

CENTURY OF THE CHILD: GROWING BY DESIGN, 1900–2000

Designers of the modern period have done some of their most innovative work with children in mind. *Century of the Child: Growing by Design, 1900–2000* brings together an unprecedented collection of objects and concepts from around the world in order to investigate the fascinating confluence of modern design and childhood. The wide-ranging ideas described here—from the beginning of the kindergarten movement to wartime propaganda, from design for children with disabilities to innovations in playground design—illuminate how progressive design has shaped the physical, intellectual, and emotional development of children and, conversely, how models of children’s play and pedagogy have inspired designers’ creative experimentation.

The title *Century of the Child* is borrowed from the Swedish design and social theorist Ellen Key, whose landmark book of the same name, published in 1900, forecast a new preoccupation with the rights,

development, and well-being of children that has only grown over the decades since. Her book provides the launching point for this one, which includes sixty-five short essays on school architecture, playgrounds, toys and games, educational materials, nurseries, furniture, animation, advertising, books, and clothing. An introductory essay by Juliet Kinchin gives historical context to this kaleidoscopic narrative of ideas, practitioners, and artifacts. Together with more than four hundred illustrations, these texts examine individual and collective visions for the material world of children.

JULIET KINCHIN is Curator of Modern Design in the Department of Architecture and Design at The Museum of Modern Art.

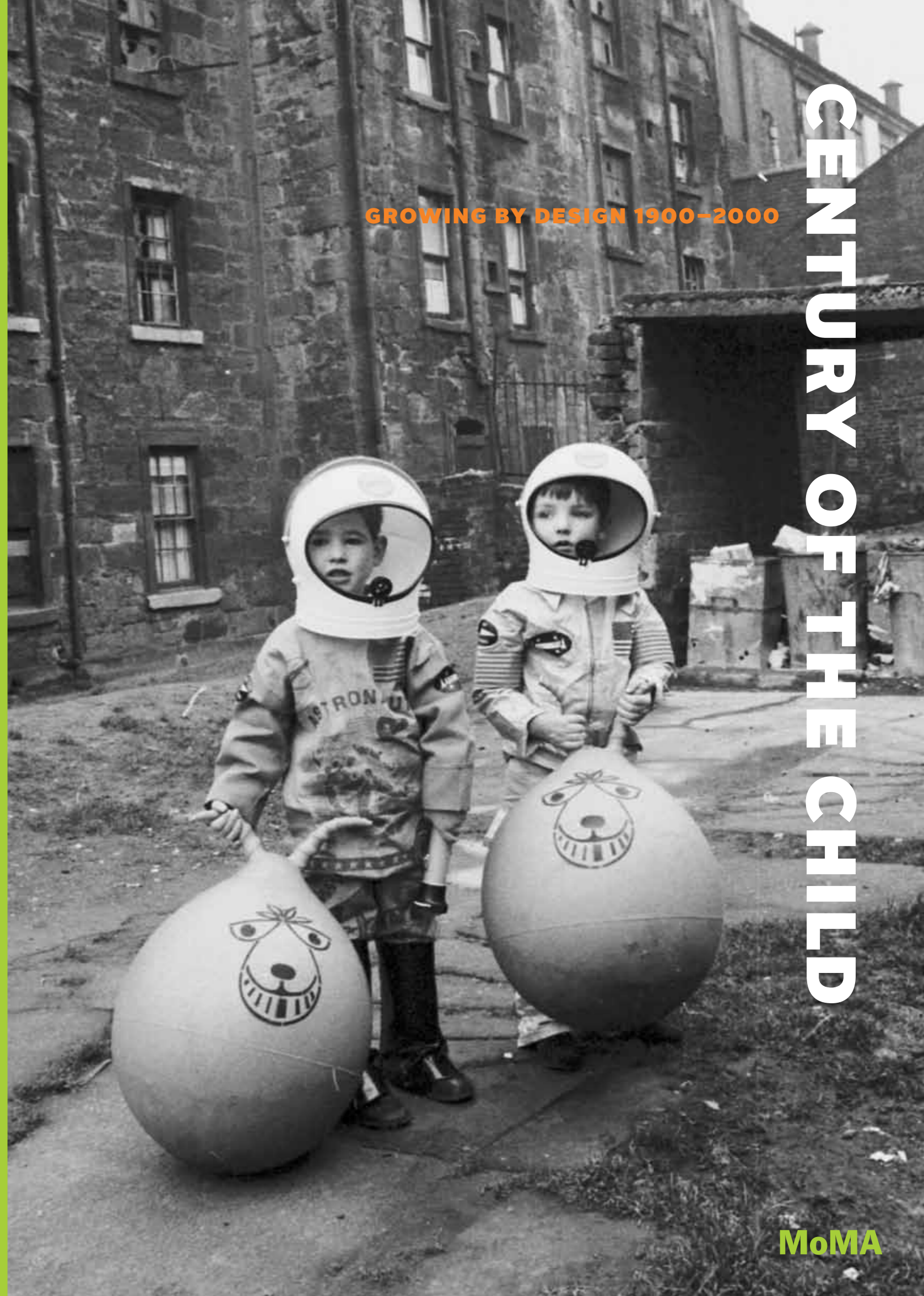
AIDAN O’CONNOR is a Curatorial Assistant in the Department of Architecture and Design at The Museum of Modern Art.



CENTURY OF THE CHILD

KINCHIN
O’CONNOR

MOMA



GROWING BY DESIGN 1900–2000

CENTURY OF THE CHILD

MoMA



GROWING BY DESIGN 1900–2000

CENTURY OF THE CHILD

JULIET KINCHIN | AIDAN O'CONNOR

With contributions by

KATE CARMODY, TANYA HARROD, PABLO HELGUERA, MEDEA HOCH, FRANCIS LUCA, MARIA PAOLA MAINO,
AMY F. OGATA, DAVID SENIOR, AND SARAH SUZUKI

Published in conjunction with the exhibition *Century of the Child: Growing by Design, 1900–2000* at The Museum of Modern Art, New York, July 29–November 5, 2012, organized by Juliet Kinchin, Curator, and Aidan O’Connor, Curatorial Assistant, Department of Architecture and Design.

Major support for the exhibition is provided by Lawrence B. Benenson.

Additional funding is provided by the Nordic Culture Fund, Lily Auchincloss Foundation, Inc., the Barbro Osher Pro Suecia Foundation, and Marimekko.

Support for the publication is provided by The International Council of The Museum of Modern Art and the Jo Carole Lauder Publications Fund of The International Council of The Museum of Modern Art.

Edited by Emily Hall and Libby Hruska
Designed by McCall Associates, New York
Production by Marc Sapir
Printed and bound by Asia One Printing Limited, Hong Kong

Medea Hoch’s essay “Performing the Modern: Swiss Puppets” was translated from the German by Catherine Schelbert.

Maria Paola Maino’s essay “Italy: The Unruly Child” was translated from the Italian by Marguerite Shore.

This book is typeset in FF Kievit and Alright Sans. The paper is 157gsm Gold East matt.

© 2012 The Museum of Modern Art, New York
Certain illustrations are covered by claim to copyright cited on page 263 in this volume.
All rights reserved.

Individual works of art appearing in this volume may be protected by copyright in the United States of America or elsewhere, and may not be reproduced without the permission of the rights holders. In reproducing the images contained in this publication, the Museum obtained the permission of the rights holders wherever possible. In any instances where the Museum could not locate the rights holders, notwithstanding good faith efforts, it requests that any contact information concerning such rights holders be forwarded, so that they may be contacted for future editions.

Library of Congress Control Number: 2012937353
ISBN: 978-0-87070-826-8

Published by The Museum of Modern Art
11 West 53rd Street, New York, New York 10019
www.moma.org

Distributed in the United States and Canada by ARTBOOK | D.A.P.
155 Sixth Avenue, 2nd Floor, New York, New York 10013
www.artbook.com

Distributed outside the United States and Canada by Thames & Hudson Ltd
181A High Holborn, London WC1V 7QX
www.thamesandhudson.com

Cover: Boys in a Glasgow back court show off their Christmas presents, which include astronaut suits and Space Hoppers. 1970. Published in *The Scotsman*. Photograph by Gordon Rule. Licensor SCRAN, Glasgow. See p. 187

Front endpapers: Harry Callahan. *Untitled*. c. 1953. Gelatin silver print, 5⁵/₁₆ x 8¹/₈" (13.5 x 20.6 cm). The Museum of Modern Art, New York. Gift of the photographer. See p. 27

Clarence H. White. *Drops of Rain*. 1903. Platinum print, 7⁵/₈ x 6" (19.4 x 15.2 cm). The Museum of Modern Art, New York. Gift of Mrs. Mervyn Palmer

Page 1: Toyen (Marie Cerminová). Newsboy with paper and rotary press, original drawing for plate 17 from *Náš svět* (Our world), a collection of poems for children by Zdenka Marčanová. c. 1934. Ink and watercolor on paper, 10 x 9" (25.4 x 22.9 cm). Cotsen Children’s Library, Princeton University Library

Page 2: Tadanori Yokoo. *NFC*. 1997. Silkscreen, 39⁹/₁₆ x 28³/₄" (103.1 x 72.8 cm). Published by NFC, Tokyo. The Museum of Modern Art, New York. Gift of the designer

Page 248: Pikotron Electronic Circuit toy. 1971. Various materials, 2³/₁₆ x 13³/₄ x 9¹/₁₆" (5.5 x 35 x 23 cm). Manufactured by PIKO, Sonneberg, Germany (est. 1949). The Museum of Modern Art, New York. Gift of Christian Zoellner

Back endpapers: Detail from *Stahlromöbel* (Tubular steel furniture), loose-leaf sales catalog for Thonet Company showing Marcel Breuer’s B3,41/2 chair and B53 table. 1930–31. Lithograph, gravure, and letterpress, 8³/₈ x 6¹/₈" (21.3 x 15.6 cm). Published by Thonet International Press Service, Cologne. The Museum of Modern Art, New York. Department of Architecture and Design Study Center. See p. 96

Jens S. Jensen. *Boy on the Wall, Hammarkullen, Gothenburg*. 1973. Gelatin silver print, 9⁷/₁₆ x 11³/₄" (24 x 29.8 cm). The Museum of Modern Art, New York. Gift of the artist. See p. 27

Back cover: Roger Limbrick. Space Station and Space Rocket cardboard toys. 1968. Fluted cardboard, with silver foil and flexographic print design, rocket: 59 x 38" (150 x 96 cm). Manufactured by Polypops Products Ltd, London. Photograph by Timothy Quallington. Design Council/University of Brighton Design Archives. See p. 185

Printed in Hong Kong

CONTENTS

6 FOREWORD

7 ACKNOWLEDGMENTS

JULIET KINCHIN 10 HIDE AND SEEK: REMAPPING MODERN DESIGN AND CHILDHOOD

• | 28 NEW CENTURY, NEW CHILD, NEW ART

29 Introduction | 30 The Kindergarten Movement: Building Blocks of Modern Design | 36 Glasgow: Children in the City Beautiful
40 Chicago: Progressive Era Laboratory | 44 Comics and Early Animation | 47 Rome: Modern Arts, Crafts, and Education
50 Living in Utopia: Children in the Gödöllő Arts and Crafts Colony | 54 Vienna: Drawing Out the Child Within

•• | 58 AVANT-GARDE PLAYTIME

59 Introduction | 60 The Crystal Chain and Architectural Play | 63 Performing the Modern: Swiss Puppets | 66 Italy: The Unruly Child
70 De Stijl, Children, and Constructivist Play | 74 Bauhaus Play and Pedagogy | 79 “Colorful, Specific, Concrete”: Soviet Children’s Books
84 Manufacturing the Artistic Toy: Joaquín Torres-García and Ladislav Sutnar

•• | 88 LIGHT, AIR, HEALTH

89 Introduction | 90 The Healthy Body | 95 At Home with Modernism | 99 The New School | 105 “A Setting for Childlife”: The New School in the United States | 108 Grete Lihotzky: From Vienna to Ankara | 111 Ernő Goldfinger and the Abbatts: From Toys to Urban Health
114 To the Mountains and the Sea | 118 Urban Health: Two Centers

•• | 120 CHILDREN AND THE BODY POLITIC

121 Introduction | 122 Pioneering the Revolution: Children in Soviet Russia | 125 Who Has the Youth, Has the Future: The German Youth Movement | 127 Italy: Colonial Adventurers | 130 The Japanese Military Child | 132 A New Deal for Youth | 135 “Sincerely Themselves”: Child Art in Britain and Colonial West Africa | 138 “This Is How the World Looks, My Child”: Friedl Dicker in Vienna and Auschwitz
141 Children and the Spanish Civil War | 143 Growing Up in the Shadow of World War II: Children’s Books and Games | 147 Processing Trauma

••• | 150 REGENERATION

151 Introduction | 152 “Children Asking Questions”: Regeneration by Design | 156 New Starts: Japan and Poland | 161 Reclaiming the City: Children and the New Urbanism | 166 Back to School | 171 Good Toys | 175 The Modern Playroom | 180 “Developing Creativeness in Children”: Victor D’Amico at MoMA

••• | 182 POWER PLAY

183 Introduction | 184 Space Wars | 189 Disneyland | 191 Pop and Play | 195 Italy: A New Domestic Landscape for Children
199 Retail Fantasies | 201 Marketplace Modern | 204 McDonald’s | 206 *Pee-wee’s Playhouse* | 208 Less Is More: Technology and Toys
211 Japanese Youth Culture and Childhood

••• | 214 DESIGNING BETTER WORLDS

215 Introduction | 216 Deschooling Society | 220 Every Child Should Have a Hundred Parents | 222 Dismantling the Museum
224 Reggio Emilia Children | 226 Design for the Real World | 230 Classroom Without Walls | 233 Inclusive, Therapeutic, and Assistive Design for Children | 237 Design and the Universal Child | 242 The Playground Revolution

249 NOTES

257 FURTHER READING

259 INDEX

264 TRUSTEES OF THE MUSEUM OF MODERN ART

CHILDREN HAVE HAD A PLACE at The Museum of Modern Art from almost the very beginning. The Museum's first exhibitions and acquisitions in design and architecture, in the early to mid-1930s, were soon followed by the launch of the Educational Project in 1937 and the enfold- ing within the Museum of the Young People's Gallery in 1939. MoMA's distinguished exhibition history has since included unique presentations that explore the ways that these areas overlap and inform each other. Exhibitions of art and design both by and for children were especially numerous and diverse in the 1940s and '50s, including *Modern Architecture for the Modern School* (1942), *Original Illustrations of Children's Books* (1946), and *Teaching Elements of Design to Children* (1954).

Having all been — if not having helped to raise — children our- selves, we find design for children to be a subject that resonates univer- sally, yet this rich area has been underrepresented in scholarly inquiry and exhibition — until now. *Century of the Child: Growing by Design, 1900–2000* represents the first large-scale and synthetic effort to inves- tigate the many intersections of children and design, including toys and games, furniture and nursery interiors, playgrounds, school architec- ture and pedagogy, political propaganda, and urban planning. With its own renowned collections complemented by vital loans from generous institutions and individuals, MoMA is uniquely suited to presenting such a project. The Museum has always embraced characteristics shared by modernist artists, designers, and children — liberated innova- tion, unbridled creativity, even disobedience — and its dedication to the interconnectedness of the arts is mirrored in the interdisciplinary per- spective of this publication and the corresponding installation of works by both celebrated designers and lesser-known figures.

Century of the Child also extends MoMA's commitment, fore- grounded in the recent Modern Women's Project, to highlighting the contributions of women as architects, designers, teachers, critics, and social activists. I am grateful to the partners in research and lending who have made possible the formulating of new dimensions for familiar material and public recognition for the unfamiliar. Thanks to them, MoMA now has the honor of exhibiting works that have never before been seen in this country, from Germany, the Czech Republic, Hungary, Switzerland, and South Africa.

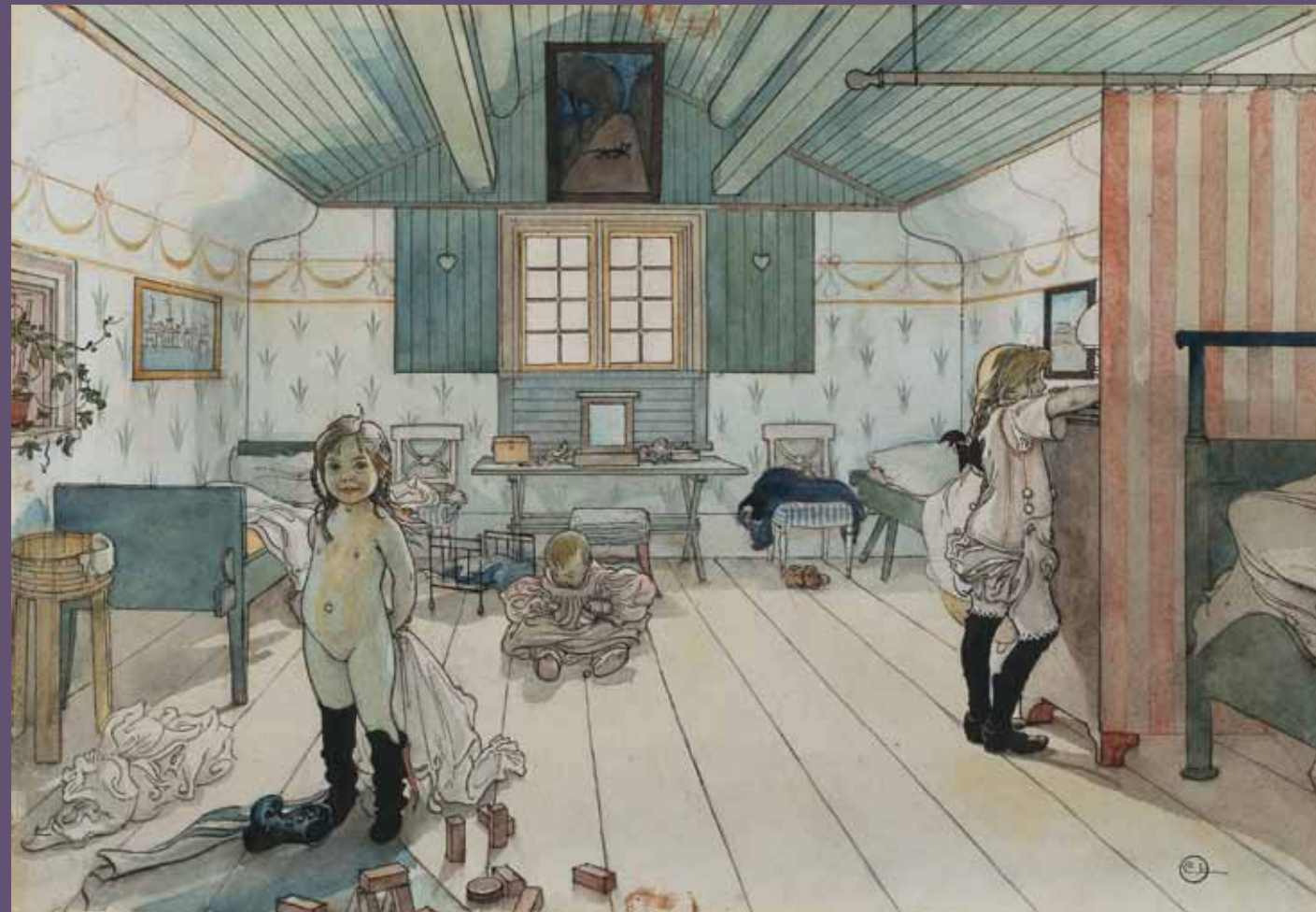
Juliet Kinchin, Curator in the Department of Architecture and Design, and Aidan O'Connor, Curatorial Assistant, have demonstrated great ambition in pursuing the scale and scope of this unprecedented exhibition, as well as a tenacity and freshness of perspective entirely appropriate to the subject of youth. I am grateful to them and to their

many colleagues at the Museum and collaborating supporters for their contributions to this multifarious project. On behalf of the staff and trustees of the Museum, I would like to especially thank Lawrence B. Benenson, for his major support in funding this exhibition, as well as the Nordic Culture Fund, Lily Auchincloss Foundation, Inc., the Barbro Osher Pro Suecia Foundation, and Marimekko, and for support for the publication, The International Council of The Museum of Modern Art and its Jo Carole Lauder Publications Fund.

Glenn D. Lowry

Director, The Museum of Modern Art, New York

HIDE AND SEEK: REMAPPING MODERN DESIGN AND CHILDHOOD



JULIET KINCHIN

IN SEARCH OF THE MODERN CHILD

Speaking solemnly to the camera in 1995 as part of the fictionalized documentary film *Children's Video Collective*, a young boy predicts, "In the future, children will cease to exist. As a social category, we will simply become irrelevant. My generation is likely the last generation of children. Or, rather, the last generation to experience childhood. That doesn't necessarily mean that now is the time to put away childish things. Instead it may mean that the use of childish things may be extended indefinitely, until death."¹ Children — we are reminded by the ambivalent twist at the end of this statement — have the potential to turn the hegemony of the adult world upside down. Could it be that the imprint of childish things on twentieth-century culture has been so profound that ultimately it is not children but adults who will cease to exist?

