

ArAS News

NEWSLETTER

ARMENIAN ASTRONOMICAL SOCIETY (A r A S)

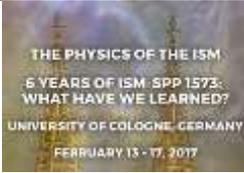
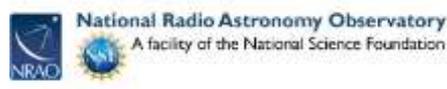
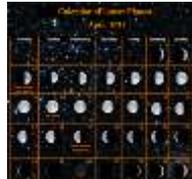


No. 103 (March 31, 2017)

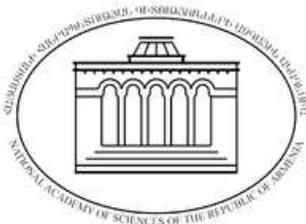
Editor: Sona FARMANYAN

ArAS Newsletter online at: <http://www.aras.am/ArasNews/arasnews.html>

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NAS RA General Annual Meeting Division of Physics and Astrophysics



On March 17, took place the General Annual meeting of RA National Academy of Sciences. The meeting was dedicated to the main results of the Academy's 2016 scientific and administrative activities. The President of the Academy, academician Radik Martirosian presented the most important results of the scientific works of the Academy's structures and applied developments, spoke about activities in the area of international cooperation, training of scientific cadre, programs of the Academy aimed at the enhancement of scientific research and some other activities of the Academy in 2016. Noting that currently the country has entered the pre-election period, the President of Armenia said that he would refrain from making a statement and expressed readiness to respond to the questions raised by the participants of the meeting and listened to their proposals.



On March 18, held the Division Meeting of Physics and Astrophysics. The following astronomical and astrophysical related talks were presented:

Kinetics of quark-gluon plasma (Armen Sedrakian, Germany)

The first results of Byurakan photometric survey (Tigran Movsisyan, Armenia)

Study of seismogenic symptoms by means of vertical sounding of the ionosphere (H.A. Pirumyan, A.G. Ghulyan, Kh. H. Manaselyan, Armenia)

Study of the radiation mechanisms from radiogalaxies and blazars in X-rays and gamma-rays (N.V. Sahakyan, Armenia)

Supramolecular environmental physics: the role of microwaves in lower atmosphere physics and in medical biophysics (Sergey Avakian, Russia)

Gamma ray astrophysics (Razmik Mirzoian, Germany)

MEETING DEDICATED TO BENIK TUMANIAN'S 100TH ANNIVERSARY



Հայաստանի աստղագիտական ժառանգությունը
գիտաժողով՝ նվիրված Բենիկ Թումանյանի 100-ամյակին
2-3 մայիսի, 2017թ., ԵՊՀ

On May 1st Benik Tumanian's 100th anniversary will be celebrated. Benik Tumanian has a great contribution to the Armenian astronomy. His works are known both in astrophysics, artificial satellites and history of astronomy. Yerevan State University together with Armenian Astronomical Society, National Academy of Sciences of RA and Byurakan Astrophysical Observatory organizes "Armenian Astronomical Heritage" conference dedicated to Benik Tumanian's 100th anniversary. The conference will be held on May 2-3 and will be open for astronomers and history of astronomy researchers.

Topics

- Astrophysics
- Space Explorations
- History of Astronomy
- Culture and Astronomy

Dates and deadlines

10.04.2017	Deadline for registration and submission of contributions
15.04.2017	Meeting Program available
02-03.05.2017	Meeting "Armenian Astronomical Heritage"

Contacts

Official webpage: <http://www.aras.am/Meetings/AHA/>

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Benik Tumanian's webpage: <http://www.aras.am/FamousAstronomers/tumanian.html>

The Physics of the ISM: 6 years of ISM-SPP 1573: What have we learned ?



