

Newsletter

Vol. 19 Issue 2 FEBRUARY 2018

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**Nehru
Centre**



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Annual Subscription Rs. 100

Events At a Glance...

Art Gallery

Glimpses of Himachal Pradesh

Works of artists of Nehru Centre Study Camp to Dharamsala and other areas of Himachal Pradesh, will be exhibited for the art lovers.

Tuesday, 20th February 2018 to
Monday, 26th February 2018
Nehru Centre Art Gallery

Library: Talk and Discussion

Remnants of a separation: A history of the partition through material memory

Written by Aanchal Malhotra

Thursday, 22nd February 2018
Time: 4.30 p.m.
Venue: 'Who Are We' Hall

Cultural Wing

जरतारी कशिद्याची किमया . . . विंदा!

A programme to commemorate Birth Centenary of Kavivarya Vinda Karandikar and Marathi Bhasha Din.

28th February 2018
6.30 pm
Nehru Centre Auditorium

National Science Day and C. V. Raman's Physics Nobel of 1930

India celebrates 28th February as the National Science Day with the objective of spreading awareness about science and its applications in day to day life of people. The date is significant because on that date in 1928 Chandrasekhara Venkata Raman discovered what came to be known as 'Raman Effect' for which he was awarded the Nobel Prize two years later.

It may appear strange but it is true that the great scientist began his career by joining a service which had nothing to do with science. He had joined the Indian Audit and Accounts service in 1907 after standing first in the competitive examination and remained with it for ten years. He was posted as a Deputy Accountant General in Calcutta where he served for most of the time.

While at Calcutta, Raman became a member of the Indian Association for the Cultivation of Science and spent all his spare time, i.e. every evening, there conducting research on the acoustics of Indian musical instruments.

Raman's researches never required expensive equipments. The equipment he used for

demonstrating 'Raman Effect' had cost him Rs. 200/- and was acclaimed by his fellow scientists as a "model of simplicity". Raman said: "The essence of science is independent thinking, hard work and not equipment."

Raman was the first Nobel laureate in science not only from India but from the continent of Asia.

Selection for the Nobel Prize is through an elaborate process. The first step is the nomination. According to the official website for Nobel Prizes, Swedish and foreign members of the Royal Swedish Academy of Sciences, Members of the Nobel Committee for Physics and former Nobel Laureates of Physics could send nominations. The authority to nominate was also given to the permanent and assistant professors in the sciences of physics at the universities and institutes of technology of Sweden, Denmark, Finland, Iceland, Norway and Karolinska Institute, Stockholm. In the past the Nobel Laureates from other science disciplines could also send nominations. It is stipulated that the nominee must be a living scientist.

contd. on page 2

According to the will of Alfred Nobel, a prize may be shared by up to three scientists. So, one single nominator can actually nominate more than one scientist for the prize. All these names must reach the committee on or before 31st January of the concerned year for which the winners would be identified.

In 1930, Raman not only got the highest number of nominations but he received nominations from some of the stalwarts of physics at that time, six of whom had already won the Nobel Prize by then. The table on the right shows that in 1930 Raman became so obvious a choice that the Nobel Committee for physics did not have to deliberate for long.

What Nehru said....

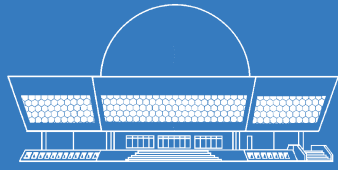
Whether in land or industry, or in the governmental apparatus, institutional changes become necessary from time to time as functions change. A new set of values will replace those that have governed the old acquisitive society based on the profit motive. The problem before us is ultimately to change the thinking and activities of hundreds of millions of people, and to do this democratically by their consent.

