 in ARIS. Therefore, it is important to enter the information in ARIS in a timely manner. In addition, the citation information will propagate from the 115 to the AD-421 when the Log number is chosen for the individual Annual Report. This will lessen the data entry burden at Annual Report time.

Sensitive Designation

The List of High Profile Topics applies to all types of publications. The Research Leader must note, with the approval signature whether the ARS-115 should be considered sensitive in subject matter based on this listing. Each approval level must also note, with the approval signature, a determination of sensitive material. Each level has the individual option of determination and may or may not agree with the preceding decision. ARS-115s marked “Yes” for sensitivity, move to NPS for final approval. (See Clearance/Sensitivity Responsibility under “Help” in 115 Work File in ARIS)

Patentable Information

If information is being published or presented that has patentable information, the ARS-115 block “Due to patent potential, is retention of intellectual property rights desired?” is to be marked “Yes.” If marked “Yes,” upon completion of the approval process, the ARS-115 will move to the “Active” status in ARIS. The ARS-115 will be held in the Active database during the review process by the Patent Advisor. While in the database, the publication may be viewed by anyone in ARS. The publication will be moved to TEKTRAN either after a patent has been filed or a determination is made that no patent will be filed and at that time may be viewed by anyone who has access to TEKTRAN.

Criteria for Moving 115s to TEKTRAN:

The 115/TEKTRAN system records will be removed when the approval date exceeds 5 years.

The Publication will NEVER Go to TEKTRAN when:

1. The “Hold from TEKTRAN Permanently” box is checked.

The Publication will go to TEKTRAN after the following conditions are met:

1. When the Publication type is a Patent and application date + 18 months is less than the current date.
2. When the “Hold from TEKTRAN Until Published” box is checked and publication type is not a Patent, and the publication date is less than current date.
3. When the Conditional Clause on the chosen Journal Code is marked “Yes,” and the publication type is not a Patent, and the publication date is less than the current date.
4. If the publication type is not a Patent, and the conditions in No. 2 and No. 3 are met if applicable, and Journal Acceptance Date is less than the current date.

Authorship Involving Other Areas or Research Units

If a publication has multiple ARS authors in more than one Research Unit and/or Areas, the ARS-115 should be entered into ARIS by the first ARS author listed. Each ARS author SHOULD NOT enter separate 115s.

Matrix for Data Entry Determinations:

Use the Matrix below to determine how to answer questions on the ARS-115 and if an interpretive summary is required for the specific publication type.

Manuscripts that are the “first formal report” of original scientific research require an interpretive summary for inclusion in the ARS-115 (See P&P 152.1). An interpretive summary is not required for literature reviews, book chapters (unless reporting original research), or book reviews.

An ARS-115 is NOT required for oral or poster presentations in which no publication (such as an abstract in a meeting proceedings) will be published.

Publication Type	Abstract Only*	First Formal Report**	Interpretive Summary	Technical Abstract
Peer Reviewed Journal	No	Yes	Yes	Yes
Abstract	Yes	No	No	Yes
Proceedings/Symposium	Yes	No**	No	Yes
Review Article	Yes	No	No	Yes
Other	Yes	No**	No	Yes
Research Notes	Yes	No	No	Yes
Trade Journal	Yes	No	No	Yes
Germplasm Release	No	Yes	No***	Yes
Book/Book Chapter	Yes	No**	No	Yes
Literature Review	Yes	No	No	Yes
Government Publication	Yes	No**	No	Yes
Monograph	Yes	No**	No	Yes
Experiment Station	Yes	No**	No	Yes
Popular Publication	Yes	No	No	Yes
Patent Application	Yes	No	No	Yes

*If the publication is an “Abstract Only,” mark that block on the ARS-115 “Yes” and the “First Formal Report other than Abstract,” “No.”

**If the publication is a “First Formal Report Other than Abstract,” mark that block on the ARS-115 “Yes” and the Abstract Only,” “No” and an Interpretive Summary is required.

The ARS-115 “Abstract Only” and “First Formal Report Other than Abstract” blocks cannot both be marked “Yes” or both “No.”

*** Germplasm Releases are considered “First Formal Report,” however, an Interpretive Summary is not required.

Scientific Notation

Currently, scientific notation does not properly translate in ARIS. Therefore, scientific notation should not be used

Spell Check

Spell Check capability is currently not available in ARIS. However the Technical Abstract and Interpretive Summary can be pasted in from other software that does have the spell check capability.

References

P&P 152.1-ARS (March 10, 1998): Procedures for Publishing Manuscripts and Abstracts with Non-USDA Publishers (Outside Publishing)

P&P 152.2-ARS (May 12, 1997): Authorship of Research and Technical Reports and Publication

List of High Profile Topics* **July 2003 (Revised)**

** Manuscripts and abstracts dealing with these topics will be forwarded to the Area Office and then to the National Program Staff through ARIS to keep management aware of new research results*

1. Creation of transgenic agricultural organisms by genetic engineering.
2. Biotechnology risk assessment research (gene flow, unintended ecological effects) that is likely to affect policy and/or regulatory actions.
3. Cloning of animals by somatic cell nuclear transfer.
4. Somatic cell fusion to recombine DNA in ways that cannot be achieved through sexual crossing.
5. Dioxin research.
6. Intellectual property rights and patent policy of agricultural organisms.
7. Agricultural (crop and animal) practices that may increase emissions of greenhouse gases (i.e., carbon dioxide, methane, nitrous oxide); impacts of global change on human health.
8. Agricultural (crop and animal) practices that threatens human health and the environment through introduction of hazardous materials, including excess nutrients, pesticides, salts, trace elements, pathogens, and pharmaceutically active compounds into soils and water.
9. Agricultural (crop and animal) practices that threatens human health and the environment through introduction of particulates, ammonia, hydrogen sulfide, volatile organic compounds, methane, nitrous oxides and pathogens into air.
10. Boll weevil eradication program.
11. Policies related to international plant, animal, and microbial genetic resources.
12. Research findings and recommendations that are contrary to current dietary guidelines or may be used in food labeling.
13. Megadoses of nutrients that may be beneficial to human health/nutrition.
14. Radiolytic products in food.

15. Harmful microorganisms and their products (e.g., aflatoxin, mycotoxin, fumonisin, Salmonella, E. Coli) in agricultural commodities.
16. Pesticides or animal drugs in foods above approved tolerance levels.
17. All transmissible encephalopathy (TSE) research including BSE research.
18. Development of herbicide-resistant plants.
19. Animal well-being/animal use.
20. Biological items that may affect trade and export negotiations, e.g., fire blight in apples, TCK smut, karnal bunt, insect infestations in export products, etc.
21. Narcotic plant control.
22. Methyl bromide topics that relate to policy and/or regulatory actions.
23. Medfly/Malathion replacements.
24. Research studying antibiotic/antimicrobial resistance.
25. Bioterrorism/attacks on agriculture.
26. Glassy-winged sharpshooter/Pierce's disease.
27. Sudden Oak Death.
28. Asian Citrus Canker.
29. Anthrax.
30. Emerging diseases or pest research that may impact policy and/or regulatory actions.
31. Ralstonia bacterial brown rot.
32. Soybean rust.
33. West Nile Virus.