

EDUDOC SERVICES

CURRENT CONTENTS

JANUARY- 2019



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Introduction

“Current Contents” prepared by Library and Documentation Division aims to identify the articles published in the learned journals received by the library in the month of January-2019.

Current Contents are arranged alphabetically under the broad subject headings. It gives the details about the name of the Journal, volume, issue month and year of publication. It will be our endeavour to bring out this as a reference tool, which will make our readers aware about the current contents available in different learned journals of their subject of interest.

Current Contents will be useful to our faculty members in selecting/recommending relevant articles for their research.

Keeping in mind the integration of ICT and Digitisation, attempt has been made to provide the Web-link of the current issues, which will facilitate the readers to access the articles, except the ‘*’ marked journal titles

We eagerly await to received your views and comments.

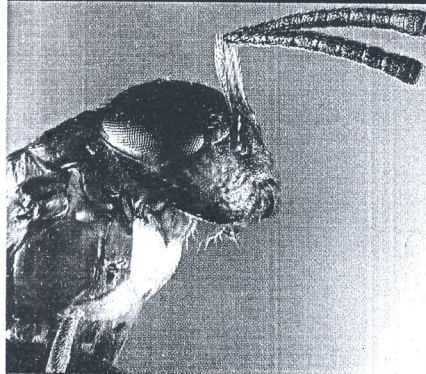
(Prof. Saroj Yadav)
Chairperson, LDD,
NCERT, New Delhi

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	Biology					
1.	American Biology Teacher	80	9	Nov-Dec	2018	1
2.	Biochemistry and Molecular Biology Education	46	6	Nov-Dec	2018	5
	Economics					
3.	Economist	429	9123 9125 9126	22 Dec 12 Jan 19 Jan	2018-19	22-27
4.	Economic and Political weekly	53	51	29 Dec	2018	19
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6.	International Journal of Educational Development	53 56 57 58 61		Mar Sep Nov Jan Jul	2017-18	34-38
7.	Journal of Educational Measurement	55	4	Winter	2018	46
	Educational Psychology					
8.	British Journal of Educational Psychology	88	4	Dec	2018	6
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10.	International Journal of Educational Research	87 92		Jan Dec	2018	39-41
	Educational Technology					
11.	Computers and Education	111 114		Aug Nov	2017	10-13
	Environmental Education					
12.	Resurgence & Ecologist		311	Nov/Dec	2018	65-66
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14.	Geohumanities	4	2	Dec	2018	29
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17.	Indian Literature: Sahitya Akademi's Bi-Monthly Journal	62	6(308)	Nov-Dec	2018	31-32
18.	Language Forum: A Journal of Language and Literature	44	1-2	Jan-Dec	2018	54
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22.	<u>Pramana: Journal of Physics</u>	91	6	Dec	2018	62-63
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THE AMERICAN BIOLOGY TEACHER



About Our Cover

This cover features the wasp *Encyrtus fuscus*, which is a little under a millimeter and a half long. Though small, this wasp is mighty, in that it helps keep cities green. *E. fuscus* is a parasitoid, which means it lays its eggs inside other insects, and when its larvae hatch, they eat the insect from the inside out. By killing insects that eat plants, parasitoids protect plants that people care about all over the world, from cities to greenhouses and farmlands.

Very little is known about *Encyrtus fuscus*. Like most insects, its small size makes understanding where it goes and what it eats difficult. However, scientists do know that *E. fuscus* and its relatives play a strong role in controlling pest "scale insects." Scale insects are a group of pests that damage trees that line our streets and clean the air in urban areas, where most people in the world live. The wasp in this photo was reared from a scale insect and then quickly photographed as it emerged as an adult. No matter where you live in the world, parasitoids are emerging from other insects and spiders all around you, though they are often too small to notice.

This photo was taken in the NCSU Department of Entomology by Emily Meineke, Ph.D., who is a postdoctoral fellow at the Harvard University Herbaria, and Andrew Ernst, who is a lab technician at BASF. The camera was an Olympus P72. We used an Olympus CX41 trinocular scope and lenses with a long working distance so we could use brightfield light as opposed to transmitted light.

