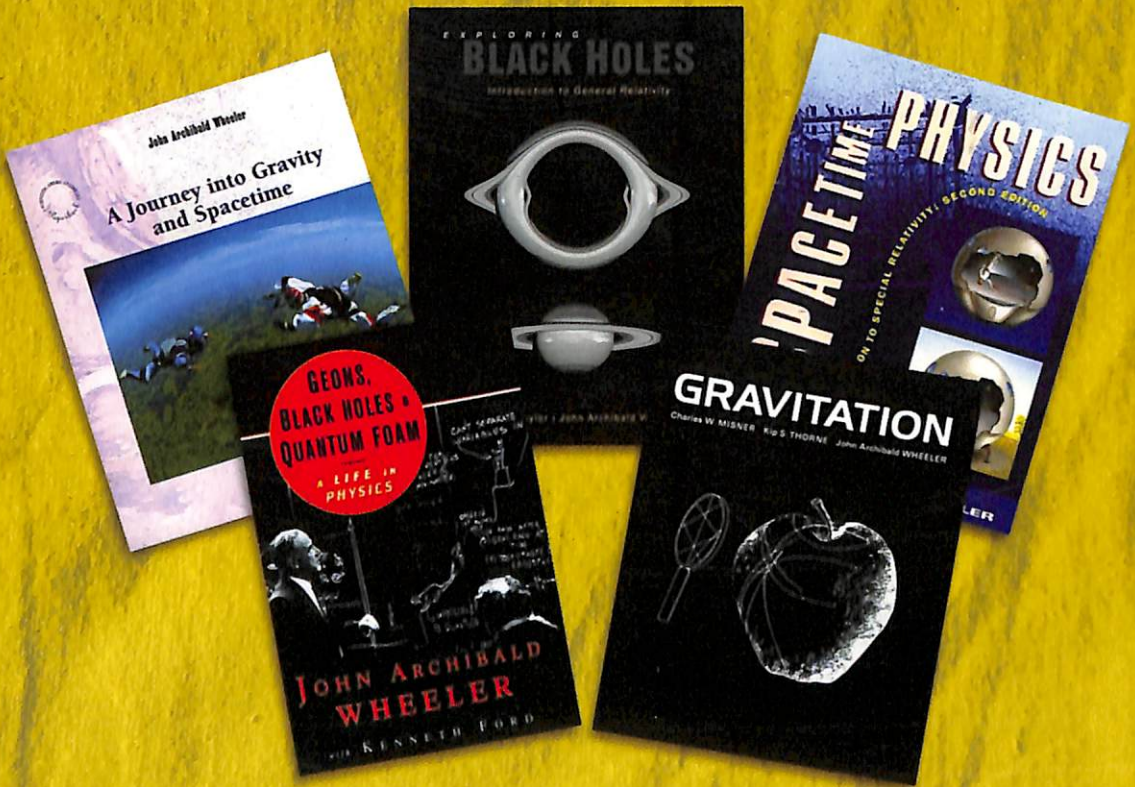


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January 2013

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journal of science education



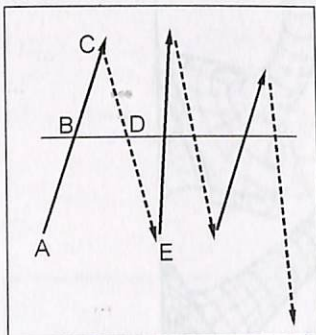
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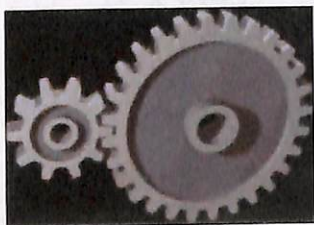


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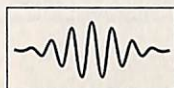
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Flowering Trees
 Credit: Navendu Page, IISc

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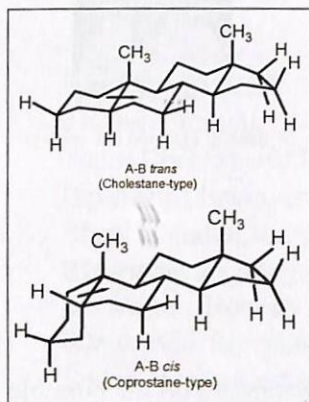
Collage of covers from some of Wheeler's textbooks.