Childhood is not a fixed concept but has been constantly redefined, in legal as well as cultural terms. Starting with Philippe Ariès's pioneering study, *Centuries of Childhood: A Social History of Family Life*, in 1962, which claimed that "in medieval society, the idea of childhood did not exist," historians have been locating paradigmatic shifts in the way we think about children in various centuries and cultures.² Nevertheless, the case for the twentieth century as *the* century of the child is a compelling one, and the starting point for this book and exhibition is the timely publication, on New Year's Day of 1900, of *Barnets århundrade* (published in English in 1909 as *The Century of the Child*), by the perceptive Swedish design reformer and social theorist Ellen Key.³ Brimming with both aspiration and dread, this prescient manifesto for change — social, political, aesthetic, and psychological — presented the universal rights and well-being of children as the defining mission of the century to come. Key enfolded this cause within multiple agendas for reform, arguing that the time had come to put an end to child labor, to stop "murdering souls in schools," to counter international conflict and the materialistic spirit of the age with a new spiritualism, to attend to the environmental degradation of the world's modern cities, to halt the meaningless consumption of poorly designed and manufactured goods, and to extend suffrage to women and the working classes.⁴

Key identified the search for new languages of form and style, which reached a critical peak around 1900, as having a crucial role in shaping this constellation of ideas. The reawakening of an artistic culture would start with children and with the natural unfolding of their development at home. Her essay "Beauty for All," published in 1899, promoted an aesthetic ideal of simplicity that would endow the child's experiences of a rapidly changing world with a greater sense of visual and spatial coherence.⁵ Like many of the progressive intellectuals and artists with whom she was associated, such as Carl and Karin Larsson, leading exponents of the Arts and Crafts movement in Sweden, Key viewed the quality of the spaces where children's physical and mental development took place as highly influential in the delicate process of personal growth. Carl Larsson's *Ett Hem* (*A Home*, 1899), a book later published in ten countries, set the tone for idealistic views of the designed childhoods that would flourish in the twentieth century, showing his children at play, developing unhampered in light, airy spaces, close to the natural world, and protected from the cares and corrupting influences of adult life (no. 1).⁶

There were other modern childhoods of which Key was also keenly aware, such as those recorded by the American photographer and sociologist Lewis Hine on behalf of the National

¹ CARL LARSSON (Swedish, 1853–1919) *Mammas och småflickornas rum* (Mamma's and the small girls' room) from the book *Ett Hem* (*A Home*). 1899
Watercolor on paper, 12⁵/₈ x 16¹⁵/₁₆" (32 x 43 cm)
Nationalmuseum, Stockholm

2 LEWIS HINE (American, 1874–1940)
Child in Carolina Cotton Mill, 1908
Gelatin silver print, 7¹/₂ x 9¹/₂" (19 x 24.2 cm)
The Museum of Modern Art, New York. Purchase

3 THÉOPHILE-ALEXANDRE STEINLEN
(French, 1859–1923)
La Rue (The street), 1896
Lithograph, 7' 7³/₄" x 9' 9³/₈" (233.1 x 298.2 cm)
The Museum of Modern Art, New York. Gift of
Mr. and Mrs. Leonard Lauder

4 ANDREAS GURSKY (German, born 1955)
Toys "R" Us, 1999
Chromogenic color print, 6' 9¹/₂" x 11' 5⁵/₈"
(207 x 336.9 cm)
The Museum of Modern Art, New York.
Acquired through the generosity of Jo Carole
and Ronald S. Lauder

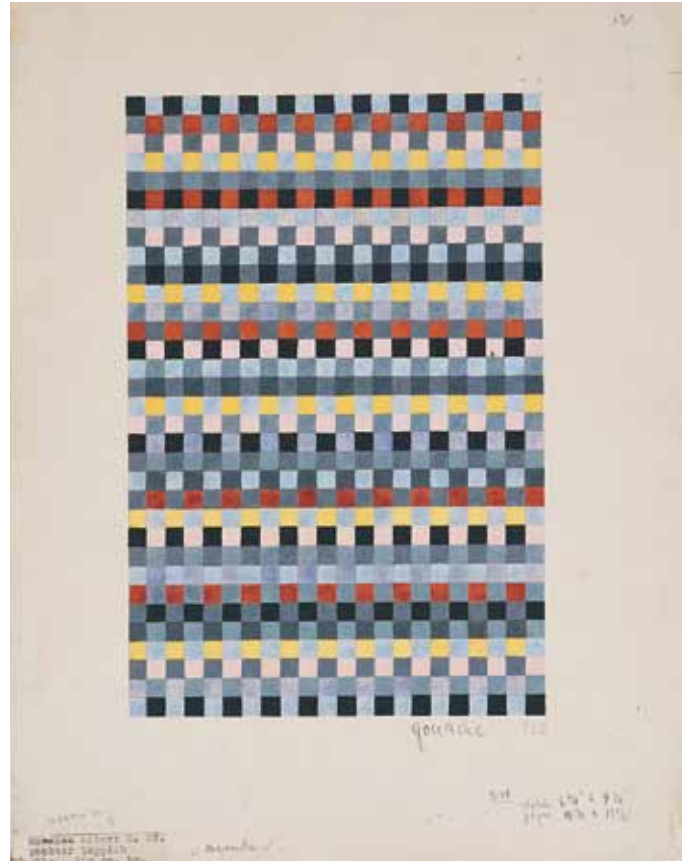
Child Labor Committee (no. 2).⁷ A source of cheap labor then, as they are now, children in factories and sweatshops assisted in the process of churning out goods designed for markets that included their middle-class peers. Key felt that children growing up in an industrial, competitive, and future-oriented culture required adult protection and stimulation that could be assisted by design. And by 1900 modern types of dedicated objects and spaces had begun to delineate the newly sacralized concept of childhood, as on Théophile-Alexandre Steinlen's advertising billboard *La Rue* (The street) (no. 3), printed in Paris in 1896, in which the most vivid figure is a girl in a smart red dress, clutching a hoop. Standing at the center of a cavalcade of modern urban types, including street vendors, workmen, clerks, housewives, and bourgeois promenaders, she signals the importance of children in the expanding consumer economies of the century to come (no. 4).⁸ Elastic and powerful, the symbolic figure of the child has masked paradoxical aspects of the human predicament in the modern world and enabled irreconcilable sets of beliefs, which are reflected in the material forms of modern design.

GROWING, OR WILTING, BY DESIGN?

Key's prediction was correct: thinking about and designing for children would become a preoccupation in the twentieth century as never before, amounting to a virtual "cult of childhood," as philosopher George Boas called it in 1966.⁹ Throughout the century the aesthetic, material, and technical innovations in design for children were remarkable, closely paralleling, and at times directly influencing, other areas of visual culture. Ideas about creative play catalyzed major iterations of modern design teaching and practice—from Franz Cizek's revolutionary teaching methods at the Vienna Kunstgewerbeschule (School of applied arts) and Joaquín Torres-García's exploration of abstraction through toy design to the Bauhaus workshops (no. 5); and from the urban innovations of Aldo van Eyck and CoBrA artists in postwar Amsterdam (no. 6) to Victor Papanek's ethical design. In 1990 some 1,500 professionals from around the world gathered in Aspen for "Growing by Design" (no. 7), the fortieth (but first child-themed) International Design Conference, to take stock and to fashion an agenda for the future of design that would support "the needs of children and, by extension, the needs of the community—and all of us."¹⁰ Children also participated in discussions and workshops and created their own exuberant environment, a Micropolis, with the help of adult "slaves." In this respect the conference reflected a growing recognition of children as design activists in their own right, pushing against imaginative and physical limitations and constantly re-creating the world as they see it, using whatever equipment they happen to have at hand.

But the mood in the plenary session oscillated between optimism and gloom. In lively debates about design for schools, parks, television programs, play spaces, and psychological spaces, participants expressed concern about the contraction of childhood in disadvantaged communities, child labor, poverty, the slow attrition of space for play in cities all over the world, uneven access to inspiring design, and the obsessive adult concern with security and safety, at the expense of adventure and learning. Indeed, in such areas it was questionable how much progress had been made in addressing many of Key's concerns and aspirations. CBS correspondent Robert Krulwich summarized the proceedings, reporting that "people agreed much more





5 ANNI ALBERS
 (American, born Germany. 1899–1994)
 Rug design for child's room. 1928
 Gouache on paper, 13⁷/₁₆ x 10⁷/₁₆" (34.1 x 26.5 cm)
 The Museum of Modern Art, New York. Gift of
 the designer

6 Experimental Art, CoBrA exhibition at the Stedelijk Museum, Amsterdam, 1949, designed by Aldo van Eyck. 1949
 Aldo van Eyck Archive, Loenen aan de Vecht, the Netherlands



7 SEYMOUR CHWAST (American, born 1931)
Growing by Design, The 40th International Design Conference in Aspen. 1990
 Offset lithograph, 35¹/₂ x 24" (90.2 x 61 cm)
 The Museum of Modern Art, New York. Purchase



than disagreed. I can report that we agreed that the environment we have created for children is getting worse.... Not only in America, but when we mention the rest of the world it seems to be getting worse there, too."¹¹ This sense of an impending crisis was also echoed throughout the last two decades of the century in numerous cultural commentaries and contemporary artworks that referred to the "disappearance" or "end" of childhood, not least in *Children's Video Collective*, the artwork by the Canadian artist Steve Reinke with which this essay opened.¹²

From *The Century of the Child* in 1900 to "Growing by Design" in 1990 we have been periodically reminded how the forces of modernity shape design and childhood in ways that are extraordinary and exhilarating yet also complex and contradictory. What has remained consistent, however, is the faith among designers in the power of aesthetic activity to shape everyday life. As an embodiment of what might be, children help us to mediate between the ideal and real: they propel our thoughts forward. Their protean nature encourages us to think in terms of design that is flexible, inclusive, and imaginative.

THE CENTURY OF THE CHILD, REVISITED

In this book we track the fascinating confluence, unique to the twentieth century, between the cultures of modern design and childhood, using a kaleidoscopic narrative of innovative ideas, artifacts, and people. Like "childhood," "modern" is a mercurial term. By its own definition what is up-to-the-minute and aesthetically or conceptually innovative in a certain decade or in one particular context should not, indeed cannot remain so, any more than a child can remain a child.

Certain themes recur, at different times and in different parts of the world: creative play as a paradigm of learning and creativity not only for children but for adults; children as a source of social and aesthetic renewal and as the citizens of tomorrow; concern about protecting and nurturing some of the most vulnerable individuals in society as the impetus to create critical design interventions, new pedagogies, and social policies; children as consumers of an ever-widening range of products and environments, both physical and virtual; and children as viewers and subjects of new forms of advertising and ideological persuasion. The examples of objects and ideas throughout the book are the result of creative discussions that took place over a period of one hundred years, among educators, designers, manufacturers, social reformers, medical specialists, psychologists, and children themselves. Together they show how diverse perspectives have intertwined in meaningful and modern design.

Although the book is international in range, we could not hope to provide a comprehensive survey of the most widely available or popular design for children. Nor did we set out to propose new approaches to any one designer or area, such as toys, playgrounds, children's furniture, or clothing, each of which already has, or deserves, a major publication devoted to it.¹³ Instead the emphasis is on the interrelationship of all these design phenomena at particular moments throughout the century, a synoptic approach that posits modern children and modern design as an unfolding relationship in the context of mass society in regional, national, and transnational settings. Through children we may follow the socially dynamic, forward-looking trajectory of innovative design in the twentieth century.

SEEN BUT NOT HEARD: CHILDREN AND THE HISTORIOGRAPHY OF MODERN DESIGN

Despite being ubiquitous and the focus of intense concern and profound thought, children remain one of the most underevaluated subjects in the historical analysis of modern design. What, we may ask, explains their relative invisibility in narratives of pioneering design in the twentieth century? One answer lies in the overlay of adult nostalgia, sentiment, and angst onto anything to do with children, which inhibits dispassionate and rigorous analysis; another, perhaps, in our work-centric culture, in a deep-rooted sense of play as trivial — just messing about, with no serious rationale or quantifiable outcomes — and of children and childcare as part of predominantly domestic and therefore lesser worlds. The humorous design that children have inspired is rarely accorded serious critical attention, despite, or perhaps because of, the universal demand for works that delight, humanize, and emotionally connect us to our surroundings. The stereotypical perception of children as sensual and intuitive sits uneasily with the critical discourse of intellectualism and rationality that surrounds heroic modernist architecture, but with the advent of postmodern and psychoanalytic approaches to academic studies, beginning in the 1970s, many innovations in children's design have begun to attract the critical attention they deserve, particularly in relation to comics, animation (no. 8), and video games—new types of products initially developed for the young but soon taken up by adults and artists in avant-garde visual practices.



The diminutive scale and ephemeral quality of most design for children is by its very nature the antithesis of the monumental, and it resists critical aggrandizement (no. 9). Partly for this reason, the fascination with children of many iconic figures of modernism, such as Charles Rennie Mackintosh, Marcel Breuer, Ernő Goldfinger, Charles Eames, and Ladislav Sutnar, is rarely discussed. In the case of male designers in particular, the experience of engaged parenting and teaching is often treated as a sideline or aberration — not least by the designers themselves — and downplayed as a formative influence on their more publicly appraised work, or omitted altogether. Only recently has due acknowledgment been given to the early career of modernist designer Piet Zwart, a pioneer of Constructivist graphics, as a schoolteacher and designer of children's artistic, reformed dress.¹⁴ The once anomalous position of toy design and pedagogy in the oeuvre of Torres-García is currently undergoing similar revision; these activities, far from being simply the means of sustaining his main practice as a fine artist, have been revealed to be the generative impulse behind his masterful exploration of abstraction.¹⁵

A focus on children also enriches the narrative of modern design in the twentieth century, adding to it other, less familiar names, many of them women's, who made contributions not only



8 JOHN HUBLEY (American, 1914–1977) and FAITH HUBLEY (American, 1924–2001) Storyboard for the film *Adventures of an **. 1957 6 x 26⁵/₈" (15.2 x 67.6 cm) The Museum of Modern Art, New York. Hubley Collection, Special Collections

9 JOHN ROMBOLA (American, born 1933) *Alice in Wonderland* wallpaper. 1968 Screenprint on vinyl, 30⁵/₈ x 29⁵/₁₆" (77.8 x 74.5 cm) Manufactured by Piazza Prints, Inc., New York Cooper-Hewitt, National Design Museum, Smithsonian Institution. Gift of The Museum at The Fashion Institute of Technology, New York

10 NIELS BRODERSEN (German, 1895–1971) and RICHARD GRUNE (German, 1903–1983) Page from the book *Die rote Kinderrepublik* (Red children's republic), by Andreas Gayk. 1930 11⁷/₁₆ x 9³/₁₆" (29 x 23.3 cm) Published by Arbeiterjugend Verlag, Berlin The Museum of Modern Art Library, New York

as designers, but as teachers, philanthropists, art therapists, and critics. The critical fortunes of women and children have been closely linked throughout the century, during which time women's access to professional training, accreditation, and paid employment steadily increased. Women were identified persistently as the most effective educators (by Friedrich Froebel and Key, for example) and as biologically more attuned than men to the psychological, emotional, and physical needs of children (although it is ironic that many of the women who made a significant impact on child-centered design — from Key, Jane Addams, and Maria Montessori to Grete Lihotzky and Friedl Dicker — had no children of their own). Women, like children, were perceived as having a natural affinity for color, detail, and pattern and for the tactile, sensual, and more imaginative attributes of design.¹⁶ The closeness of this association with children was often used to infantilize or patronize women in the critical discourse about modernist design; a term like "little" can quickly assume pejorative overtones.¹⁷ Since the 1970s, however, feminist and postmodern approaches to theory and practice have served to validate qualities seen as stereotypically feminine or childlike, a development reflected in the emergence of women's studies and childhood studies as academic disciplines in their own right.

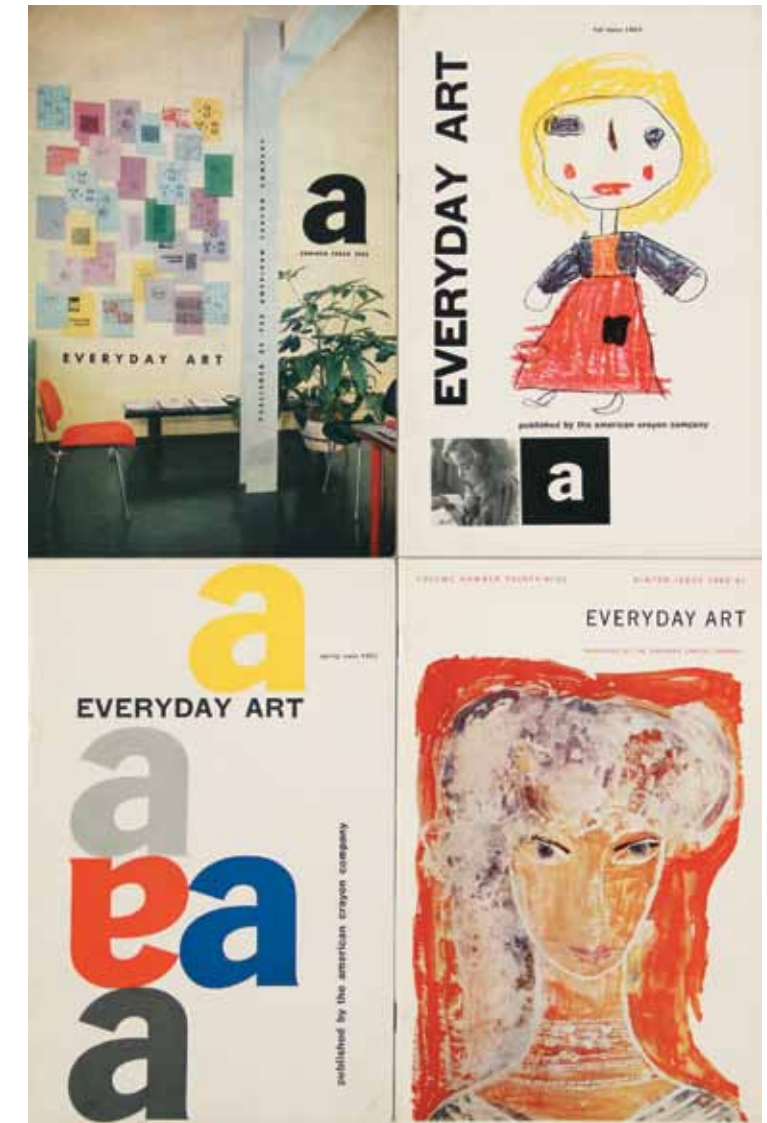
As empires crumbled in the postwar decades, many ethnic minorities began to articulate their political and cultural independence in ways that critiqued, in a similar fashion, the dominance of a Western canonical view of modernism. Children had long been implicated in this process by virtue of their identification with the primitive — a label that encompassed folk, vernacular, and popular material culture, as well as the arts of African, Oceanic, Native American, and Indian peoples and design by children (no. 10). As early as 1856 Owen Jones wrote in his influential book, *The Grammar of Ornament*, "If we would return to a more healthy condition we must



11 VLADIMIR LEBEDEV (Russian, 1891–1967)
Cover of *Slonenok* (Elephant), by Rudyard Kipling. 1922
Book with 12 letterpress illustrations,
10 1/2 x 8 1/8" (26.7 x 20.7 cm)
Published by Epokha, St. Petersburg
Edition: 1,500
The Museum of Modern Art, New York. Gift of
The Judith Rothschild Foundation

even be as little children or as savages," a link that persisted well into the twentieth century: in 1959, the anthropologist Douglas Newton could still describe "the world-wide fraternity of children" as "the greatest of savage tribes, and the only one which shows no sign of dying out."¹⁸ This cultural phenomenon was, at various points during the century, a metaphor for artistic spontaneity.¹⁹ The association was made explicit in Frank Lloyd Wright's design for the Rosenwald-Whittier School for Negro Children in Hampton, Virginia (1928), whose decoration reflected the architect's belief that African Americans had a keener perception and appreciation of color, geometry, pattern, and abstraction.²⁰ A similar confluence of child art and primitivism was found in the design of Van Eyck and the CoBrA group of artists in the 1950s and in the ethnic-design references of countercultural movements in the late 1960s and '70s. Modernism's involvement with the primitive also had pronounced negative effects, such as the trope of primitive peoples as childish or childlike, used to justify imperial domination by "adult" Europeans and North Americans, which was made evident in many toys and children's books.

In the world's preeminent collections of modern design, not least at The Museum of Modern Art, children's toys, books, and clothing have historically had a low profile. This has been true despite the personal fascination that design for children has held for several legendary museum directors, an interest that formed a significant factor in their intellectual makeup and their approach to their institutions' educational missions. Henry Cole, a prominent design reformer, produced a number of children's books and toys before he took up his role as the first director of the South Kensington Museum of Art and Design (now the Victoria and Albert Museum) in London.²¹ Alfred H. Barr, Jr., amassed a personal collection of Soviet children's books (no. 11) during a formative visit to the Soviet Union in 1927–28, prior to his appointment as The Museum of Modern Art's founding director (see "'Colorful, Specific, Concrete': Soviet Children's Books," p. 79).²² René d'Harnoncourt, who joined MoMA in 1944 as director of the Department of Manual Industries and was appointed Museum director in 1949, designed and wrote several children's books in the 1930s and gathered one of the largest collections of Mexican toys in the world.²³ Both Barr and d'Harnoncourt had a keen sense of MoMA's educational role, which was to foster creativity and innovation in children and adults, and were responsible

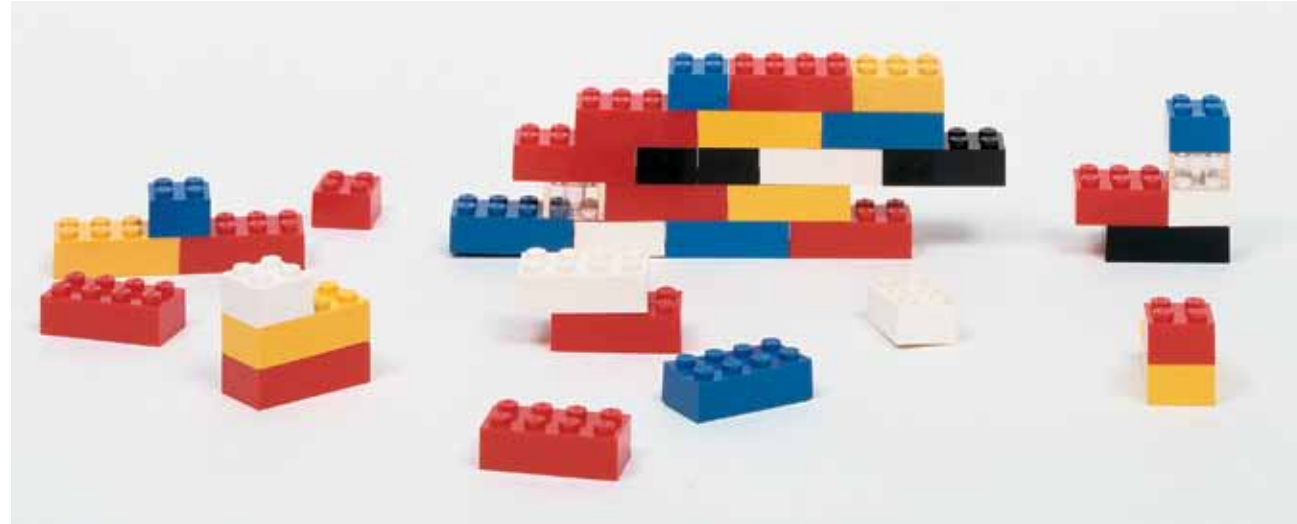


12 JOHN FOLLIS (American, 1923–1994)
and REX GOODE (American, dates unknown)
Covers from the magazine *Everyday Art*
(top row and bottom left: Spring 1953,
Summer 1953, and Fall 1953 [edited by
Emmy Zweybrück-Prochaska]; bottom right:
Winter 1960–61 [edited by Edward Mattil])
Each: 9 1/16 x 6 1/8" (23 x 15.5 cm)
Published by American Crayon Company,
Sandusky, Ohio (est. 1890)
Universität für angewandte Kunst Wien,
Kunstsammlung und Archiv, Vienna

for encouraging many exhibitions, workshops, and lectures that featured design by and for children. This dedication had little impact on the permanent collection, however, despite both directors' generous gifts in various mediums, and their own collections of child-related material instead reside in the MoMA Archives.