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Biblio: A Review of Books

Forthcoming in Biblio

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My Father's Garden by Hansda
Sowvendra Shekhar

Elevation by Stephen King

These Were My Homes
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Non Fiction:

Why I Am a Liberal
by Sagarika Ghose

Ayodhya by Valay Singh

Emergency Chronicles
by Gyan Prakash

*Intertwined Lives: PN Haksar
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The Case for Reason
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The Twice-Born by Aatish Taseer

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Modern South India
by Rajmohan Gandhi

*India, Empire and First World
War Culture* by Santanu Das

Fortune's Soldier
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The section on Wildlife & Ecology is being published with the support of CYRUS GUZDER AND THE JAMSHED AND SHIRIN GUZDER TRUST.

COVER: A Scarlet Finch in Sikkim, India. Photograph by LATIKA NATH.

From the book *A HIDDEN INDIA: A Journey to Where the Wild Things Are*; photographs by Latika Nath; text by Shloka Nath; published by Limited Editions, an imprint of Academic Foundation, 2018.

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Handwritten signature and date: 07/11/2018

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उत्कृष्टता और प्रत्येक प्रमाण
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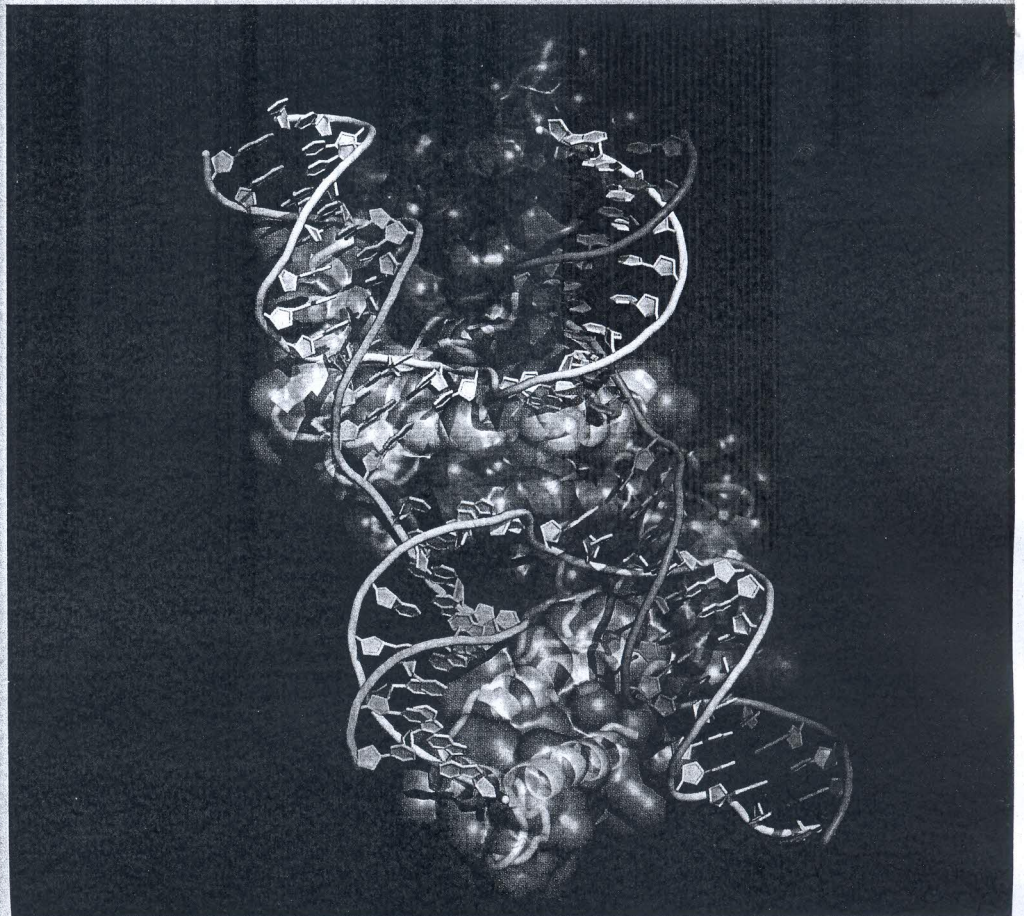
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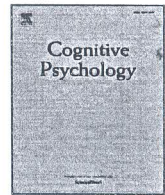


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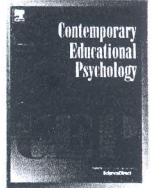
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Middle left provided by Tiago Pereira from '**Synchronisation of chaos and its applications**', Contemporary Physics (2017) 58:3, 207-243, Figure 1. Illustration of the chaotic dynamics of the Lorenz system (14) with parameter values $\sigma = 10$, $\rho = 28$ and $\beta = 8/3$. Representation of the trajectory of $(x, y, z) = (-10, 10, 25)$ in the phase space. The shape of the attractor resembles a butterfly.