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John Archibald Wheeler
 (1911–2008)
 (Illustration: Subhankar Biswas)

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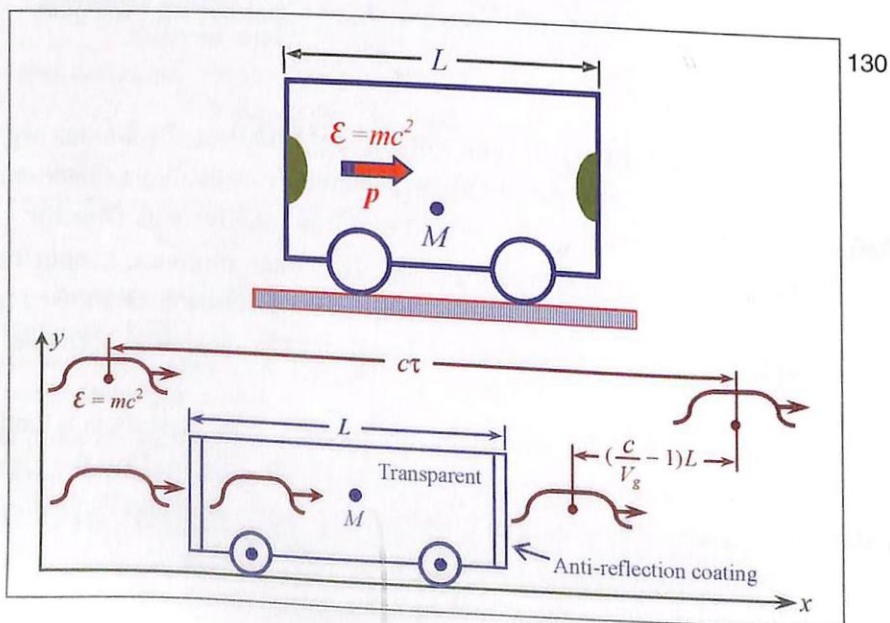


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Hydrilla verticillata, a keystone species.
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(Illustration: Subhankar Biswas)

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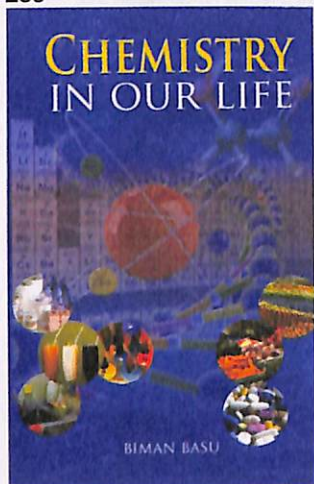
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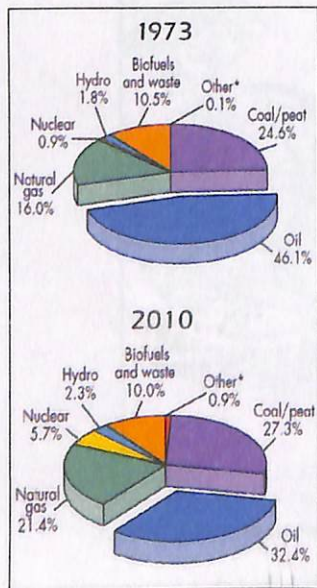
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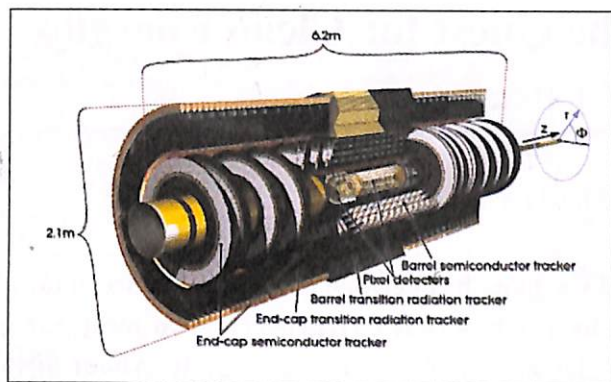
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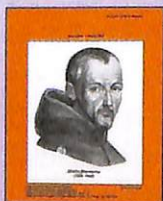
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A candidate model for the atomic decoration of the decagonal quasi-unit cell for $Al_{72}Ni_{20}Co_8$. See p.271.

