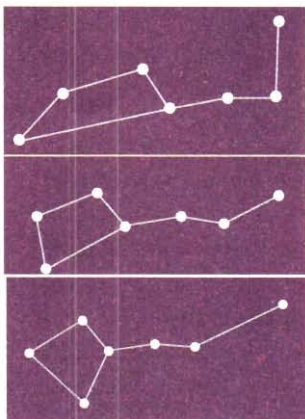


89



SERIES ARTICLES

6 Microscale Experiments in Chemistry – The Need of the New Millennium

Organic Qualitative Analysis and Mixture Separation on Microscale

Shrinivas L Kelkar and Dilip D Dhavale

GENERAL ARTICLES

13 Global Warming: A Myth?

Credibility of Climate Scenarios Predicted by Systems Simulations

Deepanjan Majumdar

22 Gödel's Explorations in Terra Incognita

Vijay Chandru

29 The Completeness Theorem of Gödel

An Introduction to Mathematical Logic

S M Srivastava

42 Nobel Prize 2000 in Physiology or Medicine

Trackers of the Slow Synaptic Phenomena in the Brain

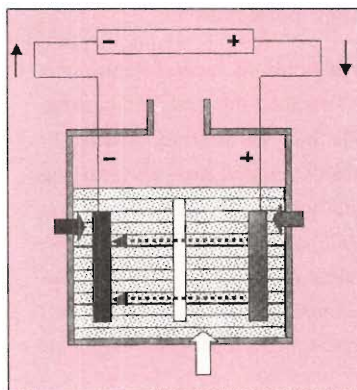
S K Sikdar

52 Electrochemical Power Sources

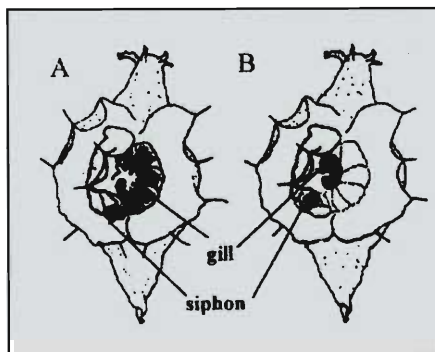
Rechargeable Batteries

A K Shukla and S K Martha

52



42



64 Living in a Chemical Environment – Persistent Organic Pollutants

Rashmi Sanghi

FEATURE ARTICLES

74 Nature Watch

Singapore's Jurong BirdPark: A Study Model

Abraham Verghese

89 Nature Watch

On Observing the Night Sky

P N Shankar and B S Shylaja

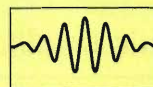
BOOK REVIEWS

97 Forever Undecided: A Puzzle Guide to Gödel

R Ramanujam



DEPARTMENTS



Editorial 1

Chief Editor's Column

V Rajaraman

Article-in-a-Box

Life and Work of Kurt

Gödel – A Brief Sketch

S M Srivastava



Information and Announcements 99

1. Refresher Course in Theoretical Physics
 2. Instructional School on Linear Algebra
- Sponsored by Indian Academy of Sciences

National Workshop on Coding Theory and Cryptography
(See inside back cover)

Front Cover



Rainbow parakeet (*Trichoglossus haematodus*). A colourful bird with long, narrow pointed tail. Found from East Indies and Australia to Vanatu. Has a distinct flight silhouette.

(Photo Courtesy: S Sridhar, ARPS)

Back Cover



Kurt Friedrich Gödel

(1906 – 1978)

(Illustration by Thangapazham)