Middle right provided by P. R. T Munro from '**Coherent X-ray imaging across length scales**', Contemporary Physics (2017) 58:2, 140-159, Figure 14b. A single slide of a graphite electrode employed in a lithium-ion battery from the 3D phase absorption data-set. Images contributed by O. Taiwo, adapted from data reported in [Taiwo OO, Finegan DP, Gelb J, et al. The use of contrast enhancement techniques in X-ray imaging of lithium ion battery electrodes. Chem Eng Sci. 2016;154:27-33.]

Bottom right provided by James L. Pinfold from '**MoEDAL - a new light on the high-energy frontier**', Contemporary Physics (2017) 58:1, 1-24, Figure 4. Passage of a magnetic monopole (north pole) through a superconducting toroid.

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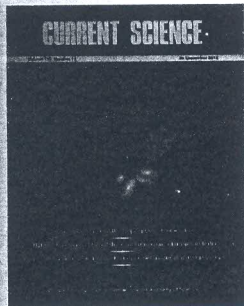
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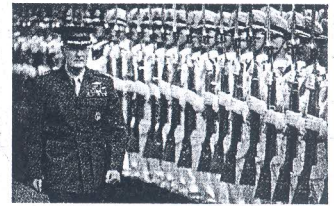
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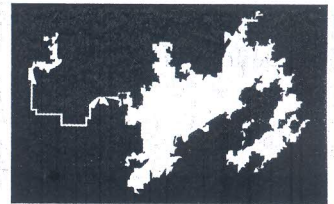
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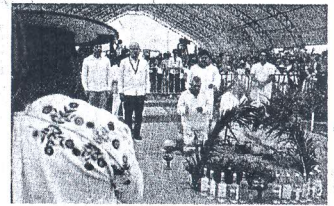
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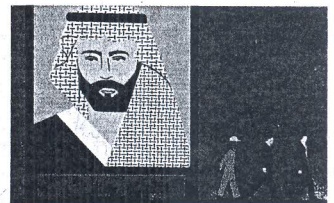
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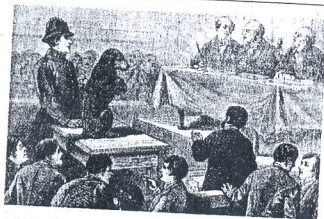
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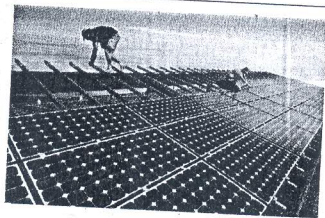
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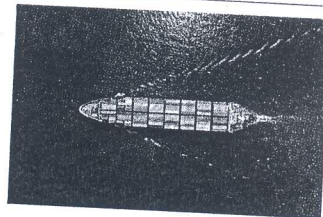
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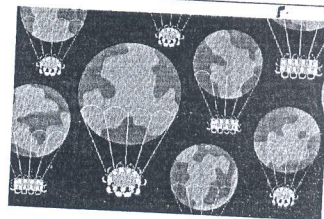
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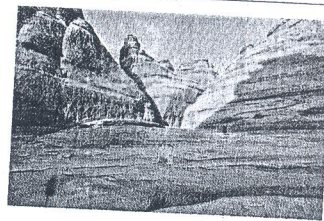
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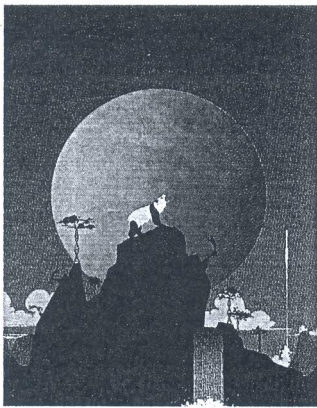
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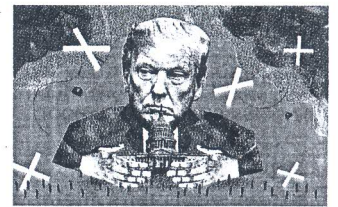
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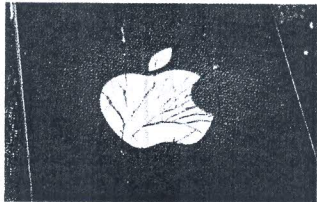
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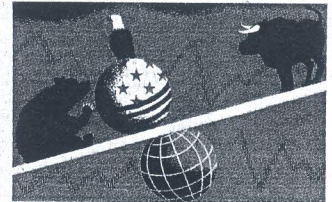
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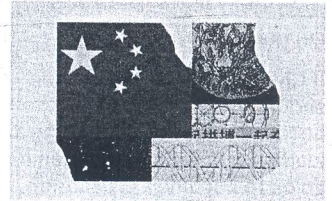
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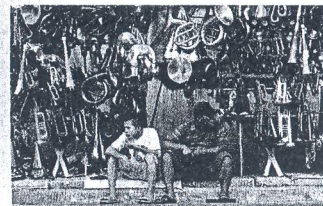
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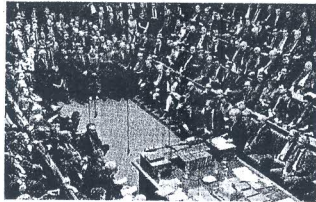
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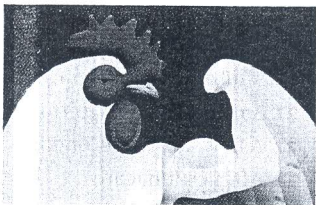
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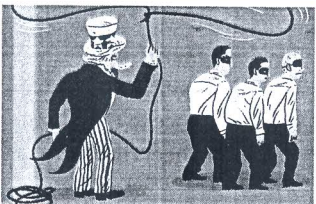
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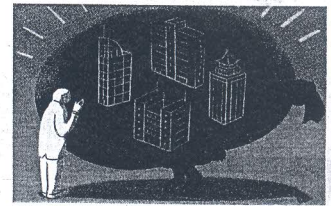
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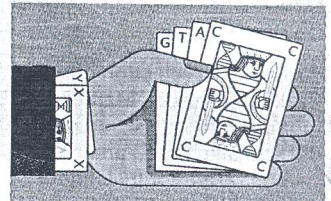
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About the Artist: Andrew Dunn was diagnosed with dyslexia when he was nine years old, and he has attended the Luke Waites Center for Dyslexia at Texas Scottish Rite Hospital for Children for the last year and a half. Andrew is creative but would sometimes get frustrated when his art would not turn out the way he wanted it to. His dad and mom kept encouraging him to persevere, and one day, watching Bob Ross on Netflix, Andrew completed his first oil painting. He named it "Icebound Lands" because it reminded him of a land in a book he was reading at the time. For Andrew, reading and art both show that he can overcome difficulties. He is not afraid to try something new, because he has learned he may discover something new about himself!