Courtesy: P J Steinhardt

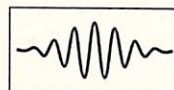
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Marin Mersenne
 (1588–1648)

(Illustration: Subhankar Biswas)

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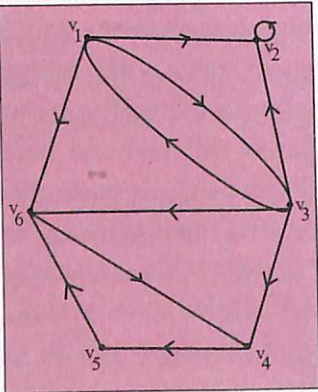
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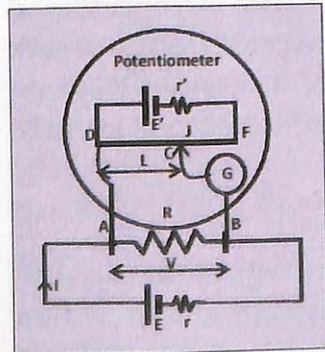
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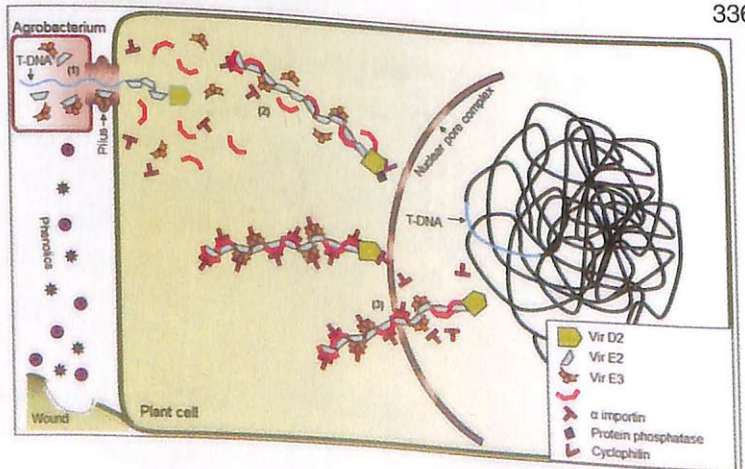
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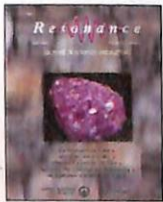


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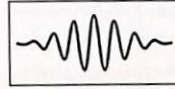
A spectacular assembly of many crystals of Amethyst quartz from the Raman Research Institute museum. Pancharatnam used the Poincaré sphere very effectively to understand the varied phenomena shown by them. (see article on page 309.)
 Courtesy: RRI, Bangalore

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S Pancharatnam
 (1934–1969)
 (Illustration: Subhankar Biswas)

