

Editorial

With the publication of the 24th issue of the Latin-American Journal of Astronomy Education (RELEA) we reach 103 published articles – more than 100 articles in 24 issues, over 13 years. An average of 4.3 articles per issue and 7.4 articles per year.

We also inform that the Proceedings of the *IV Simpósio Nacional de Educação em Astronomia* (IV SNEA) will be available soon at the site: <www.sab-astro.org.br/eventos/snea/iv-snea/atas>, containing the abstracts of the approved works presented as oral communications, posters and also the complete works send to the editors. The Proceedings of the former SNEAs are also hosted by the SAB servers.

O V Simpósio Nacional de Educação em Astronomia (V SNEA) está confirmado para ocorrer de 24 a 27 de julho de 2018, na Universidade Estadual de Londrina (UEL), na cidade de Londrina, PR.

In this issue we feature four articles:

Simulando medidas de distâncias a estrelas em laboratório (Simulating measurements of distances to stars in laboratory), by Roberto dos S. Menezes Jr., Nicolás Otávio L. de Oliveira and Crislanda L. Pereira. This work presents the results of laboratory experiments aiming to simulate the measure of distances to the stars. For that purpose a transferer of parallax measurements and a lamp for luminous flux measurements were employed. As a main result, it was possible to check that the parallax distance had a percentual relative deviation of 0,95%, whereas the luminosity distance had a much bigger percentual relative deviation of 7,67%.

Poluição luminosa e educação ambiental: um estudo de caso em Camarate, Lisboa (Light pollution and environmental education: a case study in Camarate, Lisbon), by Inês Nunes and Luís Dourado. This article presents the results of an interdisciplinary project on Environmental Education executed at Camarate, Lisbon, Portugal. Audits on the external lighting equipment were performed, and the effects of luminous pollution on the visibility of stars and living beings development tested. The results showed a substantial level of light pollution, in which the living beings are affected by the night artificial lights.

Modelos mentais de estudantes dos anos iniciais do ensino fundamental sobre o dia e a noite: um estudo sob diferentes referenciais (Mental models of elementary school students on the day and night from different references), by Hanny Angeles Gomide and Marcos Daniel Longhini. This article presents a study of mental models of students on the day/night subject. 18 students from the 5th year from a state school in Uberlândia/MG participated in the test. The sources of data were: oral, written and imagery, further analyzed according to 4 categories: introductory, intermediate, integrated and inconsistent. Activities for the classroom work are also suggested.

Eclipses de cuando éramos chicos: recuerdos vivencialmente significativos de eclipses de Sol (Eclipses of the time when we were kids: ventionally meaningful memories of solar eclipses), by Néstor Camino and Santiago Paolantonio. This article describes a study with adults over 65, recalling their memories of solar eclipses seen as kids between 1921 and 1960 in Argentina. The registers were obtained by asking the participants a description of the memory, their ages, hour, place, who they were with and how they learn about the

phenomena, by means of interviews and questionnaires. This way, new elements for the teaching of astronomy were provided, not only related to learning, but also to generate significant life experiences to people which can be socially relevant.

In the present issue we publish once more a review comprising two books:

O Sistema Solar na aula da professora Zulema e Halley, o cometa dorminhoco (The Solar System in the class of the teacher Zulema and Halley, the sleepyhead comet), by the Gepeto working group, which already published six works until now. The review written by Paula Cristina da Silva Gonçalves Simon, deals with two new kid's books from the Collection “*Explorando o Universo*”, published by Eduel. In the 23th issue of the RELEA, another review of two other books of this collection was published.

More information about the Journal and instructions for authors can be found at: <www.relea.ufscar.br>. The articles can be written in Portuguese, Spanish or English.

Special thanks to Mr. Walison Aparecido de Oliveira and Mrs. Ana Cecília de Oliveira and Rebeca Silva de Oliveira for their work editing the articles. We also thank the associate editors, authors, referees and all those who directly or indirectly helped us in continuing this initiative and, in particular, in the preparation of this edition.

Editors

Paulo S. Bretones

Luiz C. Jafelice

Jorge E. Horvath