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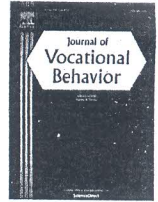
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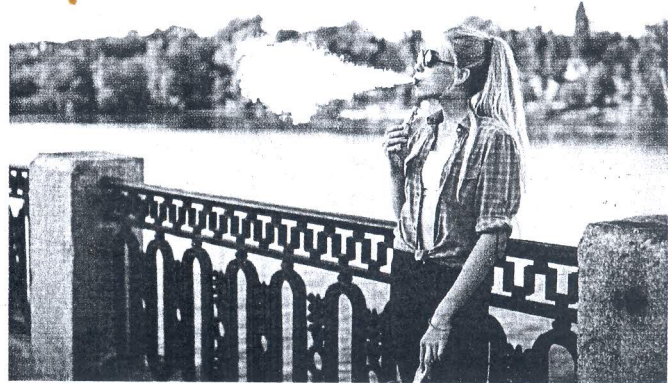
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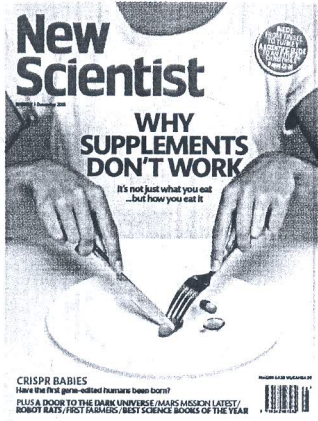
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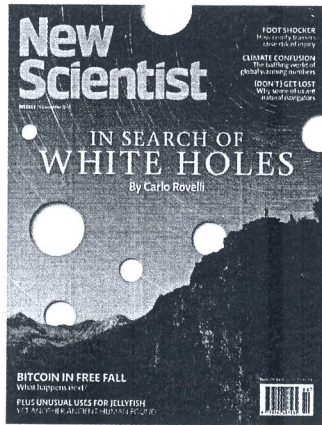
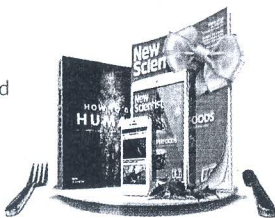
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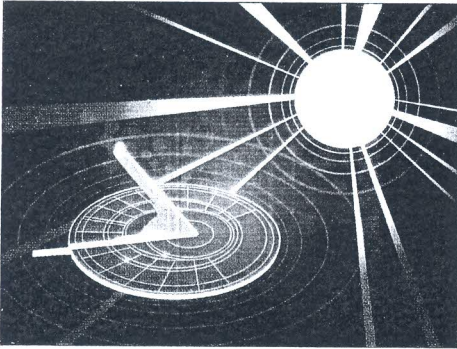