"The Physics of the ISM: 6 years of ISM-SPP 1573: What have we learned?" conference took place in the University of Cologne, Germany, from 12-17 February, 2017. It was organized by the DFG priority program 1573 for the interstellar medium (ISM-SPP) jointly with the I. Physics Institute of the University of Cologne.

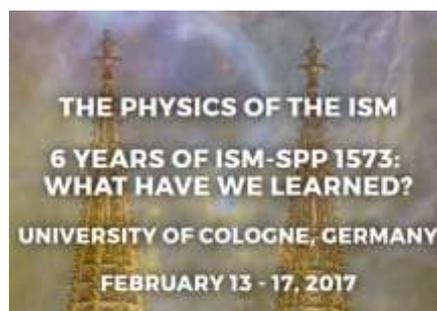
The conference was aimed at summarizing the recent progress as well as bringing together experts from all three research pillars - laboratory studies, observations as well as theory and computations - in order to form a consistent picture of the relevant physical processes in the ISM.

The conference was divided in 9 sessions:

1. Observations of multi-scale structure in the ISM
2. Turbulence and dynamics of the ISM and their influence on structure formation
3. Structure formation and scaling relations in the ISM
4. The magnetized ISM and its influence on structure formation
5. Feedback and phase transitions in the ISM
6. The chemistry of the ISM
7. The physics of dust
8. The ISM in extreme environments
9. Connecting the ISM and its galactic environment

The conference was attended by more than 200 scientists from all over the world (from America to Australia). Many well-known scientists in this area had invited speaks, like Philippe André, Blakesley Burkart, Alexandre Lazarian, Svitlana Zhukovska, Adam Leroy, Richard Crutcher, Bruce Elmegreen, Daniela Calzetti and others ...

Senior Assistant Astronomer of the Byurakan Astrophysical Observatory (BAO) Hasmik Andraasyan was representative in the conference and gave a short oral presentation of her poster.



Hasmik Andraasyan

THE 4TH BYURAKAN SCIENCE CAMP

Բյուրականյան չորրորդ գիտաճամբար
Fourth Byurakan Science Camp

21-26 օգոստոսի 2017թ., Բյուրական, Հայաստան

Summer science camps seek to broaden the pupils' perspective on astronomy through interactive lectures on selected topics of astronomy, practical exercises and observations, visits to astronomical heritage sites, and exchange of experiences. Science camps fall under the umbrella of what is commonly called informal science learning. Recent studies show that informal science learning is one of the most effective ways people learn science. BAO has necessary base to host such a camp, as before BAO together with ArAS has organized international and local schools, as well as three Byurakan Science Camps in 2014-2016 (<http://www.aras.am/Education/camps.html>).



The Fourth Byurakan Science Camp will be held on 21-26 August, 2017. In this camp participants can combine science and art, study and fun. An interesting scientific and leisure program is planned which includes visits to the rich science interest places in Armenia, lectures about popular astronomy, astronomy and culture, astronomy and mythology, star gazing with professional telescope, courses of general English, science films watching with comments of professional astronomer, meetings with famous astronomers (including archaeoastronomers), intellectual and sport games as well as other activities are planned. Participant will also make a film about this summer science camp, with our instruction they will prepare amateur telescope and by their own telescope they will have star gazing.

THE 2ND “MY UNIVERSE” CONTEST



The Armenian Astronomical Society (ArAS) and the Fund for Armenian Relief (FAR) together organizes “*My Universe*” essay contest for pupils aged 10-15 from Tavush Province Shamshadin region of the Republic of Armenia. The contest will kick on March 20 and will close at April 20. The results will be announced on June 5 by the impartial jury consisting of teachers and astronomers that will evaluate and select the best essays.

The winners will visit to Byurakan Astrophysical Observatory (BAO) on July 18-20, have a 2-day stay at BAO guest house, get acquaintance to BAO research and other activities, meet professional astronomers, visit BAO 2.6m telescope and Viktor Ambartsumian’s museum, and have night observations.