Bringing children from the periphery to the forefront of our attention cuts across geographical, political, and stylistic demarcations in the mapping of modern design: following in the footsteps of Lihotzky, for example, in the 1920s to 1940s — moving from Vienna, Frankfurt, and Moscow to Tokyo, Ankara, and Sofia — leads us to locations both familiar and unexpected, where engagement with modernism and children was at its most intense. In a similar fashion, the multiple trajectories leading out from Čížek's teaching in Vienna suggest new continuities and connections between artistic centers and areas of design practice, taking us in one direction toward Johannes Itten's *Vorkurs* (introductory course) at the Bauhaus and to children's art classes in the concentration camp at Theresienstadt; in another toward the design of adventure playgrounds on World War II bombsites and the manufacture of developmental toys in London by Paul and Marjorie Abbatt; and in yet another to the worlds of art therapy and mid-century modern design in the United States (no. 12). Children bring into focus how modern design has straddled high and low cultural practices, from comics to architecture and urban planning. They enable us to follow threads throughout the century that connect the most disparate and apparently contradictory of tendencies.

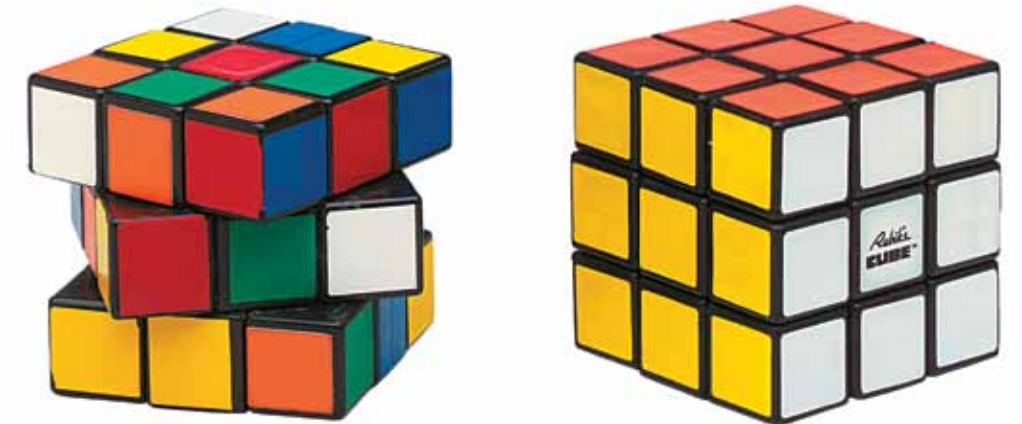
13 GODTFRED KIRK CHRISTIANSEN
 (Danish, 1920–1995)
 Lego building bricks. 1954–58
 ABS plastic, dimensions variable, largest:
 $\frac{7}{16} \times 1\frac{1}{4} \times \frac{5}{8}$ " (1.1 x 3.2 x 1.6 cm)
 Manufactured by Lego Group, Billund, Denmark
 The Museum of Modern Art, New York. Gift of
 the manufacturer



CREATIVE PLAY FOR CHILDREN AND DESIGNERS: CONSTRUCTING THE UNIVERSE

Rudolf Steiner claimed in 1909 that “the world is built by thought,” meaning thought not formulated as an abstract idea but experienced as a living, creative energy that creates and supports forms.²⁴ This was the kind of spiritualized, form-giving creativity that Theo van Doesburg observed in the design of Torres-García in 1929: “He touches dead things and ordinary materials, and they come to life. He places before you a small sculpture in painted wood or a simple toy he has created, and they seem to breathe in some miraculous fashion.”²⁵ Designers, like children, find patterns and make connections. The importance of pattern making and creative play with material things, for children and adults, as a route to understanding spatial relations and problem solving, as well as creating a sense of the individual in relation to larger cosmic harmonies, comes up again and again in the twentieth century.

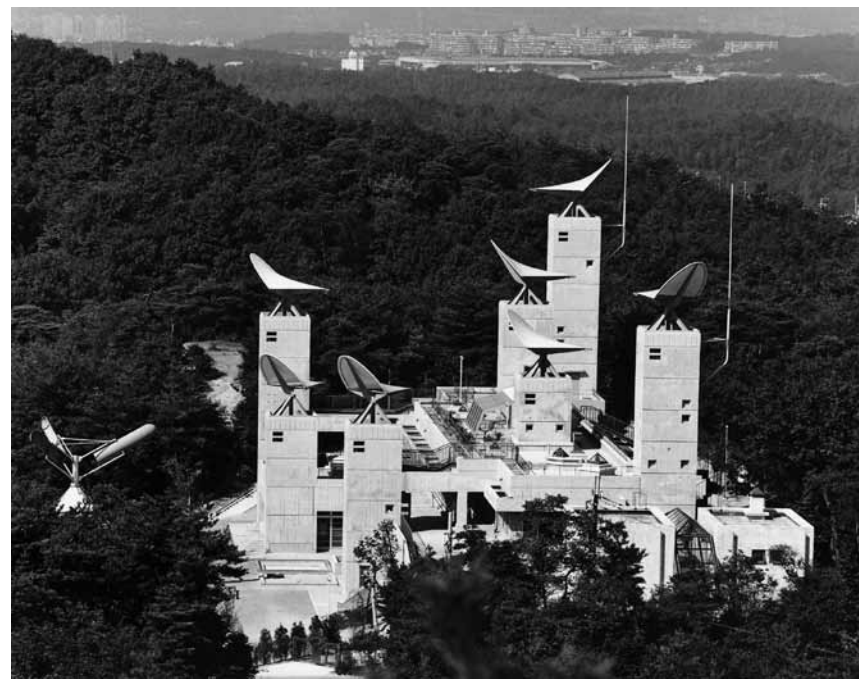
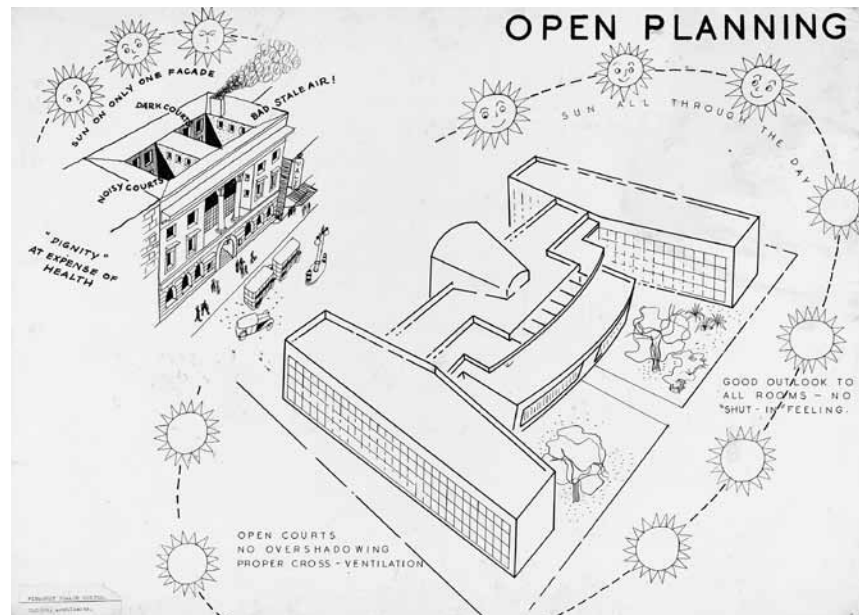
Breuer, the Hungarian-born designer and architect who was associated with the Bauhaus and then found his way to the United States in the late 1930s, was one of many modernists who maintained a lifelong interest in the principles of constructive play. In 1970, in an acceptance speech for an honorary degree from the university in Pécs, his childhood home, he invoked play in a description of the process of becoming an architect: “When children play with building blocks, they discover that they fit together, because they are square. . . . Then, the child discovers that the blocks are empty, that the sides turn into walls, and that there is a roof and a structure. . . . That is when the child will indeed become an architect. Manager of voids and spaces, priest of geometry.”²⁶ And the idea of play as a means of exploring imaginative space and building worlds in microcosm has continued with the introduction of a slew of new construction toys, from Lego blocks, in 1954–58 (no. 13), to Michael Joaquin Grey’s Zoob system, in 1993–96 (no. 14). In 1974 the Hungarian architect Ernő Rubik came up with his famous cube (no. 15) — widely considered the best-selling toy of all time — by experimenting with geometric shapes with his students at the Budapest Academy of Applied Arts.²⁷



14 MICHAEL JOAQUIN GREY
 (American, born 1961)
 Zoob play system. 1993–96
 ABS plastic, each: $2\frac{1}{2} \times \frac{7}{8} \times \frac{3}{4}$ " (6.4 x 2.2 x 1.9 cm)
 Manufactured by Infnitoy, San Mateo, California
 The Museum of Modern Art, New York. Gift of
 the designer

15 ERNŐ RUBIK (Hungarian, born 1944)
 Rubik's Cube. 1974
 Plastic, $2\frac{1}{4} \times 2\frac{1}{4} \times 2\frac{1}{4}$ " (5.7 x 5.7 x 5.7 cm)
 Manufactured by Ideal Toy Corporation, New York
 The Museum of Modern Art, New York. Gift of
 the manufacturer

There were strong links between forward-looking education specialists and the directors of leading design schools and museums in the twentieth century, so much so that several of the most progressive schools of art and design have borne the imprint of the modern child in their architectural design, educational philosophy, and student culture. Mackintosh's design for the Glasgow School of Art (1899–1909) was closely related to the spatial organization and architectural symbolism of that for Scotland Street Public School (1904–06), just as Walter Gropius's design for the Bauhaus in Dessau (1925), Eliel Saarinen's for the Cranbrook Academy of Art, in Bloomfield Hills, Michigan (1925), and Wright's for Taliesin, in Spring Green, Wisconsin, all reflected their respective architects' interest in the new pedagogy for young children and concurrent design for kindergartens and schools. Both Cranbrook and the first Bauhaus in Weimar were conceived as part of larger educational communities that included facilities for children, although these connections have been consistently underplayed in historical accounts of the institutions.²⁸ The childlike student culture in twentieth-century design schools has been a hallmark of their modernity, with pranks, joyous experimentation, and uninhibited socializing merging with a playful approach in the studio. Anni Albers, recalling the Weaving Workshop at the Bauhaus in the early 1920s, described how “they began amateurishly and playfully, but gradually something grew out of their play, which looked like a new and independent trend.”²⁹



UTOPIA-DYSTOPIA

Children, with their perception uncluttered by the baggage of social and cultural conventions, have long symbolized the visionary modernist focus on the future. In this respect they belong at the heart of utopian thought, and they inspire us to demand a different, better, brighter future. For anyone wanting to create a new world, the well-being of children has been a good place to start. Belief in architecture and design as catalysts for progress and as active partners in the shaping of society has been fundamental to design for children throughout the century, in the form of toys, schools, orphanages, medical facilities (no. 16), and entire communities with children as their *raison d'être*. The poetic structure of the hilltop Zasso Forest School (no. 17), by Kijo Rokkaku, is an example that brings architectural form and children into alignment with the natural world: the complex is enlivened by the natural elements and the energy of children at play, with propeller-like sculptures at different heights that move according to the wind and activate several play mechanisms inside the school's playground.

16 BERTHOLD LUBETKIN (Russian, 1901–1990) and TECTON (England, est. 1932) Explanatory drawing for the Finsbury Health Centre, London. 1936 Printed ink on paper pasted to board, 19 1/2 x 26 7/16" (49.5 x 67.2 cm) RIBA Library Drawings & Archives Collection, London

17 KIJO ROKKAKU ARCHITECT AND ASSOCIATES (Japan, est. 1969) Zasso Forest School (Zasso-no-mori Playschool and Soyokaze Kindergarten), Tuzuki-gum, Kyoto-fu, Japan. 1975–77 Rooftop sculptures designed by Susumu Shingu (Japanese, born 1937) Photograph by Osamu Murai The Museum of Modern Art, New York. Architecture and Design Study Center

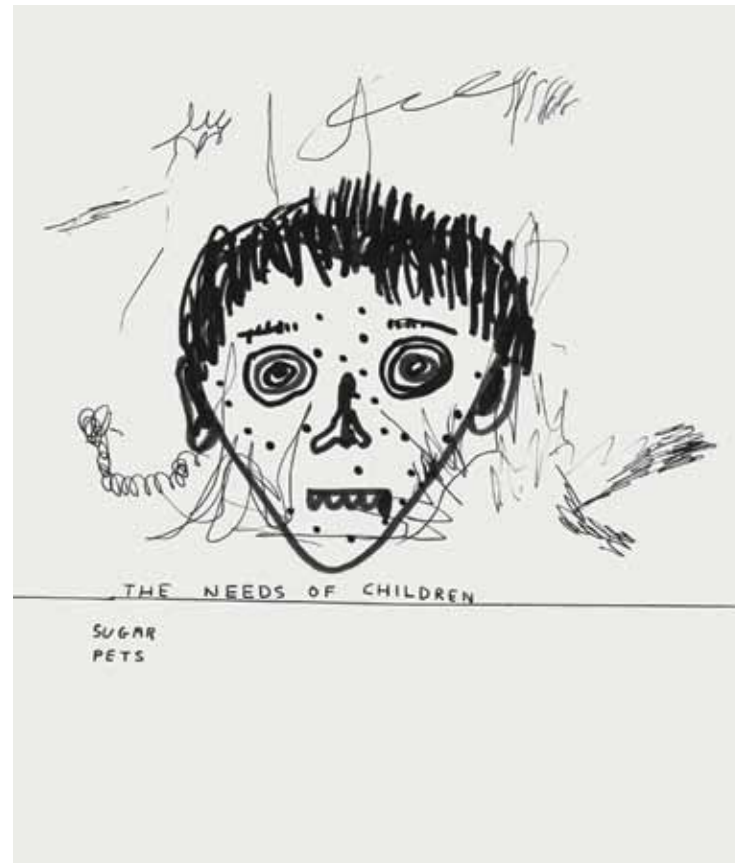


However dazzling the visions of utopia may be, the specter of social engineering is never far away (no. 18). In the tradition of Aldous Huxley's *Brave New World* (1932) and George Orwell's *1984* (1949), Thomas Pynchon described, in *Gravity's Rainbow* (1973), Zwölfkinder, a sinister utopia apparently run by children but in reality manipulated by invisible adult authorities:

In a corporate State, a place must be made for innocence, and its many uses. In developing an official version of innocence, the culture of childhood has proven invaluable.... Over the years it had become a children's resort, almost a spa. If you were an adult, you couldn't get inside the city limits without a child escort. There was a child mayor, a child city council of twelve. Children picked up the papers, fruit peelings and bottles you left in the street, children gave you guided tours through the Tierpark... child police reprimanded you if you were caught alone, without your child accompanying. Whoever carried on the real business of the town — it could not have been children — they were well hidden.³⁰

Utopian worlds can ultimately never be realized, and the failure of many modernist projects is particularly poignant when it comes to children. Designer Svetlana Boym, on returning in the 1990s to her childhood haunts in Leningrad (now St. Petersburg), described how she found herself wandering around the miniature rockets that "crash-landed" in the playgrounds in the 1960s and were now rusting there. These relics were made in the euphoric era of Soviet space exploration, "when the future seemed unusually bright and the march of progress triumphant. Soon after the first man flew into space, Nikita Khrushchev promised that the children of my generation would live in the era of communism and travel to the moon. We dreamed of going into space before going abroad, of travelling upward, not westward. Somehow we failed in our mission. The dream of cosmic communism did not survive, but the miniature rockets did."³¹

18 "Militarization of Children," part of the exhibition *Nature of the Enemy*, Office of War Information (OWI), Rockefeller Plaza, New York. 1943 Photograph by Arthur S. Siegel United States Holocaust Memorial Museum, Washington, D.C.



19 DAVID SHRIGLEY (British, born 1968)
Untitled (The Needs of Children). 2002
 Felt-tip pen on paper, 9 1/2 x 8 1/4" (24.1 x 21 cm)
 The Museum of Modern Art, New York. The Judith
 Rothschild Foundation Contemporary Drawings
 Collection Gift

ADULTS AND CHILDREN: THE STRUGGLE IS ON

Childhood has in many ways been prolonged, and children now have a higher status and greater agency both in the family and in society at large. Left to their own devices would children define their needs as sugar and pets, as artist David Shrigley implies (no. 19)? At "Growing by Design," Krulwich described the friction between adult desire for control and the childhood need for independence as an apparently irresolvable tussle (no. 20): "On the one hand is the adult culture, which has a design for children and knows how children should grow. It knows what they should become.... On the other hand, there is the private world of a child, who is at first, all potential. This child, this little boy or girl, could be anything... the child says, let me be me. So the contest begins and the struggle is on, and it's the right struggle."³²

Children are controlled by, yet also take control of, the world around them. Although living in a world constructed by adults, they are social actors in their own right, using and interpreting modern design on their own terms, employing the materials at hand (no. 21). But the agency of children has inevitably been circumscribed by their dependence on adults, and despite attempts to enshrine their universal rights, they remain even more powerless and inarticulate than other marginalized groups. In recent decades the power of adults has squeezed out children from public spaces and limited their physical freedom through legislation that reinforces risk-averse attitudes. Even more controversial is the debate over the ultimate form of adult design: the possibility of prepackaging children's genetic makeup.

Another facet of the contest between adult and child is the complex, discursive debate about child sexuality and the apparently unstable boundaries between childhood and sexual maturity, particularly when considered in relation to class and gender. From the outcry that greeted Oskar Kokoschka's *Die träumenden Knaben (The Dreaming Boys)* at the Vienna *Kunstschau* in 1908 to the fetishistic adornment of the Lolita fashions adopted by many Japanese girls and young women in the 1990s, the shifting constructs of childhood and sexual desire have created a great deal of adult unease. Much of the fashion for tweens (children between the ages of about



20 JOHN HUNTER (American, born 1934)
The Day the Kids Finally Took Over. 1969
 Lithograph, sheet: 24 1/16 x 35" (61.1 x 89 cm)
 Printed by Tamarind Lithography Workshop,
 Los Angeles
 The Museum of Modern Art, New York. Gift of
 Kleiner, Bell & Co.

21 JENS S. JENSEN (Swedish, born 1946)
*Boy at the Junk Playground, Hammarkullen,
 Gothenburg*. 1973
 Gelatin silver print, 9 7/16 x 12" (24 x 30.5 cm)
 Courtesy of the artist



nine and fourteen) at the end of the century has visibly eroded the differences between adults and children and challenged the notion of a definable end of childhood, providing clothes for the knowing child who may or may not be in control of her appearance and sexuality.

The new imaginative freedom granted to children via access to digital technology and the Internet has to some degree compensated them for increased physical constraints in public urban space, but it has come at the cost, to adults, of new fears about the effects of unregulated exposure to media content. Anxieties about new technology and control are nothing new, but they have a particular resonance when children are involved, as Sarah Kember, lecturer in new technologies of communication at Goldsmiths, University of London, has suggested. “Children are perceived not only to be more computer literate than most adults,” she has written, “but to be perpetrators of computer crime and other excesses including addiction... in relation to technology, children are seen not as being innocent but as worrying, dangerous and out of control.”³³ But the present can also be seen as an extraordinary time for children, with digital technologies giving them access to an infinite artistic palette and an enormous range of cultural references with which to build — whatever. Plenty of evidence points to a process of massive cultural empowerment, catapulting us toward an explosion of creativity as the current generation assumes control of the world.³⁴

INTO THE TWENTY-FIRST CENTURY

In a time of acute economic, ecological, and political uncertainties, the utopian promises that played so large a part in modern design for children in the twentieth century have plenty of nostalgic allure and fascination, but they also offer a critical tool for analyzing the present and an inspiration for addressing the challenges that continue to engage designers. It is our aim in this sweeping, admittedly partial view of children and modern design to provoke renewed consideration of the larger question of the position of the child in society today (no. 22). As Key observed in *The Century of the Child*, “The development of the child... answers in miniature to the development of mankind as a whole.”³⁵

It now seems as urgent to drastically shift our conception of education and modern design as it did in 1900.³⁶ What is necessary for this to happen, as educator Christian Long has argued, is a new generation equipped with new ways of thinking. “Our children must master systems-thinking,” he has written, “to envision multiple methods for addressing complex challenges like renewable energy, world hunger, climate change, and ultimately, the design of a better world.”³⁷ The need to foster the young child’s innate capacity for divergent thinking — the ability to come up with lots of different answers — brings us back to the early-twentieth-century pioneers of the kindergarten movement and the concept of open-ended play as a strategy for learning and design innovation, an idea echoed in the mantra of musician and cultural commentator Pat Kane: “Play will be to the 21st century what work was to the industrial age — our dominant way of knowing, doing and creating value.”³⁸ If there is one lesson that adults should learn from children, it is that at a time of environmental and economic crisis, play is a crucial point of connection to the physical and imaginative world (no. 23). We need to give ourselves time and space for play, space in which the unpredictable can happen.

22 HARRY CALLAHAN (American, 1912–1999)
Untitled. c. 1953
Gelatin silver print, 5⁵/₁₆ x 8¹/₈" (13.5 x 20.6 cm)
The Museum of Modern Art, New York. Gift of the photographer



23 JENS S. JENSEN (Swedish, born 1946)
Boy on the Wall, Hammarkullen, Gothenburg. 1973
Gelatin silver print, 9⁷/₁₆ x 11³/₄" (24 x 29.8 cm)
The Museum of Modern Art, New York. Gift of the artist





INTRODUCTION

The child is innocence and forgetting, a new beginning, a game, a self-propelled wheel, a first movement, a sacred "yes." For the game of creation, my brothers, a sacred "yes" is needed: the spirit now wills its own will.

—Friedrich Nietzsche, 1883¹

FOR MANY designers, writers, and reformers in the years on either side of 1900, children were the living symbol of the sweeping changes that ushered in the birth of the modern. At the beginning of the new century, children bore the brunt of millennial fears and utopian dreams, and in emergent artistic centers in Europe and the United States—from Glasgow and Chicago to Rome, Budapest, and Vienna—the leading designers and intellectuals of the day, many of them women, were addressing children's rights, welfare, and educational reform.

Paradoxically, children were both the targets of an expanding consumer culture and exploited as a source of cheap industrial labor. The experience of modernization was always uneven. While many families could afford to indulge their offspring, countless other children at the beginning of the century suffered from malnutrition, disease, and squalid living conditions in rural and urban areas. At the same time, children, more than any other social group, appeared to offer a redemptive role for modern design, a mission that was morally and spiritually uplifting for all concerned, promising progress and social cohesion. For designers seeking to reconcile in their work the tensions and ambiguities of modern life, children seemed an inexhaustible source of renewal, evoking both a paradise lost in the remote past and the future possibility of an ideal city or state. Evolutionary models of thought and metaphors of organic processes abounded, not only in relation to progressive design but also to child development, such as American psychologist G. Stanley Hall's idea that the maturation

of children recapitulated human evolution.² "The child is older than the adult," he wrote in 1907, "in the sense that its traits existed earlier in the world than those that characterize the mature man or woman."³ In other contexts, children's development was perceived as analogous to the organic development of the modern city, community, and nation.

A fresh conception of design—loosely termed the New Art—that drew on the Arts and Crafts movement, Art Nouveau, and National Romantic style was catalyzing the creation of a new culture. In progressive circles this reformed design language was applied to all areas of children's experience in ways that reflected an integrated approach to their education, playtime, and employment both prospective and actual. Children's dress, for example, was reformed to allow for freedom of movement, liberating young bodies from the tyranny of tight-fitting, elaborately tailored clothes. Artistic homes, schools, and communities demonstrated a more liberal and inclusive approach to the "new child," with spaces and objects designed to stimulate the imagination and physical well-being of the young.