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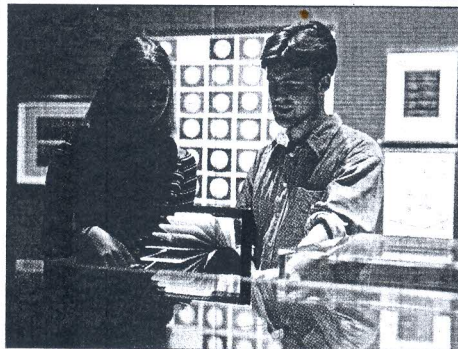
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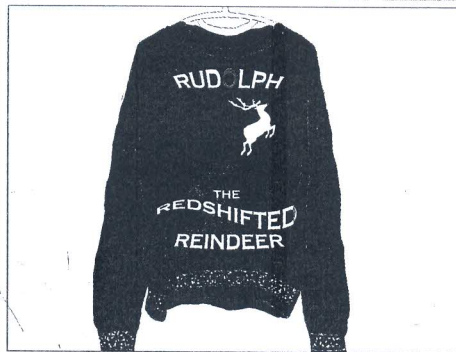
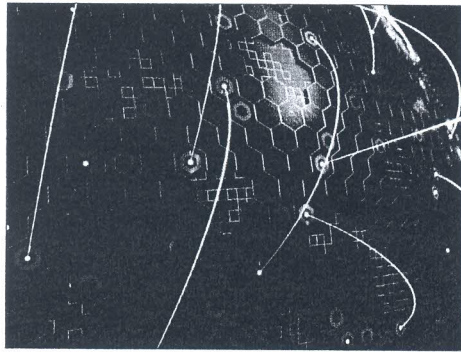
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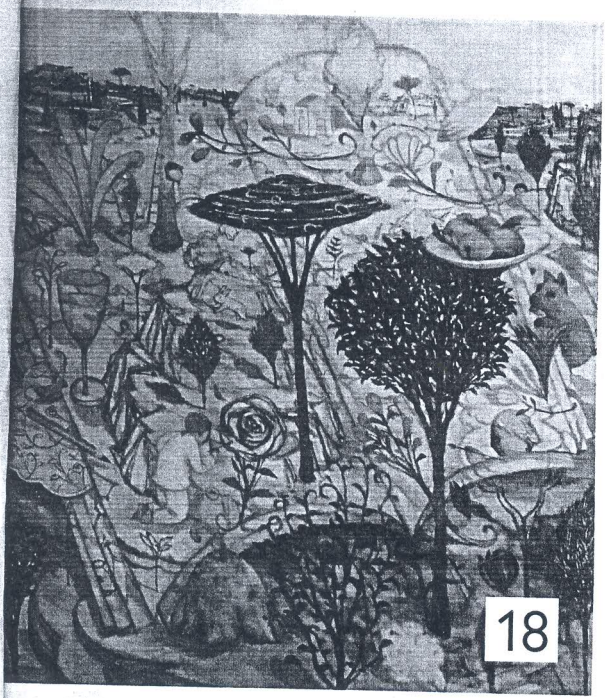
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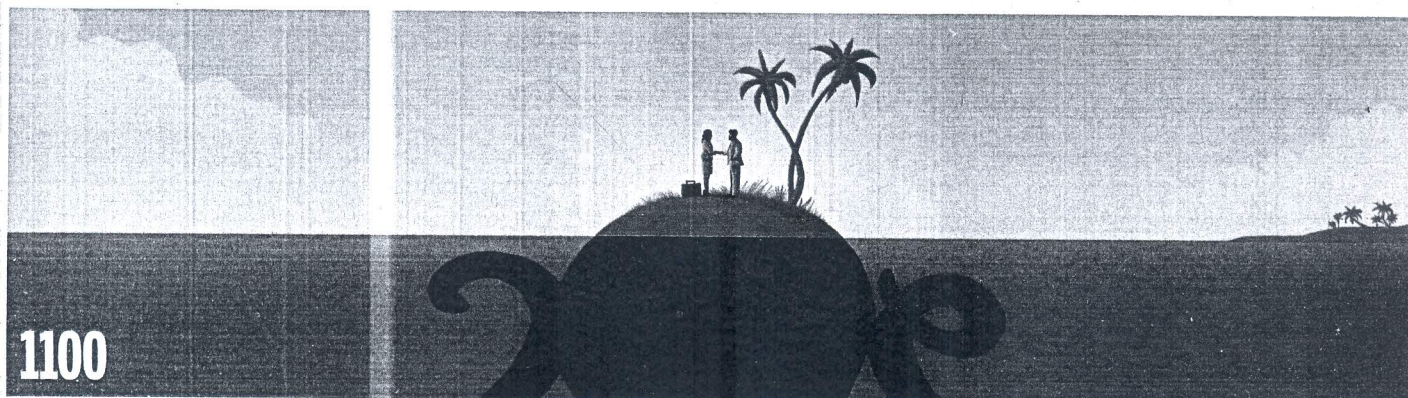