Avetik Grigoryan’s popular books “*From the Deep of Ages to the Universe*” devoted to astronomy, space flights, aeronautics, and rocket techniques will be the prizes for the winners, which will be awarded together with the certificates.



RELEASE OF ASTROCURIER MARCH ISSUE



Preface to the readers

Greeting to Women

Visiting the Muse of Urania (poetic pages of the Odessa Astronomical Calendar)

Philosophy of life from Mikhail Zhvanetsky

Come listen to Odessa

Video-Musical page

Read the newsletter online at: <http://www.sai.msu.ru/EAAS/rus/astrocourier/index.html>

RELEASE OF NRAO NEWSLETTER

Upcoming Events

ALMA Proposal Writing Workshops

NRAO/LBO Community Day @ University of Michigan

ALMA Cycle 5 Call for Proposals Submission Deadline

NRAO/LBO Community Day @ UNAM-Morelia

American Astronomical Society Meeting

2017 Astrobiology Graduate Conference

Women in Astronomy IV: The Many Faces of Women Astronomers

Developing the ngVLA Science Program Workshop

Measuring Star Formation in the Radio, Millimetre, and Submillimetre

Futures III

ALMA Long Baseline Workshop

6th VLA Data Reduction Workshop

Recent Media Releases

Protostar Blazes Bright, Reshaping Its Stellar Nursery

Ancient Stardust Sheds Light on the First Stars

An Extraordinary Celestial Spiral with a Twist

The Dawn of a New Era for Supernova 1987A

Career Opportunities

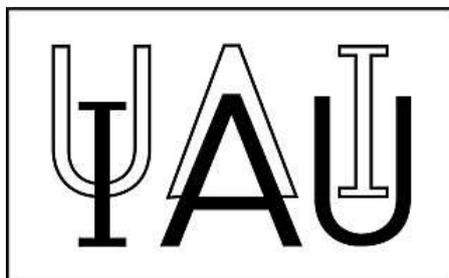
ALMA Director

Director - Central Development Laboratory

CASA Lead

ALMA - Head of Data Management Group

RELEASE OF IAU ASTRONOMY OUTREACH NEWSLETTER 2017, March #1, #2



From the Editors

National Outreach Contact (NOC) Corner: News from USA

National Outreach Corner: News from Portugal

Naval Hill Planetarium: Context-appropriate Content Development Project

SkyLight – a Global Science Opera: The Refugee Song and Dance

Commemorating the first female astronomer — Hypatia of Alexandria

Let's celebrate planetariums around the world!

Making the Case: Outreach & Communications for Large, International Science Projects

Backyard Worlds: Planet 9

"Astronomy for All" during Global Astronomy Month

Hands-on Basic Space Science Training for Primary and Secondary School Teachers (HBSST)

The Sky on a Bike

National Outreach Contacts (NOC) Corner: News from Serbia

Get ready for Global Astronomy Month 2017

The Eclipse Megamovie Project

Light Pollution Lesson Plans for Educators

Free eBook: 101 Astronomical Events 2017

Meetings & Global Events for 2017

Recently added

Important Dates

Upcoming

IAU Astronomy Outreach Newsletter in other languages

Contributions to IAU Outreach Newsletter





Misha KAZARIAN – 85. *Prof.* Misha Aristakes Kazarian, one of the most famous Armenian astronomers working in the field of extragalactic astronomy, the author of Kazarian galaxies, recently celebrated his 85th anniversary. *Prof.* Kazarian was born on March 5, 1932 in Maralik, Armenia. He graduated from the Yerevan State University (YSU) Chair of Astrophysics in 1958 and worked at the Byurakan Astrophysical Observatory (BAO) in 1958-1980. In 1968 he defended his Ph.D. thesis under the supervision of *Prof.* Grigor Gurzadyan and in 1990 he was awarded the scientific degree of Doctor of Physical-Mathematical Sciences. Since 1968, Kazarian works at the YSU, Chair of Astrophysics, at the beginning as a lecturer and later, since 1990, as a Professor. Since

