

**Info on IYA2009/Rwanda:** <http://www.rwanda.iya2009.googlepages.com/> Address:  
Contact: email: [nkundapheneas@yahoo.fr](mailto:nkundapheneas@yahoo.fr) Cell: +27 83 43 60 578

## 2<sup>nd</sup> Report on the Progress of the Project sponsored by DAG:

*Starting Astronomy in Rwanda with IYA 2009*

Submitted by : Mr Pheneas Nkundabakura  
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Date: 18 October 2009.

### 1. INTRODUCTION

This report gives in brief the progress underscored during the period August-September in the Project "Starting Astronomy in Rwanda with IYA2009" which received a sponsorship of the DAG (cornerstone project of the IYA2009).

General details on the activities of the IYA in Rwanda are posted on the web page : <http://rwanda.iya2009.googlepages.com/>

### 2. GRANT SCHEDULE

Name of Grant-holder	<b>Mr Pheneas Nkundabakura SPoC/ Rwanda</b>
Title of Grant	<b>Starting Astronomy in Rwanda with IYA 2009</b>
Grant Amount Offered	<b>Euro 835.00</b>

### 3. NATURE OF THE GRANT

Description of Expenditure	Quantity	Unit Cost	Amount
Galileoscopes*	5	EUR 33	EUR 165.00
+ Telescope	1	EUR 526.00	EUR 526.00
+ Transport Galileoscopes	5	EUR 13.2	EUR 66.00
+ Transport Telescope	1	EUR 33	EUR 33.00
Conferences and Outreach	Transport Pamphlets	2pplx10schoolsx200km@EUR0.02 100 copies @ EUR 0.65	Eur 80.00 EUR 65.00
Printing of report and research project on Astronomy in Rwanda		10 copies @ EUR 6.5	EUR 65.00
		<b>TOTAL GRANT OFFERED</b>	<b>835.00</b>

*\*Note that the cost of the Galileoscopes has been omitted as they will be donated to the project as soon as they become available.*

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#### 4. SCHEDULE OF ACTIVITIES

The table below indicates activities which are planned and their status..

Description of Activity/Deliverable	Date of Completion	Evaluation
1.Astronomy Quiz (preparation of questions, distribution, collection, analysis and publication of results)	30 July	✓ Done. Ref. Results on the Web.
2.Distribute 5 Galileoscopes, with necessary training, to the 5 best (based on astronomy quiz results) high schools ( <i>these 5 Galileoscopes will be donated to the project as soon as they are available</i> )	30 December	?
3.Distribute 1 amateur telescope, with the necessary training, to the Kigali Institute of Education	30 December	Already bought and ready to be sent to Rwanda.
4.Produce and distribute pamphlets (and other astronomical resources) to increase Astronomy awareness.	30 August	W.I.P.
5.High schools teacher training activities using the telescope handed to Kigali Institute of Education	30 December	W.I.P.
6.Public viewing activities using the telescope handed to Kigali Institute of Education	30 December	
7.Series of conferences at 4 higher education institutions: -Kigali Institute of Education (KIE) -National University of Rwanda (NUR) -Kigali Institute of Science and Technology (KIST) -National Institute of Sciences learning (INES)	30 December	W.I.P.
8.Awareness on "Basics of Astronomy" in at least 10 high schools and 4 universities.	30 December	✓ (90%) Done. Ref. Web
9.Participation in the "World Science Day" in Rwanda; host a stand on Astronomy.	10/11/01	WIP (posponned on 18 Dec)
10.Complete and print Research Project ; Evaluation of Astronomy in the Rwandan curricula	30 December	Done
11.Submit Final Report (with photos) and Financial Report to SAAO	30 December	

W.I.P.: *work in progress*

#### 5. The telescope has been bought:

It is a 4 inch Nextar motorised telescope.  
Price: ZAR 7600.

It is being aligned now and next week will participate in the Galilean nights before being sent to Rwanda in mid November to help in outreach activities.

We are happy with its functionality: Easy to set, Easy pointing, remote operation ...

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Fig.: The telescope is being aligned.

## 6. Study on the content of Astronomy in Rwandan Curricula.

A study, by an undergraduate student under the supervision of the IYA/Rwanda team, on the content of Astronomy in Rwandan curricula is coming to finish. It showed the weakness of the programme in terms of contents in basic knowledge of Astronomy Science at primary and high schools. Based on this report, the IYA/Rwanda will work closely with the Ministry of Education to analyse the possibility on how the programme can be inserted.

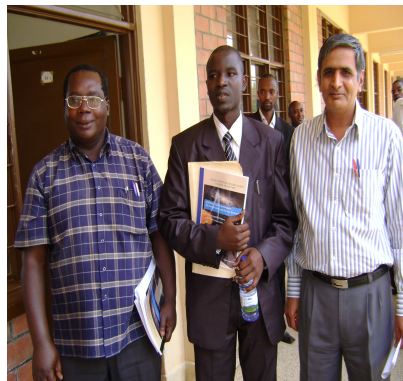
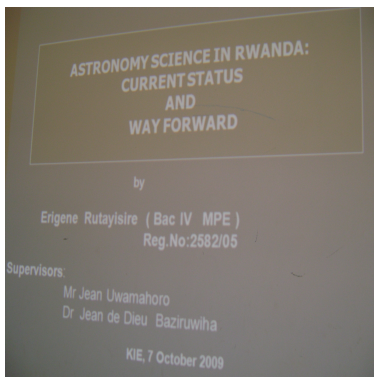


Fig. During the defense of the document.

## 7. CONCLUSIONS:

We are still on the time-line of the project and up to now no unprogrammed event happened.

## 8. ACKNOWLEDGEMENTS:

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Thanks to all the team of the DAG cornerstone project.

We are still grateful to another donations received from DAG (the shipping is still in process):

- The 100 free galileoscopes
- 6 Firstscopes.

**However we insist that efforts have to doubled so that these instruments be brought in our countries during December holidays where activities will be intense there on the side of IYA. This means that we would like to see the transport negotiations be energised so that the delivery can start with beginning December.**

For IYA/RWANDA (Grant holder)

On the 18 July 2009.

**Pheneas Nkundabakura**