

Contents

8	Foreword Johannes Vogel	68	As Good as the Real Thing Hannelore Landsberg
10	Introduction: Things of Nature and the Nature of Things A. Hermannstädter, I. Heumann and K. Pannhorst	72	Schönlein's Handsome Horsetail Barbara Mohr
28	Heaven Sent Ansgar Greshake	74	The Case of the Wheatear, Reopened Sylke Frahnert
30	Genuine Fakes Christian Neumann	76	Feathers Fit for an Emperor Miriam Junghans
32	Indian Gold for Saxon Starfish Thilo Habel	78	The Cursed Castellan Ansgar Greshake
36	Veteran of the World Wars Sylke Frahnert	80	Dead or Alive Britta Lange
38	Captain Cook and the Ou Frank D. Steinheimer	84	Gilt for Gold Ferdinand Damaschun
42	Fossilized Flowers Gottfried Böhme	86	A Patient Box of Mud Ingo Löppenberg
44	A Nicer Kind of Vulture Katrin Böhme	88	A Missed Opportunity Anita Hermannstädter
46	A Bold Decision Thilo Habel	90	An Artwork of Nature Mona Wischhoff
50	"Ew, these fish stink!" Richard Lesser	92	Amalie's Taipan Matthias Glaubrecht
52	Testament to a Vagabond Past Ferdinand Damaschun	96	The Gaze of the Quagga Maria Graf
54	"And Adam called by their names all living things" Georg Toepfer	98	A Specimen in Sepia Heike Hartmann
56	On the Tragedy of Making New Discoveries Ferdinand Damaschun	100	<i>BathypHYSA abyssorum</i> Carsten Lüter
58	Food for Thought, Not for Dinner Yuko Takigawa and Tetsuo Yoshino	102	Fledged Too Soon Hanns Zischler
60	State of the Art Andreas Christoph	104	A Gem among Spiders Anja Friederichs
62	Fish or Fowl? Yvonne Maaß	106	The Puzzling Proboscis Antje Kegel
64	The Trouble with Doubles Ina Heumann	108	Glass Worm Florian Huber

110	Moths, Reunited David Ziegler	164	Zombified Christina Kuhlmann
114	Triton, the Educational Snail Jutta Helbig	166	A Six-Legged Aphrodisiac Elisabeth Huwer
118	The Immortal Gaze of the Donor Carsten Kretschmann	168	Black for Good Luck Mark Benecke
120	Quarrel over Nautilus Elisa Schmitt	170	As Good as a Fern Renate Künast
122	Precious Dirt Charles Oliver Coleman	172	The Eyes Have It Clara Probst
124	On the Trail of the Giant Sloth Axel Straschnoy	174	Remembering Bobby Dagmar Behrendt
126	Devil of the Deep Peter Bartsch	176	Eye to Eye with Nature Sarah Darwin
128	The Perks of Old Tech Eva Patzschke and Wolfram Mey	180	Swastika in the Rainforest Holger Stoecker
130	A Wonder from Down Under Peter Giere	184	Western Menace Thilo Habel
132	A Shrine for Water Mites Anja Friederichs	188	The Day We Found a Treasure Sami Maazouzi
134	The Best Animal Architects on Earth David Ziegler and John W. Wenzel	190	"Tu-whit, tu-whoo" Karl-Heinz Frommolt
138	Giant among Dwarfs Daniela Schwarz	192	Death Mask for a Fox Sophia Gräfe
140	Let There Be Order Michael Ohl	194	A Gift of Uranium Rainer Karlsch
144	An American in Berlin Lukas Rieppel	196	The Wombat and the Mayor Klaus Wowereit
148	Only Second Best Kerstin Pannhorst	198	Enchanted Katrín Böhme
152	The Spy Who Saved the World Polina Aronson	200	Trophies from Fidel Anita Hermannstädter
156	Comrade Dinosaur Ina Heumann	204	The Devil from Hell Creek Antonia Howe
160	German Identity in 3 Dimensions Susanne Köstering	206	Telling the Future with Microfossils David Lazarus

208	Layer by Layer Peter Bartsch	260	Virtual Skull, Real Bump Julia M. Fahlke
212	Diamonds from Deutschland? Ralf Thomas Schmitt	262	Fraukeson – Son of Frauke Linus Günther
214	Big Little Amphipod Charles Oliver Coleman	264	World's Cutest Diplomat Kerstin Pannhorst
216	Otherworldly Creatures Denise Bode	266	E.T. Was Here Patrice Tristan Zaag
218	The Art of Science Peter Giere	268	Looking Sharp David Ziegler
222	Life in Perpetual Darkness Hannelore Hoch	272	Learning to Love Daphnia Oskar Neumann
226	Diving with Shrimps Kristina von Rintelen	274	<i>T. Rex</i> – Still Terrifying Linda Gallé and Uwe Moldrzyk
228	Inspiring Bones Doris Leue	276	Meet the Stalk-Eyed Signal Fly Bernhard Schurian
230	A Kingdom of Equals Georg Toepfer	278	Echoes of the Past Anita Hermannstädter
234	Looking at a Panther Saskia Malkow	280	A Skin to Save All Skins Christiane Quaisser and Steffen Bock
236	Named by Muggles Michael Ohl	282	The Needle and the Nightingale Sarah Darwin
240	Looking into the Past Jochen Hennig	284	Guaranteed Not to Bite Tina Schneider
242	Time, Preserved Stephen Cave	286	Online in Three Dimensions Bernhard Schurian and Frederik Berger
246	Odour and Rumour Yoko Tawada	290	Image information and credits
248	Cixiid and the Particle Accelerator Mathias Zilch	291	Author biographies
250	Junior Scientists Joanna, Jannik and Erik Block	298	Bibliography
254	In Search of the Hairy Grail Johannes Penner		
256	Remains of a Cosmic Catastrophe Wolf Uwe Reimold		