1994 he was the Head of the Chair of Astrophysics. From 1980 to 1990 he was the Head of the observational station of artificial satellites of the YSU. Currently he is a professor at YSU Chair of General Physics and Astrophysics. His research is devoted to various studies of Ha stars, cometary nebulae, and galaxies with UV excess (UVX). He has published more than 100 papers in *Astrofizika/Astrophysics*, *Commun. of BAO* and *Astrophys. J.*, presented a number of talks at different international scientific meetings. 706 UVX galaxies have been catalogued, known as Kazarian galaxies. 120 of these objects have been studied photometrically and spectroscopically by Kazarian et al. at the BAO 2.6m and Special Astrophysical Observatory (SAO, Russia) 6m telescopes. Kazarian works at the YSU almost 50 years, he has lectured a number of courses and has contributed significantly in preparation of many Armenian astronomers. He has been the scientific supervisor for a number of Ph.D., M.Sc. and B.Sc. theses. *Prof.* Kazarian is a member of the International Astronomical Union (IAU), European Astronomical Society (EAS) and Armenian Astronomical Society (ArAS, 2001).



Vigen MALUMIAN – 85. *Prof.* Vigen Haik Malumian was one of the most famous radioastronomers at the Byurakan Astrophysical Observatory (BAO). *Prof.* Malumian was born on March 11, 1932 in Yerevan, Armenia. In 1954 he graduated from the Yerevan State University (YSU) Chair of Astrophysics. In 1963 he defended his Ph.D. theses under the supervision of *Prof.* S. Khaykin and in 1991 he was awarded the scientific degree of Doctor of Physical-Mathematical Sciences. More than half a century *Prof.* Malumian worked at BAO. Since 1995, he was a leading scientific researcher of BAO. For long years he was a member of the Scientific Council and Specialized Council (Council for Scientific Degrees) of BAO and lectured at the YSU, since 1995 he was a Professor and has contributed

significantly in preparation of Armenian astronomers as well. *Prof.* Malumian's main research interests included investigations of isolated and double galaxies, groups of galaxies, radio galaxies, quasars and other radio sources in both radio and other wavelengths ranges, as well as the study of radio properties of Markarian and spiral galaxies. On these and some other scientific topics he had published more than 85 papers, presented a number of talks at different international scientific meetings. *Prof.* Malumian was a member of IAU (since 1997), EAS, one of the founding members of ArAS (1999). He passed away on February 2, 2013 in Yerevan, Armenia.



Karine SAHAKIAN – 80. *Dr.* Karine Anushavan Sahakian was one of the best astronomers-observers at the Byurakan Astrophysical Observatory (BAO) working in the field of extragalactic astronomy. She was born on March 15, 1937. In 1958 she graduated from the Yerevan State University (YSU) Chair of Astrophysics and started working at the Byurakan Astrophysical Observatory (BAO). In 1972 she defended her Ph.D. theses under the supervision of *Prof.* V.A. Ambartsumian. She was a senior research associate at BAO. Her main research field was extragalactic astronomy and the research interests were photometric and spectroscopic studies of Markarian galaxies, especially their central structure, as well as stellar associations and superassociations in galaxies. She made a lot of

observations with the Byurakan telescopes, particularly the largest one, 2.6m telescope. *Dr.* Sahakian was an author of several dozens of scientific papers and a book “*Manual of young astronomer*” (Yerevan 1969, in Armenian). She passed away in 1993.

Calendar of Lunar Phases

April 2017

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					1	2
3 Lunar crescent (first quarter)	4	5	6	7	8	9
10	11 Full Moon	12	13	14	15	16
17	18	19 Lunar crescent (last quarter)	20	21	22	23
24	25	26 New Moon	27	28	29	30