The international design-reform tendencies that coalesced around a social, democratizing concept of art had much in common with the principles and values of the kindergarten movement. In directing their attention to children, many educators and designers sought to recover an authenticity of expression that they felt had been lost with the innovations of modern life. Both the New Art and the new pedagogy emphasized authentic expression, the inspiration of the natural world, and the creative potential of every individual, every child. In the design studio and the classroom a new emphasis was placed on the enjoyment of the creative process and an empirical, intuitive investigation of materials.

Juliet Kinchin

See page 54

1 GUSTAV KLIMT (Austrian, 1862–1918)

Hope II, 1907–08

Oil, gold, and platinum on canvas, 43 1/2 x 43 1/2" (110.5 x 110.5 cm)

The Museum of Modern Art, New York. Jo Carole and Ronald S. Lauder and Helen Acheson Funds, and Serge Sabarsky

THE KINDERGARTEN MOVEMENT: BUILDING BLOCKS OF MODERN DESIGN



Play is the highest stage of the child's development... the purest, the most spiritual product of man at this stage, and it is at once the prefiguration and imitation of the total human life—of the inner, secret, natural life in man and in all things. It produces, therefore, joy, freedom, satisfaction, repose within and without, peace with the world.

—Friedrich Froebel, 1826¹

KINDERGARTEN WAS NOT a twentieth-century invention, but it was only around the turn of the century that the movement's wider international impact triggered both avant-garde artistic experimentation and a decisive shift in educational theories and methods. Inspired by late-eighteenth- and early-nineteenth-century educational theorists, above all Johann Heinrich Pestalozzi and Friedrich Froebel (no. 2), a new way of thinking about the child was taking hold, one that questioned rigid discipline in the classroom and the mind-numbing traditional methods of learning by rote. In progressive educational circles a general consensus was emerging that children were active, rather than passive, learners, and that they were best educated by women,

using kindness and encouragement rather than rebuke and corporal punishment (no. 3). Most educators agreed that singing, dancing, direct observation of nature (no. 4), and, above all, open-ended play with real objects stimulated the most effective learning, although opinions differed about how directed this process should be. As often happens during a transfer of ideas, these progressive educators and designers were often selective in their adaptation of Pestalozzi's and Froebel's theories, and the widespread commercialization and production, by various manufacturers, of kindergarten materials by the end of the nineteenth century further undermined any uniform interpretation of the concepts. But the underlying philosophy and methods, like those subsequently developed by Maria Montessori and Rudolf Steiner, have continued to inform educational theory and inspire modern design to this day.

The philosophy of kindergarten drew on a blend of eighteenth-century natural history, social theory, and Romantic spirituality. Pestalozzi, acknowledging the influence of Jean-Jacques Rousseau, transformed the idea of the Romantic child spontaneously exploring the natural world into a practical model of early-childhood education at his model schools in Frankfurt and Yverdon, Switzerland, established in 1805 and 1808, respectively. Inspired by Pestalozzi, the Scottish industrialist Robert Owen embarked on a utopian experiment at New Lanark, a modern, industrial community with education at the core of its philosophy (no. 5). The children of New Lanark, gleaned from the orphanages of Glasgow and Edinburgh, made up the bulk of the workforce in the community's cotton mills, but these children were also educated, starting at two years old, at the Institute for the Formation of Character, a school built just for that purpose and opened in 1816; it was run on the play principle, with daily song and dance and direct contact with nature and art rather than books.

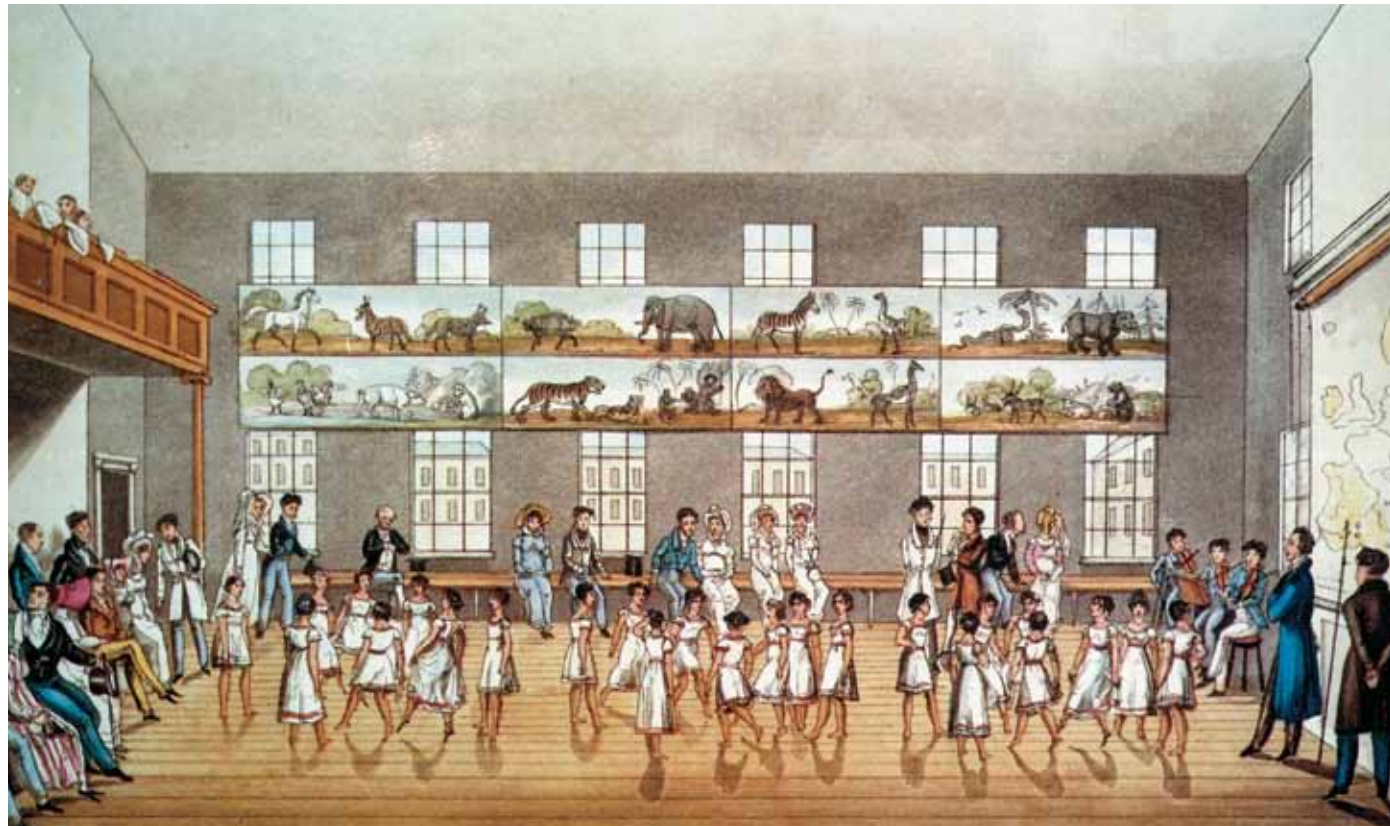
Froebel had taught under Pestalozzi at his schools in Frankfurt and Yverdon and worked from 1814 to 1816 with the influential crystallographer Christian Samuel Weiss at the Mineralogical Museum of the University of Berlin, cataloging minerals and crystals according to their internal structure, geometry, and symmetry. In 1826 he published *Die Menschenziehung (The Education of Man)*, in which he outlined his own understanding of how a child's development should proceed, by learning to observe, reason, and create through the sacred language of geometry (see "The Crystal Chain and Architectural Play," p. 60). In 1837 he founded his first school in order to put his ideas into practice, a play and activity institute in Bad Blankenburg, Germany. He also



2 Froebel Gift No. 2: Sphere, Cylinder, and Cube.
c. 1890
Wood and string, 11¹/₄ x 10¹/₄ x 3" (28.6 x 26 x 7.6 cm)
Manufactured by J. L. Hammett Co., Braintree, Massachusetts (est. 1863)
The Museum of Modern Art, New York. Gift of Lawrence Benenson

3 FRANCES BENJAMIN JOHNSTON
(American, 1864–1952)
Kindergarten Children Washing and Ironing.
1899–1900
Platinum print, 7⁹/₁₆ x 9¹/₂" (19.2 x 24.2 cm)
The Museum of Modern Art, New York. Gift of Lincoln Kirstein

4 FRANCES BENJAMIN JOHNSTON
(American, 1864–1952)
Primary Class Studying Plants: Whittier School.
1899–1900
Platinum print, 7¹/₂ x 9⁹/₁₆" (19 x 24.3 cm)
The Museum of Modern Art, New York. Gift of Lincoln Kirstein



5 G. HUNT (British, dates unknown)
Dance class at Robert Owen's Institute for the Formation of Character in New Lanark, Scotland, with the animal mural by Catherine Vale Whitwell in the background. 1825
Hand-colored engraving
New Lanark Trust, Scotland

6 Kindergarten teacher's workbook produced by Ella Steigelman, founding member of the California Kindergarten Training School. c. 1890
Folded: 8¹/₄ x 10³/₄" (21 x 27.3 cm)
The Museum of Modern Art, New York. Gift of Lawrence Benenson



established a training school for women, whom he saw as ideal educators of infants, and coined the term *Kindergarten* (literally, "children's garden") for his model of early-childhood education.

Like Pestalozzi, Froebel emphasized *things* rather than words, and *doing* rather than talking or memorizing. To this end he devised a system of twenty play objects for kindergarten students, which he called Gifts—a radical system of abstract design activities developed to teach recognition and appreciation of natural harmony (no. 6). Gifts one through ten, which were intended to remain in their original forms, included crocheted balls in different colors, wooden building blocks, parquet pieces for pattern making, and steel rings (no. 7). Gifts eleven through twenty provided the materials for occupations—focused activities that involved modification, such as cutting, weaving, and folding with multicolored sheets of paper (no. 8). The Froebel Gifts anchored sessions of play both directed by teachers and instigated by the children themselves; as tools for exploring and understanding the fundamental structure and interconnectedness of the natural world and fostering the creativity and curiosity of developing young minds, they formed the core of Froebel's pioneering educational model, which exploded in popularity after his death in 1852. By the late-nineteenth century the Gifts were being exhibited at world's fairs and adopted in progressive schools in Europe, the United States, and Japan, where they had an undoubted impact on many of the designers and artists who later made radical experiments with abstraction, such as the architect-designer Arthur Heygate Mackmurdo, who remarked that since he was "not allowed to read till I was seven, I found my delight in building structures with wooden bricks."²

In the opening decades of the twentieth century the agendas of educational reform and design reform converged in fascinating ways, initially around the concept of play and of kindergarten teaching materials. The methods were often picked up by specialist and independent schools with a focus on manual craft skills and industrial art, where there was interest in children's natural pattern making and the relationship between physical, emotional, and intellectual development, and such institutions set the pace for wider reform in general education. New developments in child psychology were applied to teaching methods, for example, in the classes of Franz Cižek in Vienna and Marion Richardson in England before and after World War I, and in the work of William Hailmann, head of the department of psychology at the Chicago Normal School in the early 1900s and a leading exponent of Froebel's methods. James Liberty Tadd's *New Methods in Education:*

Art, Real Manual Training, Nature Study (1899) emphasized blackboard drawing (no. 9) with large freehand movement as a means of conserving vitality and developing "a union of thought and action... a process that unfolds the capacities of children as unfold the leaves and flowers; a system that teaches the pupils that they are in the plan and part of life, and enables them to work out their own salvation on the true lines of design and work as illustrated in every natural thing."³ Montessori and Steiner (nos. 10, 11) also believed in humanistic educational methods as part of a holistic or cosmological worldview, and they emphasized the importance of well-designed teaching materials and learning environments and their roles as active agents in the educational process (see "Rome: Modern Arts, Crafts, and Education," p. 47). Steiner established his first school in 1919 for children of employees at the Waldorf-Astoria cigarette factory in Stuttgart and subsequently extended his educational philosophy to a wide range of educational initiatives, including kindergartens. Within a decade Steiner schools had been established not only in Germany but in Switzerland, the Netherlands, Britain, Norway, Hungary, the United States, and Austria.

Associating progressive education with child's play and female teachers may have contributed to the marginalization of the kindergarten movement in conventional histories of modern design, but in more recent scholarship the role that kindergarten may have played in developing an abstract sensibility in the arts—in particular in modern architecture and design—has begun to intrigue historians of modernism.⁴ On a formalist level, Froebel's distillations of natural forms often bear a striking resemblance to the most abstract modes of artistic expression, a relationship sometimes reinforced by an individual designer's experience of kindergarten. In the case of Steiner, progressive education and innovative design practice were inextricably connected. His own work as an architect directly tied his innovative pedagogy and anthroposophical belief with modernism in the performing arts and architecture: his Expressionist designs for the First and Second Goetheanums (no. 12) in Dornach, Switzerland, the location of Steiner's Anthroposophical Society, included theater spaces and the School for Spiritual Science, thus reflecting the importance to his educational method of imagination, performance, and the integration of practical, artistic, and conceptual elements.

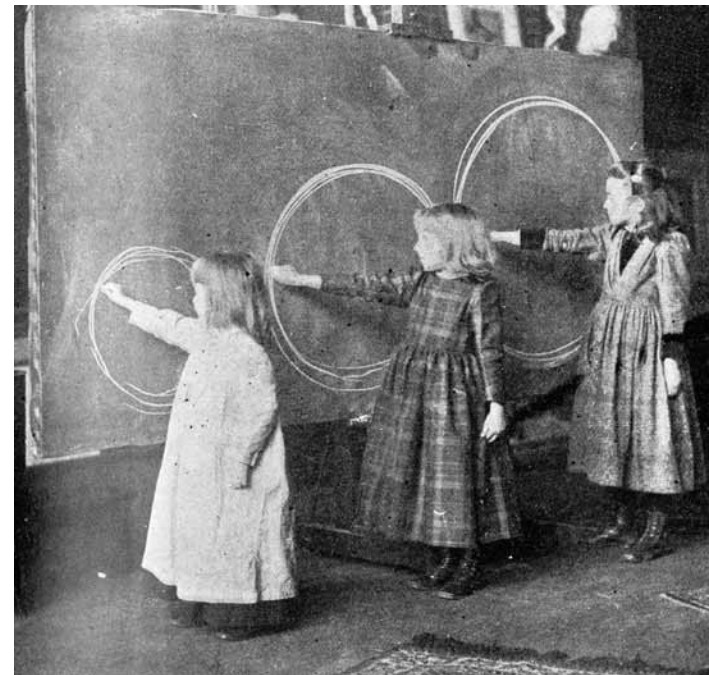
Juliet Kinchin



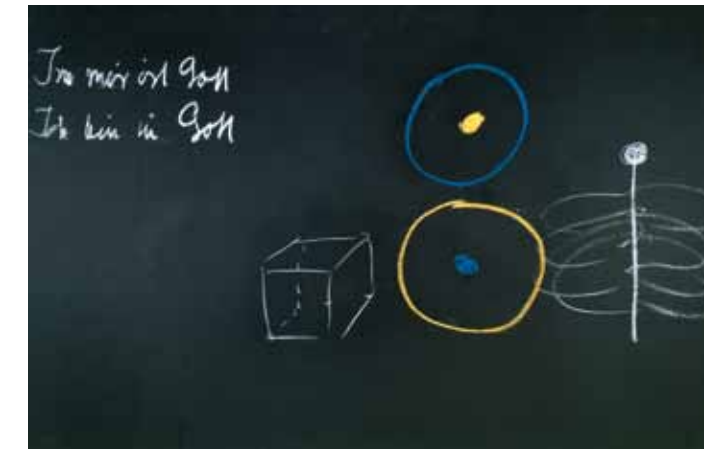
7 Froebel Gift No. 9: Rings for Ring Laying. c. 1880
Cardboard and steel, box: 4 1/4 x 5 1/4 x 1 3/8"
(10.8 x 13.3 x 3.5 cm)
Manufactured by Milton Bradley, Springfield,
Massachusetts (est. 1860)
The Museum of Modern Art, New York. Gift of
Lawrence Benenson



8 Froebel Gift No. 13: Cutting Papers. c. 1920
Paper, 9 1/4 x 6 1/8" (23.5 x 15.6 cm)
Manufactured by Milton Bradley, Springfield,
Massachusetts (est. 1860)
The Museum of Modern Art, New York. Gift of
Lawrence Benenson



9 Freehand drawing exercise, as reproduced in
*New Methods in Education: Art, Real Manual
Training, Nature Study*, by James Liberty Tadd
(New York: Orange Judd Company, 1899). 1899
The Museum of Modern Art Library, New York



10 Teaching materials conceived and
commissioned by Maria Montessori. 1920s
Wood, dimensions variable
Manufactured by Baroni e Marangon, Gonzaga,
Italy (est. 1911)
Collection of Maurizio Marzadori, Bologna



11 RUDOLF STEINER (Austrian, 1861–1925)
In mir ist Gott—Ich bin in Gott (God is in me—I am
in God), one from a series of drawings produced
during Steiner's lectures on anthroposophy. 1924
Chalk on paper, 40 3/16 x 59 13/16" (102 x 152 cm)
Rudolf Steiner Archiv, Dornach, Switzerland

12 RUDOLF STEINER (Austrian, 1861–1925)
Second Goetheanum, Dornach, Switzerland.
1924–28
Rudolf Steiner Archiv, Dornach, Switzerland

GLASGOW: CHILDREN IN THE CITY BEAUTIFUL

BY 1900 Glasgow had made a spectacular transformation from medieval city and classical mercantile center into an industrial powerhouse of the British Empire, a process of modernization that engendered shocking dislocations, both social and visual, with children as its beneficiaries and victims (no. 13). The name Glasgow (from the Gaelic *Glaschu*) signifies a “dear green place.” But was Glasgow “a green flowery world,” asked Thomas Carlyle, one of Scotland’s dourer prophets, or rather “a murky simmering Tophet,” a biblical term that conjured associations of child sacrifice?¹ The challenge for progressive designers was to reawaken a sense of Glasgow as a “dear green place,” infusing the city’s industrial culture with a mystical sense of nature and tapping into the remote Celtic past in much the same way that the Glaswegian anthropologist James George Frazer was doing in *The Golden Bough: A Study in Magic and Religion* (an expanded edition of which was published in 1900), his monumental and ongoing study of ancient belief systems underpinning modern scientific thought. Children were implicated in this aesthetic and social renewal in ways both symbolic and practical, at the receiving end of acclaimed innovations in school architecture, educational publishing, artistic interiors, and dress reform.

The designers Charles Rennie Mackintosh and Margaret Macdonald won international attention for a series of collaborative projects, including the design of their own home and, in 1900, the year they were married, their participation in the *Haus eines Kunstfreundes* (House for an art lover) competition sponsored by the German publisher Alexander Koch (no. 14). Their entry’s playroom emphasized the notion, widely held in reform circles, that the cultivation of an artistic sensibility began at home, with organic imagery particularly effective for children, themselves like plants in a garden. Here, electric light fittings took the form of stylized trees, enhancing a fairytale atmosphere as well as a sense of the psychological interiority particular to children. The dreamlike scheme, never realized, embodied the milieu, spiritual but not religious, in which artistic types aspired to raise their children.

The Mackintoshes had no children of their own but struck up close relationships with those of other artistic couples and clients. Hamish, the son of their client William Davidson, for whom Mackintosh designed a toy cupboard and schoolroom furniture, later recalled how “Uncle Tosh,” a keen gardener, had deliberately evoked the outdoor world with the furniture’s green-stained finish (no. 15).² The furniture was designed in a robust and simple style that, according to ideals of the Arts and Crafts movement, honestly expressed its means of

construction. Its forms were derived from vernacular Scottish types, offering a visual education in national traditions as well as in aesthetic, moral, and spiritual values.³

Glasgow’s enlightened school-building program, a central part of a vigorous program of civic improvements, was in part a pragmatic response to concerns about the health and moral welfare of working-class children. Scotland had a long-established reputation as one of the best-educated societies in the world, thanks to the Calvinist emphasis on self-improvement and reading the Bible, along with the holistic approach, developed during the Scottish Enlightenment, to knowledge, culture, and the environment. Mackintosh had designed his first school while still an assistant in the architectural firm Honeyman & Keppie, but it was not until Scotland Street Public School, his last complete building in Glasgow (no. 16), that he most brilliantly articulated a modern and aesthetically stimulating environment for children.⁴ The exterior of this school expressed “simply and directly, the natural form and purpose of the plan” and an educational philosophy aimed at developing the body and spirit of the child in as healthy and harmonious a manner as possible.⁵ There were separate entrances for boys and girls and one for infants in the center of the building; it was equipped with spacious cloakrooms on each floor, advanced heating and ventilation systems, an airy exercise hall (no. 17), and light-filled classrooms along spinal corridors on three floors, all planned in an elegantly simple solution to the Glasgow School Board’s brief.