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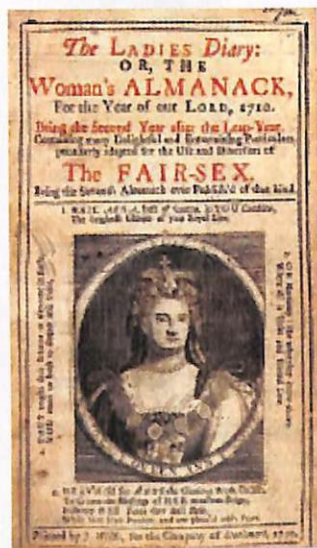
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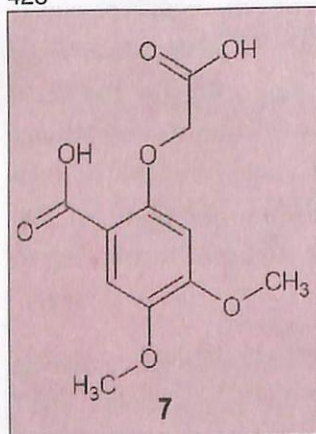
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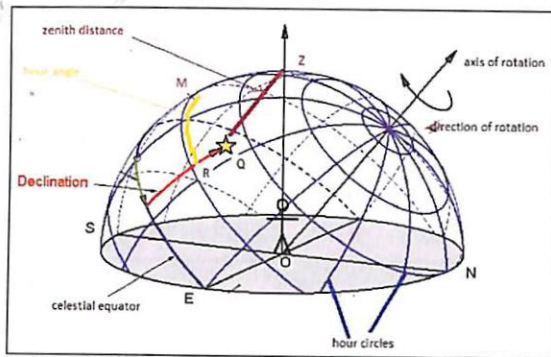
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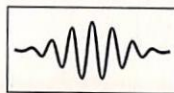
Gemasolar Power Plant in Spain.
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Shreeram S Abhyankar
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(Illustration: Subhankar Biswas)

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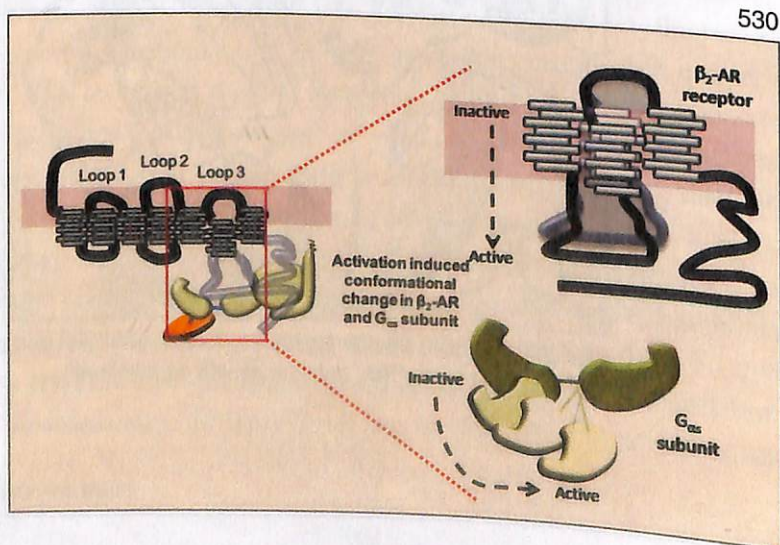


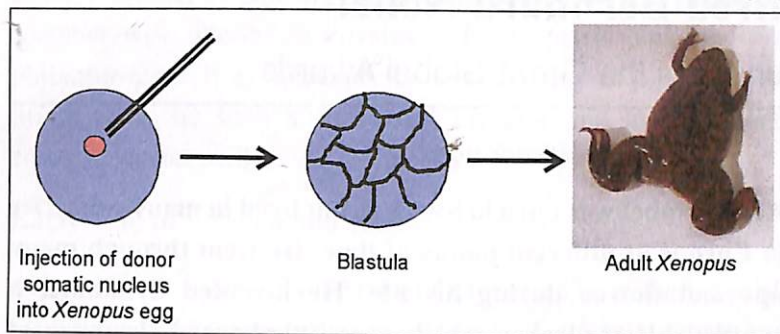
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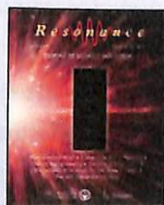
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Sequence of CCD images of the fluorescence from laser-cooled Ca^+ ions trapped in a linear Paul trap. (See article on p.522)

Courtesy: Guenter Werth's Group, University of Mainz, Germany.