22nd February 1959

NAMES OF NOMINATORS OF THE 1930 PHYSICS NOBEL PRIZE

SL No.	Nominee	Nationality	Nominator	Nationality of the nominator	Remarks on the Nominator
1.	Bom, M	German	Pringsheim P.	German	Mathematician
2.	Bowen, IS	USA	Millikan, RA	USA	Phys NL, 1927
3.	Bowen, IS	USA	Osborn, HF	USA	Geologist
4.	Cotton, A	French	Guillaume, CE	Swiss	Phys NL 1920
5.	Cotton, A	French	Villat, H	France	
6.	Davisson, CJ	USA	Millikan, RA	USA	Phys NL 1927
7.	Davisson, CJ	USA	Osborn, HF	USA	Geologist
8.	Davisson, CJ	USA	Richardson, OW	British	Phys NL 1928
9.	Debye, P	German	Walther, A	German	
10.	Debye, P	German	Warburg, E	German	
11.	Ferrie, GA	French	Townsend, JSE	British	
12.	Gerlach, W	German	Campbell, WW	USA	
13.	Heisenberg, W	German	Frenkel, Y	Russian	
14.	Heisenberg, W	German	Nagaoka, H	Japanese	
15.	Heisenberg, W	German	Perrin, J	French	Phys NL 1926
16.	Heisenberg, W	German	Planck, M	German	Phys NL 1918
17.	Heisenberg, W	German	Pringsheim, P	German	Mathematician
18.	Heisenberg, W	German	Svedberg, T	Swedish	Chem NL 1926
19.	Hilbert, D	German	Hadamard, J	French	Mathematician
20.	Landsberg, GS	Russian	Khvol'son, O	Russian	
21.	Langevin, P	French	Nicolle, C	French	
22.	Mandel'shtam L	Russian	Papaleski, N	Russian	
23.	Mandel'shtam L	Russian	Khvol'son, O	Russian	
24.	Paschen, P	German	Franck, J	German	Phys NL, 1925
25.	Raman, CV	Indian	Bloch, F	German	Phys NL, 1952
26.	Raman, CV	Indian	Bohr, N	Danish	Phys NL, 1922
27.	Raman, CV	Indian	Broglie, L de	French	Phys NL, 1929
28.	Raman, CV	Indian	Broglie, M de	French	
29.	Raman, CV	Indian	Khvol'son, O	Russian	
30.	Raman, CV	Indian	Perrin, J	French	Phys NL, 1926
31.	Raman, CV	Indian	Pfeiffer, R	French	
32.	Raman, CV	Indian	Rutherford, E	British/ New Zealander	Chem NL, 1908
33.	Raman, CV	Indian	Stark, J	German	Phys, NL, 1919
34.	Raman, CV	Indian	Wilson CTR	Scottish	Phys NL, 1927
35.	Russell, HN	USA	Osborn, HF	USA	Geologist
36.	Saha M	Indian	Bose, DM	Indian	
37.	Saha M	Indian	Mitra, SK	Indian	
38.	Schrödinger, E	Austrian	Campbell, WW	USA	
39.	Schrödinger, E	Austrian	Cantone, M	French	
40.	Schrödinger, E	Austrian	Frenkel, Y	Russian	
41.	Schrödinger, E	Austrian	Khutkov, Y	Russian	
42.	Schrödinger, E	Austrian	Laue, M von	German	Phys NL, 1914
43.	Schrödinger, E	Austrian	Miroslubov, N	Russian	
44.	Schrödinger, E	Austrian	Nagaoka, H	Japanese	
45.	Schrödinger, E	Austrian	Planck, M	German	Phys NL, 1918
46.	Schrödinger, E	Austrian	Plate, L	German	
47.	Sommerfeld, A	German	Franck, J	German	Phys NL, 1925
48.	Sommerfeld, A	German	Millikan, RA	USA	Phys NL, 1927
49.	Sommerfeld, A	German	Osborn, HF	USA	Geologist
50.	Sommerfeld, A	German	Plate, L	German	
51.	Stern, O	German	Campbell, WW	USA	
52.	Stern, O	German	Franck, J	German	Phys NL, 1925
53.	Weiss, P	French	Caberra, B	Spanish	
54.	Weiss, P	French	Gley, E	French	
55.	Weiss, P	French	Nicolle, C	French	Medicine, NL 1928
56.	Wood, RW	US	Bloch, F	German	Phys NL, 1952
57.	Wood, RW	US	Bohr, N	Danish	Phys NL, 1922
58.	Wood, RW	US	Franck, J	German	Phys NL, 1925
59.	Wood, RW	US	Rozhdestvenski, D	Russian	