But Mackintosh struggled to stay within his budget. He deviously tried to circumvent the Board’s financial restrictions by circulating two



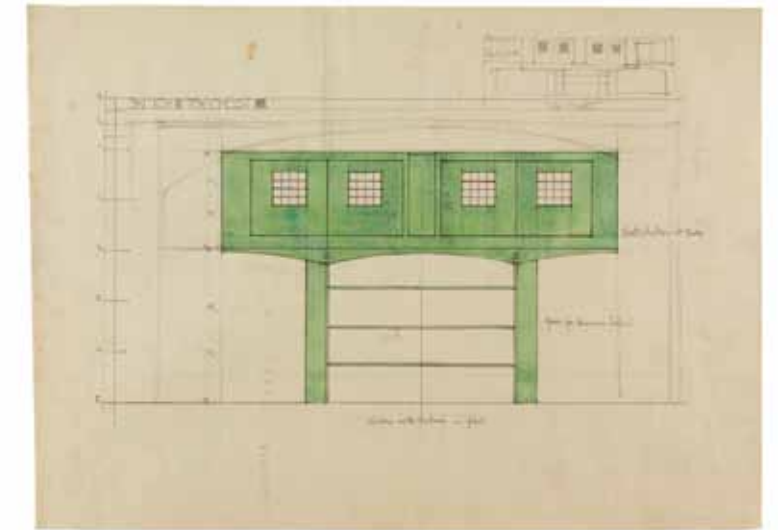
13 Children breaking sticks for firewood, from a series of photographs showing Glasgow backlands and slums. c. 1900
Glasgow City Archives and Special Collections

14 CHARLES RENNIE MACKINTOSH (British, 1868–1928) and MARGARET MACDONALD (British, 1865–1933)
Der Spiel-Raum der Kinder (Children’s playroom) from the folio *Haus eines Kunstfreundes* (House for an art lover). 1902
Lithograph, 15⁹/₁₆ x 20¹³/₁₆” (39.6 x 52.9 cm)
Published by Alexander Koch, Darmstadt, Germany
The Museum of Modern Art Library, New York



15 CHARLES RENNIE MACKINTOSH (British, 1868–1928)
Design for a toy cupboard for Windyhill, Kilmacoll. 1901
Pencil and watercolor on paper, 10³/₈ x 14⁵/₁₆” (26.4 x 36.4 cm)
The Hunterian, University of Glasgow

16 CHARLES RENNIE MACKINTOSH (British, 1868–1928)
Perspective drawing for Scotland Street Public School, Glasgow. 1904
Ink and pencil on thick wove paper, 21⁵/₁₆ x 43³/₈” (54.2 x 110.2 cm)
The Hunterian, University of Glasgow





17 Exercise Hall in Scotland Street Public School, Glasgow. c. 1916
Photograph commissioned by the Glasgow School Board
Glasgow City Archives and Special Collections



18 TALWIN MORRIS (British, 1865–1911)
Cover of the book *Shorter Fables*, by Jean de La Fontaine, no. 26 from Blackie's Little French Classics. c. 1902
6 1/2 x 4 1/4" (16.5 x 10.8 cm)
Edited by Arthur H. Wall
Published by Blackie & Sons Ltd, London and Glasgow
Private collection, New York



19 JESSIE M. KING (British, 1876–1949)
Dollhouse. 1912
Painted wood and leather, 18 1/2 x 28 1/16 x 11 1/2"
(47 x 71.2 x 29.2 cm)
Victoria and Albert Museum of Childhood, London



20 JESSIE M. KING (British, 1876–1949)
"The Frog Prince" nursery wall panel. c. 1910
Oil on panel, with frame: 20 1/16 x 33 7/16 x 2 3/16"
(52.5 x 84.9 x 5.5 cm)
Glasgow Life (Glasgow Museums) on behalf of Glasgow City Council, purchased with the support of the Heritage Lottery Fund

21 Daisy McGlashan and her daughters in reform dress. c. 1915
The Glasgow School of Art Archives and Collections

22 MARGARET A. R. WILSON (British, 1887–?)
Child's coat, needlecraft study piece executed by Wilson as a schoolgirl following exercises in *Educational Needlecraft* (1911), by Ann Macbeth and Margaret Swanson. c. 1912
Linen and thread, 22 1/2 x 31" (57.2 x 78.7 cm)
Glasgow Life (Glasgow Museums) on behalf of Glasgow City Council, gift of Mrs George Innes



sets of drawings: one for the Board and another for the contractors, with more expensive materials and elaborate decoration. The Board managed to rein him in, but he was able to retain the refined architectural details and references that made Scotland Street School a veritable palace of education for working-class children. The twin stair towers were derived from his studies of Falkland Palace, built 1501–41, during the Scottish Renaissance, and the fourteenth-century cathedral in Orvieto, Italy. Instead of the thick walls and small windows of the originals, Mackintosh sheathed the towers in curtains of glass that let the light stream in, giving body to his idea that entering good modern architecture should be "like an escape into the mountain air from the stagnant vapours of a morass."⁶ The "etherialization" of architecture, as Frank Lloyd Wright had called it in 1901, was a defining feature of the developing modern movement.⁷ An almost mystical sense of structure is emphasized, with pupils as part of a larger natural organism, and highly stylized stems, leaves, and flowers ornament the building both inside and out, so that it appears symbolically rooted in a manner that echoes the children's spiritual and physical growth.

The unified visual language characterizing the New Art in Glasgow was applied to all branches of knowledge and all aspects of modern life, including the design of cheap textbooks and children's books. The most striking of these were the spare linear designs of Talwin Morris for Blackie & Sons (no. 18), a Scottish company specializing in educational and religious publications that were distributed on a massive scale throughout the British Empire. Children's-book illustration and graphic design was an area in which many women excelled, chief among them Jessie M. King, who attended the Glasgow School of Art and from 1899 taught design and bookbinding and subsequently embroidery and ceramic decoration. Her childlike vision and understated technical brilliance in many mediums attracted the attention of *The Studio*, a leading international arts magazine, which went on to frequently publish her work; at the 1902 *Prima esposizione internazionale d'arte decorativa moderna*, in Turin, she won a gold medal for her binding of *L'Évangile de l'enfance*. In 1913 *L'Exposition de l'art pour l'enfance*, a major exhibition of design for children, was held at the Musée Galliera in Paris, and King contributed an entire nursery, including a dollhouse in a modernized

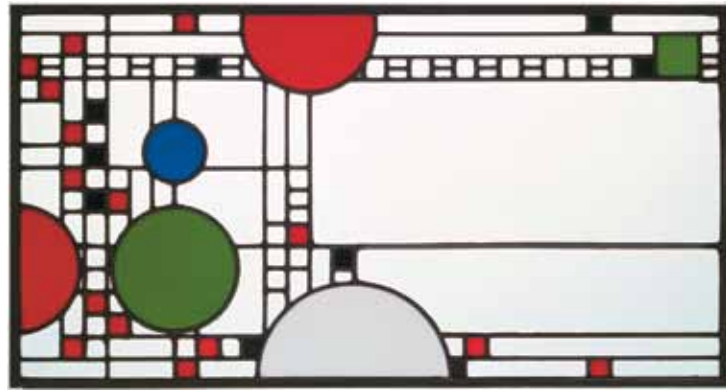


vernacular style (no. 19) and a panel illustrating an episode from "The Frog Prince" (no. 20). By using fairy-tale iconography, she encouraged children to enter and share her make-believe world; in other works, including batik textiles and ceramics, she involved them as active participants in the processes of design and production.

Many women designers were inspired by the radical approach of Jessie Newbery, whose teaching in the department of embroidery at the Glasgow School of Art established embroidery as a specialist subject linked to other arts. Newbery felt strongly that embroidery was a utilitarian art form available to all social classes and age groups, and she attempted to develop the individual creativity of each student. King and Daisy McGlashan were among her students, and they went on to make loose-fitting, highly individual clothes, for themselves and their children, using basic stitches and cheap materials (no. 21). Newbery's methods were brought to a German audience by Anna Muthesius, the wife of the influential German architect and writer Hermann Muthesius, in her book *Das Eigenkleid der Frau* (Do-it-yourself women's dress, 1903), and were critically acclaimed when shown in international exhibitions of the period. Even more influential in disseminating the Glasgow design philosophy were the School of Art's Saturday-morning classes for schoolteachers, started in 1899, and later run by Ann Macbeth, one of Newbery's most talented pupils, who succeeded her as head of the department of embroidery. Macbeth, with Margaret Swanson, wrote *Educational Needlecraft* (1911), a textbook, used in schools throughout Britain and the Empire into the 1950s, that led girls through a curriculum of carefully graduated exercises designed to hone both aesthetic sensibility and manual skills, from simple to more elaborate work, that paralleled the way older art students were being taught at the School of Art (no. 22). The teaching was both practical and stimulating to individual creativity, equipping women and girls with the means to express themselves artistically and to shape their everyday surroundings.

Juliet Kinchin

CHICAGO: PROGRESSIVE ERA LABORATORY



FRANK LLOYD WRIGHT described the vibrant stained-glass windows of the Avery Coonley Playhouse (no. 23), the addition he designed in 1912–13 for the suburban Chicago estate of the industrialist and his wife, Queene Ferry Coonley, as a “kinder-symphony.”¹ Like Wright’s mother and his first wife, Catherine, Mrs. Coonley was drawn to Friedrich Froebel’s educational system (see “The Kindergarten Movement: Building Blocks of Modern Design,” p. 30), and she commissioned the playhouse as a kindergarten for her youngest daughter and neighborhood children. The building, which featured a stage and a child-proportioned kitchen (no. 24), was encircled by a band of windows composed of brightly colored geometric motifs, inspired by a parade, which playfully suggest from the exterior that the school is filled with balloons, confetti, and flags. With this gesture, Wright paid homage to the basic forms of Froebel’s Gifts, which he described as an epiphany, and departed from his established decorative motif of abstract plants to one of pure shapes.² He also demonstrated a remarkable capacity for childlike joy at a time when he was being ostracized for leaving his own family — including six children — to be with his mistress, Mamah Borthwick Cheney.³

Early-twentieth-century Midwestern manifestations of the Prairie School were rarely so whimsical, but they did regularly incorporate design for children, as the architects associated with that primarily residential movement sought to unify buildings and interiors, including their own homes (no. 25). Children were a spiritual inspiration for these architects, as they were in contemporary movements in other countries. In his “Kindergarten Chats,” a series of articles published from 1901 to 1902, Louis H. Sullivan, champion of “form follows function,” explicitly encouraged a childlike interpretation of nature and form as the pure source for a modern, organic, and uniquely American architecture.⁴ “The kindergarten has brought bloom to the mind of many a child,” he

observed. “But there is, alas! no architectural kindergarten — a garden of the heart wherein the simple, obvious truths, the truths that any child might consent to, are brought fresh to the faculties.”⁵ At the helm of one of the most prestigious architectural firms in Chicago, Sullivan became *Lieber-Meister* to the young Wright, still fresh from his native Wisconsin when he was hired in 1888. In 1901–03 Wright built the rural Hillside Home School complex (no. 26) for his aunts Ellen (Nell) and Jane Lloyd Jones, the teachers who had given him John Ruskin’s *Seven Lamps of Architecture* (1849) and other formative texts.⁶ In sandstone structures on his family’s sloping land near Spring Green, Wisconsin, Wright created grand spaces for an assembly hall, gymnasium, physics laboratory, and art studio, in addition to standard classrooms.

In 1901 Wright delivered a lecture, “The Art and Craft of the Machine,” at Chicago’s Hull House, a settlement house established in 1889 and the site of the founding of Chicago’s Arts and Crafts Society. Hull House was a pioneering force in a local modern phenomenon: a network of Progressive Era reform efforts in Chicago with children as their overarching concern. Chicago, the second largest city in the United States, was a hotbed of muckraking and activism and in the first decades of the twentieth century was both socially and physically redesigned to benefit its youngest residents. Hull House became famous for its various local activities, including providing social services for the poor (no. 27), organizing labor groups and ethnic clubs for immigrants, and agitating for improvements in sanitation, housing, working conditions, and health care.⁷ But its first organized undertaking was, in fact, a kindergarten, run by volunteers in the drawing room.⁸ Cofounder Jane Addams never had children of her own, but she argued passionately for them and became a national authority on child labor. Hull House also provided a number of clubs whose purpose was “arousing a higher imagination” in children, primarily through handwork, which public schools rarely offered, and then only for older students.⁹

This kind of handwork (sewing, for example), sympathetic both to contemporary Arts and Crafts sensibilities and the exigencies of Hull House’s working-class residents, was one of the defining characteristics of a new educational system pioneered a few miles away at another landmark of Progressive Era Chicago: John Dewey’s Laboratory School. In 1896 Dewey, chairman of the department of philosophy, psychology, and pedagogy at The University of Chicago, began the school as an experiment, which continues today. Believing that “education is the fundamental method of social progress and reform,” he rejected traditional curricula, based on memorization, recitation, and strict discipline,



23 FRANK LLOYD WRIGHT
(American, 1867–1959)
Clerestory window from Avery Coonley Playhouse, Riverside, Illinois. 1912–13
Clear and colored glass in zinc matrix, 18⁵/₁₆ x 34³/₁₆” (46.5 x 86.8 cm)
The Museum of Modern Art, New York.
Joseph H. Heil Fund

24 FRANK LLOYD WRIGHT
(American, 1867–1959)
Kitchen of Avery Coonley Playhouse. 1912–13
Photograph attributed to Wayne Andrews
The Museum of Modern Art, New York.
Department of Architecture and Design
Study Center

25 WILLIAM EUGENE DRUMMOND
(American, 1876–1946)
High chair designed for the architect’s residence in River Forest, Illinois. 1902
Stained oak and leather, 39 x 17 x 15¹/₄” (99.1 x 43.2 x 38.7 cm)
Price Tower Arts Center, Bartlesville, Oklahoma

26 FRANK LLOYD WRIGHT
(American, 1867–1959)
Hillside Home School, Spring Green, Wisconsin. 1901–03
The Frank Lloyd Wright Foundation,
Talesin West, Scottsdale, Arizona



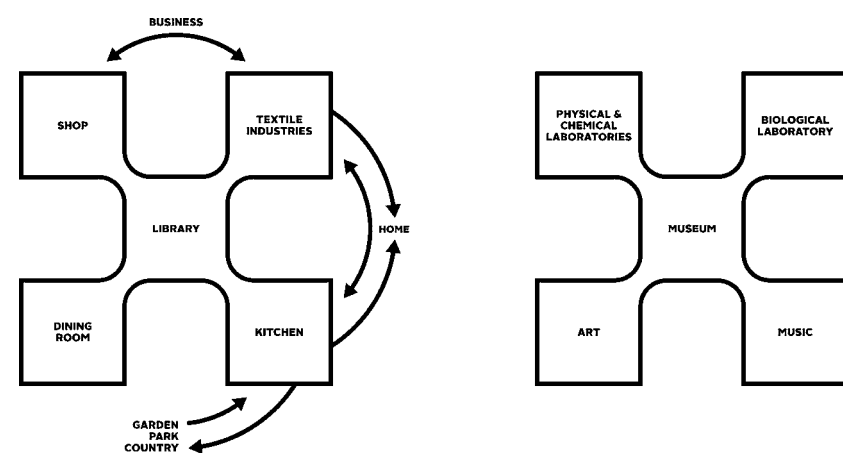


27 LEWIS HINE (American, 1874–1940)
Tenement Family, Chicago. 1910
 Gelatin silver print, 4⁵/₈ x 6¹/₂" (11.8 x 16.5 cm)
 The Museum of Modern Art, New York. Purchase

28 Manual training at the University
 Elementary School, Chicago. c. 1904–06
 Special Collections Research Center,
 University of Chicago Library

29 Diagrammatic representation based on
 John Dewey's ideal visions for school building,
 reproduced in his book *School and Society* (1923)

30 Lawn Swing at the Women's Gym, Mark White
 Square, South Park System Chicago. c. 1905
 Photograph by the George R. Lawrence Co.
 Chicago Park District Special Collections



and instead conceived of a school as a lively, cooperative community.¹⁰ In accordance with this idea, Dewey promoted manual education to keep children alert and active and encourage teamwork. Young Lab pupils—boys and girls together—practiced woodworking, basketry, cooking, sewing, clay modeling, printing, and bookbinding, thus learning practical life skills and achieving sensory, aesthetic, and expressive growth (no. 28). With the building of the University's Belfield-Blaine complex (1901–04), Dewey's ideal visions (no. 29) became concrete. Advanced facilities on multiple levels, including workshops, kitchens, laboratories, art and music studios, and an industrial museum, belied the buildings' elaborate historicist facades with their maximum natural light and ventilation, red cement floors, and gray brick walls.

Playgrounds (no. 30) were central to the missions of both Hull House and the Laboratory School, and the former gave Chicago its first public playground, on Halsted Street, in 1893. In 1890 only a single public playground existed in the United States, and in the early 1900s they were still not widely available. As concern grew about the safety, physical and moral health, and delinquency of urban children, dovetailing with an increased national fervor for physical culture, reformers began to rally. Chicago was not the birthplace of America's playground movement, but it was there that the movement's ideals reached their fullest expression, with an ambitious system of public parks and neighborhood playgrounds that provided a model for cities across the country as well as in Europe and Japan.¹¹ This revolution began in the late 1890s, when the Municipal Science Club began studying the need for breathing spaces in Chicago, where rapid urbanization, industrialization, and immigration were causing unprecedented overcrowding and health concerns. Affluent neighborhoods benefited from large parks and boulevards, but most children played in streets and prairies (empty lots). "While this has been called the children's age," wrote Sadie American, an activist, "they have not yet been accorded their full rights. Place to play is one of these."¹² In 1898 the club hosted the photojournalist Jacob Riis, who showed its members flash-lit photos of squalid urban

tenement interiors.¹³ The club took these images to heart, along with warnings by advocates such as Joseph Lee ("The child without the playground is father to the man without a job"), and petitioned the city for play spaces and equipment.¹⁴ The following year, Mayor Carter Harrison established a special parks commission, and soon President Theodore Roosevelt was holding up Chicago's South Park system as "one of the most notable civic achievements of any American city."¹⁵

In June 1907 the Playground Association of America gathered two hundred "playmates" (a term used in opening remarks by Frederick Greeley, president of the association's Chicago chapter) from thirty cities in Chicago for its first national convention.¹⁶ The event confirmed and made a model of the city's commitment to children. "Chicago forgot its commercialism," one attendee reported. "The tense and earnest onrush of its life paused for the brief space of one day in one corner of its great throbbing hulk."¹⁷ By the time British researcher Walter Wood surveyed the country in 1913, Chicago had spent \$11 million over ten years to develop playgrounds, and he confirmed the widely held belief that "the parks and playgrounds in Chicago are the finest in the United States."¹⁸ Chicago's playgrounds, with swings, slides, seesaws, sand heaps, shaded areas, and paddling pools, were integrated in the extensive network of parks, the acreage and care of which still distinguish this dense city. Celebrated designers, including Daniel Hudson Burnham, Jens Jensen, Frederick Law Olmsted, Jr., and Dwight H. Perkins, helped direct a renaissance of natural and manicured spaces, vitalizing a city devastated only a few decades before by the Great Fire. This combination of progressive activism and design for children also transformed Chicago's adults, creating a change in the general urban spirit that did not go unnoticed by Wood. "The spectacle of the people of an industrial city like Chicago at play in the parks through the summer evenings," he wrote, "is the spectacle of a city working out its own salvation."¹⁹

Aidan O'Connor

COMICS AND EARLY ANIMATION

ALTHOUGH COMICS AND ANIMATION, two art forms initially created for children, are rooted in earlier forms of visual narrative and popular culture, it wasn't until the twentieth century that they began to have a profound and global impact on modern visual culture. In the space of just a few years during the 1890s, the modern mass-circulation comic appeared in Europe and the United States. Generally following the adventures of an individual or small group of characters, their distinctive features were a narrative sequence of framed panels supported by supplementary text or speech bubbles. It was the younger, anti-establishment characters with a marked disrespect for adult authority that became most popular. The characters in *The Yellow Kid* and *The Katzenjammer Kids* were constantly getting into scrapes, which they always survived, even if the laws of physics had to be contradicted. The comics, which drew on folktales and popular vaudeville humor, also established a new childish (or childlike) taste in the mainstream media: a fantasy world of danger and absurdity that was both transgressive and reassuring for children, because shared by many others of their age group.

The drawing style in these early comics was quite bold, but the approach to narrative and layout was fairly conventional. It was precisely this formal aspect that was addressed by Winsor McCay and Lyonel Feininger, the two great illustrators of American comics in the first decade of the twentieth century. In 1905 the *New York Herald* launched McCay's *Little Nemo in Slumberland* and, with it, a design revolution in children's comics. In a dream world Little Nemo ("nobody" in Latin) undergoes the most extraordinary and occasionally frightening experiences, but he always wakes up, in the final scene, in or beside his bed—a trope whose logic is grasped immediately. Although the places that Nemo visits and the fantastic processes that transport him are original, it is the mode of representation and, especially, the striking reorganization of the page layout that established a new standard in popular design. *Little Nemo* had only mixed success, but it prepared the way for a form of graphic narrative in American children's comics that had little, if any, equivalent in Europe.

In 1906 the German-American illustrator Feininger published the first installments of *The Kin-der-Kids* and *Wee Willie Winkie's World* in the *Chicago Sunday Tribune* (no. 31). Like McCay, Feininger conceived of the comic strip as a full-page layout enlivened by radical and inventive experiments in scale, sequence, and format. Feininger announced the style of the comic in a full-page illustration that showed him manipulating puppets, with the caption "Feininger the famous German

artist exhibiting the characters he will create" (no. 32); from here the Kids embarked on a series of absurd and humorous adventures, often in their ocean-going bathtub, as they tried to avoid their formidable Auntie Jim-Jam and her much-feared castor oil. The drawing style of *The Kin-der-Kids* and *Wee Willie Winkie's World* strips (no. 33) has attracted a good deal of attention, largely because Feininger subsequently achieved success as an Expressionist artist in Germany, but many of the devices he later employed in his paintings, including distortions of scale and viewpoint, were already part of his repertoire as a comic artist. Was he a modernist painter applying avant-garde techniques to comics? Or a comic artist whose mastery of physical exaggeration and expressive effects prepared him for a career as an Expressionist painter? Both are equally likely. What is not in doubt is the imaginative gusto that he brought to comics, experimenting with stylistic features more commonly associated with Secessionist book illustration in Germany and Austria.

This sense of fantasy playing out in the illusion of the printed page led directly to early animated cartoons. In 1911 McCay described his animated film *Little Nemo* as "moving comics" in which he enacted the process of drawing on-screen before allowing his characters to take over.¹ The performative aspect was even more evident in *Gertie the Dinosaur* (no. 34), from 1914, in which McCay animated a dinosaur and conversed with it from a lectern on the stage; he then extended the illusion by walking into the screen to climb on its back, a vaudeville-style act that reflects a fascination with the process of animation. Other designers saw the potential for animated films to become an independent medium, but most of the characterization and narrative techniques in early examples were derived from strip cartoons; *Felix the Cat* (1919), *Steamboat Willie* (1928), *Betty Boop* (1929), and *Tom and Jerry* (1940) could have stepped directly from the frames of a children's comic into the new space of the movie screen.

To this day, American animated films produced by mainstream studios are aimed primarily at children, albeit with a nod to adult viewers. But an alternative tradition of experimental animation explored by avant-garde artists and designers is increasingly making an appearance in the mainstream cinema as well as in the wider market of comic books and graphic novels.