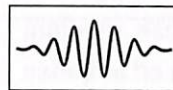
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Alfred Bernhard Nobel
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(Illustration: Subhankar Biswas)

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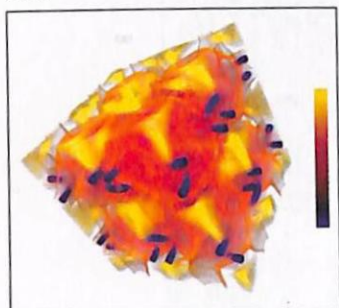


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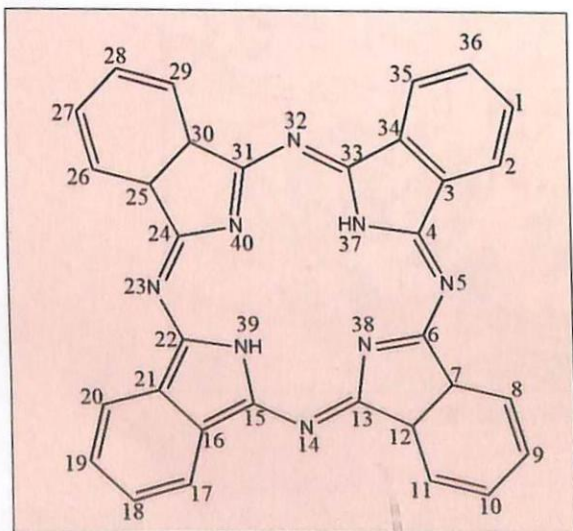
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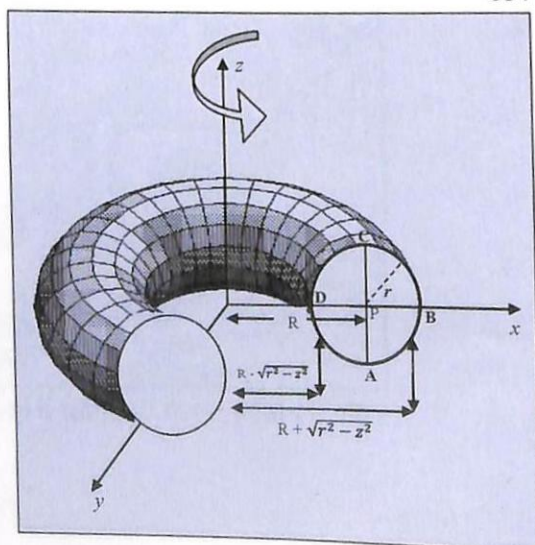
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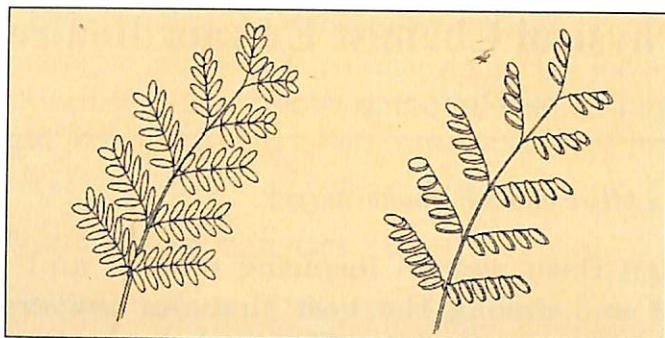
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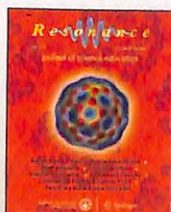
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Fascinating Organic Molecules from Nature

Sweet Stimulants of the Olfactory Nerves – Muscone, Civetone and Related Compounds

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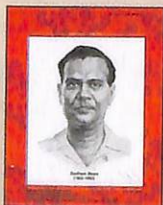
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The buckyball contains 60 carbon atoms. Algorithms developed at the Visualization and Graphics Lab in IISc help identify symmetric structures in the buckyball at different resolutions directly from the electron density distribution around the buckyball molecule.

