



Raman's World of Colours

SERIES ARTICLES

- 47 **The Immune System and Bodily Defence**
How Does the Immune System Generate a Truly Infinite Repertoire Capability?
Vineeta Bal and Satyajit Rath
- 48 **Know Your Personal Computer** *You and Your PC*
S K Ghoshal

GENERAL ARTICLES

- 49 **The Sun – Major Energy Resource for the Future**
Benny Joseph, K G Gopichandran and V K Vaidyan
- 56 **Ohm's Law, Kirchoff's Law and the Drunkard's Walk** *Related Electrical Networks*
Rahul Roy
- 58 **Conducting Polymers** *From a Laboratory Curiosity to the Market Place*
S Ramakrishnan
- 59 **Is Psychology a Science ?** Kamala V Mukunda

FEATURE ARTICLES

- 67 **What's New in Computers ?**
Evolving Video Compression Standard: MPEG
Vijnan Shastri



RESEARCH NEWS

97 **An Improved Bound on k -sets** Abhi Dattasharma

102 BOOK REVIEWS

- **The Mathematical Universe – An Alphabetical Journey Through the Great Proofs, Problems and Personalities**

Shashidhar Jagadeeshan

- **River Out of Eden**

Darwin Goes Digital: Old View, New Metaphor

J A Santosh

REFLECTIONS

107 **The Scientific Outlook**

C V Raman

Front Cover



Californian specimen of the *Haliotidae*, known locally as the abalone. Such shells are found in the waters around California and are most remarkable for displaying a vivid colouration of the mother-of-pearl lining of the shell. (Ref: Iridescent Shells – C V Raman. *Proc. Indian Acad. Sci. A1*. 567–573, 1934.)



Back Cover

Chandrasekhara Venkata Raman
(1888–1970)

DEPARTMENTS



Editorial 1
Chief Editor's column/
Gems *A K Ramdas*
Science Smiles
R K Laxman



Classroom 77
One, Two Three ... Infinity: A
Critical Appraisal
Rakesh Popli
A Route to Square Roots
and Cube Roots
Shailesh A Shirali



Think It Over 95
Barometer Problem/
Some Questions Con-
cerning Isotopes
J Chandrasekhar and
Uday Maitra



Information and 111
Announcements
1997 Nobel Prizes