Juliet Kinchin



31 LYONEL FEININGER (American, 1871–1956)
Wee Willie Winkie from *Chicago Sunday Tribune*,
November 4, 1906
Lithographed comic strip, 23³/₈ x 17¹³/₁₆"
(59.4 x 45.3 cm)
Published and printed by Tribune Company, Chicago
Edition: 215,322
The Museum of Modern Art, New York. Gift of
the artist

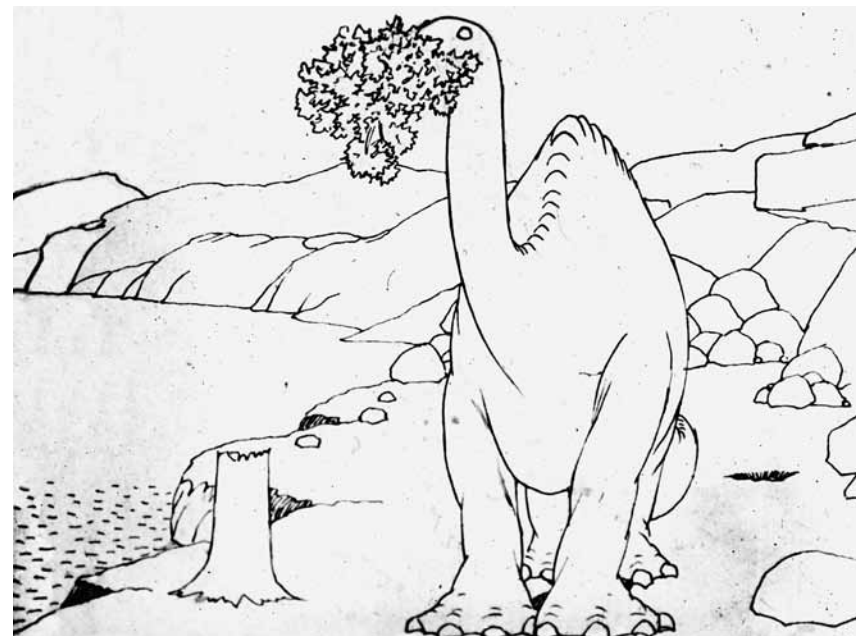


32 LYONEL FEININGER (American, 1871–1956)
The Kin-der-Kids from *Chicago Sunday Tribune*,
April 29, 1906
Lithographed comic strip, 23³/₈ x 17¹³/₁₆"
(59.4 x 45.3 cm)
Published and printed by Tribune Company, Chicago
Edition: 215,322
The Museum of Modern Art, New York. Gift of
the artist



33 LYONEL FEININGER (American, 1871–1956)
Studies for the comic strip *The Kin-der-Kids*. 1906
Recto: ink, pencil, crayon, and watercolor on paper; verso: pencil on paper, 12 3/8 x 9 1/2" (31.4 x 24.1 cm)
The Museum of Modern Art, New York. Gift of Julia Feininger

34 WINSOR MCCAY (American, 1871–1934)
Animation still from *Gertie the Dinosaur*. 1914
35mm print (black-and-white, silent), 7 min.
The Museum of Modern Art, New York



ROME: MODERN ARTS, CRAFTS, AND EDUCATION

DESPITE POLITICAL UNIFICATION in 1861 and momentum for social change in the years leading up to 1900, Italy remained at the margins of industrialized Europe, lagging far behind in terms of economic, social, and technological development.¹ But a small number of radical artists and educational reformers, eager to break the conservative stranglehold in Rome, were dedicated to addressing the desperate plight of children in the city and surrounding countryside. Although they did not share a common program, the social, aesthetic, and educational agendas of this small group converged at the 1911 *Esposizione internazionale d'arte* in Rome.

Francesco Randone (no. 35), a painter and potter with an idealist mission of providing all children with an artistic education, established La Scuola d'Arte Educatrice in 1890, a studio and small private school that survives to this day. Classes were modeled on principles of the Arts and Crafts movement that encouraged learning by doing and breaking down distinctions between architecture, art, design, and craft. Randone and his pupils were given permission from Italy's minister of education to inhabit and repair a dilapidated section of the Aurelian Walls, which had encircled the ancient heart of Rome since 275 AD (no. 36). Conceived in the belief that art was a medium for unifying, elevating, and consoling—which was reinforced by his theosophical convictions—Randone's project was both practical and visionary: the lives of children (including his own brood of seven) would be enriched by releasing their creative potential through practical arts-and-crafts classes and by involving them directly in the process of urban renewal. With the children he was rebuilding civic culture in microcosm, from within, arresting the physical, psychological, and social degeneration represented by the dilapidated state of the ancient walls. His program, revolutionary in its simplicity, would “teach what is not taught in public schools” by giving children the space and materials to develop their creativity independently.² Lessons were free, and a text on the entrance walls read, “No differences exist between children. Paper, crayons, clay will be provided for all.” Pupils decorated the furniture (no. 37) and interior walls of the ancient edifice with brilliant colors and created small ceramic bricks and artifacts that were fired on-site (a kiln was added in 1895).

Among the frequent visitors to the school were the Futurist artist-designers Giacomo Balla, Fortunato Depero, and F. T. Marinetti, who



were interested in children's creativity and craftwork despite their technological orientation, and occasionally joined the children in the experimental creation of everyday objects (see “Italy: The Unruly Child,” p. 66). In 1906 the school also caught the attention of Maria Montessori, who would establish her first Casa dei Bambini in Rome in 1907. While studying for her medical degree at the Regia Università di Roma Sapienza, the first woman to qualify there, she had developed a particular interest in the creative potential of children categorized as feeble-minded. From systematic analysis of their play, she devised an activity-based teaching method that used material objects to stimulate their senses, and to this she added Randone's way of encouraging infants to work with clay—decorating it, baking it, and appreciating the finished object. “I thought I would experiment in the Casa dei Bambini,” Montessori wrote, “with some of the really interesting works that I'd seen being made by an ingenious artist, Professor Randone, in the Scuola d'Arte Educatrice.”³ She openly admired his promotion of civic values by educating young people to be kind toward the environment, “having respect for objects, buildings and monuments.”⁴ For Randone and Montessori the process of education was dictated not by the teacher but by the teaching materials, which children explored at their own pace (no. 38), and the innovative model of the Casa dei Bambini, outlined in Montessori's 1909 publication about her method, developed an international following.⁵

The situation for the impoverished population in the Roman countryside was particularly dire in those years. Malaria was rife,

35 Francesco Randone with his son Belisario. c. 1906
Archivio Randone, Rome

36 Interior of Francesco Randone's Scuola d'Arte Educatrice. Photograph taken 2011



37 Pupils of Francesco Randone. Painted stool from La Scuola d'Arte Educatrice. c. 1920–30. Archivio Randone, Rome



and, living in a depressed agrarian economy, the people were largely uneducated, malnourished, and exploited by the landowners whose fields they tended. The high level of illiteracy made many of them unable even to follow simple instructions for taking lifesaving medication. Anna Celli, the wife of an eminent malariologist; the writer Sibilla Aleramo; and several artists and designers, most notably Balla, his brother-in-law Alessandro Marcucci, and Duilio Cambellotti, joined forces to establish schools for the rural poor. Marcucci described their didactic and civil program as “an action of preparation — one might even say the action of an avant-garde. This work precedes the inevitable transformation of rural life and presupposes a new cultural and economic order.”⁶

In 1911, at the *Esposizione internazionale d'arte* in Rome, mounted to celebrate the fiftieth anniversary of Italian unification, the committee drew international attention to the cause by exhibiting a rustic *capanna*, or hut. For Cambellotti and Marcucci, this vernacular structure represented both the source of their artistic inspiration and a demonstration of their social commitment to children. They were inspired by personal contact with two Russian champions of the poor and oppressed: Leo Tolstoy, whose portrait by Balla was given pride of place in the *capanna*, and Maxim Gorky, who had visited Cambellotti in his studio. The Rome exhibition was partly a nation-building exercise, the familiar form of the thatched *capanna* intended to mobilize a collective sense of national belonging and renewal through a symbolic return to origins, and it also highlighted the primitive conditions in which the rural population lived, and raised money for new schools by selling peasant and artistic crafts. Marcucci went on to design school desks and chairs (nos. 39, 40) in 1914, using simple plank construction and locally grown wood in an Arts and Crafts style. The patterns were designed to facilitate manufacture by nonprofessionals, and many copies were produced and subsequently remained in use through World War II.

These schools were but one example of the humanitarian work for children that preoccupied Cambellotti and Marcucci over the next two decades; others included the design of teaching materials, toys, and children's books and the collaborative furnishing and decoration of schools. During World War I Cambellotti worked with disabled veterans to manufacture hand-painted children's toys using plywood and cheap timber offcuts. Their radically simplified forms and economic use of materials required little specialized fabrication, thus providing a model for the industrial manufacture of modern and artistic toys.

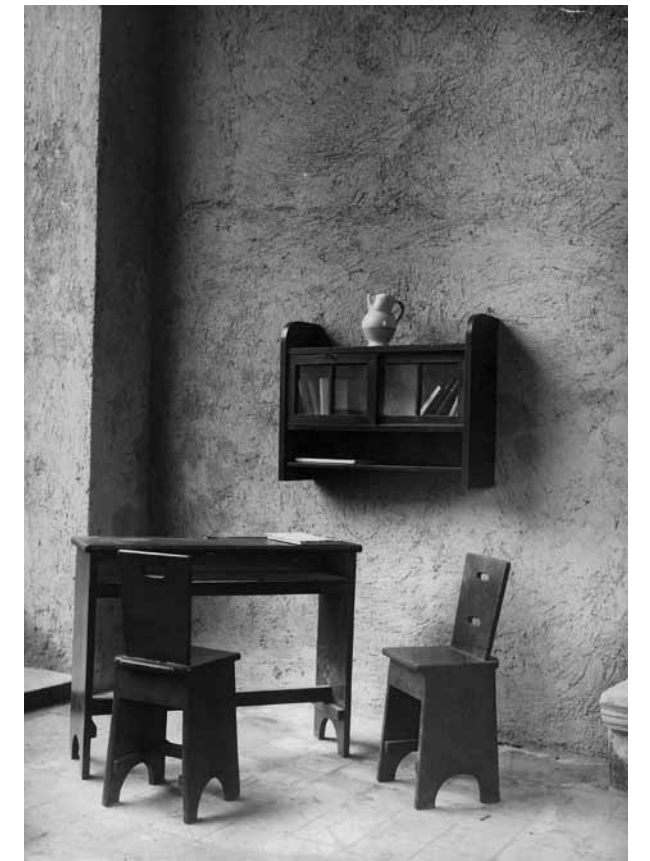
Juliet Kinchin



38 Montessori School, Arezzano, Italy. 1927. Archivi delle Arti Applicate italiane del XX secolo, Rome

39 ALESSANDRO MARCUCCI (Italian, 1876–1968). Chairs and desk from a school for the rural poor. c. 1914. Wood, desk: 30⁵/₁₆ x 38³/₈ x 12⁵/₈" (77 x 97.5 x 32 cm); chairs (each): 30⁵/₁₆ x 12⁵/₈ x 10¹/₄" (77 x 32 x 26 cm). Collection of Maurizio Marzadori, Bologna

40 ALESSANDRO MARCUCCI (Italian, 1876–1968). Desk, chairs, and small bookcase from a school for the rural poor. 1914–15. Archivi delle Arti Applicate italiane del XX secolo, Rome



LIVING IN UTOPIA: CHILDREN IN THE GÖDÖLLŐ ARTS AND CRAFTS COLONY



NOSTALGIA FOR the integrity of rural life inspired the artist Aladár Körösfői Kriesch to settle in Gödöllő, Hungary, near Budapest, with his family in 1901. They were soon joined by Kriesch's sister Laura, her husband, Sándor Nagy (no. 41), and other like-minded young artists, designers, and architects in search of a fulfilling and philosophically rich lifestyle. This Arts and Crafts colony, which flourished from 1901 to 1920, was one of many established throughout Europe and the United States during those decades, but it was distinguished both by its emphasis on shaping a national consciousness through modern crafts and by its focus on children at the heart of a utopian vision of shared life and work.¹ Drawing inspiration from the ideal vision of peasant life celebrated by Leo Tolstoy and by British Arts and Crafts designers (above all William Morris and Charles Ashbee), the colony members promoted an egalitarian, cooperative view of social relations and enlightened attitudes toward women and children. A belief in existence as an almost continuous source of joyous affirmation underpinned their approach to life and art. "We love others when we consider ourselves the small offshoots, leaves or flowers of the great common tree of life," proclaimed Kriesch, on the occasion of an exhibition of Gödöllő arts and crafts at the Budapest National Salon in 1909. "What our day-to-day work produces in the light of this jubilant joy in living is our art. We know no other artistic program."²

Both the search for totality of expression and the belief in the socially and spiritually transformative power of art was rooted in the concept of the colony as a collaborative *Gesamtkunstwerk*, a unified work of art that would be created by every colony member in every medium, from buildings and stained glass to clothing (no. 42) and toys. The architectural design and decoration of the colony's living spaces encouraged this sort of work, in particular the children's rooms (nos. 43, 44), like those designed by Nagy and Ede Toroczkaí Wigand and by Mariska Undi, which provided a space for open-ended interaction between adults and children and, more generally, a model for the reform of domestic design and lifestyle. In these spaces, children's spontaneity and pleasure in learning and their relationships with adults, stifled by urban life, would flourish; they were encouraged to participate in a way of life — working in the craft studios, drawing at home, playing in a natural environment — that would foster self-sufficiency and unhampered development of the individual (no. 45).

By modernizing traditional crafts and adding a heightened focus on the needs of children, the colony was making a conscious attempt to bolster a sense of national belonging and to offset the destabilizing

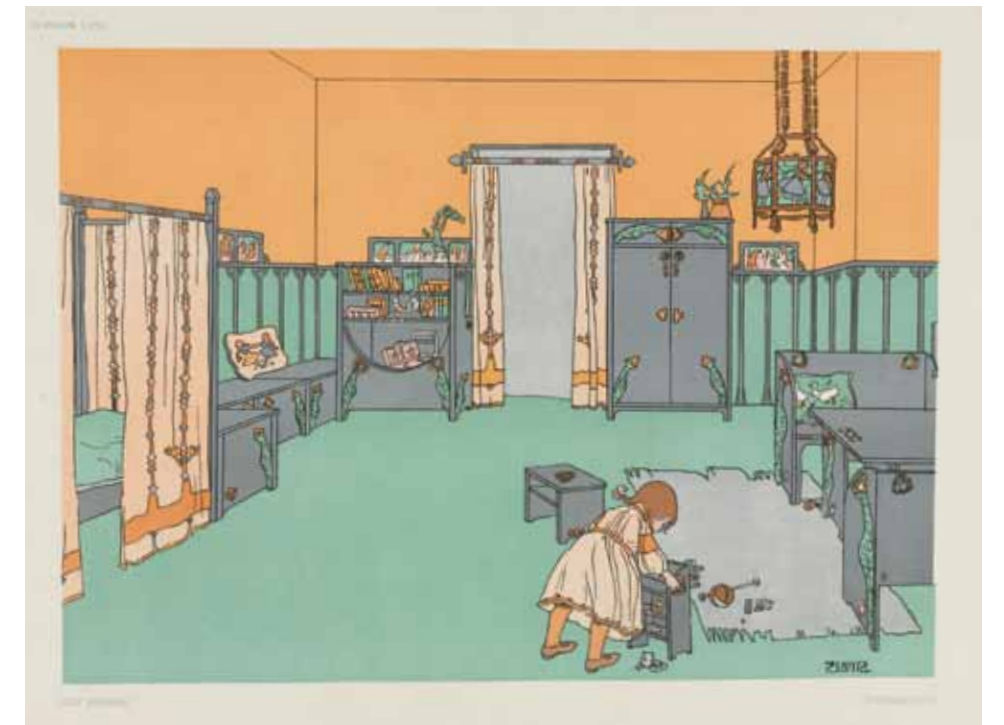


41 Sándor Nagy, Laura Kriesch, and their daughter in reform dress. 1903
Photograph by Elek Lippich, Hungarian Minister of Culture
Gödöllő Town Museum, Hungary

42 LAURA KRIESCH (Hungarian, 1879–1966)
Child's embroidered bodice. c. 1903
Cotton embroidery on linen, 5 1/8 x 11" (13 x 28 cm)
Gödöllő Town Museum, Hungary

43 SÁNDOR NAGY (Hungarian, 1869–1950) and EDE TOROCZKAI WIGAND (Hungarian, 1869–1945)
Design for children's room. 1904
Lithograph, 11 5/8 x 16 1/4" (29.5 x 41.3 cm)
Published by the Hungarian Ministry of Culture in *Mintalapok* (Pattern sheets) (1904), new folio 2 (X), no. 2, sheet 1
The Museum of Modern Art, New York. Purchase

44 MARISKA UNDI (Hungarian, 1877–1959)
Design for children's room. 1903
Lithograph, 11 5/8 x 16 1/4" (29.5 x 41.3 cm)
Published by the Hungarian Ministry of Culture in *Mintalapok* (Pattern sheets) (1903), new folio 1 (IX), no. 1, sheet 2
The Museum of Modern Art, New York. Purchase





45 Gödöllő children in summer. c. 1910
Gödöllő Town Museum, Hungary

46 Children weaving. 1910
Photograph by Rudolf Balogh
Gödöllő Town Museum, Hungary

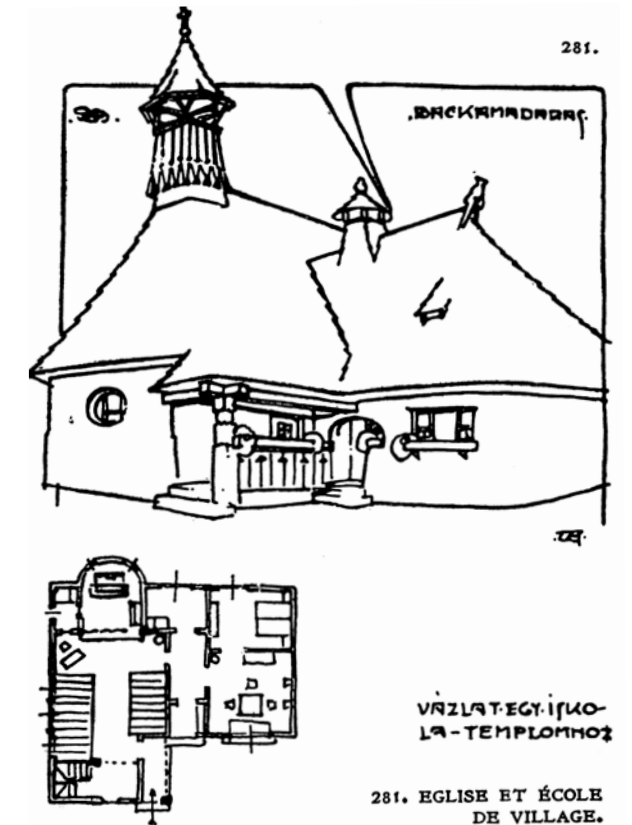
47 JÁNOS VASZARY (Hungarian, 1867–1938)
The Fair – Gingerbread Stall, wall hanging woven
by children in the Gödöllő Weaving Workshop. 1905
Woven wool, 39³/₄ x 64¹⁵/₁₆" (101 x 165 cm)
Gödöllő Town Museum, Hungary



48 EDE TOROCZKAI WIGAND
(Hungarian, 1869–1945)
Perspective drawing and plan for church-school,
as reproduced in *Magyar Iparművészet* (vol. 12). 1910
Private collection, New York

effects of rapid and uneven socioeconomic change by referring to a natural, spiritual order. Yet the Gödöllő project was not simply the romantic escapade of a few Arts and Crafts devotees attempting to live out a rural idyll; in fact it was part of a government-sponsored movement to develop a Hungarian national style that combined colorful, traditional folk culture with technological innovation and a response to international artistic currents. Despite the radical socialism that informed their pronouncements on art and the unconventional aspects of their lifestyle (vegetarianism, sandal wearing, reformed dress, nude bathing, and sleeping outdoors), the activities of the Gödöllő artists had the financial support of the Hungarian Ministry of Education and Culture and were part of larger ambitious programs for craft and design training and school building implemented throughout Hungary. The Gödöllő community supported itself with a weaving school, opened in 1904 and run by a Belgian artist, Leo Belmonte, that in 1907 became a national training center. At its height it employed about forty weavers, many of them children, who were encouraged to draw and experiment with color and pattern as well as working at the looms (no. 46). The most skilled girls executed designs by established artists, such as János Vaszary, that often featured children in them (no. 47). The bold flattened treatment of the figures was a clear reference to Vaszary's own painterly preoccupations and those of the Nabis and other Symbolists, but the medium — wool — was also part of the message; more than oil paint, textile arts in Hungary had the potential to communicate the values of social interconnectedness and continuity that were central to Arts and Crafts ideology.

Several of the colony's leading artists and architects devoted themselves to the design of children's furnishings, clothes, and toys as part of a wider government-sponsored strategy to galvanize the aesthetic development of traditional home industries. Work by the Gödöllő artists was aggressively promoted at international exhibitions before World War I, such as the nursery designed by Undi for the Saint Louis World's Fair, or Louisiana Purchase Exposition, in 1904, in order to highlight the country's progress in educational reform and its development of a modern craft idiom. The Undi scheme, along with many other designs for children, was published in pattern sheets by the Ministry of Culture and distributed around the country for use in elementary and specialist schools as well as in factories and workshops (no. 44). Even subsidized, however, and with a high level of positive exposure at international exhibitions, the finished products were rarely profitable.



At Gödöllő the emphasis on community values, social cohesion, and the integration of art into everyday life had been tested on a small scale, but these ideas were taken to a new level by some colony members' involvement in a spurt of school-building projects throughout Hungary between 1907 and 1913. A national system of schooling and standards of literacy, including the introduction of Hungarian crafts in the curriculum, was seen by the government as critical for the cultural assimilation of a linguistically and ethnically diverse population. István Bárczy, the mayor of Budapest, who had once served in the Ministry of Education, embarked on an ambitious program of architectural commissions, including the construction of fifty-six schools, which would cement Budapest's reputation as a world city run by an enlightened municipal authority. Groups of artists from Gödöllő contributed mosaics, stained glass, ceramics, and architectural sculpture to these schools, while Wigand, far away from Budapest, in rural Transylvania (now part of Romania), designed a series of multifunctional church-schools that were innovative in their planning and reductionist treatment of vernacular sources (no. 48). In addition to responding to the local communities' need for flexible shared space, these National Romantic-style buildings made young pupils aware of their heritage of Hungarian design.