(See article on p.615.)

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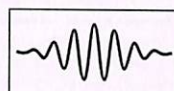


Sadhan Basu

(1922–1992)

(Illustration: Subhankar Biswas)

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Flowering Trees

Credit: R Arun Singh, IISc





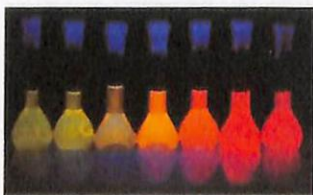
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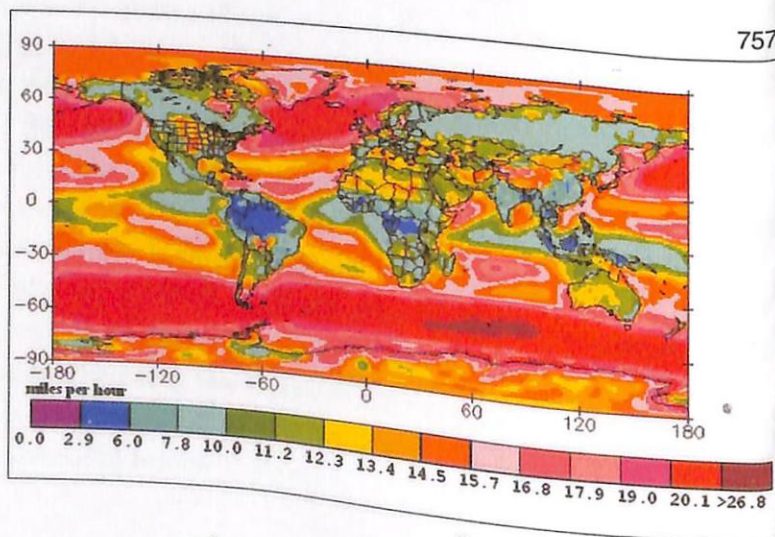
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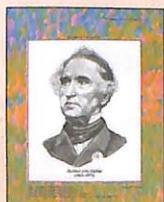
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Nelumbo nucifera Gaertn., the sacred lotus.
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 Photo Courtesy: Shrikant Ingalhalikar

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Justus von Liebig
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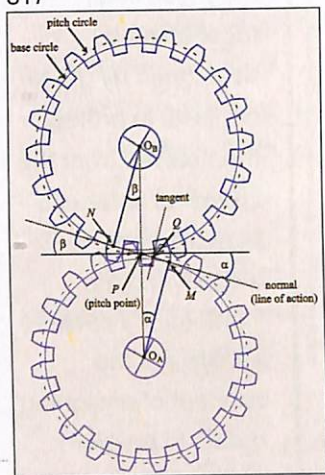
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Flowering Trees
 Credit: R Arun Singh, IISc



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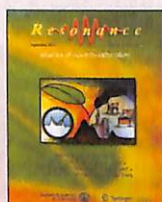
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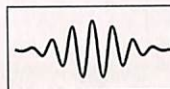
Circadian rhythms are endogenously generated close-to-24 h rhythms exhibited by organisms ranging from bacteria to humans and are governed by circadian clocks. Earth's rotation about its axis results in cycling of environmental variables (light, temperature and humidity) that synchronize circadian clock to various behavioral and physiological phenomena. (See article on p.832)
(Credit: Soham Saha, JNCASR)

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John Edensor Littlewood
(1885–1977)
(Illustration: Subhankar Biswas)