(Phys: Physics; Chem: Chemistry; Medicine: Physiology & Medicine)



NEHRU PLANETARIUM

SKY SHOW : 'Biography of the Universe'

Timings

12 noon (Hindi) 1:30 pm Marathi
3:00 pm (English) 4:30 pm Hindi

(MONDAY CLOSED)

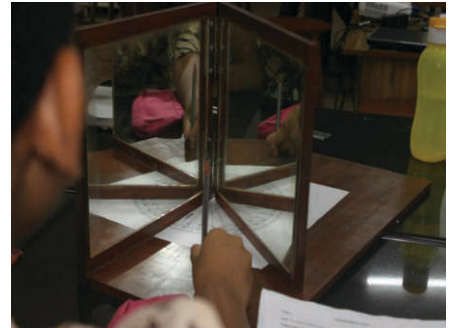
"Hands-On Science Laboratory"

As suggested by the Executive committee of Nehru Centre, Hands-On Science Laboratory for the students of middle school (7th standard) to Higher secondary (10th standard) was setup in the basement area of Nehru Planetarium. H. T. Parekh Foundation contributed generously for setting up the laboratory.

The laboratory became operational in April 2017. Initially topics related to physics such as electricity, magnetism, optics, astronomy, heat and sound were covered. In January 2018, Biology and Chemistry were also added. Each topic is covered in 4 sessions of 3 hours each. To give individual attention about 20 students are taken per session. Most sessions are held on Saturdays and Sundays. During holidays sessions continue throughout the week. Till date about 60 sessions have been conducted. Alongside are some pictures of students working in the Lab.



Writing accurate log of observations is taken very seriously



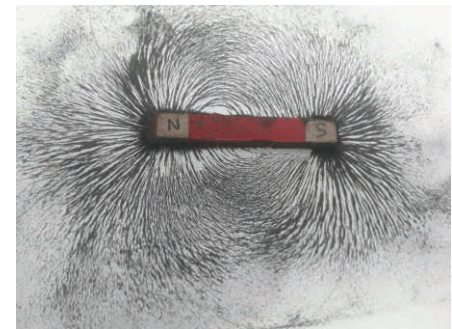
Counting Number of images when two mirrors are placed at different angles



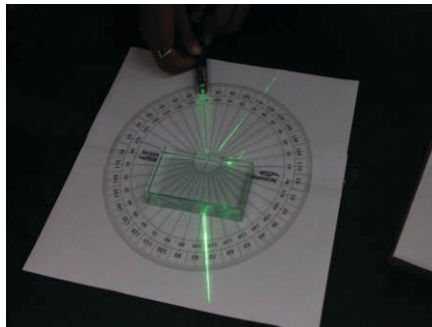
Studying properties of current passing through wire



Studying how light bends in a glass slab



Iron filings and magnet



Properties of light when it travels from one medium (air) to other medium (glass)



Measuring focal length of a lens

41st Anniversary Celebrations – 2018 of Nehru Planetarium

To celebrate its 41st Anniversary (3rd March 2018) Nehru Planetarium will be organizing the following competitions from 21 February 2018 to 3 March 2018.

Astro-Painting Competition: Wednesday 21 February 2018 (10 am to 1 pm)

The competition is open to students of IV to VII standards. Each participating school may nominate up to three students. The students will be provided drawing paper but they have to bring their own colouring materials. The students would be required to do on the spot painting of any Astronomical phenomenon of their choice. Participants should report at the Nehru Planetarium by 9.30 am on Wednesday, 21 February 2018.