Juliet Kinchin

VIENNA: DRAWING OUT THE CHILD WITHIN



GUSTAV KLIMT, the artist who led the Viennese Secession — the break, in 1897, from the traditional Künstlerhausgenossenschaft (Association of Austrian artists) — communicated a profound ambivalence about the emerging cultures of modernity and childhood in a painting of a pregnant woman entitled *Hope II* (see p. 28, no. 1). In this composition the gestation of the New Art and the new child is symbolically merged with the modern ornamental language decorating a gown that obscures the mother's swollen belly, but the unborn child as an embodiment of hope is complicated by unsettling allusions to sex and death in the form of a skull attached to her like an incubus. The anxiety suggested by this coupling was mirrored in the intellectual and aesthetic ferment of Vienna at the turn of the century, above all in the emergence of psychoanalysis. Sigmund Freud's theory of child development as a series of psychosexual stages driven by libidinal desires worked in opposition to the relentless mythologizing of children as paradigms of innocence and joy. Although he was primarily concerned with mental excavations that led to healthy adulthood rather than with ameliorating the experience of childhood itself, Freud recognized the distinctiveness of children as individuals, taking seriously their fantasy worlds and mental anguish; in this sense he added an influential, albeit controversial, voice to calls for less repressive childcare and education.¹

Franz Cizek, a pioneering Viennese educator also intrigued by the child within, started independent art and craft classes for children in 1897. He described his teaching method as a process of liberating internally generated imagery from the child: "I take off the lid, and

other art masters clap the lid on — that is the only difference. . . . Here they draw things out of their heads, everything they feel, everything they imagine, everything they long for. They have no models, nothing but the bare walls of the schoolroom and the materials."² To awaken this spontaneous creativity, children were encouraged to play with materials of their choice, often with background music. Cizek's Secessionist contemporaries were fascinated by the results, and in 1904 his classes for six- to fourteen-year-olds were formally incorporated in the Vienna Kunstgewerbeschule (School of applied arts) (no. 49), thereby embedding progressive arts-and-crafts education for children alongside training for adult designers. Two years later Cizek introduced a related design course for older students on the "theory of ornamental form," from which subsequently emerged the abstract visual language of Viennese Kinetism.³

The significance of this intersection between innovative pedagogy and modern design was highlighted in the 1908 *Kunstschau*, a forum and exhibition for the most advanced art and design of the moment, organized by Secessionist artists and designers and timed to coincide with sixtieth anniversary of the accession of the Emperor Franz Joseph I. With his position on the organizing committee, Cizek secured prime placement for his pupils' work at the entrance to the exhibition, where it prepared visitors for the adult refinement of the childlike aesthetic by Secessionist designers in the galleries that lay beyond. An emphasis on newness and youth was signaled by the posters for the exhibition, by Berthold Löffler (no. 50) and his pupil Oskar Kokoschka, which each featured a young girl; the exhibition's major themes — the dismantling of the usual hierarchies of artistic production to include design by and for children, the extension of art into everyday life — were echoed in Klimt's opening speech. "[We are] united in the conviction that no aspect of human life is so trifling, so insignificant as not to offer scope for artistic endeavour," he proclaimed. "In the words of [William] Morris, even the most insignificant object, if perfectly made, helps us to increase the sum total of beauty on this earth."⁴

These ideas were the founding principles of the Wiener Werkstätte, an Arts and Crafts workshop enterprise established in 1903 under the direction of designers Josef Hoffmann and Kolo Moser, both founding members of the Vienna Secession and colleagues of Cizek at the Kunstgewerbeschule. Far from being considered trifling, the production of playthings, books, clothes, and furnishings for children formed a significant part of the workshop's output, and were put on the same footing as fine art. At the 1908 *Kunstschau* the Wiener Werkstätte



49 MARGARETA (GRETE) HAMERSCHLAG (Austrian, 1902–1958)
Theaterspielen (Theater play), drawing from studies in Franz Cizek's *Jugendklasse* (Class for children) at the Vienna Kunstgewerbeschule (School of applied arts). 1908–14
Graphite, watercolor, and ink on paper, 11⁵/₈ x 15³/₄" (29.5 x 40 cm)
Victoria and Albert Museum of Childhood, London

50 BERTHOLD LÖFFLER (Austrian, 1874–1960)
Kunstschau Wien 1908. 1908
Lithograph, 14³/₈ x 19¹/₂" (37.5 x 49.5 cm)
The Museum of Modern Art, New York. Gift of The Lauder Foundation, Leonard and Evelyn Lauder Fund

51 OSKAR KOKOSCHKA (Austrian, 1886–1980)
Schlafende Frau (*Sleeping Woman*) from *Die träumenden Knaben* (*The Dreaming Boys*). 1907–08 (reissued 1917)
Photolithograph from an illustrated children's book with eight photolithographs and three line block reproductions, page: 9⁷/₁₆ x 11⁹/₁₆" (24 x 29.3 cm)
Published by Kurt Wolff Verlag, Leipzig
Printed by Albert Berger, Vienna
Edition: 275
The Museum of Modern Art, New York.
The Louis E. Stern Collection

52 Raum der Kunst für das Kind (Room of art for children) at the *Kunstschau*, Vienna (1908), showing works by students of Adolf Böhm at the Kunstschule für Frauen und Mädchen (Art school for women and girls), as reproduced in *The Studio* (vol. 44). 1908
The Museum of Modern Art Library, New York

53 MAGDA MAUTNER VON MARKHOF (Austrian, 1881–1944)
Kalenderbilderbuch (Calendar picture book). 1905
Woodcut, 4 x 9¹/₄ x 1¹/₂" (10.2 x 23.5 x 1.3 cm)
The Museum of Modern Art, New York. Gift of Jo Carole and Ronald S. Lauder





54 MINKA PODHAJSKÁ
(Czechoslovak, born Moravia, 1881–1963)
Devil and Saint Nicholas, 1908
Painted wood, devil: 3¹⁵/₁₆" (10 cm) tall;
Saint Nicholas: 4¹/₂" (11.5 cm) tall
Museum of Decorative Arts, Prague

55 FANNY HARLFINGER-ZAKUCKA
(Austrian, 1873–1954)
Page from *Schablonen Drucke* (Stencil patterns),
c. 1908
Single page: 9⁵/₈ x 8³/₄" (24.4 x 22.2 cm)
Cotsen Children's Library at Princeton
University Library

56 JOSEF FRANZ MARIA HOFFMANN
(Austrian, 1870–1956)
Fabrik (Factory), stacking assembly system, c. 1920
Painted wood, various dimensions, built:
20 x 24¹³/₁₆ x 5" (50.8 x 63 x 12.7 cm)
Canadian Centre for Architecture, Montreal.
Acquired with the support of Bell Quebec



showed one of its most controversial projects, *Die träumenden Knaben* (*The Dreaming Boys*) (1907–08), a book, supposedly for children, written and designed by Kokoschka (no. 51). With flattened forms, intense colors, and primitivist ornament, the illustrations present an eroticized dream world that Kokoschka described as a "reflection of my spiritual state."⁵ The first sheet depicts a mountainous fairy-tale island inhabited by wild beasts and a blonde princess, and thereafter the imagery and text become increasingly brutal and sexualized: "Little red fish/ Red little fish/Let me stab you to death with my three-pronged knife/ Tear you apart with my fingers." "Revolt" was the response of critic Richard Muther in *Die Zeit*, who added "and yet I have to admit that I have not witnessed such an interesting debut for years. This enfant terrible is indeed a child, not an imposter at all."⁶ No dotting parent was prepared to buy any of the five hundred copies printed for the exhibition, straining the already precarious Wiener Werkstätte finances, and the ensuing scandal cost Kokoschka his job at the Kunstgewerbeschule. Fritz Wärndorfer, the Wiener Werkstätte's financial backer, observed that he could get people to spend two thousand crowns on champagne during a single night at the Cabaret Fledermaus, whereas Kokoschka's book "would not bring in 2000 crowns in 10 years."⁷

Many objects at the *Kunstschau* were designed "to give delight to a child and arouse his aesthetic sense."⁸ Adolf Böhm, a professor at the Kunstschule für Frauen und Mädchen, an art school for women and girls, organized a room on the theme of art for children (no. 52), with a frieze designed and decorated by a group of girls from his class. There were toys, picture books (no. 53), and furnishings, almost all of them created by women connected with the Kunstgewerbeschule and Wiener Werkstätte, such as Minka Podhajská (no. 54), Fanny

Harlfinger-Zakucka (no. 55), and Marianne Roller, who drew on their knowledge of regional design and craft traditions and vernacular toy making in the Austrian Crown lands. An imposing dollhouse by Magda Mautner von Markhof (Moser's sister-in-law) stood in the middle of the room, a miniature *Gesamtkunstwerk* detailed throughout in a Secessionist style. Although established male designers like Hoffmann and Carl Otto Czeschka were bringing their talents to bear on design for children — a field generally not perceived to be remunerative or high status — it was women who made the more substantive contribution to Viennese toy design. "[Women] see here a congenial outlet for their fantasy and a new and important field of art," wrote Amelia Levetus. "It is, indeed, essentially suited to women, for they better understand child nature than men; they are nearer to them in thought, and sympathise with them in a way that men rarely do."⁹

Here as on subsequent occasions modern Viennese design was criticized as modern art for the rich. Indeed, with one or two exceptions, most notably color postcards and the bentwood children's furniture mass-produced by the companies Thonet and Jacob & Josef Kohn, Secessionist designers were associated with the production of luxury objects. The only reference to industrial production was Hoffmann's 1920 set of construction blocks, called *Factory* (no. 56), although the actual pieces were handmade. Of longer-term significance than such decorative arts was the impact of Čížek's teaching (nos. 57, 58) and the spread of his approach by former pupils — including Friedl Dicker, Margarete Hamerschlag, and Emmy Zweybrück-Prochaska — in their own careers as designers and educators.¹⁰

Juliet Kinchin

57 BELLA VICHON (nationality and dates unknown)
Food Distribution in Austria, linocut made in Franz Čížek's *Jugendklasse* (Class for children) at the Vienna Kunstgewerbeschule (School of applied arts), c. 1916
Linocut, 8¹/₄ x 16⁹/₁₆" (21 x 42 cm)
Victoria and Albert Museum, London. Gift of Professor Čížek

58 Unknown pupil of Franz Čížek
Group in Movement II, 1921
Terracotta, 6⁵/₁₆ x 3¹⁵/₁₆ x 3¹⁵/₁₆" (16 x 10 x 10 cm)
Universität für angewandte Kunst Wien,
Kunstsammlung und Archiv, Vienna

NOTES, FURTHER READING, INDEX



NOTES

HIDE AND SEEK: REMAPPING MODERN DESIGN AND CHILDHOOD

- This lyrical monologue was written by Steve Reinke, a Canadian artist and writer born in 1963, as part of his fictionalized, autobiographical video omnibus *The Hundred Videos* (1996). The work is in the collection of The Museum of Modern Art, New York.
- Philippe Ariès, *L'Enfant et la vie familiale sous l'Ancien Régime* (Paris: Plon, 1960). Published in English as *Centuries of Childhood: A Social History of Family Life*, trans. Robert Baldick (New York: Vintage, 1962), p. 125. Ariès tackled the uncritical Romantic conceptualization of children and childhood as determined in nature and set the direction of the socially inflected perspectives on childhood that have followed into the present day. See Hugh Cunningham, *The Invention of Childhood* (London: BBC, 2007).
- Ellen Key, *Barnets århundrade* (Stockholm: Albert Bonniers Förlag, 1900). Published in English as *The Century of the Child*, trans. Marie Franzos (New York: G. P. Putnam, 1909). The book appeared in some thirteen other languages, including Japanese. By 1926 the German version had been printed in thirty-six editions.
- "Murdering the Soul in Schools," a chapter of *The Century of the Child*, was originally published as an article in the journal *Verdandi* in 1891 and was followed by Key's elaboration of these ideas in *Bildning: Några synpunkter* (Stockholm: Albert Bonniers Förlag, 1897).
- Originally published in Swedish as "Skönhet för Alla," a pamphlet with a cover designed by Carl Larsson. Published in English as "Beauty for All," in Lucy Creagh, Helena Käberg, and Barbara Miller Lane, eds., *Modern Swedish Design: Three Founding Texts*, trans. Anne-Charlotte Harvey (New York: The Museum of Modern Art, 2008), pp. 32–57. See also Key, "Popular Education with Special Consideration for the Development of Aesthetic Sense," 1906, and Thorbjörn Lengborn's review of her writing, "Ellen Key (1849–1926)," in *Prospects: The Quarterly Review of Comparative Education* 23, nos. 3/4 (1993): 2–4.
- Ett Hem* (Stockholm: Albert Bonniers Förlag, 1899). The book includes a series of twenty-four watercolors that explore the house room by room, accompanied by text that weaves the scenes into an ideal image of happy family life. The German selection of the watercolors, published as *Das Haus in der Sonne* (The house in the sun) in 1909, sold forty thousand copies in three months. Since 1968 many versions, with new texts for children, have been published in Sweden, Denmark, Norway, Finland, the Netherlands, Germany, the United States, England, and Canada.
- The Century of the Child* included statistical materials about child labor in various European countries. The National Child Labor Committee was established in 1904, with headquarters in New York. Lewis Hine, who was hired in 1908, had studied sociology at The University of Chicago, Columbia University, and New York

- University. Alfred H. Barr, Jr., the founding director of The Museum of Modern Art, was also on the committee.
- "If the twentieth century deserves the label of the 'century of the child,' as it was christened by Ellen Key... then it must also be seen as the century of the child-consumer." Daniel Thomas Cook, "The Other 'Child Study': Figuring Children as Consumers in Market Research, 1910s–1990s," *Sociological Quarterly* 41, no. 3 (Summer 2000): 501.
 - George Boas, *The Cult of Childhood, Studies of the Warburg Institute*, no. 29, (London, Warburg Institute, 1966).
 - Jane Clark Chermayeff, "Monday Morning Introduction," June 18, 1990, 40th International Design Conference in Aspen, June 17–22, 1990, unpublished typescript.
 - Robert Krulwich, quoted in Chermayeff, "Growing by Design: The 1990 International Design Conference in Aspen; A Notebook," *Children's Environments Quarterly* 8, nos. 3/4 (1991): 89.
 - The work of Mike Kelley is one such example. See Anne Pontégne, ed., *Mike Kelley: Educational Complex Onwards, 1995–2008* (Zurich: JRP/Ringier, 2009); and *Childish Things* (Edinburgh: Fruitmarket Gallery, 2010), a catalogue of an exhibition of art from the 1980s and '90s organized by David Hopkins. For cultural studies in this vein, see Shirley R. Steinberg and Joe L. Kincheloe, eds., *Kinderculture: The Corporate Construction of Childhood* (London: Open University Press, 1997); Willem Koops and Michael Zuckermann, eds., *Beyond the Century of the Child: Cultural History and Developmental Psychology* (Philadelphia: University of Pennsylvania Press, 2003); Neil Postman, *The Disappearance of Childhood* (1982; New York: Vintage Books, 1994); and Anne Higonnet, *Picture of Innocence: The History and Crisis of Ideal Childhood* (London: Thames & Hudson, 1998).
 - The existing literature has been dominated by three kinds of studies: monographic books that focus on one artist or designer (on Jessie M. King, Alvar Aalto, Antonio Vitali, Libuše Niklová, Bruno Munari) or on particular types of design (toys, furniture, books, kindergartens, playgrounds etc); studies of child-centered design within specific centers, countries, or periods; or studies in related disciplines such as material culture, anthropology, pedagogy, and psychology.
 - See Yvonne Brentjens, *Piet Zwart, 1885–1977. Vormingeneur* (Zwolle, the Netherlands: Waanders Drukkers, 2008).
 - Cecilia de Torres has begun to explore this rich topic in several catalogues and articles, such as "Torres-García's Toys: Deconstructing the Object," in José Liberero Stals and Carlos Pérez, *Toys of the Avant-Garde* (Málaga: Museo Picasso Málaga, 2010), pp. 264–99.
 - See Beverley Gordon, "Women's Domestic Body: The Conceptual Conflation of Women and Interiors in the Industrial Age," *Winterthur Portfolio* 31, no. 4 (1996): 281–301; Penny Sparke, *As Long as It's Pink: The Sexual Politics of Taste* (London:

- Pandora, 1995); and Pat Kirkham, ed., *The Gendered Object* (Manchester, U.K.: Manchester University Press, 1996).
- For an analysis of gendered language in design criticism, see Naomi Schor, *Reading in Detail: Aesthetics and the Feminine* (New York: Routledge, 2006). See also Juliet Kinchin, "Interiors: Nineteenth-Century Essays on the 'Masculine' and 'Feminine' Room," in Kirkham, ed., *The Gendered Object*, pp. 12–18.
 - Douglas Newton's statement about children as a "savage tribe" is often quoted but hard to pin down to an original source. See, for example, Iona and Peter Opie, *The Lore and Language of Schoolchildren* (Oxford: Clarendon Press, 1959), p. 2.
 - This is the theme of Boas's *The Cult of Childhood* (see note 9) and has been most fully explored in Jonathan Fineberg's exhibition and catalogue *The Innocent Eye: Children's Art and the Modern Artist* (Princeton: Princeton University Press, 1997) and collection of essays, *Discovering Child Art: Essays on Childhood, Primitivism and Modernism* (Princeton: Princeton University Press, 1998).
 - Bruce Brooks Pfeiffer, *Treasures of Taliesin: Seventy-six Unbuilt Designs* (Carbondale: Southern Illinois University Press, 1985), plate 18. On the Rosenwald schools, see Mary Hoffschwelle, "Children and the Rosenwald Schools of the American South," in Marta Gutman and Ning de Coninck-Smith, eds., *Designing Modern Childhoods: History, Space, and the Material Culture of Children* (New Brunswick, N.J.: Rutgers University Press, 2008), pp. 213–32.
 - See Ezra Shales, "Toying With Design," *Journal of Design History* 22, no. 1 (2009): 3–26; and Anthony Burton, "Design History and the History of Toys: Defining a Discipline for the Bethnal Green Museum of Childhood," *Journal of Design History* 20, no. 1 (1997): 1–21.
 - Alfred H. Barr, Jr., Papers in the MoMA Archives also indicate his involvement with the Children's Aid Society, the National Child Labor Committee, the Citizens' Committee for Children of New York City, the Association for the Mentally Ill Children in Manhattan, the Child Welfare League of America, and the League for Emotionally Disturbed Children.
 - See René d'Harnoncourt, *The Hole in the Wall* (New York: Alfred A. Knopf, 1931). D'Harnoncourt illustrated two children's books written by his friend Elizabeth Morrow, one of which, *The Painted Pig* (New York: Alfred A. Knopf, 1930), was inspired by his collection of Mexican toys.
 - Rudolf Steiner, "Practical Training in Thought," lecture, Karlsruhe, Germany, January 18, 1909, trans. Henry Monges and Gilbert Church, Rudolf Steiner Archive, www.rsarchive.org/Lectures/19090118p01.html.
 - Theo van Doesburg, "Le Planisme de Torres-García," 1929, quoted in Jorge Castillo et al., *The Antagonistic Link: Joaquín Torres-García—Theo van Doesburg*, trans. Donald Gardner (Amsterdam: Institute of Contemporary Art, 1991), pp. 68–69.
 - Marcel Breuer, quoted in Gyula Ernyey, ed., *Marcel Breuer: Principles and Results*,

- trans. Balázs Sinkovits (Pécs, Hungary: Pannónia, 2010), p. 106.
- "Rubik's Cube 25 Years On: Crazy Toys, Crazy Times," *The Independent*, August 16, 2007, www.independent.co.uk/news/science/rubiks-cube-25-years-on-crazy-toys-crazy-times-461768.html.
 - Walter Determann's utopian site plan of 1920 for a Bauhaus-Siedlung in Weimar (Preparatory school for children), which was never built. The Cranbrook Educational Community was brought to fruition, including the Cranbrook School for Boys (1925–28), Brookside School Cranbrook (1925–29), and Kingswood School, for girls (1925–31).
 - Anni Albers, quoted in Gillian Naylor, *The Bauhaus Reassessed: Sources and Design Theory* (New York: E. P. Dutton, 1985), p. 109.
 - Thomas Pynchon, *Gravity's Rainbow* (1973; New York: Penguin, 1995), p. 419.
 - Svetlana Boym, *The Future of Nostalgia* (New York: Basic Books, 2001), pp. 345–46.
 - Krulwich, quoted in Chermayeff, "Growing by Design," p. 89.
 - Sarah Kember, *Virtual Anxiety: Photography, New Technologies and Subjectivity* (Manchester, U.K.: Manchester University Press, 1998), pp. 63–78.
 - See Steinberg and Kincheloe, eds., *Kinderculture*.
 - Key, *The Century of the Child*, p. 74.
 - See Postman, *The Disappearance of Childhood*; and Douglas Kellner, "Beavis and Butt-Head: No Future for Postmodern Youth," in Steinberg and Kincheloe, eds., *Kinderculture*, p. 98.
 - Trung Le, "Teaching Kids Design Thinking. So They Can Solve the World's Biggest Problems," Co.Design, March 16, 2011, www.fastcodesign.com/1663416/teaching-kids-design-thinking-so-they-can-solve-the-worlds-biggest-problems. Sir Ken Robinson has a similar take on the need for teaching lateral design thinking; see "Changing Paradigms," RSA Edge Lecture, London, June 16, 2008, www.thersa.org/events/video/archive/sir-ken-robinson.
 - "What is the Play Ethic?" The Play Ethic website, www.theplayethic.com/what-is-the-play-ethic.html. Pat Kane has expanded on this theme in *The Play Ethic: A Manifesto for a Different Way of Living* (London: Macmillan, 2004).

NEW CENTURY, NEW CHILD, NEW ART

- Introduction**
- Friedrich Nietzsche, *Also Sprach Zarathustra: Ein Buch für Alle und Keinen*, 1883. Published in English as *Thus Spoke Zarathustra: A Book for All and None*, trans. Walter Kaufmann (New York: Modern Library, 1995), p. 26.
 - G. Stanley Hall frequently referred to a correspondence between childhood stages and evolutionary history as "recapitulation," a theme explored, for example, in his book *Adolescence: Its Psychology and Its Relations to Physiology, Anthropology,*

Toscani, Oliviero 239
Touzet, F. 143, 144
Towards a New Architecture 95
Toy, The 177, 178
toys 12, 15, 16, 18–20, 21, 22, 36, 37, 48, 50, 53, 56, 57, 58, 59, 60, 62, 63–64, 66, 68, 69, 70–71, 73, 75–77, 84–87, 89, 96, 98, 111–13, 121, 124, 126, 138, 146, 147, 149, 151, 156, 158, 159, 160, 162, 164, 171–73, 174, 177, 180–81, 184–89, 191, 194, 197, 199, 200, 201–02, 204, 206, 208–10, 215, 217, 221, 223, 226, 228, 234–36, 237, 240, 246, 248
Toys “R” Us 12
Transformers 204, 205
Trant, Emmett 167
Tretiakov, Sergei 80, 82
Tripp Trapp chair 233, 233, 235
Trissen stools 173, 174
Trnka, Jiří 186, 188
Trotsky, Leon 122
Tschichold, Jan 124
Tse-tung, Mao 222
Tunnel Maze 181, 181
Turkey 110
Tussenbroek, Otto van 59, 71
Tyrlová, Hermína 147, 147
Uchoa, Mariana 236
Uduku, W. C. 137
Underhill, Paco 183
Understanding Media 230
Undi, Mariska 50, 51, 53
UNICEF 151–52, 171, 190, 238, 239, 239, 240
Unité d’Habitation 166, 167
United Colors of Benetton 238, 239
United States of America 11, 15, 17, 18, 19, 20, 29, 33, 40, 43, 44, 50, 86, 87, 90, 95, 105–07, 114, 121, 125, 126, 130, 132–34, 139, 142, 146, 147, 149, 152, 156, 162, 166, 170, 171, 175, 177, 181, 183, 184, 188, 189, 190, 199, 202, 206, 211, 215, 216, 219, 220, 224, 226, 228, 230, 232, 233, 239, 244, 246
University of Chicago, The 40, 42
Uruguay 84, 240

Vandkunsten 220, 220, 221, 227
Vang Nyman, Ingrid 147, 148
Vaszary, János 52, 53
Vedel, Kristian 173, 174
Vegatabull, The 154, 154
Veistola, Jukka 238, 239
Verdonck, Twan 235–36, 236
Verzuu, Ko 73
Vichon, Bella 57
Video & Kids 231, 232
Vienna 12, 19, 24, 29, 33, 54–57, 59, 71, 74, 93, 98, 99, 105, 108–10, 111, 121, 138–39, 177
Vietnam War 217, 222, 232
Ville Radieuse 161
Visual Design in Action: Principles, Purposes 87
Vitali, Antonio 171, 171
Vodoz, Jacqueline 197
VOKS 124
Vuitton, Louis 212

Walker, Lester 200, 200
Wärndorfer, Fritz 57
Warsaw 156–60, 161, 235
War-Time Handbook for Young Americans, A 145–46, 145
Washburne, Carleton 106–07
Wassenaar 102
Watson, John B. 96
Wee Willie Winkie’s World 44, 45
Wegman, William 230
Weimar 21, 74, 76, 109, 138
Weingartner, Charles 217
Weiss, Christian Samuel 30
Wheeler, E. Todd 106, 107
Wheelwright, Peter 201, 201
White, Wayne 206
Whole Earth Catalog 216–17, 219, 232
Wichert, Fritz 99
Wiedikon Kindergarten 99, 100
Wigand, Ede Toroczka 50, 51, 53

Will, Phil 106, 107
Williams, Owen 118
Williamson, George Scott 118
Wilson, Frances 181
Wilson, Margaret A. R. 38
Wincze, Władysław 156, 159, 160
Wishbone House 243, 244
Wolff, Werner 63
Wood, Walter 43
Works Progress Administration (WPA) 107, 121, 132–34
World Council of Early Childhood Education (Organisation Mondiale pour l’Éducation Préscolaire) 151, 171
World Summit for Children 215
Wright, Frank Lloyd 18, 21, 39, 40, 41
Writing and Writing Patterns 135, 135

XO Laptop 240, 240
Yellow Kid, The 44
Yokoi, Akhiro 209, 210

Zalewski, Joseph 180
Zanuso, Marco 195
Zasso Forest School 22, 22
Zhemchuzhny, Vitaly 122
Zhitkov, Boris 80, 80
Zocker chair 192, 194
Zoob play system 20, 21
Zuckerman, Herta 71
Zwart, Piet 16, 71, 72, 101, 102
Zweig, Stefan 99
Zweybrück-Prochaska, Emmy 19, 57

PHOTOGRAPH CREDITS

Images from Juliet Kinchin’s introductory essay and from the book’s front and back matter are listed by page number; images from chapters one through seven are listed by chapter and image number.