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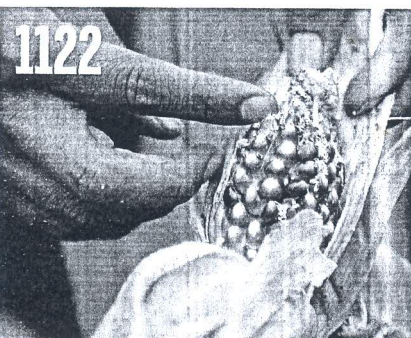
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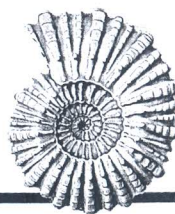
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Starting from random play and given no domain knowledge except the game rules, the AlphaZero program taught itself to play chess, shogi, and Go, defeating a world champion program in each

game. Blue translucent pieces represent AlphaZero's possible moves; percentages indicate the predicted outcome. A single algorithm that can master several complex problems is an important step toward creating a general-purpose machine learning system to tackle real-world problems. See pages 1087, 1118, and 1140.

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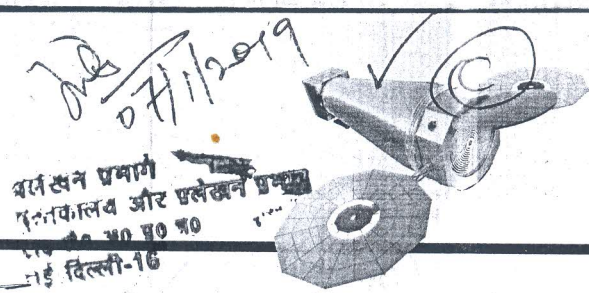
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by the PsychENCODE Consortium. This issue sheds light on neurogenetic and epigenetic variation in developing and adult neurotypical brains, as well as in schizophrenia, autism spectrum disorder, and bipolar disorder. See page 1262.