Astro-Essay Competition: Thursday, 22 February 2018 (10 am to 1 pm)

The competition is open to students of VIII and IX standards. Each participating school should nominate two students. The students have to write an essay on a topic, which will be announced on the spot. Participants should report at the Nehru Planetarium at 9:30 a.m. on Thursday, 22 February 2018.

Astro- Elocution Competition: Friday, 23 February 2018 (10 am to 1 pm)

The Competition is open for students of VIII and IX standards. Each participating school should nominate two students. The students would have to speak on a topic that would be announced at the time of the Competition. Participants should report at the Nehru Planetarium by 9.30 am on Friday, 23 February 2018.

Astro-Poetry Competition: Saturday, 24 February 2018 (10 am to 1 pm)

The competition is open to students of V to IX standards. Each participant will be asked to write a poem related to Astronomy. Each school may nominate up to two students. Participants should report at the Nehru Planetarium by 9.30 am on Saturday, 24 February 2018.

Astro-Quiz Competition: Tuesday, 27 February 2018 (10 am to 1 pm)

The Competition is for students of VIII to IX standards. Each participating school may nominate up to three students. A preliminary written quiz will be given first and the performance will be assessed on the spot. Based on their performance in the written quiz, four students will be selected in the order of merit to compete in the oral quiz. The participants should report at the Nehru Planetarium by 9.30 am on Tuesday, 27 February 2018.

Science Quiz Competition: Wednesday, 28 February 2018 (10 am to 1 pm)

To mark the National Science Day there will be a Science Quiz Competition for the students of VII and VIII standards. Each participating school may nominate up to three students. The students will be given a preliminary written quiz, and the performance will be assessed immediately. Based on their performance four students will be selected in the order of merit to compete in the oral quiz. Participants should report at the Nehru Planetarium by 9.30 am on Wednesday, 28 February 2018.

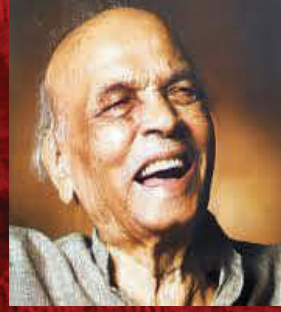
Those desirous of participating in the above competitions are required to submit a registration form through their school. The form can be downloaded from <http://www.nehru-centre.org>

The form is to be sent to The Programme Coordinator, Nehru Planetarium, Dr. Annie Besant Road, Worli, Mumbai 400 018. or the form may be faxed to: 24924133 or scanned copy may be emailed to director.np1977@gmail.com before 20th February 2018.

Cultural Wing

कवीवर्य विंदा करंदीकरांच्या जन्मशताब्दी वर्ष आणि
मराठी भाषा दिनानिमित्ताने

जरतारी कशिद्याची किमया...



विंदा!

To commemorate the birth centenary of Kavivarya Vinda Karandikar as also the Marathi Bhasha Din, Nehru Centre will be presenting the literary works of the great poet in music and dance form. Extracts from his essays will be read and his poems recited.

Noted film and theatre personalities viz. Sanjay Mone, Sunil Barve, Aishwarya Narkar, Madhuri Karmarkar will take part in the programme.

Shri Guru Korgaonkar will choreograph the dance performance and music will be rendered by a team comprising of Prashant Lalit, Nishad Karalgikar and Mahendra Shedge.

Smt. Uttara Mone will compere the programme.

28th February 2018, 6.30 pm, Nehru Centre Auditorium

Entry: Entrance Cards will be available on Friday, 23rd February 2018 from 10.30 am until availability of the entrance cards from the Booking Counter of the Nehru Centre Auditorium.

Programmes for February 2018

“ISHWAR ALLAH TERONAAM”

Bridging the gap with brush strokes
by ACHYUT PALAV &
SALVA RASOOL



Calligraphy by Achyut Palav

“Ishwar Allah Tero Naam ” is being presented by these two well-known Calligraphers of India.