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Flowering Trees

Credit: R Arun Singh, IISc

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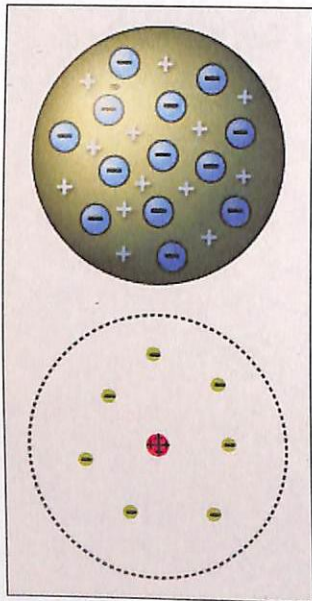
The title of the article by
G Ravikumar and
N B Vijayaprakash,
Resonance, Vol.18, No.8,
pp.748–755, 2013.

should be read as:

**Lipophorin Receptor: The
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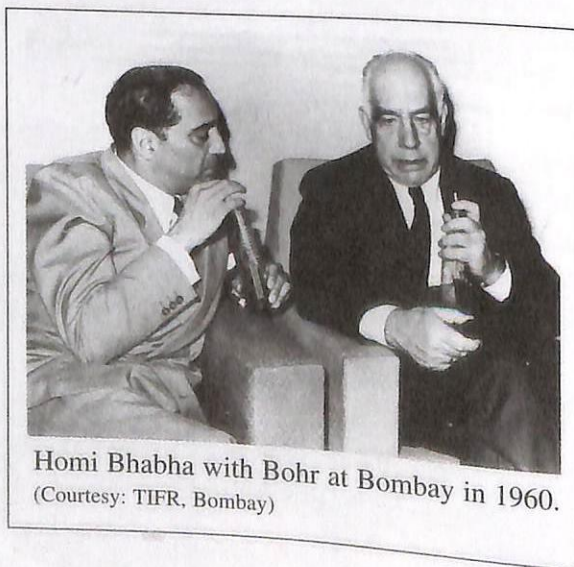


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Flowering Trees
Credit: R Arun Singh, IISc

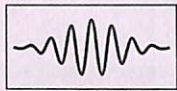


Homi Bhabha with Bohr at Bombay in 1960.
(Courtesy: TIFR, Bombay)





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Sketch made by Niels Bohr in 1944 to illustrate the content of his debate with Einstein on the uncertainty principle at the 6th Solvay Conference in 1930.

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Niels Bohr (1885–1962)
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(Courtesy: TIFR, Bombay)