Illustration: V. Altounian/Science

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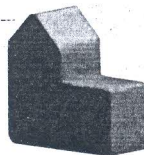
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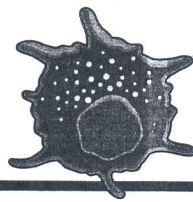
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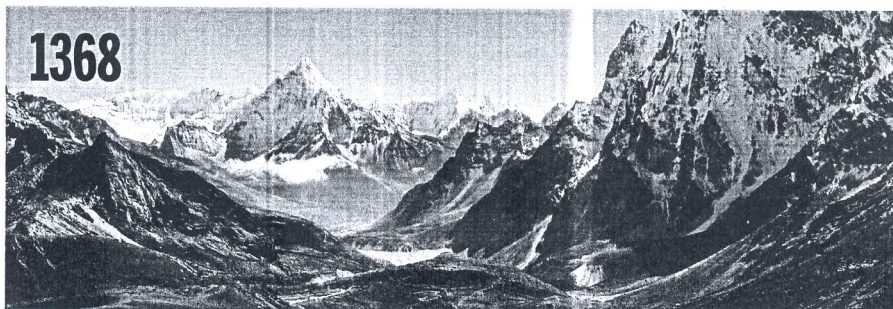
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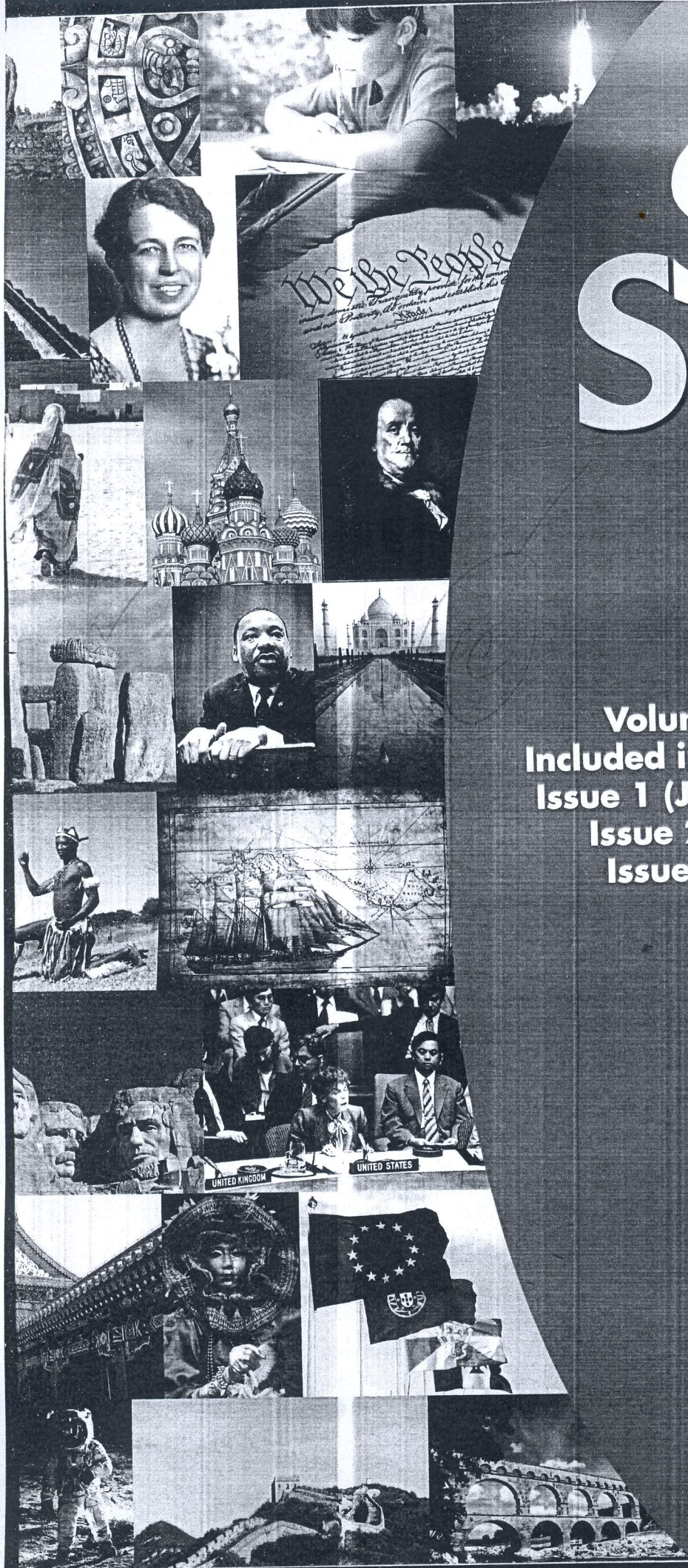
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