Calligraphy by Salva Rasool

Through the medium of Calligraphy Achyut Palav and Salva Rasool bring

out that there is only one Supreme being though addressed by different names.

Tuesday 6th February to
Monday 12th February 2018
(AC Gallery)

DIPIKA RODA



Painting by Dipika Roda

Dipika has studied water colour from Visual Art Academy, Thane. She has participated in various group shows. She will display her landscapes in water colours.

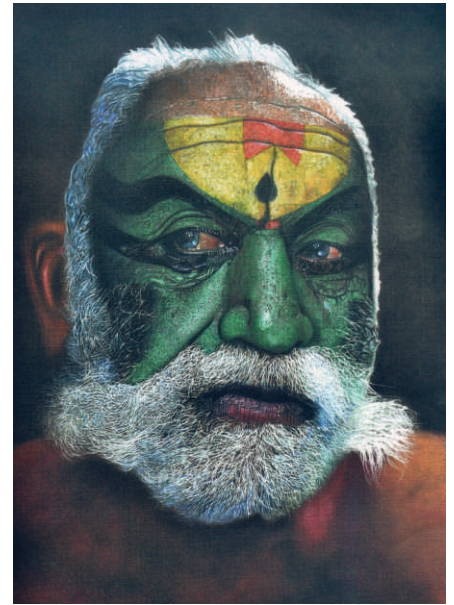
Tuesday 6th February to
Monday 12th February 2018
(Circular Gallery)

PRASHANT YAMPURE

Prashant obtained G.D.A. in Commercial Art from Abhinav Kala Mahavidyalaya, Pune.

His paintings and portraits are in colour pencils and acrylic on canvas. He will also show his works in Fiber Glass.

Tuesday 13th February to
Monday 19th February 2018
(AC Gallery)



Painting by Prashant Yampure

PASABHAI MAKWANA



Painting by Pasabhai Makwana

Pasabhai born in Sachana, Gujarat received A.T.D. and G.D.A. in Painting from Ahmedabad. He has exhibited his works in India and abroad.

Tuesday 13th February to
Monday 19th February 2018
(Circular Gallery)

**“GLIMPSES
OF HIMACHAL PRADESH”
- A STUDY CAMP**

It was the 25th Study Camp held at Dharamsala in which nine students of the past 15 camps participated. What they created will be on display:

**Tuesday 20th February to
Monday 26th February 2018
(AC & Circular Gallery)**

PARSHAVANATH NANDRE



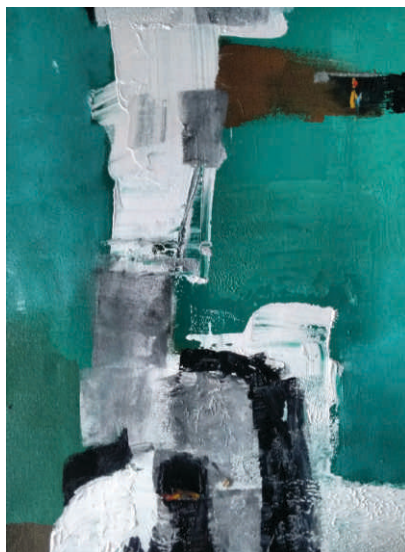
Painting by Parshavanath Nandre

Parshavanath secured Dip.Ed.; G.D.A. and M.F.A. in Painting from Kolhapur. He has had many solo and group shows. His abstract paintings are in acrylic and oil on canvas.

**Tuesday 27th February to
Monday 5th March 2018
(AC Gallery)**

**SUJAY TULASKAR .
DINESH CHAUDHARI .
VINAY MHATRE .
VINOD MUKANE .
BALKRISHNA NAIK**

Sujay completed G.D.A. in Painting from Karandikar Kala Academy. His paintings are in abstract forms.



Painting by Sujay Tulaskar

Dinesh also has secured G.D.A. in Painting from Karandikar Kala

Academy. His landscapes are in oil on canvas.

Vinay completed G.D.A from Karandikar Kala Academy. His landscapes are in water colours.