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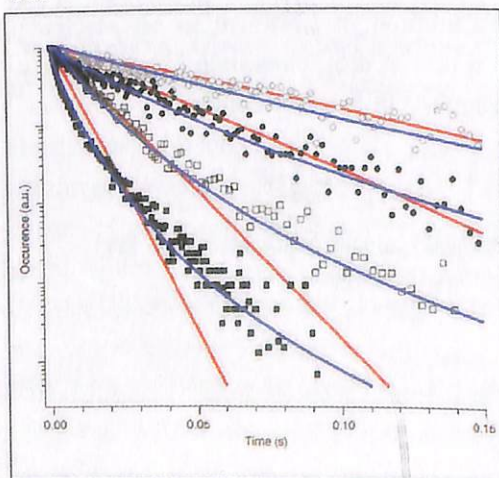
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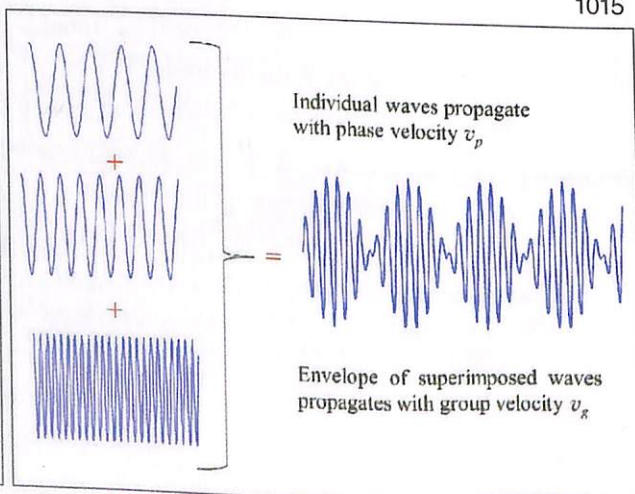
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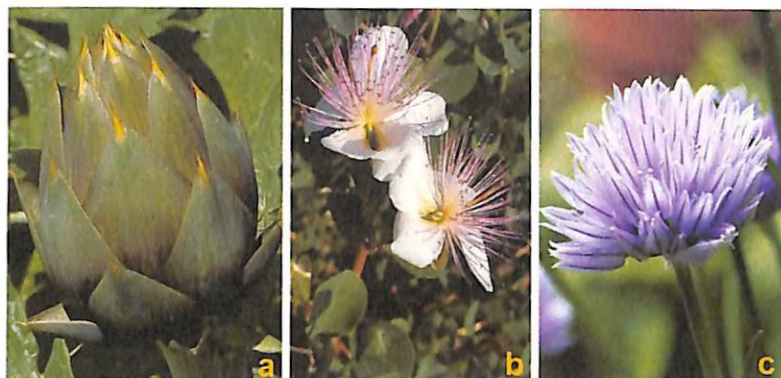
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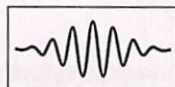
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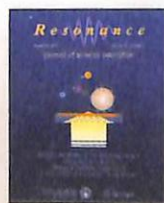
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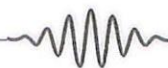


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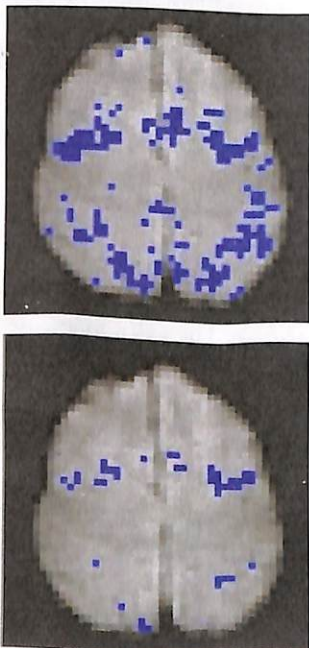
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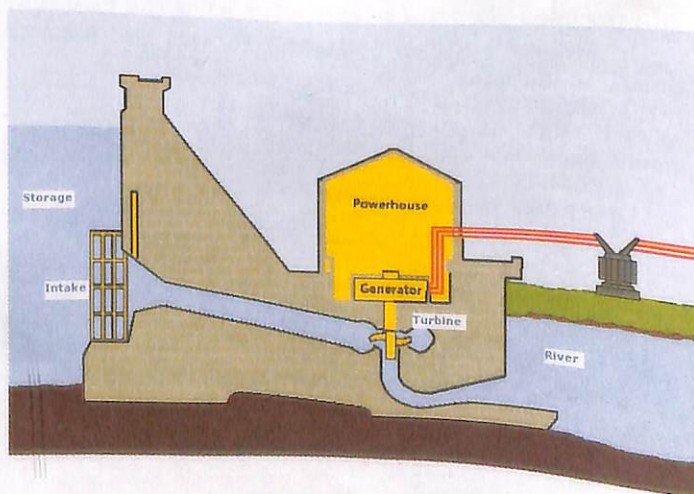
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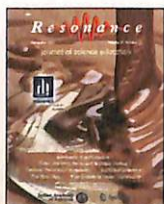
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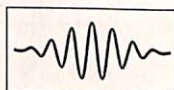
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