Alvar Aalto Museum. Photo Aino Aalto: page 14 (bottom).
ACE Archives, ACE Group: 6.13.
Photo Victor Amato: 7.53.
© Ant Farm (Lord, Jost, Michels) 1973, 2012: 7.08.
Photography © The Art Institute of Chicago: 5.55, 5.60.
Arti Applicate italiane del XX secolo: 1.38, 1.40.
© 2012 Artists Rights Society (ARS), New York/ADAGP, Paris: 5.34.
© 2012 Artists Rights Society (ARS), New York/ADAGP, Paris/F.L.C.: 5.33.
© 2012 Artists Rights Society (ARS), New York/PICTORIGHT, Amsterdam: 2.20, 2.23, 3.15, 3.25.
© 2012 Artists Rights Society (ARS), New York/Pro Litteris, Zurich: 1.51.
© 2012 Artists Rights Society (ARS), New York/PICTORIGHT, Amsterdam: 2.19.
© 2012 Artists Rights Society (ARS), New York/SIAE, Rome: 2.12, 2.13, 2.14, 2.15, 2.16.
© 2012 Artists Rights Society (ARS), New York/SOMAAP, Mexico City: 3.26.
© 2012 Artists Rights Society (ARS), New York/VEGAP, Spain: 2.43, 2.44, 2.45.
© 2012 Artists Rights Society (ARS), New York/VG Bild-Kunst, Bonn: 1.31, 1.32, 1.33, 2.03, 2.04, 2.07, 2.21, 2.30, 2.31, 2.33, 2.34, 2.35, 4.07, 4.34.
Photo courtesy Les Arts Décoratifs, Paris/Jean Tholance: 6.15, 6.16, 6.17.
Avery Architectural and Fine Arts Library, Columbia University: 3.10, 4.40.
© Instituto Lina Bo e P.M. Bardí, São Paulo: 7.55.
Saul Bass papers, Margaret Herrick Library, Academy of Motion Picture Arts and Sciences: 7.51.
Fondazione Biagiotti Cigna, Guidonia: 2.16.
Kay Bojesen Denmark: 5.47.
© bpk, Berlin/Art Resource, NY: 5.21.
© Brooklyn Museum, 2001.50: 5.58; 1993.6: 5.59.
Courtesy Norman Brosterman: 4.18, 4.19.
© 2012 The Estate of Harry Callahan: page 27 (top).
Reproduced by kind permission of the Syndics of Cambridge University Library: 4.29, 4.30.
Photo Silvio Castellani: 2.14.
Collection Centre Canadien d’Architecture/Canadian Centre for Architecture, Montréal. Acquired with the support of Bell Québec: 1.56; Phyllis Lambert Collection: 2.05.
Courtesy Daniela Chappard Foundation: 2.43, 2.44.
Chicago History Museum. Photo Hedrich Blessing: 3.35, 3.36.
Chicago Park District Special Collections: 1.30.
© Seymour Chwast: page 15.
© CNAC/MNAM/Dist. Réunion des Musées Nationaux/Art Resource, NY. Photo Georges Meguerditchian: 3.28.
Cooper-Hewitt, National Design Museum, Smithsonian Institution © The Ladislav Sutnar Family: 6.30; Gift of The Museum at The Fashion Institute of Technology, New York: page 17 (left).
Cotsen Children’s Library, Princeton University Library: page 1, 1.55, 2.21, 2.22, 4.05, 4.50.
Culture and Sport Glasgow on behalf of Glasgow City Council, gift of Mrs. George Innes, 1978: 1.22; purchased with the support of the Heritage Lottery Fund, 2004: 1.20.

Daddytypes, Washington, DC: 2.24.
Danish National Art Library, Copenhagen: 5.38.
Courtesy Richard Dattner: 7.54; photo Richard Dattner: 7.21.
Dell & Wainwright/RIBA Library Photographs Collection: 3.54.
Design Council/University of Brighton Design Archives www.brighton.ac.uk/designarchives. Photo Timothy Quallington: 6.04.
Design Council Slide Collection at Manchester Metropolitan University: 7.34.
Design Museum Finland, Helsinki. Photo Rauno Träskelin: 7.24, 7.25.
© Disney: 4.45, 6.12, 6.14.
Dixon Ticonderoga Company: page 19.
© Dumfries and Galloway Council: 1.20.
© Dumfries and Galloway Council/Victoria and Albert Museum, London: 1.19.
Photo Charles Eames © 2012 The Eames Foundation: 5.57.
Aldo van Eyck Archive, Loenen aan de Vecht, the Netherlands: 5.24, 6.06.
© Foto Marburg/Art Resource, NY: 2.06.
The Estate of Abram Games: 3.55.
Courtesy Gemeente Amsterdam Stadsarchief, Dienst Ruimtelijke Ordening (DRO): 5.25.
© Gemeente Musea: page 14 (bottom).
© J. Paul Getty Trust. Used with permission. Julius Shulman Photography Archive, Research Library at the Getty Research Institute (2004.R.10): 3.33.
© Glasgow Corporation/Glasgow Mitchell Library: 1.13, 1.17.
The Glasgow School of Art Archives and Collections: 1.21.
Courtesy Gödöllő Town Museum: 1.42, 1.45, 1.47; Photo Rudolf Balogh: 1.46; Photo Elek Koronghi Lippich: 1.41.
gta Archives, ETH Zürich, bequest of Hans Hofmann: 3.47, 3.48; bequest of Hannes Meyer: 3.49, 5.35.
© 2012 Andreas Gursky/Artists Rights Society (ARS), New York/VG Bild-Kunst, Bonn: page 13 (bottom).
© The Estate of Margareta Hamerschlag/Victoria and Albert Museum, London: 1.49.
Courtesy Helen + Hard. Photo Emile Ashley: 7.59.
Photo courtesy © Herman World, Inc., All Rights Reserved: 6.41, 6.42.
Photo Lucien Hervé: 5.33.
Courtesy HiWEL, New Delhi: 7.49, 7.50.
© 2012 Craig Hodgetts: 7.22.
Courtesy Hubley Studio, Inc.: page 16.
© The Hunterian, University of Glasgow 2012: 1.15, 1.16.
Photo Ingemann: 5.48.
IKEA, Ålmhult: 6.37.
Courtesy Jens S. Jensen: Back endpaper, page 25 (bottom), page 27 (bottom).
Jewish Museum in Prague Photo Archive: 4.35.
Photo Petr Karsulin for Dole Vita Magazine, Prague: 6.02.
Mark Kauffman/Time & Life Pictures/Getty Images: 4.52.
Courtesy Imre Kepes and Juliet Kepes Stone, Pelham and Cambridge, Massachusetts. Photo EPW Studio/Maris Hutchinson, 2011: 5.54.
Klassik Stiftung Weimar. Photo Alexander Burzik: 2.33.
Photo Peter Kleeman, Space Age Museum: 6.03, 6.08, 6.09, 6.47.
© Barbara Klemm: 7.15.
Photo © Ton Koene for MSF: 7.47.
© Katsumi Komagata. ONE STROKE co. Itd: 7.38.
Krátký Film Praha, Prague/DILIA: 4.49, 6.06, 6.07.
Courtesy Lambeth Archives department: 5.23.
© Lisa Law: 7.03, 7.06, 7.07; photo John Phillip Law: 7.05.
© 2012 Bart van der Leek/Artists Rights Society (ARS), New York/PICTORIGHT, The Netherlands: 2.22.
Courtesy Jason Liebig, New York: 6.40.

Magis, Torre di Mosto, Italy. Photo Tom Vack: 6.36.
© Enzo Mari, 1961. Courtesy Corraini Edizioni: 6.25.
© Marusan Japan 2012: 5.15.
Courtesy Maurizio Marzadori. Photo Carlos da Silva: 1.10, 1.39, 2.17, 3.17, 6.22, 6.28.
MASP, Museu de Arte de Sao Paulo Assis Chateaubriand: 7.55.
© Mattel Inc.: 6.32.
© Rosalie Thorne McKenna Foundation, Courtesy Center for Creative Photography: 5.36.
© Susanne Mertz, Courtesy Louisiana Museum of Modern Art: 7.16.
Collection of Zesty Meyers and Evan Snyderman/R 20th Century, New York: 7.37.
© Korta Michal/National Museum, Warsaw: 3.18, 5.18, 7.36.
Minneapolis Institute of Arts, Gift of funds from Don and Diana Lee Lucker: 3.07.
Mondo Cane Gallery, New York: 6.35.
© 2012 Mariko Mori/Artists Rights Society (ARS), New York: 6.52.
Ralph Morse/Time & Life Pictures/Getty Images: 5.52, 5.53.
© 2000 Takashi Murakami/Kaikai Kiki Co., Ltd All rights reserved: 6.51.
© Osamu Murai: page 22 (bottom).
Musée National d’Art Moderne, Centre Georges Pompidou, Paris, France: 3.28.
Archivio Fotografico Museo di Arte Moderna e Contemporanea di Trento e Rovereto: 2.12.
Photo © The Museum at FIT: 6.53.
Museum Boijmans van Beuningen, Rotterdam. Photo Tom Haartsen: 2.26.
Courtesy Museum für Gestaltung, Zürich, Kunstgewerbesammlung, photo Franz Xaver Jaggy: 3.20, 4.34, 5.01, 7.44; photo Marlen Perez © ZHdK: 2.07, 2.11.
The Museum of Decorative Arts in Prague: 1.54, 2.46, 2.47, 2.48, 3.03, 3.05, 5.44, 5.45, 6.29.
© Museum of Finnish Architecture: 5.04.
The Museum of Modern Art, New York, Architecture and Design Study Center: 3.30.
The Museum of Modern Art, New York, Department of Imaging Services: front endpaper, page 2, page 13 (top left), page 14 (top), page 20, page 21 (bottom), page 24, 1.03, 1.04, 1.08, 1.23, 1.33, 1.50, 2.04, 2.20, 2.27, 2.35, 2.5, 2.39, 3.06, 3.11, 3.14, 3.23, 3.26, 4.02, 4.07, 4.38, 4.39, 5.02, 5.05, 5.20, 5.42, 5.48, 5.56, 6.05, 6.24, 6.50, 7.02, 7.08, 7.35, 7.40, 7.42, 7.47; photo Peter Butler: 1.53, 2.02, 2.35, 2.36, 2.37, 2.38, 2.40, 2.41, 2.42; photo Robert Gerhardt: 1.31, 1.32, 1.51, 2.29, 2.30; photo Thomas Griesel: page 13 (top right), page 17 (right), 1.02, 1.06, 1.07, 2.25, 2.32, 2.34, 2.49, 4.06, 4.09, 5.03, 5.19, 5.26, 5.40, 5.43, 6.11, 6.27, 6.32, 6.33, 6.34, 6.38, 6.39, 6.43, 6.46, 6.48, 6.51, 6.52, 7.01, 7.09, 7.27, page 248; photo Kate Keller: 1.01; photo Jonathan Muzikar: 4.28, 7.04, 0.20, 2.31; photo John Wronn: page 16, page 18, page 27 (top), 1.14, 1.18, 1.27, 1.43, 1.44, 2.28, 3.02, 4.22, 5.06, 5.10, 5.27, 5.28, 5.32, 6.23, 6.36, 6.49, 7.22, 7.26, 7.28, 7.30, 7.48, back endpaper.
The Museum of Modern Art Archives, New York, Department of Circulating Exhibitions Records, Photo Soichi Sunami: 4.53, 5.61, 5.62.
The Museum of Modern Art Film Stills Archive, New York: 1.34.
The Museum of Modern Art Library, New York: 3.29, 3.37.
The Museum of Modern Art Photographic Archives, New York. Photo William Leftwich: 4.36.
Nachlassarchiv SIK-ISEA Zürich. Photo Theo Schaublin: 5.07.
© NAMCO BANDAI Games Inc. 6.45.
Nationaal Archief/Spaarnestad Photo/NFP. Photo Stevens & Magielsens: 5.08.

Nationalmuseum, Sweden. Photo Erik Cornelius: page 10.
Die Neue Sammlung–The International Design Museum Munich. Photo A. Broehan, Munich: 2.19; Photo A. Lorenzo: 2.03; Photo Antonio Vitali. The Museum of Modern Art, New York. Department of Imaging Services. Photo John Wronn: 5.41.
Image courtesy Dion Neutra, architect, for the Neutra Archive: 3.34.
© New Lanark Trust. Licensor: www.scran.ac.uk: 1.05.
© The New York Times/Redux, Photo Michael Evans: Cover, 6.10.
Image courtesy Nintendo: 6.44.
© 2012 The Isamu Noguchi Foundation and Garden Museum, New York/Artists Rights Society (ARS), New York: 3.08.
© Ingrid Vang Nyman/Saltkråkan AB: 4.50.
Photo Aidan O’Connor: 3.31.
Photo Denise Ortiz, founder SharingToLearn.org © Sharing To Learn: 7.43.
Courtesy Alasdair Peebles: 3.04.
Courtesy John and Sue Picton. Photo Ian Cameron: 4.31.
© Ligier Piotr/National Museum, Warsaw: 5.17.
With kind permission from PLAYMOBIL. PLAYMOBIL is a registered trademark of geobra Brandstätter GmbH & Co.KG, Germany: 6.34.
Price Tower Arts Center, Bartlesville, Oklahoma, PTAC 2009.01.2. Photo Cody Johnson: 1.25.
© Primordial LLC, Michael Joaquin Grey: page 21 (top).
Courtesy Alessandro Prini: 2.01.
Public Collectors, Gift of the Library of Radiant Optimism for Let’s Re-Make the World: 7.20.
Archivio Randone, Roma: 1.35, 1.37.
Image redrawn by Jesse Reed: 1.29.
Photo from the book *Advisories* © Preschools and Infant Toddler Centres–Istituzione of the Municipality of Reggio Emilia and Reggio Children, Italy www.scuolendi.re.it and www.reggiochildren.it: 7.18.
Still from the video *Everyday Utopias* © Preschools and Infant Toddler Centres–Istituzione of the Municipality of Reggio Emilia and Reggio Children, Italy www.scuolendi.re.it and www.reggiochildren.it: 7.19.
RIBA Library Drawings & Archives Collection: page 22 (top), 3.01, 5.31.
RIBA Library Photographs Collection: 3.43, 3.46.
Art © John Rombola/Licensed by VAGA, New York, NY: page 17 (left).
Michael Rougier/Time & Life Pictures/Getty Images: 5.49.
Courtesy Andrea Schito. Photo Carlo Cichero, Ovada, Italy: 4.15.
SDO–Sitra Archive. Photo Kristian Runeberg: 7.23.
Courtesy Sesame Workshop: 7.29.
© David Seymour/Magnum Photos: 5.16.
© Estate of Ben Shahn/Licensed by VAGA, New York, NY: 5.02, 5.20.
© 2012 David Shrigley: page 24.
© 2012 Estate of Alma Siedhoff-Buscher: 2.33.
Stadt Soest, Stadtarchiv, Nachlass Hugo Kükelhaus: 7.56.
Courtesy Estate of Ralph Steiner: 3.32.
© Rudolf Steiner Archiv, Dornach: 1.11, 1.12.
Courtesy Bruce Sterling. Photo EPW Studio/Maris Hutchinson, 2011: 5.15.
Stokke. Photo of Lars Hjelle and Kjell Heggdal by Dag Lausund: 7.33.
© Ezra Stoller/Esto: 5.51.
© From the book *Libuše Niklová* by Tereza Bruthansová, published by Arbor vitae societias, 2010. Photo Studio Toast: 6.19, 6.20.
Strüwing Reklamefoto. Photo Jørgen Strüwing: 5.37.
Courtesy Hugo Stüdeli, Otto Morach Estate, Solothurn: 2.11.

© The Ladislav Sutnar Family: 2.49, 2.46, 2.48, 2.50, 3.05, 6.29.
Svensk Form, Stockholm. Photo Carl-Johan Rönn: 6.18.
Tampere Art Museum, Moominvalley. © Moomin Characters TM: 4.51.
Photo courtesy Tange Associates, photo © Chuji Hirayama: 5.12.
© Tezuka Productions: 6.50.
© 2012 Times Wide World Photos: 3.02.
TINKERTOY ® & © 2012 Hasbro Inc.: 5.26.
© UDI Archive (Italian Women’s Union), Reggio Emilia, Italy, http://unionedonne.altervista.org. From the book *One City, Many Children* [page 66], curated by Rolando Baldini, Ilaria Cavallini, Vania Vecchi, Reggio Children Publisher, 2012, Reggio Emilia–Italy www.reggiochildren.it: 7.17.
Courtesy UNICEF Sweden, Stockholm. Photo of Marion by Henrik Halvarson, after an idea by Johan Jäger at Jung von Matt, Stockholm: 7.43.
United Colors of Benetton, New York. Photo Jean-Pierre Lafont: 7.45.
United States Holocaust Memorial Museum: page 23.
Universität für angewandte Kunst Wien, Kunstsammlung und Archiv: page 19, 1.58, 3.12, 3.38, 3.39, 3.40, 3.41, 3.42, 4.32, 4.33.
Special Collections Research Center, University of Chicago Library: 1.28.
Courtesy U.S. Fund for UNICEF: 7.46.
Vandkunsten Architects, Copenhagen: 7.12; photo Jens Thomas Arnfred: 7.10, 7.11; Photo Finn Christoffersen, foto C: 7.13.
Photo Alessandro Vasari: 1.36, 2.15.
© 2012 Twan Verdonck: 7.39.
© Victoria and Albert Museum, London: 1.57, 3.19, 3.44, 3.45.
Vitra Design Museum, Weil am Rhein, Germany: 3.53, 6.01.
Courtesy Walt Disney Imagineering: 6.12, 6.14.
© Todd Webb, Courtesy Evans Gallery and Estate of Todd & Lucille Webb, Portland, Maine: 5.63.
© 2012 William Wegman: 7.28.
Courtesy Margot Weller, New York. The Museum of Modern Art, New York. Department of Imaging Services: 5.46.
The Mitchell Wolfson, Jr. Private Collection, Miami, Florida. Photo Silvia Ros: 3.13.
The Wolfsonian–Florida International University, Miami Beach, Florida, Gift of Pamela K. Harer. Photo David Almeida: 4.41, 4.43, 4.44, 4.45, 4.46, 4.47; Gift of Steven Heller. Photo David Almeida: 4.14.
The Wolfsonian–Florida International University, Miami Beach, Florida, The Mitchell Wolfson, Jr. Collection. Photo David Almeida: 3.51, 4.03, 4.04, 4.10, 4.13, 4.16, 4.17, 4.20, 4.21, 4.23, 4.25, 4.26, 4.42, 4.48, 4.24; Photo Silvia Ros: 3.52, 4.08, 4.12; Long-term loan, The Mitchell Wolfson, Jr. Private Collection, Miami. Photo Silvia Ros: 3.50.
Wolfsoniana–Fondazione regionale per la Cultura e lo Spettacolo, Genoa: 2.18.
Photo The Frank Lloyd Wright Fdn, AZ/Art Resource, NY: 1.26.
© 2012 Frank Lloyd Wright Foundation/Artists Rights Society (ARS), New York: 1.23, 1.26.
Courtesy Yuval Yasky, photo Hanan Bahir: 5.09; photo Galia Bar Or: 7.57.
© 2012 Tadanori Yokoo: page 2.
© Zürich University of the Arts, Archives: 2.09, 2.01.

ORDERING INFORMATION

TRADE ORDERS

Bookstores, book distributors, and libraries

Century of the Child is distributed in the United States and Canada by ARTBOOK|D.A.P. and outside the United States and Canada by Thames & Hudson, Ltd.

Please direct all orders, invoice questions, and title, price, and availability inquiries to:

ARTBOOK|D.A.P.
155 Sixth Avenue, 2nd Floor
New York, NY 10013-1507
Tel.: 800 338 2665
Fax: 800 478 3128
Artbook.com

Thames & Hudson Distributors, Ltd.
Littlehampton Book Services
Faraday Close, Durnington, Worthing
West Sussex, BN13 2RB
Tel.: +44 (0) 1903 828501

Please verify availability with the distributor for your geographic area. Contact distributors regarding their discounts and returns policies.

INDIVIDUAL ORDERS

Century of the Child can be purchased or ordered by individual customers in several ways.

MoMA Online

The MoMA Online Store offers most MoMA titles for sale in its expanded bookstore, including digital editions.
MoMAStore.org

MoMA Mail Order

Tel. (toll-free): 800 447 6662
Fax: 212 333 1127
Order anytime.

MoMA Stores

MoMA Stores stock a selection of MoMA titles that may vary by location.

The MoMA Design and Book Store
11 West 53 Street, New York, NY 10019
Tel.: 212 708 9400

The MoMA Design Store, SoHo
81 Spring Street, New York, NY 10012
Tel.: 646 613 1367

MoMA Books
The Museum of Modern Art, 2nd Floor

Independent, chain, and online bookstores offer MoMA titles worldwide. Contact your favorite bookstore to inquire about new and recent MoMA titles. If the title you are seeking is unavailable, please inform your bookstore that MoMA titles can be ordered from our trade distributors.