Vinod has G.D.A. in Painting from Karandikar Kala Academy. His paintings are compositions in geometric forms.

Balkrishna obtained G.D.A. in Applied Art from Mumbai. His paintings are realistic in water and acrylic colours.

**Tuesday 27th February to
Monday 5th March 2018
(Circular Gallery)**



Nehru Centre's 25th Indian Masters' Retrospective

**Raja Ravi Varma's work was on display
from 15th December 2017 to 6th January 2018
It was a treat for Art Lovers**



NEHRU CENTRE PUBLICATIONS

MUMBAI PAST & PRESENT * WITNESS TO HISTORY

* REMEMBERING EINSTEIN *

INDIAN ASTRONOMY A Source Book

EXPLORING THE UNIVERSE: The Planetarium Way

SCIENCE IN INDIA: PAST & PRESENT

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CHALLENGES TO DEMOCRACY IN INDIA

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7. G. N. JADHAV

8. ART HERITAGE OF MAHARASHTRA

9. HAREN DAS / 10. PROF. P. A. DHOND

11. COLLECTOR'S PRIDE / 12. K. B. KULKARNI

13. VINAYAK S. MASOJI

14. SAMAKALEEN (Contemporary Five Artists)

VINAYAKRAO WAGH * RAJARAM PANVALKAR

KRISHNAJI KETKAR * DATTAJIRAO DALVI

* GOVIND MALADKAR

15. NAGESH B. SABANAVAR

16. NARAYAN L. SONAVADEKAR

17. "GURU-SHISHYA"

BABA GAJBAR & GANPATRAO WADANGEKAR

18. D. G. KULKARNI (DIZI)

19. MILLENNIUM SHOW

(A Century of Art from Maharashtra)

20. BALAJI TALIM & HARISH TALIM

21. S. L. HALDANKAR & G. S. HALDANKAR

22. VINAYAKRAO P. KARMARKAR

23. GOPALRAO DEUSKAR

ART FUSION

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Biographies: Scientists

Sr. No.	Title	Author
1.	The man who knew infinity: A life of the genius Ramanujan	Robert Kanigel
2.	Conflict in the cosmos: Fred Hoyle's life in science	Simon Mitton
3.	Edwin Hubble: The discoverer of the big bang universe	Alexander S. Sharov and others
4.	Thomas Edison: Genius of electricity	Keith Ellis
5.	Subtle is the Lord: The science and the life of Albert Einstein	Abraham Pais
6.	Journey into light: Life and science of C. V. Raman	Ganeshan Venkataraman
7.	My brief history	Stephen Hawking
8.	Chandra: A biography of S. Chandrasekhar	Kameshwar C. Wali
9.	Surely you're joking, Mr Feynman: Adventures of a curious character as told to Ralph Leighton	Edward Hutchings
10.	A masterful spirit: Homi J. Bhabha: 1909-1966	Indira Chowdhury

Talk and Discussion

Remnants of a separation: A history of the partition through material memory

Written by **Aanchal Malhotra**

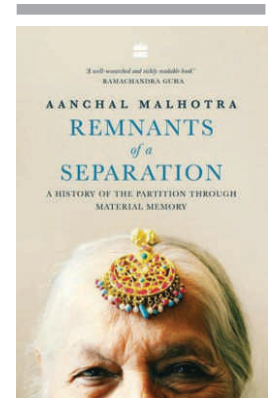
Remnants of a Separation is a unique attempt to revisit the Partition through objects that refugees carried with them across the border. These belongings absorbed the memory of a time and place, remaining latent and undisturbed for generations.

Date: **Thursday, 22nd February 2018**

Time: **4.30 p.m.**

Venue: **'Who Are We' Hall**

Open to all



R S V P required :
aratidesai@nehru-centre.org

Nehru Centre : nehru-centre.org/library.html

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nehrucen : nehrucen-koha.informindia.co.in

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2nd & 4th Saturdays
from 10 am to 2 pm

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public holidays

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